

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

September 22, 2023

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

**RE: Notice of Exempt Modification // Site: WESPORT CT (ATC: 310968)
180A Bayberry Lane, Westport CT 06415
N 41.17164377 // W -73.32861427**

Dear Ms. Bachman,

Cellco Partnership d/b/a Verizon Wireless currently maintains fifteen (15) antenna at the 110-ft level on the existing 140ft Tower, located at 180A Bayberry Lane, Westport, CT. The tower is owned by American Tower. Verizon Wireless proposed modification involves the installation of six (6) interference mitigation filters on Verizon Wireless existing antenna platform and mounting assembly.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies §16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to Bethany'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 14, 2023, by A.T Engineering Services, LLC, a structural analysis dated September 5, 2023, by American Tower Corp., and a structural mount analysis by Colliers Engineering and Design dated August 14, 2023, and Non-Ionizing Electromagnetic Radiation (NIER) Study dated September 10, 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

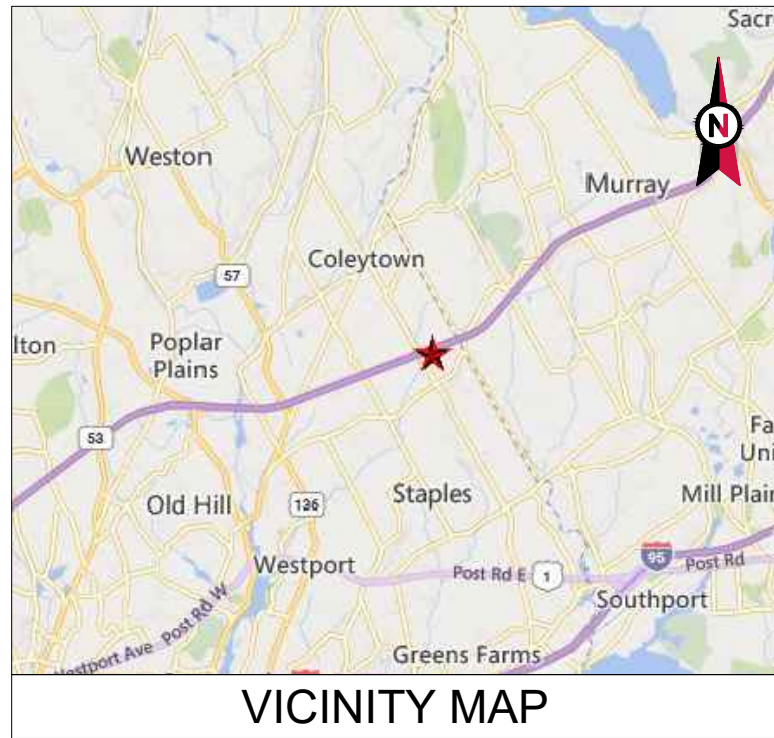
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Attachments: Exhibit 1 – Construction Drawings
Exhibit 2 – Property Card and GIS
Exhibit 3 – Structural Analysis
Exhibit 4 – Mount Analysis
Exhibit 5 – RF Emissions Analysis Report Evaluation
Exhibit 6 – Available Original Tower Approval Records
Exhibit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

cc: Jennifer Tooker – First Selectwoman – Chief Elected Official
Debrah Dobin, Chairwoman - as P&Z official
American Tower Corporation - as tower owner and ground owner

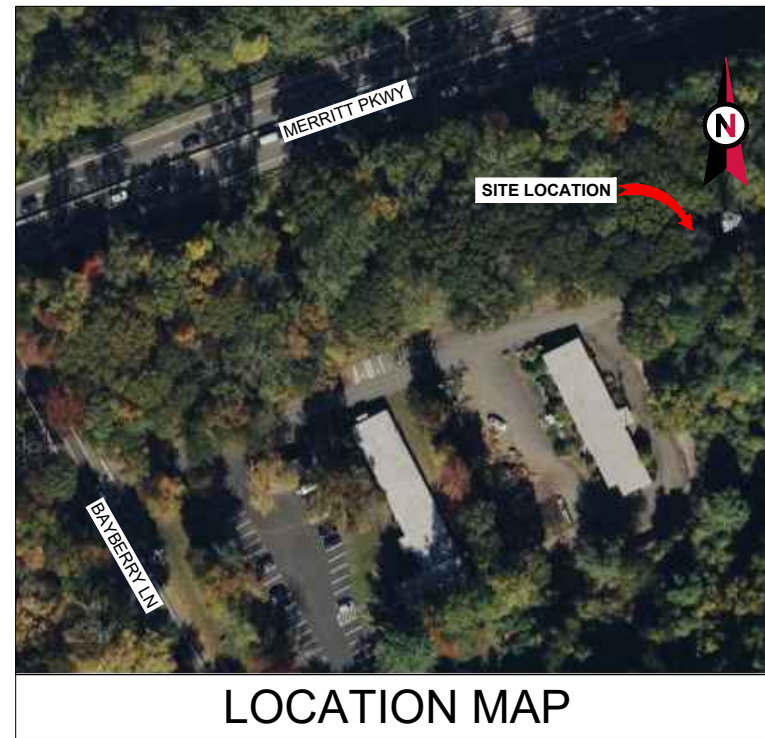
EXHIBIT 1





AMERICAN TOWER®

ATC SITE NAME: WSPT-WESTPORT REBUILD CT
 ATC SITE NUMBER: 310968
 VERIZON SITE NAME: WESTPORT 2 CT
 VERIZON SITE NUMBER: 5000385765
 VERIZON FUZE PID: 17123707
 SITE ADDRESS: 180A BAYBERRY LANE
 WESTPORT, CT 06880



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

VERIZON AMENDMENT DRAWINGS

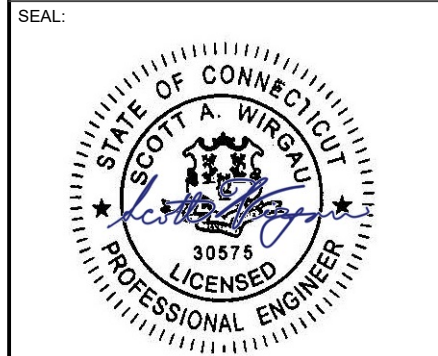
COMPLIANCE CODE	PROJECT SUMMARY	PROJECT DESCRIPTION	SHEET INDEX																																												
<p>ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNMENT AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.</p> <p>1. 2020 NFPA 70, NATIONAL ELECTRIC CODE (NEC) 2. 2022 CONNECTICUT STATE BUILDING CODE 3. 2021 INTERNATIONAL BUILDING CODE (IBC)</p> <p><u>DESIGN CRITERIA FROM TOWER STRUCTURAL ANALYSIS:</u> BASIC WIND SPEED: 118 MPH BASIC WIND SPEED W/ ICE: 50 MPH CODE(S): ANSITIA-222-H / 2021 IBC / 2022 CONNECTICUT STATE BUILDING CODE</p> <p>EXPOSURE CATEGORY: B RISK CATEGORY: II TOPO FACTOR PROCEDURE: METHOD 1 TOPOGRAPHIC CATEGORY: 1 SPECTRAL RESPONSE: $S_s=0.23 S_s=0.06$ SITE CLASS: D-STIFF SOIL- DEFAULT</p> <p>INFORMATION TAKEN FROM STRUCTURAL ANALYSIS COMPLETED BY ATC, DATED 09/05/2023.</p>	<p><u>SITE ADDRESS:</u> 180A BAYBERRY LANE WESTPORT, CT 06880 COUNTY: FAIRFIELD</p> <p><u>GEOGRAPHIC COORDINATES:</u> LATITUDE: 41.17164377 LONGITUDE: -73.32861427 GROUND ELEVATION: 250' AMSL</p>	<p>THE PROPOSED PROJECT INCLUDES MODIFYING GROUND BASED AND TOWER MOUNTED EQUIPMENT AS INDICATED PER BELOW: INSTALL MOUNT MODIFICATIONS, (3) SWIVEL MOUNTS, (6) FILTER(S) EXISTING (15) ANTENNA(S), (6) RRR(S), (3) DIPLEXER(S), (1) OVP(S), AND (12) 1-5/8" COAX, (1) 1-1/4" HYBRIFLEX, (1) 1-5/8" HYBRIFLEX CABLE(S) TO REMAIN</p>	SHEET NO:	DESCRIPTION:	REV:	DATE:	BY:																																								
	<p><u>PROJECT TEAM</u></p> <p><u>TOWER OWNER:</u> AMERICAN TOWER 10 PRESIDENTIAL WAY WOBURN, MA 01801</p> <p><u>ENGINEER:</u> ATC TOWER SERVICES, LLC 3500 REGENCY PKWY STE 100 CARY, NC 27518</p> <p><u>PROPERTY OWNER:</u> TOWN OF WESTPORT CT 180A BAYBERRY LANE WESTPORT, CT 06880</p>	<p><u>PROJECT NOTES</u></p> <ol style="list-style-type: none"> THE FACILITY IS UNMANNED. A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE. NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED. HANDICAP ACCESS IS NOT REQUIRED. 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). 	<table border="1"> <tr><td>G-001</td><td>TITLE SHEET</td><td>0</td><td>09/14/23</td><td>JM</td></tr> <tr><td>G-002</td><td>GENERAL NOTES</td><td>0</td><td>09/14/23</td><td>JM</td></tr> <tr><td>C-101</td><td>DETAILED SITE PLAN</td><td>0</td><td>09/14/23</td><td>JM</td></tr> <tr><td>C-201</td><td>TOWER ELEVATION</td><td>0</td><td>09/14/23</td><td>JM</td></tr> <tr><td>C-401</td><td>ANTENNA INFORMATION & SCHEDULE</td><td>0</td><td>09/14/23</td><td>JM</td></tr> <tr><td>C-402</td><td>ANTENNA INFORMATION & SCHEDULE</td><td>0</td><td>09/14/23</td><td>JM</td></tr> <tr><td>C-501</td><td>CONSTRUCTION DETAILS</td><td>0</td><td>09/14/23</td><td>JM</td></tr> <tr><td>E-501</td><td>GROUNDING DETAILS</td><td>0</td><td>09/14/23</td><td>JM</td></tr> <tr><td>R-601</td><td>SUPPLEMENTAL</td><td></td><td></td><td></td></tr> </table>	G-001	TITLE SHEET	0	09/14/23	JM	G-002	GENERAL NOTES	0	09/14/23	JM	C-101	DETAILED SITE PLAN	0	09/14/23	JM	C-201	TOWER ELEVATION	0	09/14/23	JM	C-401	ANTENNA INFORMATION & SCHEDULE	0	09/14/23	JM	C-402	ANTENNA INFORMATION & SCHEDULE	0	09/14/23	JM	C-501	CONSTRUCTION DETAILS	0	09/14/23	JM	E-501	GROUNDING DETAILS	0	09/14/23	JM	R-601	SUPPLEMENTAL		
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<p><u>UTILITY COMPANIES</u></p> <p>POWER COMPANY: NORTHEAST UTILITIES PHONE: (800) 286-5000</p> <p>TELEPHONE COMPANY: FRONTIER COMMUNICATIONS PHONE: (800) 921-8102</p>	<p><u>PROJECT LOCATION DIRECTIONS</u></p> <p>FROM HARTFORD TAKE I-91 SOUTH TO MERRITT PKWY SOUTH. TAKE EXIT 42 AND TURN RIGHT OFF EXIT. AT FORK STAY LEFT AND TURN LEFT AT STOP SIGN ONTO EASTON ROAD. FOLLOW EASTON TO BAYBERRY LANE AND TURN RIGHT. GO UNDER MERRITT OVERPASS AND TURN LEFT INTO TOWN COMPLEX. TOWER IS UP HILL JUST PASS ACCESS GATE.</p>	<p>CONTRACTOR PMI REQUIREMENTS</p> <p>PMI ACCESSED AT: HTTPS://PMI.VZWSMART.COM</p> <p>SMART TOOL VENDOR PROJECT NUMBER: 10208086</p> <p>VZW LOCATION CODE (PSLC): 5000385765</p> <p>***PMI AND REQUIREMENTS ALSO EMBEDDED IN MOUNT ANALYSIS REPORT</p> <p>MOUNT MODIFICATION REQUIRED: YES</p> <p>VZW APPROVED SMART KIT VENDORS: REFER TO MOUNT MODIFICATION DRAWINGS PAGES FOR VZW SMART KIT APPROVED VENDORS</p>																																													

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

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

REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	JM	09/14/23

ATC SITE NUMBER:
 310968
 ATC SITE NAME:
 WSPT-WESTPORT REBUILD CT
 VERIZON SITE NAME:
 WESTPORT 2 CT
 SITE ADDRESS:
 180A BAYBERRY LANE
 WESTPORT, CT 06880



ATC JOB NO: 14519511_G0
 CUSTOMER ID: WESTPORT 2 CT
 CUSTOMER #: 5000385765

TITLE SHEET

SHEET NUMBER: **G-001**
 REVISION: **0**

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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 LIGHTING
 - F. GENERATORS & LIQUID PROPANE TANK
 - G. ANTENNA STANDARD BRACKETS, FRAMES AND PIPES FOR MOUNTING
 - H. ANTENNAS (INSTALLED BY OTHERS)
 - I. TRANSMISSION LINE
 - J. TRANSMISSION LINE JUMPERS
 - K. TRANSMISSION LINE CONNECTORS WITH WEATHERPROOFING KITS
 - L. TRANSMISSION LINE GROUND KITS
 - M. HANGERS
 - N. HOISTING GRIPS
 - O. BTS EQUIPMENT
2. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL OTHER MATERIALS FOR THE COMPLETE INSTALLATION OF THE SITE INCLUDING, BUT NOT LIMITED TO, SUCH MATERIALS AS FENCING, STRUCTURAL STEEL SUPPORTING SUB-FRAME FOR PLATFORM, ROOFING LABOR AND MATERIALS, GROUNDING RINGS, GROUNDING WIRES, COPPER-CLAD OR XIT CHEMICAL GROUND ROD(S), BUSS BARS, TRANSFORMERS AND DISCONNECT SWITCHES WHERE APPLICABLE, TEMPORARY ELECTRICAL POWER, CONDUIT, LANDSCAPING COMPOUND STONE, CRANES, CORE DRILLING, SLEEPERS AND RUBBER MATTING, REBAR, CONCRETE CAISSONS, PADS AND/OR AUGER MOUNTS, MISCELLANEOUS FASTENERS, CABLE TRAYS, NON-STANDARD ANTENNA FRAMES AND ALL OTHER MATERIAL AND LABOR REQUIRED TO COMPLETE THE JOB ACCORDING TO THE DRAWINGS AND SPECIFICATIONS. IT IS THE POSITION OF VERIZON TO APPLY FOR PERMITTING AND CONTRACTOR RESPONSIBLE FOR PICKUP AND PAYMENT OF REQUIRED PERMITS.
3. ALL WORK SHALL CONFORM TO ALL CURRENT APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING ANSII/EIA/TIA-222, AND COMPLY WITH ATC CONSTRUCTION SPECIFICATIONS.
4. CONTRACTOR SHALL CONTACT LOCAL 811 FOR IDENTIFICATION OF UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIRED INSPECTIONS.
6. ALL DIMENSIONS TO, OF, AND ON EXISTING BUILDINGS, DRAINAGE STRUCTURES, AND SITE IMPROVEMENTS SHALL BE VERIFIED IN FIELD BY CONTRACTOR WITH ALL DISCREPANCIES REPORTED TO THE ENGINEER.
7. DO NOT CHANGE SIZE OR SPACING OF STRUCTURAL ELEMENTS.
8. DETAILS SHOWN ARE TYPICAL; SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.
9. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
10. CONTRACTOR SHALL BRACE STRUCTURES UNTIL ALL STRUCTURAL ELEMENTS NEEDED FOR STABILITY ARE INSTALLED. THESE ELEMENTS ARE AS FOLLOWS: LATERAL BRACING, ANCHOR BOLTS, ETC.
11. CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES, GROUNDS DRAINS, DRAIN PIPES, VENTS, ETC. BEFORE COMMENCING WORK.
12. INCORRECTLY FABRICATED, DAMAGED, OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE VERIZON REP PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH REMEDIAL ACTION SHALL REQUIRE WRITTEN APPROVAL BY THE VERIZON REP PRIOR TO PROCEEDING.
13. EACH CONTRACTOR SHALL COOPERATE WITH THE VERIZON REP, AND COORDINATE HIS WORK WITH THE WORK OF OTHERS.
14. CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION OF THIS PROJECT TO MATCH EXISTING PRE-CONSTRUCTION CONDITIONS TO THE SATISFACTION OF THE VERIZON CONSTRUCTION MANAGER.
15. ALL CABLE/CONDUIT ENTRY/EXIT PORTS SHALL BE WEATHERPROOFED DURING INSTALLATION USING A SILICONE SEALANT.
16. WHERE EXISTING CONDITIONS DO NOT MATCH THOSE SHOWN IN THIS PLAN SET, CONTRACTOR SHALL NOTIFY THE VERIZON REP AND ENGINEER OF RECORD IMMEDIATELY.
17. CONTRACTOR SHALL ENSURE ALL SUBCONTRACTORS ARE PROVIDED WITH A COMPLETE AND CURRENT SET OF DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT.
18. CONTRACTOR SHALL REMOVE ALL RUBBISH AND DEBRIS FROM THE SITE AT THE END OF EACH DAY.
19. CONTRACTOR SHALL COORDINATE WORK SCHEDULE WITH AMERICAN TOWER CORPORATION (ATC) AND TAKE PRECAUTIONS TO MINIMIZE IMPACT AND DISRUPTION OF OTHER OCCUPANTS OF THE FACILITY.
20. CONTRACTOR SHALL FURNISH VERIZON AND AMERICAN TOWER CORPORATION (ATC) WITH A PDF MARKED UP AS-BUILT SET OF DRAWINGS UPON COMPLETION OF WORK.
21. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH VERIZON REP TO DETERMINE WHAT, IF ANY, ITEMS WILL BE PROVIDED. ALL ITEMS NOT PROVIDED SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. CONTRACTOR WILL INSTALL ALL ITEMS PROVIDED.

22. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH VERIZON REP TO DETERMINE IF ANY PERMITS WILL BE OBTAINED BY CONTRACTOR. ALL REQUIRED PERMITS NOT OBTAINED BY VERIZON MUST BE OBTAINED, AND PAID FOR, BY THE CONTRACTOR.
23. CONTRACTOR SHALL INSTALL ALL SITE SIGNAGE IN ACCORDANCE WITH VERIZON SPECIFICATIONS AND REQUIREMENTS.
24. CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO VERIZON FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
25. ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND LOCATED ACCORDING TO VERIZON SPECIFICATIONS, AND AS SHOWN IN THESE PLANS.
26. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
27. CONTRACTOR SHALL NOTIFY VERIZON REP A MINIMUM OF 48 HOURS IN ADVANCE OF POURING CONCRETE OR BACKFILLING ANY UNDERGROUND UTILITIES, FOUNDATIONS OR SEALING ANY WALL, FLOOR OR ROOF PENETRATIONS FOR ENGINEERING REVIEW AND APPROVAL.
28. WHEN THE PROJECT SCOPE REQUIRES THE USE OF THE SAFETY CLIMB, THE GENERAL CONTRACTOR SHALL ENSURE THE SAFETY CLIMB IS FREE OF OBSTRUCTIONS, NOT RUBBING ON OR TRAPPED BY ANY INSTALLED CUSTOMER EQUIPMENT, IS VISUALLY TAUT, MEETS MANUFACTURER INSTALLATION SPECIFICATIONS, AND IS FIRMLY SECURED AT ALL CABLE GUIDE LOCATIONS UPON PROJECT COMPLETION.
29. COMPLETION OF PROJECT SHALL NOT OBSTRUCT, TRAP, LOOSEN, OR OTHERWISE CAUSE FAILURE TO MEET MANUFACTURER INSTALLATION REQUIREMENTS FOR THE SAFETY CLIMB.
30. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY INCLUDING COMPLIANCE WITH ALL APPLICABLE OSHA STANDARDS AND RECOMMENDATIONS AND SHALL PROVIDE ALL NECESSARY SAFETY DEVICES INCLUDING PPE AND CONSTRUCTION DEVICES SUCH AS WELDING AND FIRE PREVENTION, TEMPORARY SHORING, SCAFFOLDING, TRENCH BOXES/SLOPING, BARRIERS, ETC.
31. THE CONTRACTOR SHALL PROTECT AT HIS OWN EXPENSE, ALL EXISTING FACILITIES AND SUCH OF HIS NEW WORK LIABLE TO INJURY DURING THE CONSTRUCTION PERIOD. ANY DAMAGE CAUSED BY 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.
32. ALL WORK SHALL BE INSTALLED IN A FIRST CLASS, NEAT AND WORKMANLIKE MANNER BY MECHANICS SKILLED IN THE TRADE INVOLVED. THE QUALITY OF WORKMANSHIP SHALL BE SUBJECT TO THE APPROVAL OF THE VERIZON REP. ANY WORK FOUND BY THE VERIZON REP TO BE OF INFERIOR QUALITY AND/OR WORKMANSHIP SHALL BE REPLACED AND/OR REWORKED AT CONTRACTOR EXPENSE UNTIL APPROVAL IS OBTAINED.
33. IN ORDER TO ESTABLISH STANDARDS OF QUALITY AND PERFORMANCE, ALL TYPES OF MATERIALS LISTED HEREINAFTER BY MANUFACTURER'S NAMES AND/OR MANUFACTURER'S CATALOG NUMBER SHALL BE PROVIDED BY THESE MANUFACTURERS AS SPECIFIED.
34. VERIZON FURNISHED EQUIPMENT SHALL BE PICKED-UP AT THE VERIZON WAREHOUSE, NO LATER THAN 48HR AFTER BEING NOTIFIED INSURED, STORED, UNCRATE, PROTECTED AND INSTALLED BY THE CONTRACTOR WITH ALL APPURTENANCES REQUIRED TO PLACE THE EQUIPMENT IN OPERATION, READY FOR USE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EQUIPMENT AFTER PICKING IT UP.
35. VERIZON OR HIS ARCHITECT/ENGINEER RESERVES THE RIGHT TO REJECT ANY EQUIPMENT OR MATERIALS WHICH, IN HIS OWN OPINION ARE NOT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS, EITHER BEFORE OR AFTER INSTALLATION AND THE EQUIPMENT SHALL BE REPLACED WITH EQUIPMENT CONFORMING TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE CONTRACTOR AT NO COST TO VERIZON OR THEIR ARCHITECT/ENGINEER.

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

SPECIAL CONSTRUCTION

ANTENNA INSTALLATION NOTES:

1. WORK INCLUDED:
 - A. ANTENNA AND COAXIAL/HYBRID CABLES ARE FURNISHED BY VERIZON UNDER A SEPARATE CONTRACT. THE CONTRACTOR SHALL ASSIST ANTENNA INSTALLATION CONTRACTOR IN TERMS OF COORDINATION AND SITE ACCESS. ERECTION SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF PERSONNEL.
 - B. INSTALL ANTENNAS AS INDICATED ON DRAWINGS AND VERIZON SPECIFICATIONS.
 - C. INSTALL GALVANIZED STEEL ANTENNA MOUNTS AS INDICATED ON DRAWINGS.
 - D. INSTALL FURNISHED GALVANIZED STEEL OR ALUMINUM WAVEGUIDE.
 - E. INSTALL COAXIAL/HYBRID CABLES AND TERMINATING BETWEEN ANTENNAS AND EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. WEATHERPROOF ALL CONNECTIONS BETWEEN THE ANTENNA AND EQUIPMENT PER MANUFACTURER'S REQUIREMENTS. TERMINATE ALL COAXIAL/HYBRID CABLE THREE (3) FEET IN EXCESS OF ENTRY PORT LOCATION UNLESS OTHERWISE STATED.
2. ANTENNA AND COAXIAL/HYBRID CABLE GROUNDING:
 - A. ALL EXTERIOR #6 GREEN GROUND WIRE "DAISY CHAIN" CONNECTIONS ARE TO BE WEATHER SEALED WITH RFS CONNECTORS/SPLICE WEATHERPROOFING KIT #221213 OR EQUAL.

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



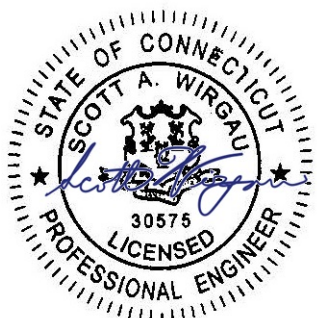
AMERICAN TOWER®
A.T. ENGINEERING SERVICES LLC
 3500 REGENCY PARKWAY
 SUITE 100
 CARY, NC 27518
 PHONE: (919) 468-0112
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 ATC SITE NAME:
WSPT-WESTPORT REBUILD CT
 VERIZON SITE NAME:
WESTPORT 2 CT
 SITE ADDRESS:
 180A BAYBERRY LANE
 WESTPORT, CT 06880

SEAL:



Digitally Signed: 2023-09-15



ATC JOB NO:	14519511_G0
CUSTOMER ID:	WESTPORT 2 CT
CUSTOMER #:	5000385765

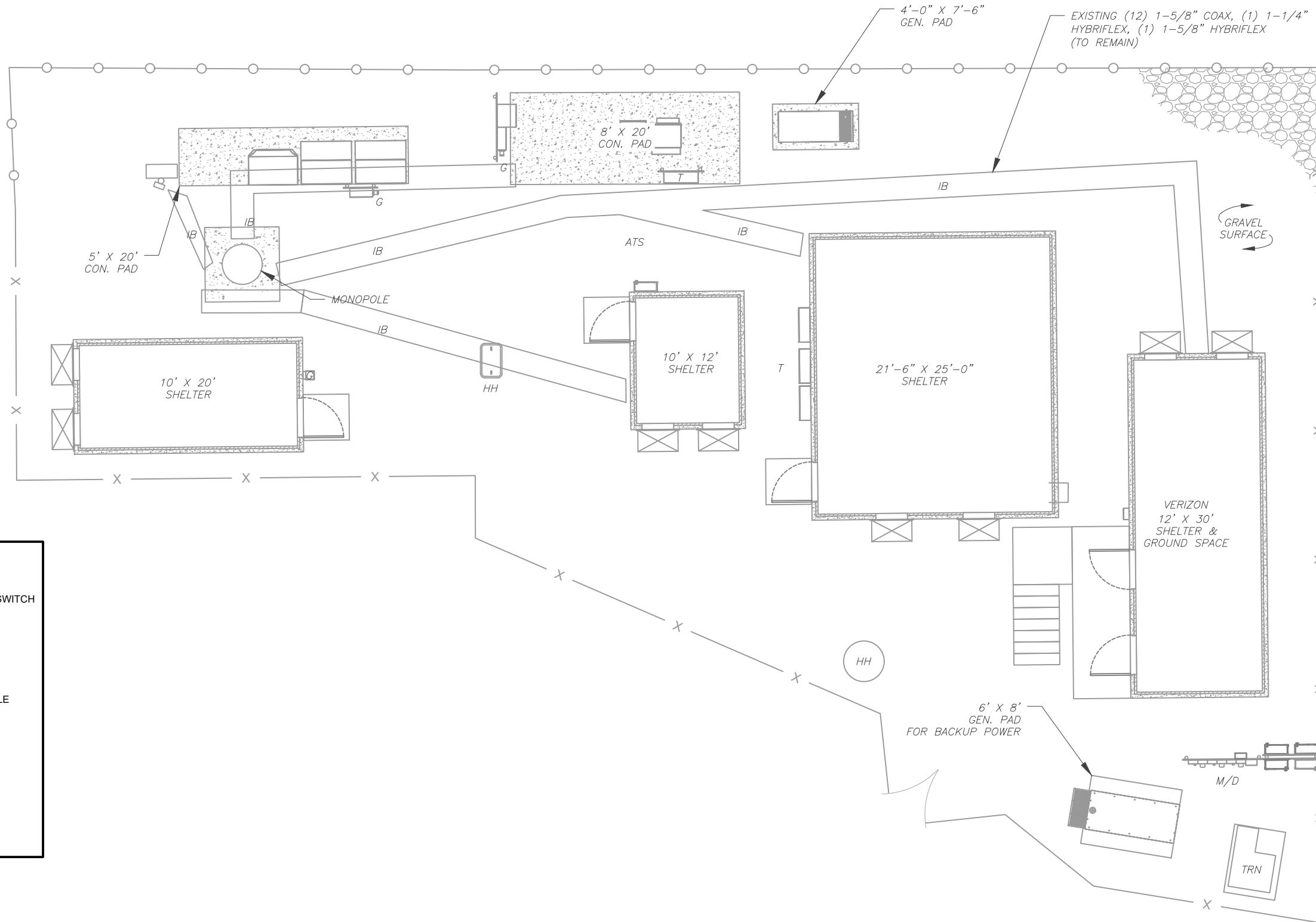
GENERAL NOTES

SHEET NUMBER: G-002	REVISION: 0
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SITE PLAN NOTES:

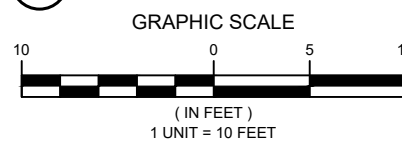
1. THIS SITE PLAN REPRESENTS THE BEST PRESENT KNOWLEDGE AVAILABLE TO THE ENGINEER AT THE TIME OF THIS DESIGN. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO CONSTRUCTION AND VERIFY ALL EXISTING CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT.
2. ICE BRIDGE, CABLE LADDER, COAX PORT, AND COAX CABLE ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL CONFIRM THE EXACT LOCATION OF ALL PROPOSED AND EXISTING EQUIPMENT AND STRUCTURES DEPICTED ON THIS PLAN. BEFORE UTILIZING EXISTING CABLE SUPPORTS, COAX PORTS, INSTALLING NEW PORTS OR ANY OTHER EQUIPMENT, CONTRACTOR SHALL VERIFY ALL ASPECTS OF THE COMPONENTS MEET THE ATC SPECIFICATIONS.
3. NO ELECTRICAL SCOPE IS INCLUDED IN THIS PROJECT.



LEGEND

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

1 DETAILED SITE PLAN

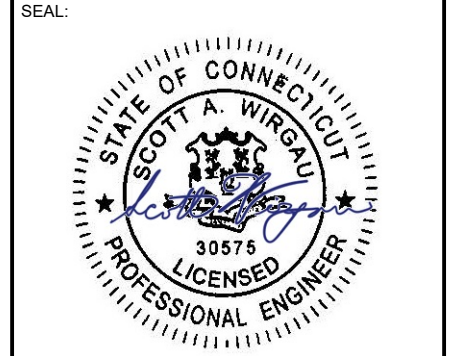


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REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	JM	09/14/23

ATC SITE NUMBER:
310968
 ATC SITE NAME:
WSPT-WESTPORT REBUILD CT
 VERIZON SITE NAME:
WESTPORT 2 CT
 SITE ADDRESS:
 180A BAYBERRY LANE
 WESTPORT, CT 06880



Digitally Signed: 2023-09-15

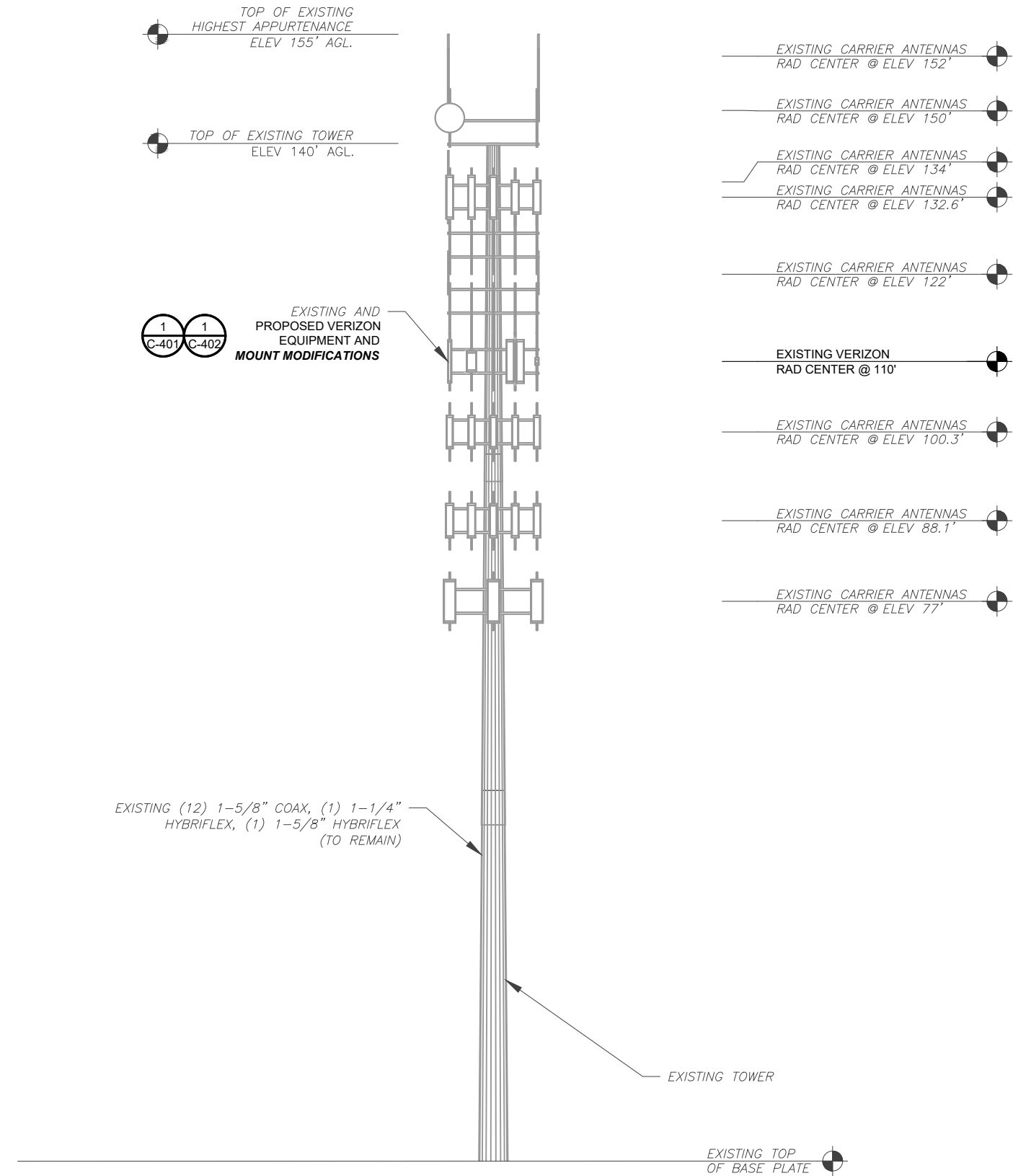


ATC JOB NO:	14519511_G0
CUSTOMER ID:	WESTPORT 2 CT
CUSTOMER #:	5000385765

DETAILED SITE PLAN

SHEET NUMBER:	REVISION:
C-101	0

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PER MOUNT ANALYSIS COMPLETED BY COLLIERS, DATED 08/14/2023, THE EXISTING MOUNT **MUST BE MODIFIED** TO ADEQUATELY SUPPORT THE PROPOSED LOADING. THE MOUNT MODIFICATION PROPOSED IN THE MOUNT ANALYSIS, INCLUDED AT THE END OF THIS PLAN SET, MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PROPOSED ANTENNAS AND OTHER EQUIPMENT.



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ATC SITE NUMBER:
310968
 ATC SITE NAME:
WSPT-WESTPORT REBUILD CT
 VERIZON SITE NAME:
WESTPORT 2 CT
 SITE ADDRESS:
 180A BAYBERRY LANE
 WESTPORT, CT 06880



Digitally Signed: 2023-09-15



ATC JOB NO:	14519511_GO
CUSTOMER ID:	WESTPORT 2 CT
CUSTOMER #:	5000385765

TOWER ELEVATION

SHEET NUMBER: C-201	REVISION: 0
-------------------------------	-----------------------

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

1 TOWER ELEVATION
 SCALE: N.T.S.

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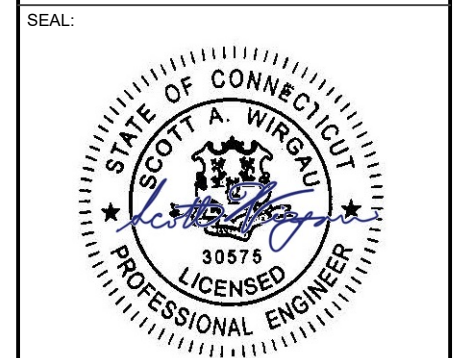


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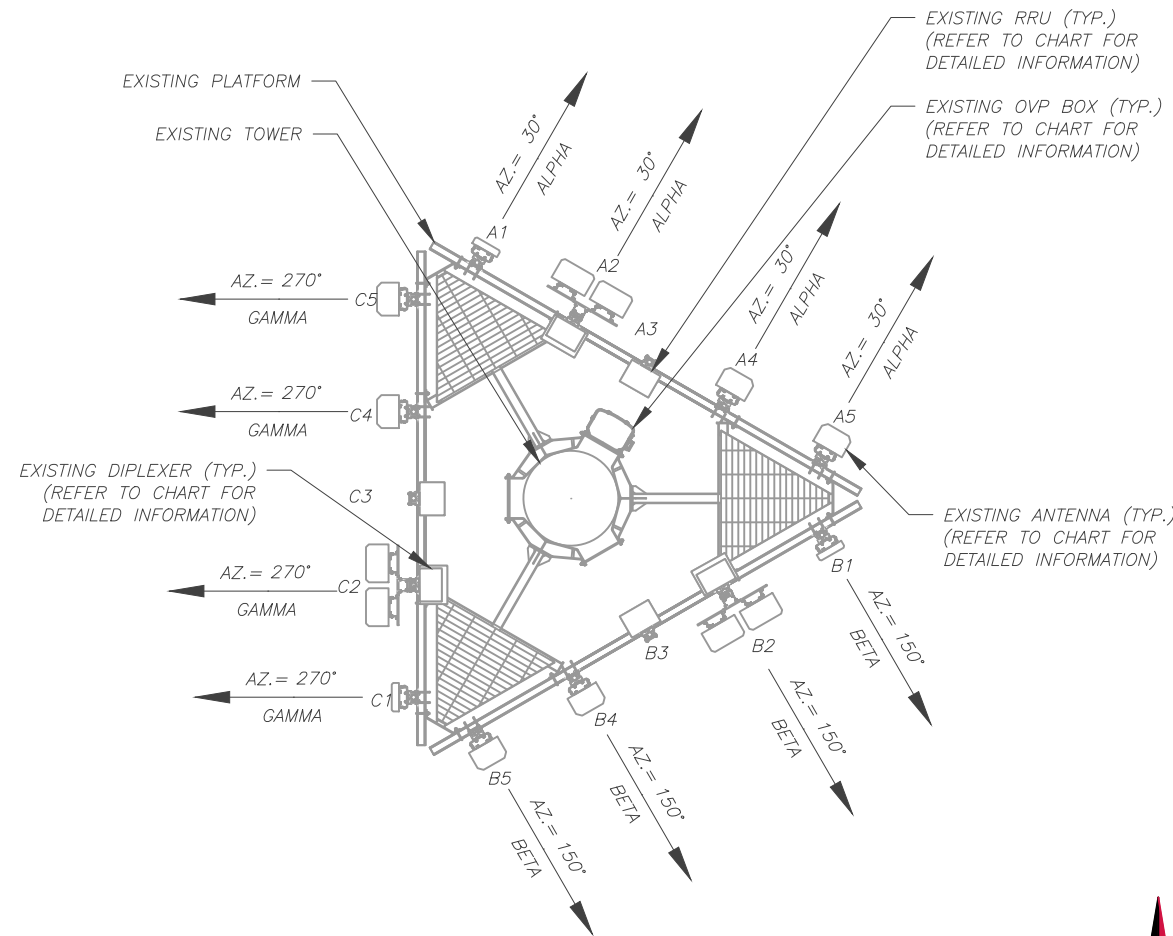
Digitally Signed: 2023-09-15



ATC JOB NO: 14519511_GO
 CUSTOMER ID: WESTPORT 2 CT
 CUSTOMER #: 5000385765

ANTENNA INFORMATION & SCHEDULE

SHEET NUMBER:
C-401
 REVISION:
0



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

EXISTING ANTENNA SCHEDULE								
LOCATION		ANTENNA SUMMARY				NON ANTENNA SUMMARY		
SECTOR	RAD	AZ	POS	ANTENNA	BAND	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	110'	30°	A1	XXDWMM-12.5-65-8T-CBRS	CBRS LTE	RMN	-	-
			A2	(2) JAHH-65B-R3B	700/850/1900/2100 LTE	RMN	CBC78T-DS-43-2X	RMN
			A3	-	-	-	B5/B13 RRH-BR04C	RMN
			A4	MT6407-77A	L-SUB6 5G	RMN	-	-
			A5	BXA-70080/6CF	850 CDMA	RMN	-	-
BETA	110'	150°	B1	XXDWMM-12.5-65-8T-CBRS	CBRS LTE	RMN	-	-
			B2	(2) JAHH-65B-R3B	700/850/1900/2100 LTE	RMN	CBC78T-DS-43-2X	RMN
			B3	-	-	-	B5/B13 RRH-BR04C	RMN
			B4	MT6407-77A	L-SUB6 5G	RMN	-	-
			B5	BXA-70080/6CF	850 CDMA	RMN	-	-
GAMMA	110'	270°	C1	XXDWMM-12.5-65-8T-CBRS	CBRS LTE	RMN	-	-
			C2	(2) JAHH-65B-R3B	700/850/1900/2100 LTE	RMN	CBC78T-DS-43-2X	RMN
			C3	-	-	-	B5/B13 RRH-BR04C	RMN
			C4	MT6407-77A	L-SUB6 5G	RMN	-	-
			C5	BXA-70080/6CF	850 CDMA	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

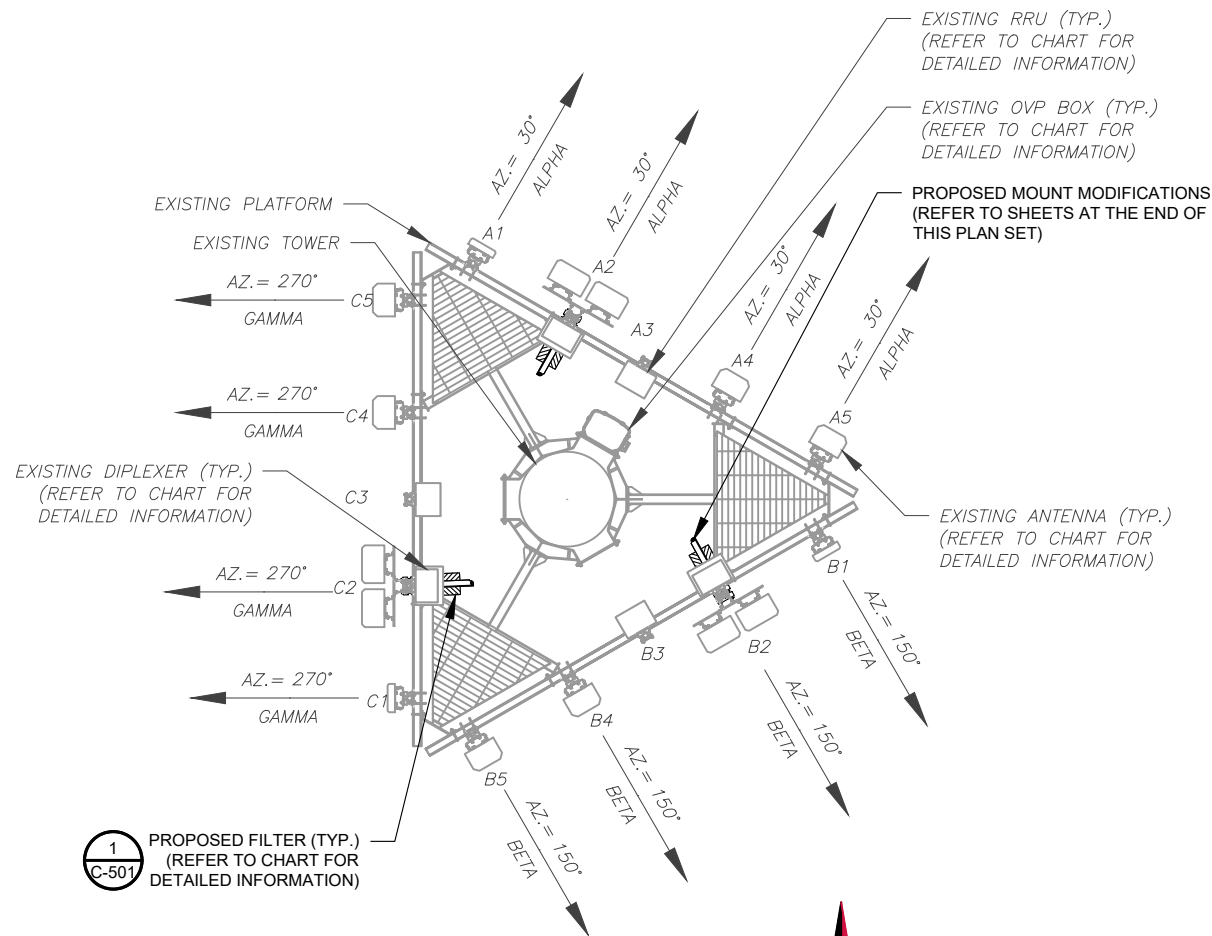
RMV: TO BE REMOVED
 RMN: TO REMAIN
 REL: TO BE RELOCATED
 ADD: TO BE ADDED

CABLE LENGTHS FOR JUMPERS

JUNCTION BOX TO RRU: 15'
 RRU TO ANTENNA: 10'

EXISTING FIBER DISTRIBUTION/OVP BOX		EXISTING CABLING SUMMARY	
MODEL NUMBER	STATUS	CABLE QTY, SIZE, TYPE	STATUS
DB-C1-12C-24AB-OZ	RMN	(12) 1-5/8" COAX, (1) 1-1/4" HYBRIFLEX, (1) 1-5/8" HYBRIFLEX	RMN
-	RMV	----	RMV

2 EQUIPMENT SCHEDULES



PER MOUNT ANALYSIS COMPLETED BY COLLIERS, DATED 08/14/2023, THE EXISTING MOUNT **MUST BE MODIFIED** TO ADEQUATELY SUPPORT THE PROPOSED LOADING. THE MOUNT MODIFICATION PROPOSED IN THE MOUNT ANALYSIS, INCLUDED AT THE END OF THIS PLAN SET, MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PROPOSED ANTENNAS AND OTHER EQUIPMENT.

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

- 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	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	110'	30°	A1	XXDWMM-12.5-65-8T-CBRS	CBRS LTE	RMN	-	-
			A2	(2) JAHH-65B-R3B	700/850/1900/2100 LTE	RMN	CBC78T-DS-43-2X B5/B13 RRH-BR04C (2) KA-6030	RMN RMN ADD
			A3	-	-	-	B2/B66A RRH-BR049	RMN
			A4	MT6407-77A	L-SUB6 5G	RMN	-	-
			A5	BXA-70080/6CF	850 CDMA	RMN	-	-
BETA	110'	150°	B1	XXDWMM-12.5-65-8T-CBRS	CBRS LTE	RMN	-	-
			B2	(2) JAHH-65B-R3B	700/850/1900/2100 LTE	RMN	CBC78T-DS-43-2X B5/B13 RRH-BR04C (2) KA-6030	RMN RMN ADD
			B3	-	-	-	B2/B66A RRH-BR049	RMN
			B4	MT6407-77A	L-SUB6 5G	RMN	-	-
			B5	BXA-70080/6CF	850 CDMA	RMN	-	-
GAMMA	110'	270°	C1	XXDWMM-12.5-65-8T-CBRS	CBRS LTE	RMN	-	-
			C2	(2) JAHH-65B-R3B	700/850/1900/2100 LTE	RMN	CBC78T-DS-43-2X B5/B13 RRH-BR04C (2) KA-6030	RMN RMN ADD
			C3	-	-	-	B2/B66A RRH-BR049	RMN
			C4	MT6407-77A	L-SUB6 5G	RMN	-	-
			C5	BXA-70080/6CF	850 CDMA	RMN	-	-

FINAL FIBER DISTRIBUTION / OVP BOX		FINAL CABLING SUMMARY	
MODEL NUMBER	STATUS	CABLE QTY, SIZE, TYPE	STATUS
DB-C1-12C-24AB-0Z	RMN	(12) 1-5/8" COAX, (1) 1-1/4" HYBRIFLEX, (1) 1-5/8" HYBRIFLEX	RMN
-	ADD	---	ADD

2 EQUIPMENT SCHEDULES

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REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	JM	09/14/23

ATC SITE NUMBER:
310968

ATC SITE NAME:
WSPT-WESTPORT REBUILD CT

VERIZON SITE NAME:
WESTPORT 2 CT

SITE ADDRESS:
180A BAYBERRY LANE
WESTPORT, CT 06880



Digitally Signed: 2023-09-15



ATC JOB NO: 14519511_G0
CUSTOMER ID: WESTPORT 2 CT
CUSTOMER #: 5000385765

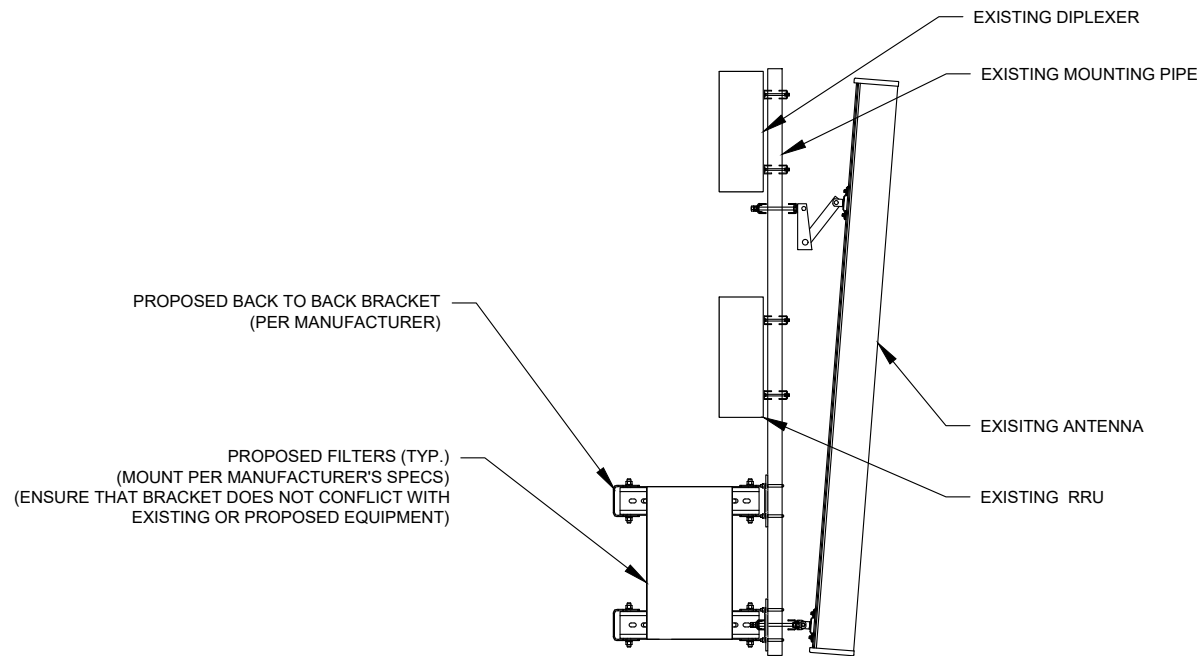
ANTENNA INFORMATION & SCHEDULE

SHEET NUMBER:
C-402

REVISION:
0

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



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



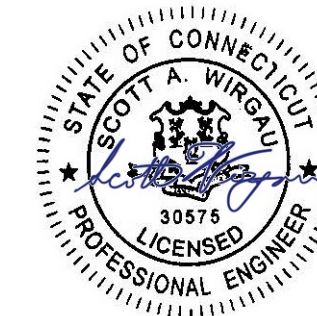
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REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	JM	09/14/23

ATC SITE NUMBER:
310968
 ATC SITE NAME:
WSPT-WESTPORT REBUILD CT
 VERIZON SITE NAME:
WESTPORT 2 CT
 SITE ADDRESS:
 180A BAYBERRY LANE
 WESTPORT, CT 06880

SEAL:



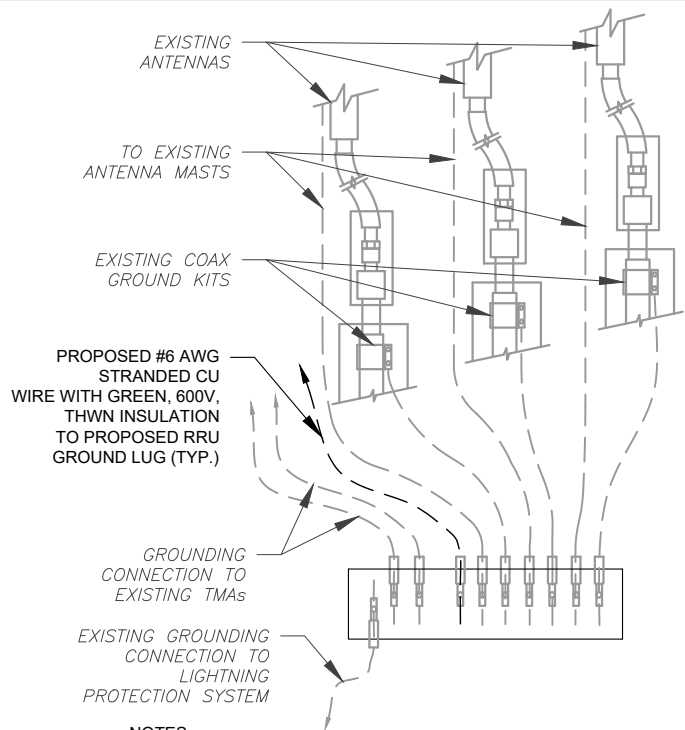
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ATC JOB NO:	14519511_G0
CUSTOMER ID:	WESTPORT 2 CT
CUSTOMER #:	5000385765

**CONSTRUCTION
 DETAILS**

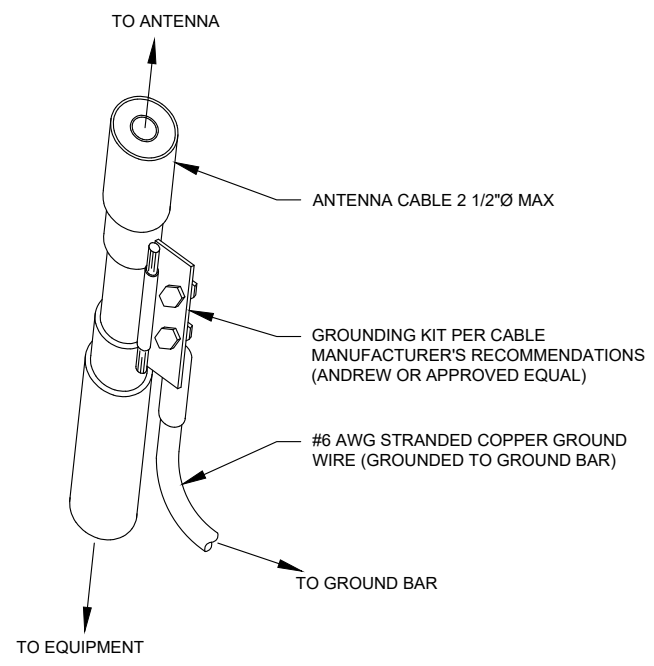
SHEET NUMBER:	REVISION:
C-501	0



NOTES:

1. THIS DETAIL IS INTENDED TO SHOW THE GENERAL GROUNDING REQUIREMENTS. SLIGHT 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.

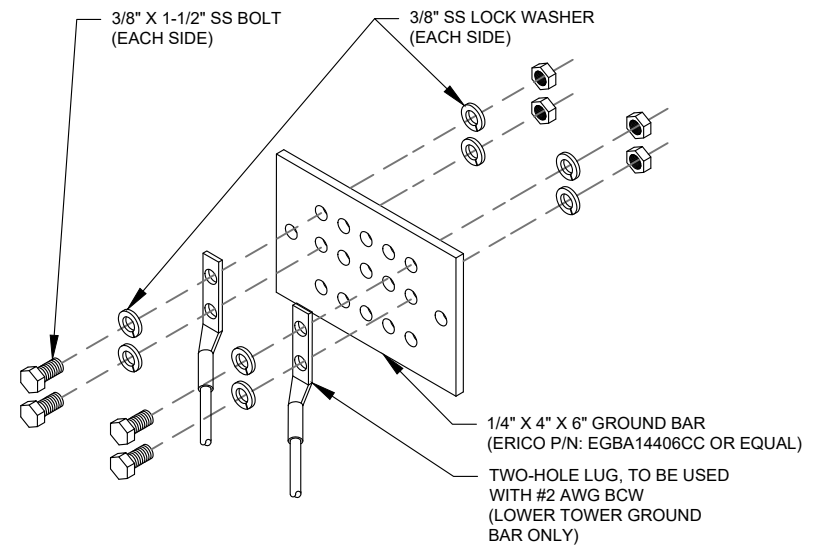
1 TYPICAL ANTENNA GROUNDING DIAGRAM
SCALE: N.T.S.



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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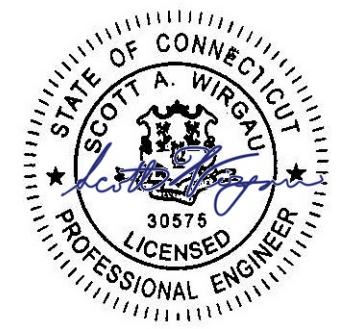
ATC SITE NUMBER:
310968

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WSPT-WESTPORT REBUILD CT

VERIZON SITE NAME:
WESTPORT 2 CT

SITE ADDRESS:
180A BAYBERRY LANE
WESTPORT, CT 06880

SEAL:



Digitally Signed: 2023-09-15



ATC JOB NO:	14519511_G0
CUSTOMER ID:	WESTPORT 2 CT
CUSTOMER #:	5000385765

GROUNDING DETAILS

SHEET NUMBER:	REVISION:
E-501	0

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Colliers Engineering & Design CT, P.C.
 1055 Washington Blvd
 Stamford, CT 06901
 203.324.0800
 peter.albano@collierseng.com

Mount Structural Analysis Report
 (1) 12.50-Ft Platform

August 14, 2023
 Site ID: 5000385765-VZW / WESTPORT 2 CT
 Page | 5

Antenna Mount Analysis Report with Hardware Upgrades and PMI Requirements

Mount ReAnalysis

SMART Tool Project #: 10208086
 Colliers Engineering & Design CT, P.C. Project #: 23777234

August 14, 2023

Site Information

Site ID: 5000385765-VZW / WESTPORT 2 CT
 Site Name: WESTPORT 2 CT
 Carrier Name: Verizon Wireless
 Address: 180 Bayberry Lane
 Westport, Connecticut 06880
 Fairfield County
 Latitude: 41.171667°
 Longitude: -73.328472°

Structure Information

Tower Type: Monopole
 Mount Type: 12.50-Ft Platform

FUZE ID # 17123707

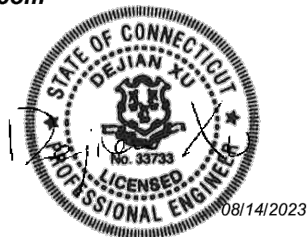
Analysis Results

Platform: 38.1% 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: Grant Walters



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	24.2	24.2	45.8	45.8
0.5	31.5	31.5	61.7	61.7
1	38.3	38.3	77.2	77.2

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 float mount. Contractor shall take care not to damage existing coax / jumpers. After fully securing collar at new location contractor shall replace all threaded rods on mount collar with new galvanized threaded rods of equal size and grade as existing rods. Rods shall not be replaced until mount has been fully secured at new location. Contractor shall not loosen or replace more than one rod at a time. Trim new rods such that they extend no more than 3" beyond lock nuts. Protect all cut ends with two (2) coats of cold galvanization (Zinga or Zinc Kote).

Contractor shall verify modifications detailed in Construction Drawings by Maser Consulting Connecticut dated June 23, 2021 have been installed prior to installation of equipment. **Escalate any discrepancies to EOR immediately as it may render the results of this analysis invalid and require additional modifications.**

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.

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

Attachments:

1. 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

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.

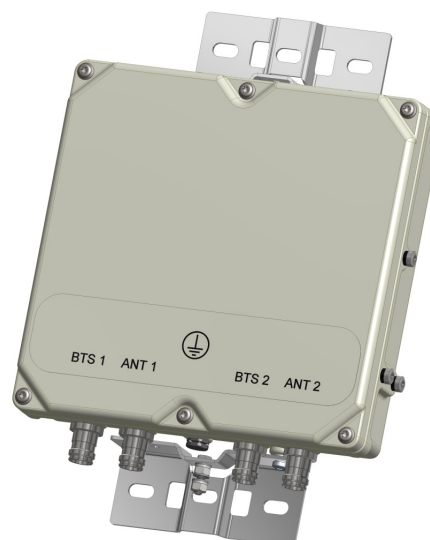
KA-6030

TWIN BANDSTOP 900MHZ INTERFERENCE MITIGATION FILTER

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

FEATURES

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



TECHNICAL SPECIFICATIONS

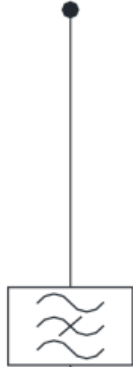
BAND NAME	700 PATH / 850 UPLINK PATH	850 DOWNLINK PATH
Passband	698 - 849MHz	869 - 891.5MHz
Insertion loss	0.1dB typical / 0.3dB maximum	0.5dB typical, 1.45dB maximum
Return loss	24dB typical, 18dB minimum	
Maximum input power (Per Port)	100W average	200W average and 66W per 5MHz
Rejection	53dB minimum @ 894.1 - 896.5MHz	
ELECTRICAL		
Impedance	50Ohms	
Intermodulation products	-160dBc maximum in UL Band (assuming 20MHz Signal), with 2 x 43dBm carriers -153dBc maximum with 2 x 43dBm	
DC / AISG		
Passband	0 - 13MHz	
Insertion loss	0.3dB maximum	
Return loss	15dB minimum	
Input voltage range	± 33V	
DC current rating	2A continuous, 4A peak	
Compliance	3GPP TS 25.461	
ENVIRONMENTAL		
For further details of environmental compliance, please contact Kaelus.		
Temperature range	-20°C to +60°C -4°F to +140°F	
Ingress protection	IP67	
Altitude	2600m 8530ft	
Lightning protection	RF port: ±5kA maximum (8/20us), IEC 61000-4-5 – Unit must be terminated with some lightning protection circuits.	
MTBF	>1,000,000 hours	
Compliance	ETSI EN 300 019 class 4.1H, RoHS, NEBS GR-487-CORE	
MECHANICAL		
Dimensions H x D x W	269 x 277 x 80mm 10.60 x 10.90 x 3.15in (Excluding brackets and connectors)	
Weight	8.0 kg 17.6 lbs (no bracket)	
Finish	Powder coated, light grey (RAL7035)	
Connectors	RF: 4.3-10 (F) x 4	
Mounting	Optional pole/wall bracket supplied with two metal clamps 45-178mm diameter poles or custom bracket. See ordering information.	

ORDERING INFORMATION

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

ELECTRICAL BLOCK DIAGRAM

ANT1



BTS1

ANT2



BTS2

MECHANICAL BLOCK DIAGRAM

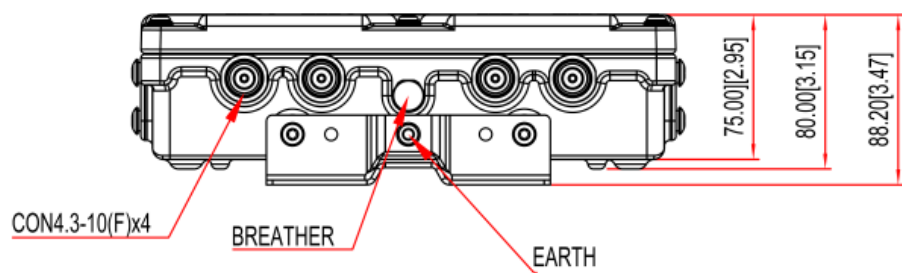
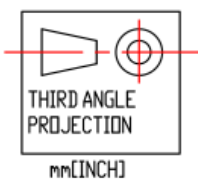
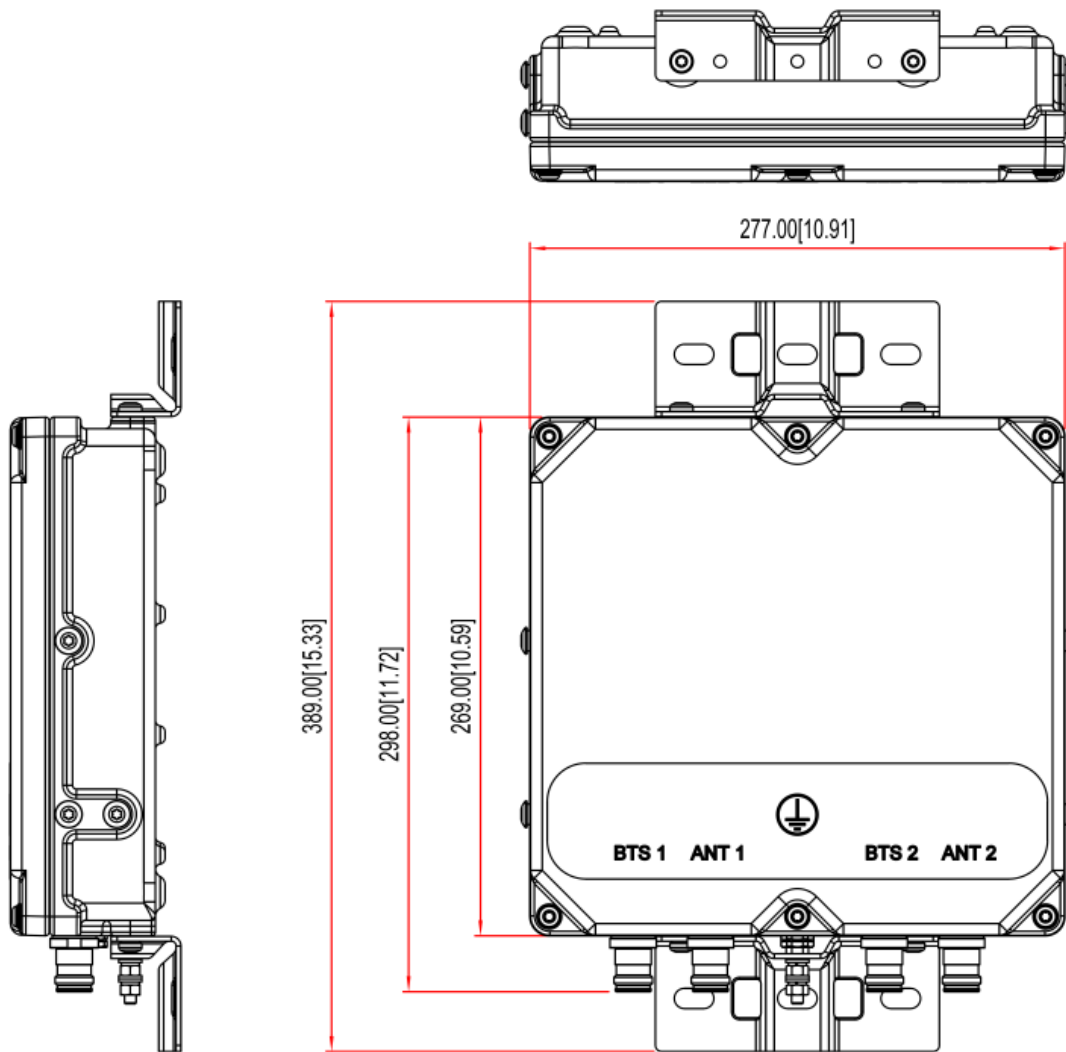


EXHIBIT 2



180 BAYBERRY LN

Location 180 BAYBERRY LN

Mblu F15/ / 58/ /

Acct# 14714

Owner AMERICAN TOWERS, INC.

Assessment \$1,103,290

Appraisal \$1,575,900

PID 100658

Building Count 1

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2020	\$1,575,900	\$0	\$1,575,900

Assessment			
Valuation Year	Improvements	Land	Total
2020	\$1,103,290	\$0	\$1,103,290

Owner of Record

Owner AMERICAN TOWERS, INC.
Co-Owner PROPERTY TAX DEPT
Address PO BOX 723597
ATLANTA, GA 31139

Sale Price \$0
Certificate
Book & Page 0000/0000
Sale Date 10/01/2010

Ownership History

Ownership History				
Owner	Sale Price	Certificate	Book & Page	Sale Date
AMERICAN TOWERS, INC.	\$0		0000/0000	10/01/2010

Building Information

Building 1 : Section 1

Year Built:
Living Area: 0
Replacement Cost: \$0
Building Percent Good:
Replacement Cost
Less Depreciation: \$0

Building Attributes

Field	Description
Style:	Outbuildings
Model	
Grade:	
Stories:	
Occupancy	
Exterior Wall 1	
Exterior Wall 2	
Roof Structure:	
Roof Cover	
Interior Wall 1	
Interior Wall 2	
Interior Flr 1	
Interior Flr 2	
Heat Fuel	
Heat Type:	
AC Type:	
Total Bedrooms:	
Total Bthrms:	
Total Half Baths:	
Total Xtra Fixtrs:	
Total Rooms:	
Bath Style:	
Kitchen Style:	
Kitchens	
Whirlpool Tubs	
Hot Tubs	
Sauna (SF Area)	
Fin Basement	
Fin Bsmt Qual	
Bsmt. Garages	
Interior Cond	
Fireplaces	
Ceiling Height	
Elevator	
Sprinklers	
Acc Apts	
Fndtn Cndtn	
Basement	

Building Photo



(<https://images.vgsi.com/photos2/WestportCTPhotos/\00\01\76\80.jpg>)

Building Layout

 Building Layout (ParcelSketch.ashx?pid=100658&bid=30421)

Building Sub-Areas (sq ft)	Legend
No Data for Building Sub-Areas	

Extra Features

Extra Features		<u>Legend</u>
No Data for Extra Features		

Land

Land Use		Land Line Valuation	
Use Code	435	Size (Acres)	0
Description	Cell Site Vac Lnd	Frontage	
Zone	AAA	Depth	
Neighborhood		Assessed Value	\$0
Alt Land Appr	No	Appraised Value	\$0
Category			

Outbuildings

Outbuildings						<u>Legend</u>
Code	Description	Sub Code	Sub Description	Size	Value	Bldg #
CELL	Cell on TWR	TW		6.00 Sites	\$1,267,700	1
CB3	PerCastConcCel			360.00 S.F.	\$94,500	1
CB3	PerCastConcCel			440.00 S.F.	\$115,500	1
FN4	Fence 8'			200.00 L.F.	\$2,600	1
CB3	PerCastConcCel			144.00 S.F.	\$37,800	1
CB3	PerCastConcCel			220.00 S.F.	\$57,800	1

Valuation History

Appraisal			
Valuation Year	Improvements	Land	Total
2022	\$1,575,900	\$0	\$1,575,900
2021	\$1,575,900	\$0	\$1,575,900
2020	\$1,575,900	\$0	\$1,575,900

Assessment			
Valuation Year	Improvements	Land	Total
2022	\$1,103,290	\$0	\$1,103,290
2021	\$1,103,290	\$0	\$1,103,290
2020	\$1,103,290	\$0	\$1,103,290

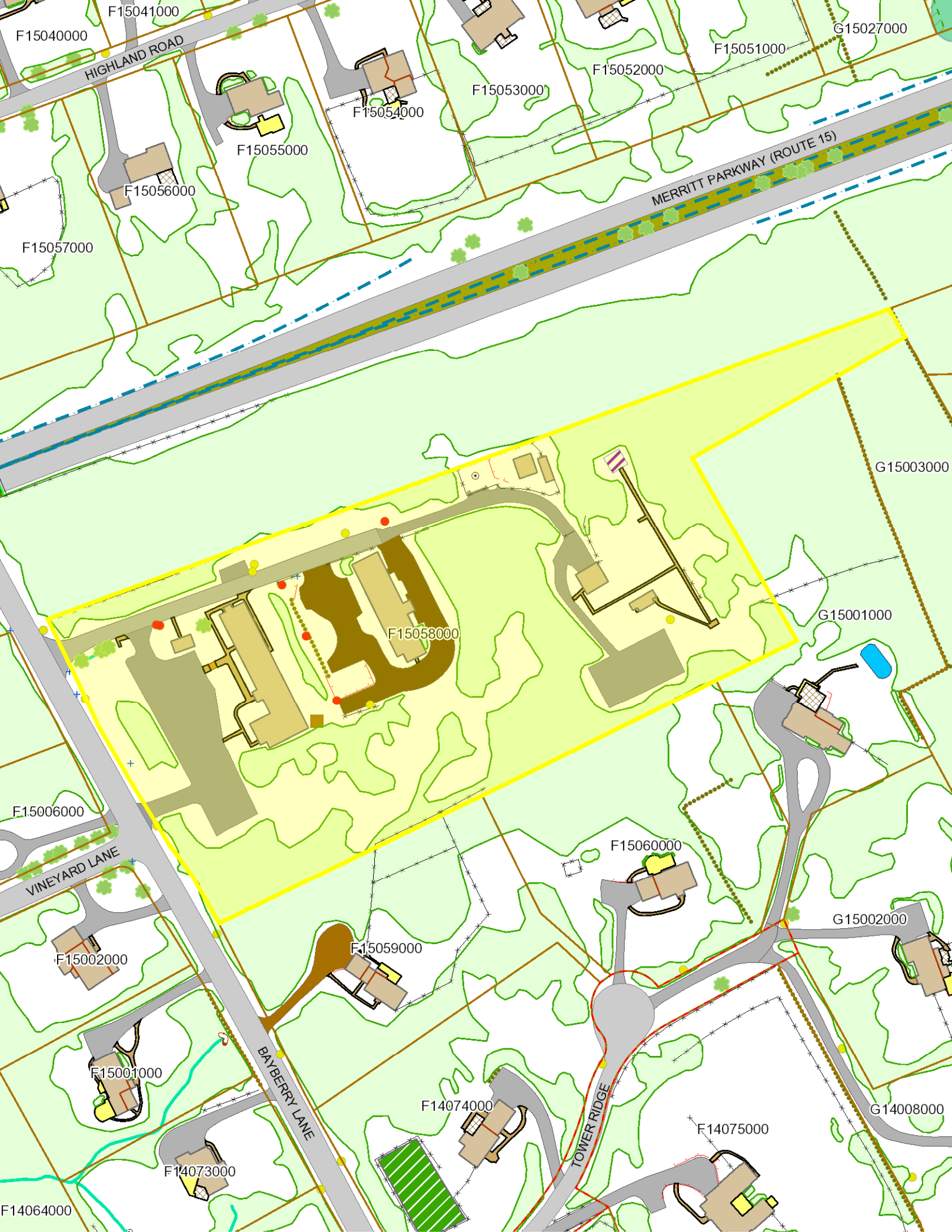


EXHIBIT 3





AMERICAN TOWER®
CORPORATION

Structural Analysis Report

Structure : 140 ft Monopole
ATC Asset Name : WSPT-WESTPORT REBUILD CT
ATC Asset Number : 310968
Engineering Number : 14519511_C3_06
Proposed Carrier : VERIZON WIRELESS
Carrier Site Name : Westport 2 CT
Carrier Site Number : 5000385765
Site Location : 180A Bayberry Lane
Westport, CT 06880-2844
41.1716° N, 73.3286° W
County : Fairfield
Date : September 5, 2023
Max Usage : 80%
Analysis Result : Pass

Created By:

Taylor Kellner
Structural Engineer I



COA: PEC.0001553

Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 140 ft Monopole tower to reflect the change in loading by VERIZON WIRELESS.

Supporting Documents

Tower:	PJF, Penn Summit Job #29204-0171, dated July 1, 2004
Foundation:	PJF, Penn Summit Job #29204-0171, dated June 10, 2004
Geotechnical:	GeoTechnologies Project #1-02-1190-EA, dated September 23, 2002

Analysis

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

Basic Wind Speed:	118 mph (3-second gust)
Basic Wind Speed w/ Ice:	50 mph (3-second gust) w/ 1.00" 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 1
Topographic Category:	1
Spectral Response:	$S_s = 0.23$, $S_1 = 0.06$
Site Class:	D - Stiff Soil - Default

Conclusion

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

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

Structure Usages

Structural Component	Usage	Control	Result
Pole Shaft	80.5%	1.2D + 1.0W	Pass
Base Plate @ 0.0 ft	69.1%	Rods	Pass
Mat & Pier	55.7%	Moment [Soil]	Pass

Maximum Reactions

Foundation	Moment (k-ft)	Axial (k)	Shear (k)
Monopole Base	3,145.7	60.9	29.5

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

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

VERIZON WIRELESS Final Loading

Elev (ft)	Qty	Equipment	Lines
115.1	-	-	(1) 1 5/8" Hybriflex
115.0	1	RFS DB-C1-12C-24AB-0Z	-
110.0	1	Low Profile Platform	(1) 1 1/4" Hybriflex Cable (12) 1 5/8" Coax
	3	Antel BXA-70080/6CF__	
	3	Commscope CBC78T-DS-43-2X	
	3	Samsung B2/B66A RRH-BR049	
	3	Samsung B5/B13 RRH-BR04C	
	3	Samsung MT6407-77A	
	3	Samsung XXDWMM-12.5-65-8T-CBRS	
	6	Commscope JAHH-65B-R3B	
	6	Kaelus KA-6030	

Other Existing/Reserved Loading

Elev (ft)	Qty	Equipment	Lines	Carrier
147.0	3	dbSpectra DS7C09P36U-D	(3) 1 5/8" Coax	TOWN OF WESTPORT
144.2	1	12' Omni	-	TOWN OF WESTPORT
144.1	1	RFS SC3-W100AB	-	TOWN OF WESTPORT
143.5	2	8' Omni	-	TOWN OF WESTPORT
143.3	1	6' FM antenna	-	TOWN OF WESTPORT
141.0	1	12' Dipole	-	TOWN OF WESTPORT
140.0	1	TX RX Systems 432F-83W-01-C-110/110R/48/48R	(1) 1/2" Coax (1) EW90	TOWN OF WESTPORT
138.0	1	6' Omni	-	TOWN OF WESTPORT
	1	Platform with Handrails		
133.6	3	Alcatel-Lucent TD-RRH8x20-25 w/ Solar Shield	-	SPRINT NEXTEL
133.4	3	RFS APXV9TM14-ALU-I20*	-	SPRINT NEXTEL
132.9	3	Alcatel-Lucent 4x40W RRH (91 lb)	-	SPRINT NEXTEL
132.8	3	Alcatel-Lucent 800 MHz 2X50W RRH w/ Filter	-	SPRINT NEXTEL
132.6	3	RFS APXVSP18-C-A20	(1) 1/2" Coax (1) 5/8" Hybriflex	SPRINT NEXTEL
132.0	1	Site Pro 1 RMQP-496-HK	(4) 1.99" (50.7mm) Hybrid	T-MOBILE
	3	Commscope VV-65A-R1		
	3	Ericsson 4460 BAND 2/25		
	3	Ericsson 4480 BAND 71		
	3	Ericsson AIR 6419 B41		
	3	RFS APXVAALL24 43-U-NA20		

Elev (ft)	Qty	Equipment	Lines	Carrier
126.0	1	9' Omni	-	EVERSOURCE ENERGY
121.0	1	Andrew DB586	-	-
120.0	1	Low Profile Platform	-	EVERSOURCE ENERGY
116.2	2	Diamond X50A	-	SENET, INC.
103.8	3	Ericsson RRUS 32 B2	-	AT&T MOBILITY
103.6	1	Raycap DC6-48-60-18-8F ("Squid")	(1) 0.39" (10mm) Fiber Trunk (2) 0.78" (19.7mm) 8 AWG 6 (1) 2" conduit	AT&T MOBILITY
102.2	3	Ericsson RRUS-11 (50 lbs.)	-	AT&T MOBILITY
102.0	3	Ericsson Air 6449 B77D	-	AT&T MOBILITY
100.8	3	CCI HPA-65R-BUU-H6	-	AT&T MOBILITY
100.3	6	Powerwave Allgon 7770.00	-	AT&T MOBILITY
100.0	1	Low Profile Platform	(3) 0.40" (10.3mm) Fiber (2) 0.78" (19.7mm) 8 AWG 6 (4) 0.92" (23.4mm) Cable (18) 1 5/8" Coax (3) 2" conduit (2) 3/8" (0.38"- 9.5mm) RET Control Cable	AT&T MOBILITY
	1	Raycap DC6-48-60-18-8F ("Squid")		
	2	Raycap DC9-48-60-24-8C-EV		
	3	CCI DMP65R-BU8D		
	3	CCI TPA-65R-BU6DA-K		
	3	Ericsson RRUS 32 B2		
	3	Ericsson RRUS 4426 B66		
	3	Ericsson RRUS 4449 B5, B12		
98.6	12	Powerwave Allgon LGP21401	-	AT&T MOBILITY
98.0	3	Ericsson AIR 6419 B77G	-	AT&T MOBILITY
77.0	1	Platform with Handrails	(1) 1.75" (44.5mm) Hybrid	DISH WIRELESS L.L.C.
	1	Raycap RDIDC-9181-PF-48		
	3	Fujitsu TA08025-B604		
	3	Fujitsu TA08025-B605		
	3	JMA Wireless MX08FRO665-21		

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

Standard Conditions

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

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

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

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

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

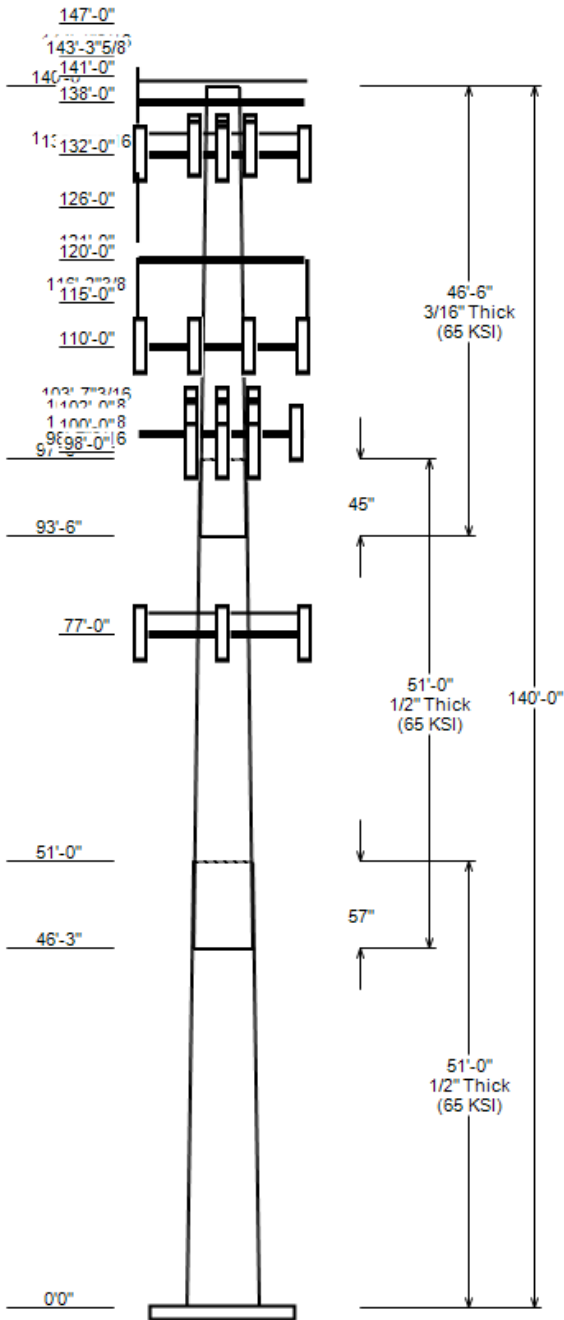
All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. A.T. Engineering Services LLC is not responsible for the conclusions, opinions and recommendations made by others based on the information supplied herein.

ANALYSIS PARAMETERS

Nominal Wind: 118 mph	Ice Wind: 50 mph w/ 1" ice	Service Wind: 60 mph
Risk Category: II	Exposure: B	S _z : 0.227 S _t : 0.056
Topo Category: 1	Topo Factor: Method 1	Topo Feature:
Structure Height: 140 ft	Base Elevation: 0.00 ft	Structure Type: Taper
Base Diameter: 47.13 in	Base Rotation: 0°	Taper: 0.2000 (in/ft)

POLE SECTION PROPERTIES

Section	Length (ft)	Flat Diameter (in)		Thick (in)	Joint Type	Joint Length (in)	Pole Shape	Yield Strength (ksi)
		Top	Bottom					
1	51.000	36.93	47.13	0.500		0.000	18 Sides	65
2	51.000	28.68	38.88	0.500	Slip Joint	57.000	18 Sides	65
3	46.500	20.50	29.80	0.188	Slip Joint	45.000	18 Sides	65



DISCRETE APPURTENANCE

LINEAR APPURTENANCE

Elev (ft)	Description	Elev To (ft)	Description
147.0	(3) dbSpectra DS7C09P36U-D	147.0	(3) 1 5/8" Coax
144.2	(1) Generic 12' Omni	142.6	(4) 7/8" Coax
144.2	(1) Generic 12' Omni	142.6	(2) 3/8" Coax
144.1	(1) RFS SC3-W100AB	142.6	(3) 1 5/8" Coax
143.5	(2) Generic 8' Omni	140.0	(1) EW90
143.3	(1) Generic 6' FM antenna	140.0	(1) 1/2" Coax
141.0	(1) Generic 12' Dipole	132.6	(1) 5/8" Hybriflex
140.0	(1) TX RX Systems 432F-83W-01-C-11	132.6	(1) 1/2" Coax
138.0	(1) Generic 6' Omni	132.0	(4) 1.99" (50.7mm) Hybrid
138.0	(1) Generic Flat Platform with Han	131.9	(3) 1 1/4" Hybriflex Cable
133.6	(3) Alcatel-Lucent TD-RRHx20-25 w	121.0	(1) 1/2" Coax
133.4	(3) RFS APXV9TM14-ALU-I20*	121.0	(2) 1 1/4" Coax
132.9	(3) Alcatel-Lucent 4x40W RRH (91 I	115.6	(2) 1/2" Coax
132.8	(3) Alcatel-Lucent 800 MHz 2X50W R	115.1	(1) 1 5/8" Hybriflex
132.6	(3) RFS APXVSP18-C-A20	110.0	(12) 1 5/8" Coax
132.0	(3) Ericsson 4460 BAND 2/25	110.0	(1) 1 1/4" Hybriflex Cable
132.0	(3) Ericsson 4480 BAND 71	103.6	(1) 2" conduit
132.0	(3) Ericsson AIR 6419 B41	103.6	(2) 0.78" (19.7mm) 8 AWG 6
132.0	(3) Commscope VV-65A-R1	103.6	(1) 0.39" (10mm) Fiber Trunk
132.0	(3) RFS APXVAALL24 43-U-NA20	100.0	(1) 3/8" (0.38"- 9.5mm) RET Control Cabl
132.0	(1) Site Pro 1 RMQP-496-HK	100.0	(1) 3/8" (0.38"- 9.5mm) RET Control Cabl
126.0	(1) Generic 9' Omni	100.0	(3) 2" conduit
121.0	(1) Andrew DB586	100.0	(12) 1 5/8" Coax
120.0	(1) Generic Flat Low Profile Platf	100.0	(6) 1 5/8" Coax
116.2	(2) Diamond X50A	100.0	(4) 0.92" (23.4mm) Cable
115.0	(1) RFS DB-C1-12C-24AB-0Z	100.0	(2) 0.78" (19.7mm) 8 AWG 6
110.0	(3) Commscope CBC78T-DS-43-2X	100.0	(3) 0.40" (10.3mm) Fiber
110.0	(6) Kaelus KA-6030	100.0	(1) 1" (25.4mm) Hybrid
110.0	(3) Samsung XXDWMM-12.5-65-8T-CBRS	87.4	(2) 1 1/4" Hybriflex Cable
110.0	(3) Samsung B5/B13 RRH-BR04C	77.0	(1) 1.75" (44.5mm) Hybrid
110.0	(3) Samsung B2/B66A RRH-BR049		
110.0	(3) Samsung MT6407-77A		
110.0	(3) Antel BXA-70080/6CF		
110.0	(6) Commscope JAHH-65B-R3B		
110.0	(1) Generic Round Low Profile Plat		
103.8	(3) Ericsson RRUS 32 B2		
103.6	(1) Raycap DC6-48-60-18-8F ("Squid		
102.2	(3) Ericsson RRUS-11 (50 lbs.)		
102.0	(3) Ericsson Air 6449 B77D		
100.8	(3) CCI HPA-65R-BUU-H6		
100.3	(6) Powerwave Allgon 7770.00		
100.0	(1) Raycap DC6-48-60-18-8F ("Squid		
100.0	(3) Ericsson RRUS 4426 B66		
100.0	(3) Ericsson RRUS 4449 B5, B12		
100.0	(3) Ericsson RRUS 4478 B14		
100.0	(3) Ericsson RRUS 32 B2		
100.0	(2) Raycap DC9-48-60-24-8C-EV		
100.0	(3) CCI TPA-65R-BU6DA-K		
100.0	(3) CCI DMP65R-BU8D		
100.0	(1) Generic Flat Low Profile Platf		
98.6	(12) Powerwave Allgon LGP21401		
98.0	(3) Ericsson AIR 6419 B77G		
77.0	(1) Raycap RDIDC-9181-PF-48		
77.0	(3) Fujitsu TA08025-B604		
77.0	(3) Fujitsu TA08025-B605		
77.0	(3) JMA Wireless MX08FRO665-21		
77.0	(1) Generic Flat Platform with Han		

GLOBAL BASE REACTIONS

Load Case	Moment (kip-ft)	Axial (kip)	Shear (kip)
1.2D + 1.0W	3145.67	60.89	29.49
0.9D + 1.0W	3097.58	45.66	29.46
1.2D + 1.0Di + 1.0Wi	826.81	78.83	7.72
1.2D + 1.0Ev + 1.0Eh	175.62	61.39	1.53
0.9D - 1.0Ev + 1.0Eh	171.98	41.88	1.53
1.0D + 1.0W	721.06	50.79	6.82

DISH SERVICEABILITY

Load Case	Elevation (ft)	Deflection (in)	Rotation (°)
1.0D + 1.0W	140.00	21.036	1.354

ANALYSIS PARAMETERS

Location:	Fairfield County,CT	Height:	140 ft
Type and Shape:	Taper, 18 Sides	Base Diameter:	47.13 in
Manufacturer:	PennSummit	Top Diameter:	20.50 in
K_d (non-service):	0.95	Taper:	0.2000 in/ft
K_e:	0.99	Rotation:	0.000°

ICE & WIND PARAMETERS

Risk Category:	II	Design Wind Speed:	118 mph
Exposure Category:	B	Design Wind Speed w/ Ice:	50 mph
Topo Factor Procedure:	Method 1	Design Ice Thickness:	1.00 in
Topographic Category:	1	Service Wind Speed:	60 mph
Crest Height:	0 ft	HMSL:	250.00 ft

SEISMIC PARAMETERS

Analysis Method:	Equivalent Lateral Force Method		
Site Class:	D - Stiff Soil	Period Based on Rayleigh Method (sec):	2.52
T_L (sec):	6	P:	1
S_s:	0.227	S₁:	0.056
F_a:	1.600	F_v:	2.400
S_{ds}:	0.242	S_{d1}:	0.090
		C_s:	0.030
		C_s Max:	0.030
		C_s Min:	0.030

LOAD CASES

1.2D + 1.0W	118 mph Wind with No Ice
0.9D + 1.0W	118 mph Wind with No Ice (Reduced DL)
1.2D + 1.0Di + 1.0Wi	50 mph Wind with 1" Radial Ice
1.2D + 1.0Ev + 1.0Eh	Seismic
0.9D - 1.0Ev + 1.0Eh	Seismic (Reduced DL)
1.0D + 1.0W	60 mph Wind with No Ice

SHAFT SECTION PROPERTIES

Section	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Joint Len (in)	Weight (lb)	Bottom						Top							
							Dia (in)	Elev (ft)	Area (in ²)	Ix (in ⁴)	W/t Ratio	D/t Ratio	Dia (in)	Elev (ft)	Area (in ²)	Ix (in ⁴)	W/t Ratio	D/t Ratio	Taper (in/ft)	
1-18	51.00	0.5000	65		0.00	11,437	47.13	0.000	74.00	20,328.7	14.86	94.26	36.93	51.00	57.81	9,692.3	11.26	73.86	0.2000	
2-18	51.00	0.5000	65	Slip	57.00	9,165	38.88	46.250	60.90	11,333.7	11.95	77.76	28.68	97.25	44.71	4,485.1	8.35	57.35	0.2000	
3-18	46.50	0.1875	65	Slip	45.00	2,351	29.80	93.500	17.62	1,952.7	26.26	158.94	20.50	140.00	12.09	630.1	17.52	109.33	0.2000	
Total Shaft Weight						22,953														

DISCRETE APPURTENANCE PROPERTIES

Attach Elev (ft)	Description	Qty	Ka	Vert Ecc (ft)	No Ice			Ice		
					Weight (lb)	EPAA (sf)	Orientation Factor	Weight (lb)	EPAA (sf)	Orientation Factor
147.00	dbSpectra DS7C09P36U-D	3	1.00	0.000	70.00	3.550	1.00	130.81	6.896	1.00
144.20	Generic 12' Omni	1	1.00	0.000	40.00	3.600	1.00	100.19	6.448	1.00
144.20	Generic 12' Omni	1	1.00	0.000	40.00	3.600	1.00	100.19	6.448	1.00
144.10	RFS SC3-W100AB	1	0.75	0.000	40.00	10.737	1.00	223.95	12.007	1.00
143.50	Generic 8' Omni	2	1.00	0.000	25.00	2.400	1.00	65.44	4.221	1.00
143.30	Generic 6' FM antenna	1	0.75	0.000	30.00	13.450	1.00	481.31	16.500	1.00
141.00	Generic 12' Dipole	1	1.00	0.000	40.00	4.510	1.00	128.40	9.255	1.00
140.00	TX RX Systems 432F-83W-01-C-11	1	0.75	0.000	18.00	1.500	1.00	49.28	2.039	1.00
138.00	Generic Flat Platform with Han	1	1.00	0.000	2500.00	42.400	1.00	3675.61	56.279	1.00
138.00	Generic 6' Omni	1	1.00	0.000	25.00	1.760	1.00	55.51	2.592	1.00
133.60	Alcatel-Lucent TD-RRH8x20-25 w	3	0.75	0.000	70.00	4.046	0.61	132.40	4.923	0.61
133.40	RFS APXV9TM14-ALU-i20*	3	0.75	0.000	55.10	6.342	0.66	145.99	7.780	0.66
132.90	Alcatel-Lucent 4x40W RRH (91 I	3	0.75	0.000	91.00	3.287	0.72	163.26	4.074	0.72
132.80	Alcatel-Lucent 800 MHz 2X50W R	3	0.75	0.000	64.00	2.058	0.67	114.84	2.690	0.67
132.60	RFS APXVSP18-C-A20	3	0.75	0.000	57.00	8.024	0.69	170.80	9.864	0.69
132.00	Commscope VV-65A-R1	3	0.75	0.000	23.80	5.928	0.63	101.19	7.324	0.63
132.00	Ericsson AIR 6419 B41	3	0.75	0.000	68.50	5.600	0.63	148.13	6.644	0.63
132.00	RFS APXVAALL24 43-U-NA20	3	0.75	0.000	122.80	20.243	0.63	379.50	22.687	0.63
132.00	Site Pro 1 RMQP-496-HK	1	1.00	0.000	1799.00	35.860	1.00	2707.57	51.830	1.00
132.00	Ericsson 4480 BAND 71	3	0.75	0.000	81.00	2.878	0.67	131.17	3.618	0.67
132.00	Ericsson 4460 BAND 2/25	3	0.75	0.000	109.00	2.564	0.67	167.25	3.259	0.67
126.00	Generic 9' Omni	1	1.00	0.000	25.00	2.700	1.00	69.92	4.833	1.00
121.00	Andrew DB586	1	1.00	0.000	8.30	0.740	1.00	12.08	1.077	1.00
120.00	Generic Flat Low Profile Platf	1	1.00	0.000	1875.00	26.100	1.00	2403.23	38.553	1.00
116.20	Diamond X50A	2	1.00	0.000	2.30	1.120	1.00	3.24	2.284	1.00
115.00	RFS DB-C1-12C-24AB-0Z	1	0.80	0.000	32.00	4.056	1.00	114.49	4.942	1.00
110.00	Generic Round Low Profile Plat	1	1.00	0.000	1875.00	21.700	1.00	2398.29	34.105	1.00
110.00	Antel BXA-70080/6CF__	3	0.80	0.000	18.00	5.836	0.72	99.20	7.373	0.72
110.00	Samsung MT6407-77A	3	0.80	0.000	81.60	4.709	0.61	147.46	5.690	0.61
110.00	Samsung B5/B13 RRH-BR04C	3	0.80	0.000	70.30	1.875	0.50	107.26	2.458	0.50
110.00	Samsung B2/B66A RRH-BR049	3	0.80	0.000	84.40	1.875	0.50	125.62	2.458	0.50
110.00	Samsung XXDWMM-12.5-65-8T-CBRS	3	0.80	0.000	23.10	1.539	0.50	49.91	2.077	0.50
110.00	Kaelus KA-6030	6	0.80	0.000	17.60	0.963	0.50	32.83	1.385	0.50
110.00	Commscope CBC78T-DS-43-2X	3	0.80	0.000	20.70	0.552	0.50	34.98	0.880	0.50
110.00	Commscope JAHH-65B-R3B	6	0.80	0.000	60.60	9.113	0.69	191.32	10.906	0.69
103.80	Ericsson RRUS 32 B2	3	0.80	0.000	53.00	2.743	0.50	100.35	3.496	0.50
103.60	Raycap DC6-48-60-18-8F ("Squid	1	0.80	0.000	18.90	1.470	1.00	58.60	1.919	1.00
102.20	Ericsson RRUS-11 (50 lbs.)	3	0.80	0.000	50.00	2.566	0.50	93.82	3.239	0.50
102.00	Ericsson Air 6449 B77D	3	0.80	0.000	81.60	4.028	0.65	147.66	4.911	0.65
100.80	CCI HPA-65R-BUU-H6	3	0.80	0.000	51.00	9.658	0.69	191.82	11.437	0.69
100.30	Powerwave Allgon 7770.00	6	0.80	0.000	35.00	5.508	0.65	107.93	6.872	0.65
100.00	Raycap DC9-48-60-24-8C-EV	2	0.80	0.000	16.00	4.788	0.50	98.76	5.731	0.50
100.00	CCI TPA-65R-BU6DA-K	3	0.80	0.000	69.00	12.709	0.60	234.13	14.497	0.60
100.00	CCI DMP65R-BU8D	3	0.80	0.000	95.70	17.871	0.63	313.58	20.233	0.63
100.00	Generic Flat Low Profile Platf	1	1.00	0.000	1875.00	26.100	1.00	2394.15	38.339	1.00
100.00	Ericsson RRUS 32 B2	3	0.80	0.000	53.00	2.743	0.50	100.15	3.493	0.50
100.00	Raycap DC6-48-60-18-8F ("Squid	1	0.80	0.000	18.90	1.470	1.00	58.46	1.918	1.00
100.00	Ericsson RRUS 4426 B66	3	0.80	0.000	48.40	1.650	0.50	77.02	2.195	0.50
100.00	Ericsson RRUS 4449 B5, B12	3	0.80	0.000	71.00	1.969	0.50	112.31	2.567	0.50
100.00	Ericsson RRUS 4478 B14	3	0.80	0.000	59.40	2.021	0.50	98.74	2.626	0.50

DISCRETE APPURTENANCE PROPERTIES

Attach Elev (ft)	Description	Qty	Ka	Vert Ecc (ft)	No Ice			Ice		
					Weight (lb)	EPAA (sf)	Orientation Factor	Weight (lb)	EPAA (sf)	Orientation Factor
98.60	Powerwave Allgon LGP21401	12	0.75	0.000	14.10	1.104	0.50	30.08	1.561	0.50
98.00	Ericsson AIR 6419 B77G	3	0.75	0.000	66.10	3.797	0.65	128.19	4.640	0.65
77.00	Fujitsu TA08025-B605	3	0.75	0.000	75.00	1.962	0.50	114.10	2.536	0.50
77.00	Fujitsu TA08025-B604	3	0.75	0.000	63.90	1.962	0.50	100.30	2.536	0.50
77.00	JMA Wireless MX08FRO665-21	3	0.75	0.000	64.50	12.489	0.64	224.92	14.243	0.64
77.00	Generic Flat Platform with Han	1	1.00	0.000	2500.00	42.400	1.00	3608.74	55.489	1.00
77.00	Raycap RDIDC-9181-PF-48	1	0.75	0.000	21.90	1.867	1.00	57.34	2.429	1.00
Totals	Row Count: 57	148			19,752.70			34,546.21		

LINEAR APPURTENANCE PROPERTIES

Load Case Azimuth (deg): 0.00

Elev From (ft)	Elev To (ft)	Qty	Description	Diameter (in)	Weight (lb/ft)	Flat	Max/Row	Distance Between Rows (in)	Distance Between Cols (in)	Azimuth (deg)	Distance From Face (in)	Exposed To Wind	Carrier
0.00	147.00	3	1 5/8" Coax	1.98	0.82	N	0	0	0	0	0	N	TOWN OF WESTPORT
0.00	142.60	4	7/8" Coax	1.09	0.33	N	0	0	0	0	0	N	TOWN OF WESTPORT
0.00	142.60	3	1 5/8" Coax	1.98	0.82	N	0	0	0	0	0	N	TOWN OF WESTPORT
0.00	142.60	2	3/8" Coax	0.44	0.08	N	0	0	0	0	0	N	TOWN OF WESTPORT
0.00	140.00	1	1/2" Coax	0.63	0.15	N	0	0	0	0	0	N	TOWN OF WESTPORT
0.00	140.00	1	EW90	1.32	0.32	N	0	0	0	0	0	N	TOWN OF WESTPORT
0.00	132.60	1	5/8" Hybriflex	0.84	0.7	N	0	0	0	0	0	N	SPRINT NEXTEL
0.00	132.60	1	1/2" Coax	0.63	0.15	N	0	0	0	0	0	N	SPRINT NEXTEL
0.00	132.00	4	1.99" (50.7mm) Hybrid	1.99	1.9	N	0	0	0	0	0	N	T-MOBILE
0.00	131.90	3	1 1/4" Hybriflex Cabl	1.54	1	N	0	0	0	0	0	N	SPRINT NEXTEL
0.00	121.00	2	1 1/4" Coax	1.55	0.63	N	0	0	0	0	0	N	EVERSOURCE ENERGY
0.00	121.00	1	1/2" Coax	0.63	0.15	N	0	0	0	0	0	N	EVERSOURCE ENERGY
0.00	115.60	2	1/2" Coax	0.63	0.15	N	0	0	0	0	0	N	SENET, INC.
0.00	115.10	1	1 5/8" Hybriflex	1.98	1.3	N	0	0	0	0	0	N	VERIZON WIRELESS
0.00	110.00	12	1 5/8" Coax	1.98	0.82	N	0	0	0	0	0	N	VERIZON WIRELESS
0.00	110.00	1	1 1/4" Hybriflex Cabl	1.54	1	N	0	0	0	0	0	N	VERIZON WIRELESS
0.00	103.60	2	0.78" (19.7mm) 8 AWG	0.78	0.59	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	103.60	1	2" conduit	2.38	3.65	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	103.60	1	0.39" (10mm) Fiber Tr	0.39	0.06	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	100.00	12	1 5/8" Coax	1.98	0.82	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	100.00	6	1 5/8" Coax	1.98	0.82	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	100.00	4	0.92" (23.4mm) Cable	0.92	0.89	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	100.00	3	2" conduit	2.38	3.65	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	100.00	3	0.40" (10.3mm) Fiber	0.4	0.09	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	100.00	2	0.78" (19.7mm) 8 AWG	0.78	0.59	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	100.00	1	3/8" (0.38"- 9.5mm) R	0.38	0.23	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	100.00	1	3/8" (0.38"- 9.5mm) R	0.38	0.23	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	87.40	2	1 1/4" Hybriflex Cabl	1.54	1	N	0	0	0	0	0	N	T-MOBILE
0.00	87.40	1	1" (25.4mm) Hybrid	1	0.65	N	0	0	0	0	0	N	T-MOBILE
0.00	77.00	1	1.75" (44.5mm) Hybrid	1.75	2.72	N	1	1	1	90	1	Y	DISH WIRELESS L.L.C.

SEGMENT PROPERTIES

Seg Top Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in ²)	Ix (in ⁴)	W/t Ratio	D/t Ratio	F'y (ksi)	S (in ³)	Z (in ³)	Weight (lb)
0.00		0.5000	47.130	73.999	20,328.70	14.86	94.26	82.6	849.6	0.0	0.0
5.00		0.5000	46.130	72.412	19,048.50	14.50	92.26	82.6	813.3	0.0	1,245.5
10.00		0.5000	45.130	70.825	17,823.20	14.15	90.26	82.6	777.9	0.0	1,218.5
15.00		0.5000	44.129	69.237	16,651.50	13.80	88.26	82.6	743.2	0.0	1,191.5
20.00		0.5000	43.129	67.650	15,532.40	13.45	86.26	82.6	709.3	0.0	1,164.5
25.00		0.5000	42.129	66.063	14,464.60	13.09	84.26	82.6	676.2	0.0	1,137.5
30.00		0.5000	41.129	64.476	13,446.80	12.74	82.26	82.6	644.0	0.0	1,110.5
35.00		0.5000	40.129	62.889	12,478.00	12.39	80.26	82.6	612.5	0.0	1,083.5
40.00		0.5000	39.129	61.301	11,556.90	12.04	78.26	82.6	581.7	0.0	1,056.5
45.00		0.5000	38.128	59.714	10,682.20	11.68	76.26	82.6	551.8	0.0	1,029.5
46.25	Bot - Section 2	0.5000	37.878	59.317	10,470.70	11.59	75.76	82.6	544.5	0.0	253.1

SEGMENT PROPERTIES

Seg Top Elev (ft)	Description	(Max Length: 5 ft)	Thick (in)	Flat Dia (in)	Area (in ²)	Ix (in ⁴)	W/t Ratio	D/t Ratio	Fy (ksi)	S (in ³)	Z (in ³)	Weight (lb)
50.00			0.5000	37.128	58.127	9,852.80	11.33	74.26	82.6	522.7	0.0	1,518.9
51.00	Top - Section 1		0.5000	37.928	59.396	10,512.60	11.61	75.86	82.6	545.9	0.0	399.9
55.00			0.5000	37.128	58.127	9,852.70	11.33	74.26	82.6	522.7	0.0	799.8
60.00			0.5000	36.128	56.539	9,067.40	10.98	72.26	82.6	494.3	0.0	975.5
65.00			0.5000	35.128	54.952	8,325.00	10.62	70.26	82.6	466.8	0.0	948.5
70.00			0.5000	34.127	53.365	7,624.30	10.27	68.25	82.6	440.0	0.0	921.4
75.00			0.5000	33.127	51.778	6,964.00	9.92	66.25	82.6	414.1	0.0	894.4
77.00			0.5000	32.727	51.143	6,711.00	9.78	65.45	82.6	403.9	0.0	350.2
80.00			0.5000	32.127	50.190	6,343.00	9.57	64.25	82.6	388.9	0.0	517.2
85.00			0.5000	31.127	48.603	5,760.00	9.21	62.25	82.6	364.5	0.0	840.4
90.00			0.5000	30.127	47.016	5,214.00	8.86	60.25	82.6	340.9	0.0	813.4
93.50	Bot - Section 3		0.5000	29.427	45.905	4,853.00	8.61	58.85	82.6	324.8	0.0	553.3
95.00			0.5000	29.127	45.429	4,703.50	8.51	58.25	82.6	318.1	0.0	322.6
97.25	Top - Section 2		0.1875	29.052	17.177	1,808.10	25.56	154.94	71.3	122.6	0.0	477.6
98.00			0.1875	28.901	17.088	1,780.00	25.42	154.14	71.5	121.3	0.0	43.7
98.60			0.1875	28.781	17.016	1,757.80	25.30	153.50	71.6	120.3	0.0	34.8
100.00			0.1875	28.501	16.850	1,706.70	25.04	152.01	71.9	117.9	0.0	80.7
100.30			0.1875	28.441	16.814	1,695.80	24.98	151.69	72	117.4	0.0	17.2
100.80			0.1875	28.341	16.754	1,677.90	24.89	151.15	72.1	116.6	0.0	28.6
102.00			0.1875	28.101	16.612	1,635.30	24.66	149.87	72.4	114.6	0.0	68.1
102.20			0.1875	28.061	16.588	1,628.30	24.63	149.66	72.4	114.3	0.0	11.3
103.60			0.1875	27.781	16.421	1,579.70	24.36	148.17	72.7	112.0	0.0	78.6
103.80			0.1875	27.741	16.397	1,572.90	24.32	147.95	72.8	111.7	0.0	11.2
105.00			0.1875	27.501	16.255	1,532.10	24.10	146.67	73.1	109.7	0.0	66.7
110.00			0.1875	26.501	15.659	1,369.90	23.16	141.34	74.2	101.8	0.0	271.5
115.00			0.1875	25.501	15.064	1,219.50	22.22	136.00	75.3	94.2	0.0	261.4
116.20			0.1875	25.261	14.921	1,185.20	21.99	134.72	75.5	92.4	0.0	61.2
120.00			0.1875	24.501	14.469	1,080.60	21.28	130.67	76.4	86.9	0.0	190.0
121.00			0.1875	24.301	14.350	1,054.20	21.09	129.60	76.6	85.4	0.0	49.0
125.00			0.1875	23.501	13.874	952.70	20.34	125.34	77.5	79.8	0.0	192.1
126.00			0.1875	23.300	13.755	928.40	20.15	124.27	77.7	78.5	0.0	47.0
130.00			0.1875	22.500	13.278	835.20	19.40	120.00	78.6	73.1	0.0	184.0
132.00			0.1875	22.100	13.040	791.10	19.02	117.87	79	70.5	0.0	89.6
132.60			0.1875	21.980	12.969	778.20	18.91	117.23	79.2	69.7	0.0	26.6
132.80			0.1875	21.940	12.945	773.90	18.87	117.01	79.2	69.5	0.0	8.8
132.90			0.1875	21.920	12.933	771.80	18.85	116.91	79.2	69.3	0.0	4.4
133.40			0.1875	21.820	12.874	761.20	18.76	116.37	79.3	68.7	0.0	22.0
133.60			0.1875	21.780	12.850	757.00	18.72	116.16	79.4	68.5	0.0	8.8
135.00			0.1875	21.500	12.683	727.90	18.46	114.67	79.7	66.7	0.0	60.8
138.00			0.1875	20.900	12.326	668.10	17.89	111.47	80.4	63.0	0.0	127.7
140.00			0.1875	20.500	12.088	630.10	17.52	109.33	80.8	60.5	0.0	83.1
Total:											22,952.6	

CALCULATED FORCES

Load Case: 1.2D + 1.0W			118 mph Wind with No Ice									27 Iterations	
Gust Response Factor:		1.10											
Dead load Factor:		1.20											
Wind Load Factor:		1.00											
Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (ft-kips)	Phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-60.89	-29.49	0.00	-3,145.7	0.00	3,145.67	5,497.77	1,298.68	5,470.20	5,259.85	0	0	0.610
5.00	-58.85	-29.34	0.00	-2,998.2	0.00	2,998.21	5,379.84	1,270.83	5,238.09	5,035.45	0.12	-0.21	0.607
10.00	-56.83	-29.19	0.00	-2,851.5	0.00	2,851.49	5,261.92	1,242.97	5,011.02	4,815.96	0.46	-0.43	0.603
15.00	-54.85	-29.04	0.00	-2,705.5	0.00	2,705.53	5,144.00	1,215.12	4,788.97	4,601.35	1.03	-0.66	0.599
20.00	-52.90	-28.88	0.00	-2,560.4	0.00	2,560.36	5,026.07	1,187.26	4,571.96	4,391.63	1.84	-0.88	0.594
25.00	-50.99	-28.71	0.00	-2,416.0	0.00	2,415.98	4,908.15	1,159.41	4,359.97	4,186.81	2.88	-1.11	0.588
30.00	-49.11	-28.54	0.00	-2,272.4	0.00	2,272.41	4,790.23	1,131.55	4,153.02	3,986.88	4.16	-1.34	0.581
35.00	-47.26	-28.36	0.00	-2,129.7	0.00	2,129.71	4,672.31	1,103.69	3,951.10	3,791.84	5.69	-1.57	0.572
40.00	-45.45	-28.15	0.00	-1,987.9	0.00	1,987.93	4,554.38	1,075.84	3,754.22	3,601.69	7.46	-1.81	0.563
45.00	-43.71	-28.00	0.00	-1,847.2	0.00	1,847.16	4,436.46	1,047.98	3,562.36	3,416.43	9.48	-2.04	0.551
46.25	-43.24	-27.90	0.00	-1,812.2	0.00	1,812.17	4,406.98	1,041.02	3,515.18	3,370.88	10.02	-2.1	0.548

CALCULATED FORCES

50.00	-41.04	-27.73	0.00	-1,707.6	0.00	1,707.55	4,318.54	1,020.13	3,375.54	3,236.07	11.75	-2.28	0.538
51.00	-40.42	-27.62	0.00	-1,679.8	0.00	1,679.82	4,412.85	1,042.41	3,524.56	3,379.93	12.23	-2.33	0.507
55.00	-39.02	-27.38	0.00	-1,569.4	0.00	1,569.36	4,318.52	1,020.12	3,375.50	3,236.03	14.26	-2.52	0.495
60.00	-37.33	-27.10	0.00	-1,432.4	0.00	1,432.45	4,200.59	992.27	3,193.71	3,060.56	17.02	-2.74	0.478
65.00	-35.67	-26.80	0.00	-1,297.0	0.00	1,296.96	4,082.67	964.41	3,016.95	2,889.98	20	-2.95	0.458
70.00	-34.05	-26.50	0.00	-1,163.0	0.00	1,162.95	3,964.75	936.55	2,845.22	2,724.29	23.21	-3.16	0.436
75.00	-32.48	-26.25	0.00	-1,030.5	0.00	1,030.46	3,846.82	908.70	2,678.53	2,563.49	26.63	-3.37	0.411
77.00	-28.24	-23.63	0.00	-978.0	0.00	977.97	3,799.65	897.56	2,613.26	2,500.54	28.06	-3.45	0.399
80.00	-27.31	-23.38	0.00	-907.1	0.00	907.07	3,728.90	880.84	2,516.86	2,407.59	30.26	-3.57	0.385
85.00	-25.83	-23.04	0.00	-790.2	0.00	790.15	3,610.98	852.99	2,360.23	2,256.57	34.1	-3.76	0.358
90.00	-24.40	-22.73	0.00	-675.0	0.00	674.95	3,493.05	825.13	2,208.63	2,110.45	38.14	-3.94	0.328
93.50	-23.43	-22.54	0.00	-595.4	0.00	595.39	3,410.51	805.63	2,105.50	2,011.07	41.07	-4.06	0.304
95.00	-22.91	-22.40	0.00	-561.6	0.00	561.58	3,375.13	797.28	2,062.06	1,969.22	42.35	-4.11	0.293
97.25	-22.14	-22.27	0.00	-511.2	0.00	511.17	1,102.89	301.46	785.89	655.89	44.31	-4.19	0.805
98.00	-21.79	-22.01	0.00	-494.5	0.00	494.47	1,099.71	299.89	777.74	650.58	44.97	-4.21	0.785
98.60	-21.49	-21.78	0.00	-481.3	0.00	481.26	1,097.14	298.64	771.26	646.33	45.5	-4.26	0.770
100.00	-17.77	-18.30	0.00	-450.8	0.00	450.78	1,091.10	295.71	756.22	636.43	46.76	-4.36	0.728
100.30	-17.52	-17.63	0.00	-445.3	0.00	445.29	1,089.79	295.09	753.02	634.31	47.04	-4.38	0.722
100.80	-17.32	-17.00	0.00	-436.5	0.00	436.47	1,087.60	294.04	747.70	630.78	47.5	-4.42	0.711
102.00	-16.90	-16.70	0.00	-416.1	0.00	416.08	1,082.30	291.53	735.01	622.32	48.62	-4.51	0.687
102.20	-16.69	-16.54	0.00	-412.7	0.00	412.73	1,081.40	291.12	732.90	620.91	48.81	-4.52	0.683
103.60	-16.50	-16.45	0.00	-389.6	0.00	389.58	1,075.12	288.19	718.25	611.05	50.15	-4.62	0.656
103.80	-16.29	-16.28	0.00	-386.3	0.00	386.29	1,074.21	287.77	716.17	609.65	50.34	-4.63	0.652
105.00	-16.13	-16.13	0.00	-366.8	0.00	366.75	1,068.74	285.27	703.75	601.22	51.52	-4.72	0.628
110.00	-11.95	-12.59	0.00	-286.1	0.00	286.08	1,045.19	274.82	653.15	566.30	56.62	-5.02	0.519
115.00	-11.47	-12.27	0.00	-223.1	0.00	223.12	1,020.46	264.37	604.45	531.74	62.02	-5.28	0.433
116.20	-11.36	-12.05	0.00	-208.4	0.00	208.39	1,014.35	261.87	593.04	523.50	63.35	-5.34	0.411
120.00	-8.89	-10.69	0.00	-162.6	0.00	162.58	994.55	253.93	557.63	497.61	67.67	-5.51	0.337
121.00	-8.80	-10.52	0.00	-151.9	0.00	151.90	989.22	251.84	548.50	490.84	68.83	-5.55	0.320
125.00	-8.48	-10.36	0.00	-109.8	0.00	109.81	967.45	243.48	512.70	463.98	73.54	-5.7	0.247
126.00	-8.38	-10.12	0.00	-99.4	0.00	99.44	961.89	241.39	503.94	457.32	74.74	-5.73	0.228
130.00	-8.08	-9.93	0.00	-59.0	0.00	58.97	939.16	233.04	469.66	430.94	79.57	-5.82	0.147
132.00	-4.70	-5.98	0.00	-39.1	0.00	39.11	927.52	228.86	452.97	417.90	82.02	-5.86	0.099
132.60	-4.51	-5.44	0.00	-35.5	0.00	35.52	923.99	227.61	448.02	414.01	82.75	-5.87	0.091
132.80	-4.28	-5.29	0.00	-34.4	0.00	34.43	922.81	227.19	446.38	412.72	83	-5.87	0.089
132.90	-3.97	-5.03	0.00	-33.9	0.00	33.90	922.22	226.98	445.56	412.07	83.12	-5.87	0.087
133.40	-3.78	-4.62	0.00	-31.4	0.00	31.39	919.25	225.93	441.47	408.84	83.73	-5.88	0.081
133.60	-3.54	-4.33	0.00	-30.5	0.00	30.47	918.06	225.52	439.84	407.55	83.98	-5.88	0.079
135.00	-3.47	-4.21	0.00	-24.4	0.00	24.41	909.69	222.59	428.50	398.55	85.7	-5.89	0.065
138.00	-0.48	-1.99	0.00	-11.8	0.00	11.79	891.44	216.32	404.72	379.46	89.41	-5.91	0.032
140.00	0.00	-1.93	0.00	-7.8	0.00	7.80	879.04	212.15	389.23	366.89	91.88	-5.92	0.021

CALCULATED FORCES

Load Case: 0.9D + 1.0W

118 mph Wind with No Ice (Reduced DL)

26 Iterations

Gust Response Factor: 1.10
 Dead load Factor: 0.90
 Wind Load Factor: 1.00

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (ft-kips)	Phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-45.66	-29.46	0.00	-3,097.6	0.00	3,097.58	5,497.77	1,298.68	5,470.20	5,259.85	0	0	0.598
5.00	-44.10	-29.26	0.00	-2,950.3	0.00	2,950.28	5,379.84	1,270.83	5,238.09	5,035.45	0.11	-0.21	0.595
10.00	-42.56	-29.05	0.00	-2,804.0	0.00	2,804.00	5,261.92	1,242.97	5,011.02	4,815.96	0.45	-0.43	0.591
15.00	-41.05	-28.84	0.00	-2,658.8	0.00	2,658.77	5,144.00	1,215.12	4,788.97	4,601.35	1.01	-0.64	0.586
20.00	-39.57	-28.63	0.00	-2,514.6	0.00	2,514.57	5,026.07	1,187.26	4,571.96	4,391.63	1.81	-0.87	0.581
25.00	-38.10	-28.42	0.00	-2,371.4	0.00	2,371.41	4,908.15	1,159.41	4,359.97	4,186.81	2.83	-1.09	0.575
30.00	-36.67	-28.21	0.00	-2,229.3	0.00	2,229.31	4,790.23	1,131.55	4,153.02	3,986.88	4.09	-1.32	0.567
35.00	-35.26	-27.98	0.00	-2,088.3	0.00	2,088.27	4,672.31	1,103.69	3,951.10	3,791.84	5.59	-1.54	0.559
40.00	-33.88	-27.74	0.00	-1,948.4	0.00	1,948.36	4,554.38	1,075.84	3,754.22	3,601.69	7.34	-1.77	0.549
45.00	-32.56	-27.57	0.00	-1,809.6	0.00	1,809.65	4,436.46	1,047.98	3,562.36	3,416.43	9.32	-2.01	0.538
46.25	-32.20	-27.45	0.00	-1,775.2	0.00	1,775.19	4,406.98	1,041.02	3,515.18	3,370.88	9.85	-2.06	0.535
50.00	-30.54	-27.28	0.00	-1,672.2	0.00	1,672.25	4,318.54	1,020.13	3,375.54	3,236.07	11.54	-2.24	0.525
51.00	-30.06	-27.15	0.00	-1,645.0	0.00	1,644.97	4,412.85	1,042.41	3,524.56	3,379.93	12.02	-2.29	0.494
55.00	-29.00	-26.89	0.00	-1,536.4	0.00	1,536.37	4,318.52	1,020.12	3,375.50	3,236.03	14.01	-2.48	0.482
60.00	-27.71	-26.59	0.00	-1,401.9	0.00	1,401.89	4,200.59	992.27	3,193.71	3,060.56	16.72	-2.69	0.465
65.00	-26.45	-26.28	0.00	-1,268.9	0.00	1,268.94	4,082.67	964.41	3,016.95	2,889.98	19.65	-2.9	0.446
70.00	-25.21	-25.96	0.00	-1,137.5	0.00	1,137.54	3,964.75	936.55	2,845.22	2,724.29	22.79	-3.1	0.425
75.00	-24.03	-25.72	0.00	-1,007.7	0.00	1,007.73	3,846.82	908.70	2,678.53	2,563.49	26.15	-3.3	0.400
77.00	-20.87	-23.15	0.00	-956.3	0.00	956.30	3,799.65	897.56	2,613.26	2,500.54	27.55	-3.38	0.389
80.00	-20.17	-22.90	0.00	-886.8	0.00	886.85	3,728.90	880.84	2,516.86	2,407.59	29.71	-3.5	0.374
85.00	-19.05	-22.56	0.00	-772.4	0.00	772.36	3,610.98	852.99	2,360.23	2,256.57	33.47	-3.69	0.348
90.00	-17.96	-22.25	0.00	-659.6	0.00	659.58	3,493.05	825.13	2,208.63	2,110.45	37.43	-3.86	0.318
93.50	-17.23	-22.07	0.00	-581.7	0.00	581.69	3,410.51	805.63	2,105.50	2,011.07	40.3	-3.98	0.295
95.00	-16.84	-21.94	0.00	-548.6	0.00	548.59	3,375.13	797.28	2,062.06	1,969.22	41.56	-4.03	0.284
97.25	-16.26	-21.81	0.00	-499.2	0.00	499.24	1,102.89	301.46	785.89	655.89	43.48	-4.1	0.781
98.00	-16.00	-21.56	0.00	-482.9	0.00	482.88	1,099.71	299.89	777.74	650.58	44.12	-4.13	0.762
98.60	-15.77	-21.32	0.00	-470.0	0.00	469.95	1,097.14	298.64	771.26	646.33	44.64	-4.17	0.747
100.00	-13.03	-17.91	0.00	-440.1	0.00	440.10	1,091.10	295.71	756.22	636.43	45.88	-4.27	0.707
100.30	-12.86	-17.25	0.00	-434.7	0.00	434.73	1,089.79	295.09	753.02	634.31	46.15	-4.3	0.701
100.80	-12.71	-16.61	0.00	-426.1	0.00	426.11	1,087.60	294.04	747.70	630.78	46.6	-4.33	0.690
102.00	-12.40	-16.33	0.00	-406.2	0.00	406.17	1,082.30	291.53	735.01	622.32	47.7	-4.42	0.667
102.20	-12.24	-16.16	0.00	-402.9	0.00	402.90	1,081.40	291.12	732.90	620.91	47.89	-4.43	0.663
103.60	-12.10	-16.07	0.00	-380.3	0.00	380.28	1,075.12	288.19	718.25	611.05	49.2	-4.53	0.637
103.80	-11.94	-15.90	0.00	-377.1	0.00	377.06	1,074.21	287.77	716.17	609.65	49.39	-4.54	0.633
105.00	-11.81	-15.74	0.00	-358.0	0.00	357.98	1,068.74	285.27	703.75	601.22	50.54	-4.62	0.610
110.00	-8.73	-12.28	0.00	-279.3	0.00	279.27	1,045.19	274.82	653.15	566.30	55.54	-4.92	0.503
115.00	-8.36	-11.96	0.00	-217.8	0.00	217.85	1,020.46	264.37	604.45	531.74	60.82	-5.17	0.420
116.20	-8.28	-11.74	0.00	-203.5	0.00	203.50	1,014.35	261.87	593.04	523.50	62.13	-5.23	0.399
120.00	-6.45	-10.44	0.00	-158.9	0.00	158.87	994.55	253.93	557.63	497.61	66.36	-5.4	0.327
121.00	-6.38	-10.27	0.00	-148.4	0.00	148.44	989.22	251.84	548.50	490.84	67.49	-5.44	0.311
125.00	-6.14	-10.11	0.00	-107.4	0.00	107.36	967.45	243.48	512.70	463.98	72.11	-5.58	0.239
126.00	-6.08	-9.87	0.00	-97.2	0.00	97.25	961.89	241.39	503.94	457.32	73.28	-5.61	0.221
130.00	-5.85	-9.69	0.00	-57.8	0.00	57.77	939.16	233.04	469.66	430.94	78.01	-5.7	0.142
132.00	-3.39	-5.84	0.00	-38.4	0.00	38.40	927.52	228.86	452.97	417.90	80.41	-5.74	0.096
132.60	-3.26	-5.31	0.00	-34.9	0.00	34.89	923.99	227.61	448.02	414.01	81.13	-5.74	0.088
132.80	-3.10	-5.16	0.00	-33.8	0.00	33.83	922.81	227.19	446.38	412.72	81.37	-5.75	0.086
132.90	-2.87	-4.91	0.00	-33.3	0.00	33.32	922.22	226.98	445.56	412.07	81.49	-5.75	0.084
133.40	-2.74	-4.50	0.00	-30.9	0.00	30.86	919.25	225.93	441.47	408.84	82.09	-5.75	0.079
133.60	-2.57	-4.22	0.00	-30.0	0.00	29.96	918.06	225.52	439.84	407.55	82.33	-5.76	0.077
135.00	-2.51	-4.10	0.00	-24.0	0.00	24.05	909.69	222.59	428.50	398.55	84.02	-5.77	0.063
138.00	-0.31	-1.97	0.00	-11.8	0.00	11.75	891.44	216.32	404.72	379.46	87.64	-5.79	0.031
140.00	0.00	-1.93	0.00	-7.8	0.00	7.80	879.04	212.15	389.23	366.89	90.07	-5.8	0.021

CALCULATED FORCES

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind with 1" Radial Ice 26 Iterations
 Gust Response Factor: 1.10 Ice Dead Load Factor: 1.00
 Dead load Factor: 1.20
 Wind Load Factor: 1.00 Ice Importance Factor: 1.00

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (ft-kips)	Phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-78.83	-7.72	0.00	-826.8	0.00	826.81	5,497.77	1,298.68	5,470.20	5,259.85	0	0	0.172
5.00	-76.65	-7.68	0.00	-788.2	0.00	788.23	5,379.84	1,270.83	5,238.09	5,035.45	0.03	-0.06	0.171
10.00	-74.49	-7.64	0.00	-749.8	0.00	749.84	5,261.92	1,242.97	5,011.02	4,815.96	0.12	-0.11	0.170
15.00	-72.35	-7.60	0.00	-711.6	0.00	711.65	5,144.00	1,215.12	4,788.97	4,601.35	0.27	-0.17	0.169
20.00	-70.24	-7.56	0.00	-673.6	0.00	673.64	5,026.07	1,187.26	4,571.96	4,391.63	0.48	-0.23	0.167
25.00	-68.16	-7.52	0.00	-635.8	0.00	635.85	4,908.15	1,159.41	4,359.97	4,186.81	0.76	-0.29	0.166
30.00	-66.11	-7.47	0.00	-598.2	0.00	598.25	4,790.23	1,131.55	4,153.02	3,986.88	1.1	-0.35	0.164
35.00	-64.09	-7.43	0.00	-560.9	0.00	560.88	4,672.31	1,103.69	3,951.10	3,791.84	1.5	-0.41	0.162
40.00	-62.12	-7.37	0.00	-523.8	0.00	523.75	4,554.38	1,075.84	3,754.22	3,601.69	1.96	-0.48	0.159
45.00	-60.18	-7.33	0.00	-486.9	0.00	486.88	4,436.46	1,047.98	3,562.36	3,416.43	2.49	-0.54	0.156
46.25	-59.69	-7.31	0.00	-477.7	0.00	477.72	4,406.98	1,041.02	3,515.18	3,370.88	2.64	-0.55	0.155
50.00	-57.34	-7.26	0.00	-450.3	0.00	450.33	4,318.54	1,020.13	3,375.54	3,236.07	3.09	-0.6	0.152
51.00	-56.72	-7.23	0.00	-443.1	0.00	443.07	4,412.85	1,042.41	3,524.56	3,379.93	3.22	-0.61	0.144
55.00	-55.19	-7.17	0.00	-414.2	0.00	414.15	4,318.52	1,020.12	3,375.50	3,236.03	3.75	-0.66	0.141
60.00	-53.32	-7.09	0.00	-378.3	0.00	378.32	4,200.59	992.27	3,193.71	3,060.56	4.48	-0.72	0.136
65.00	-51.49	-7.00	0.00	-342.9	0.00	342.89	4,082.67	964.41	3,016.95	2,889.98	5.27	-0.78	0.131
70.00	-49.69	-6.92	0.00	-307.9	0.00	307.88	3,964.75	936.55	2,845.22	2,724.29	6.11	-0.83	0.126
75.00	-47.93	-6.85	0.00	-273.3	0.00	273.30	3,846.82	908.70	2,678.53	2,563.49	7.01	-0.89	0.119
77.00	-42.06	-6.21	0.00	-259.6	0.00	259.60	3,799.65	897.56	2,613.26	2,500.54	7.39	-0.91	0.115
80.00	-41.05	-6.14	0.00	-241.0	0.00	240.97	3,728.90	880.84	2,516.86	2,407.59	7.97	-0.94	0.111
85.00	-39.39	-6.04	0.00	-210.3	0.00	210.27	3,610.98	852.99	2,360.23	2,256.57	8.98	-0.99	0.104
90.00	-37.78	-5.95	0.00	-180.1	0.00	180.06	3,493.05	825.13	2,208.63	2,110.45	10.05	-1.04	0.096
93.50	-36.68	-5.89	0.00	-159.2	0.00	159.24	3,410.51	805.63	2,105.50	2,011.07	10.82	-1.07	0.090
95.00	-36.10	-5.85	0.00	-150.4	0.00	150.40	3,375.13	797.28	2,062.06	1,969.22	11.16	-1.09	0.087
97.25	-35.25	-5.81	0.00	-137.2	0.00	137.23	1,102.89	301.46	785.89	655.89	11.68	-1.11	0.242
98.00	-34.72	-5.75	0.00	-132.9	0.00	132.87	1,099.71	299.89	777.74	650.58	11.85	-1.11	0.236
98.60	-34.25	-5.69	0.00	-129.4	0.00	129.42	1,097.14	298.64	771.26	646.33	11.99	-1.12	0.232
100.00	-28.44	-4.85	0.00	-121.5	0.00	121.46	1,091.10	295.71	756.22	636.43	12.33	-1.15	0.217
100.30	-27.81	-4.69	0.00	-120.0	0.00	120.00	1,089.79	295.09	753.02	634.31	12.4	-1.16	0.215
100.80	-27.22	-4.55	0.00	-117.7	0.00	117.66	1,087.60	294.04	747.70	630.78	12.52	-1.17	0.212
102.00	-26.59	-4.48	0.00	-112.2	0.00	112.20	1,082.30	291.53	735.01	622.32	12.82	-1.19	0.205
102.20	-26.28	-4.43	0.00	-111.3	0.00	111.31	1,081.40	291.12	732.90	620.91	12.87	-1.2	0.204
103.60	-26.01	-4.41	0.00	-105.1	0.00	105.10	1,075.12	288.19	718.25	611.05	13.23	-1.22	0.196
103.80	-25.68	-4.37	0.00	-104.2	0.00	104.22	1,074.21	287.77	716.17	609.65	13.28	-1.23	0.195
105.00	-25.50	-4.32	0.00	-99.0	0.00	98.98	1,068.74	285.27	703.75	601.22	13.59	-1.25	0.189
110.00	-19.21	-3.41	0.00	-77.4	0.00	77.36	1,045.19	274.82	653.15	566.30	14.94	-1.33	0.155
115.00	-18.47	-3.32	0.00	-60.3	0.00	60.31	1,020.46	264.37	604.45	531.74	16.37	-1.4	0.132
116.20	-18.32	-3.25	0.00	-56.3	0.00	56.33	1,014.35	261.87	593.04	523.50	16.73	-1.42	0.126
120.00	-15.21	-2.86	0.00	-44.0	0.00	44.00	994.55	253.93	557.63	497.61	17.88	-1.46	0.104
121.00	-15.08	-2.81	0.00	-41.1	0.00	41.13	989.22	251.84	548.50	490.84	18.18	-1.48	0.099
125.00	-14.62	-2.76	0.00	-29.9	0.00	29.88	967.45	243.48	512.70	463.98	19.44	-1.51	0.080
126.00	-14.44	-2.68	0.00	-27.1	0.00	27.12	961.89	241.39	503.94	457.32	19.76	-1.52	0.074
130.00	-14.00	-2.62	0.00	-16.4	0.00	16.39	939.16	233.04	469.66	430.94	21.04	-1.55	0.053
132.00	-8.25	-1.63	0.00	-11.1	0.00	11.14	927.52	228.86	452.97	417.90	21.69	-1.56	0.036
132.60	-7.72	-1.50	0.00	-10.2	0.00	10.16	923.99	227.61	448.02	414.01	21.89	-1.56	0.033
132.80	-7.36	-1.46	0.00	-9.9	0.00	9.86	922.81	227.19	446.38	412.72	21.96	-1.56	0.032
132.90	-6.85	-1.40	0.00	-9.7	0.00	9.72	922.22	226.98	445.56	412.07	21.99	-1.56	0.031
133.40	-6.39	-1.30	0.00	-9.0	0.00	9.02	919.25	225.93	441.47	408.84	22.15	-1.56	0.029
133.60	-5.98	-1.22	0.00	-8.8	0.00	8.76	918.06	225.52	439.84	407.55	22.22	-1.56	0.028
135.00	-5.85	-1.18	0.00	-7.0	0.00	7.05	909.69	222.59	428.50	398.55	22.68	-1.57	0.024
138.00	-1.62	-0.60	0.00	-3.5	0.00	3.50	891.44	216.32	404.72	379.46	23.66	-1.57	0.011
140.00	0.00	-0.56	0.00	-2.3	0.00	2.30	879.04	212.15	389.23	366.89	24.32	-1.58	0.006

CALCULATED FORCES

Load Case: 1.0D + 1.0W

60 mph Wind with No Ice

25 Iterations

Gust Response Factor: 1.10
 Dead load Factor: 1.00
 Wind Load Factor: 1.00

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (ft-kips)	Phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-50.79	-6.82	0.00	-721.1	0.00	721.06	5,497.77	1,298.68	5,470.20	5,259.85	0	0	0.146
5.00	-49.17	-6.77	0.00	-687.0	0.00	686.98	5,379.84	1,270.83	5,238.09	5,035.45	0.03	-0.05	0.146
10.00	-47.58	-6.73	0.00	-653.1	0.00	653.11	5,261.92	1,242.97	5,011.02	4,815.96	0.1	-0.1	0.145
15.00	-46.01	-6.69	0.00	-619.5	0.00	619.46	5,144.00	1,215.12	4,788.97	4,601.35	0.24	-0.15	0.144
20.00	-44.47	-6.64	0.00	-586.0	0.00	586.03	5,026.07	1,187.26	4,571.96	4,391.63	0.42	-0.2	0.142
25.00	-42.96	-6.60	0.00	-552.8	0.00	552.82	4,908.15	1,159.41	4,359.97	4,186.81	0.66	-0.25	0.141
30.00	-41.48	-6.55	0.00	-519.8	0.00	519.83	4,790.23	1,131.55	4,153.02	3,986.88	0.95	-0.31	0.139
35.00	-40.02	-6.50	0.00	-487.1	0.00	487.07	4,672.31	1,103.69	3,951.10	3,791.84	1.3	-0.36	0.137
40.00	-38.59	-6.45	0.00	-454.6	0.00	454.55	4,554.38	1,075.84	3,754.22	3,601.69	1.71	-0.41	0.135
45.00	-37.19	-6.41	0.00	-422.3	0.00	422.30	4,436.46	1,047.98	3,562.36	3,416.43	2.17	-0.47	0.132
46.25	-36.84	-6.39	0.00	-414.3	0.00	414.28	4,406.98	1,041.02	3,515.18	3,370.88	2.3	-0.48	0.131
50.00	-35.04	-6.35	0.00	-390.3	0.00	390.32	4,318.54	1,020.13	3,375.54	3,236.07	2.69	-0.52	0.129
51.00	-34.57	-6.32	0.00	-384.0	0.00	383.97	4,412.85	1,042.41	3,524.56	3,379.93	2.8	-0.53	0.121
55.00	-33.47	-6.26	0.00	-358.7	0.00	358.69	4,318.52	1,020.12	3,375.50	3,236.03	3.27	-0.58	0.119
60.00	-32.12	-6.20	0.00	-327.4	0.00	327.37	4,200.59	992.27	3,193.71	3,060.56	3.9	-0.63	0.115
65.00	-30.80	-6.13	0.00	-296.4	0.00	296.39	4,082.67	964.41	3,016.95	2,889.98	4.58	-0.68	0.110
70.00	-29.51	-6.06	0.00	-265.8	0.00	265.76	3,964.75	936.55	2,845.22	2,724.29	5.31	-0.72	0.105
75.00	-28.24	-6.00	0.00	-235.5	0.00	235.48	3,846.82	908.70	2,678.53	2,563.49	6.1	-0.77	0.099
77.00	-24.62	-5.40	0.00	-223.5	0.00	223.48	3,799.65	897.56	2,613.26	2,500.54	6.42	-0.79	0.096
80.00	-23.89	-5.34	0.00	-207.3	0.00	207.28	3,728.90	880.84	2,516.86	2,407.59	6.93	-0.82	0.093
85.00	-22.69	-5.27	0.00	-180.6	0.00	180.56	3,610.98	852.99	2,360.23	2,256.57	7.81	-0.86	0.086
90.00	-21.53	-5.20	0.00	-154.2	0.00	154.24	3,493.05	825.13	2,208.63	2,110.45	8.73	-0.9	0.079
93.50	-20.73	-5.15	0.00	-136.0	0.00	136.05	3,410.51	805.63	2,105.50	2,011.07	9.4	-0.93	0.074
95.00	-20.31	-5.12	0.00	-128.3	0.00	128.33	3,375.13	797.28	2,062.06	1,969.22	9.69	-0.94	0.071
97.25	-19.68	-5.09	0.00	-116.8	0.00	116.80	1,102.89	301.46	785.89	655.89	10.14	-0.96	0.196
98.00	-19.38	-5.03	0.00	-113.0	0.00	112.98	1,099.71	299.89	777.74	650.58	10.29	-0.96	0.192
98.60	-19.14	-4.98	0.00	-110.0	0.00	109.96	1,097.14	298.64	771.26	646.33	10.41	-0.97	0.188
100.00	-15.86	-4.18	0.00	-103.0	0.00	102.99	1,091.10	295.71	756.22	636.43	10.7	-1	0.177
100.30	-15.62	-4.03	0.00	-101.7	0.00	101.74	1,089.79	295.09	753.02	634.31	10.77	-1	0.175
100.80	-15.42	-3.88	0.00	-99.7	0.00	99.72	1,087.60	294.04	747.70	630.78	10.87	-1.01	0.172
102.00	-15.07	-3.82	0.00	-95.1	0.00	95.06	1,082.30	291.53	735.01	622.32	11.13	-1.03	0.167
102.20	-14.90	-3.78	0.00	-94.3	0.00	94.30	1,081.40	291.12	732.90	620.91	11.17	-1.03	0.166
103.60	-14.75	-3.76	0.00	-89.0	0.00	89.01	1,075.12	288.19	718.25	611.05	11.48	-1.06	0.160
103.80	-14.57	-3.72	0.00	-88.3	0.00	88.26	1,074.21	287.77	716.17	609.65	11.52	-1.06	0.159
105.00	-14.46	-3.68	0.00	-83.8	0.00	83.80	1,068.74	285.27	703.75	601.22	11.79	-1.08	0.153
110.00	-10.80	-2.88	0.00	-65.4	0.00	65.38	1,045.19	274.82	653.15	566.30	12.96	-1.15	0.126
115.00	-10.40	-2.80	0.00	-51.0	0.00	51.01	1,020.46	264.37	604.45	531.74	14.2	-1.21	0.106
116.20	-10.31	-2.75	0.00	-47.6	0.00	47.64	1,014.35	261.87	593.04	523.50	14.5	-1.22	0.101
120.00	-8.18	-2.44	0.00	-37.2	0.00	37.19	994.55	253.93	557.63	497.61	15.49	-1.26	0.083
121.00	-8.10	-2.41	0.00	-34.8	0.00	34.75	989.22	251.84	548.50	490.84	15.76	-1.27	0.079
125.00	-7.84	-2.37	0.00	-25.1	0.00	25.13	967.45	243.48	512.70	463.98	16.84	-1.3	0.062
126.00	-7.75	-2.31	0.00	-22.8	0.00	22.76	961.89	241.39	503.94	457.32	17.11	-1.31	0.058
130.00	-7.49	-2.27	0.00	-13.5	0.00	13.51	939.16	233.04	469.66	430.94	18.22	-1.33	0.039
132.00	-4.37	-1.37	0.00	-9.0	0.00	8.97	927.52	228.86	452.97	417.90	18.78	-1.34	0.026
132.60	-4.17	-1.24	0.00	-8.2	0.00	8.15	923.99	227.61	448.02	414.01	18.94	-1.34	0.024
132.80	-3.97	-1.21	0.00	-7.9	0.00	7.90	922.81	227.19	446.38	412.72	19	-1.34	0.023
132.90	-3.69	-1.15	0.00	-7.8	0.00	7.78	922.22	226.98	445.56	412.07	19.03	-1.34	0.023
133.40	-3.50	-1.06	0.00	-7.2	0.00	7.21	919.25	225.93	441.47	408.84	19.17	-1.34	0.021
133.60	-3.29	-0.99	0.00	-7.0	0.00	6.99	918.06	225.52	439.84	407.55	19.23	-1.34	0.021
135.00	-3.22	-0.96	0.00	-5.6	0.00	5.61	909.69	222.59	428.50	398.55	19.62	-1.35	0.018
138.00	-0.55	-0.46	0.00	-2.7	0.00	2.73	891.44	216.32	404.72	379.46	20.47	-1.35	0.008
140.00	0.00	-0.45	0.00	-1.8	0.00	1.81	879.04	212.15	389.23	366.89	21.04	-1.35	0.005

EQUIVALENT LATERAL FORCES METHOD ANALYSIS

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

Spectral Response Acceleration for Short Period (S_s):	0.227
Spectral Response Acceleration at 1.0 Second Period (S_1):	0.056
Long-Period Transition Period (T_L – Seconds):	6
Importance Factor (I_e):	1.000
Site Coefficient F_a :	1.600
Site Coefficient F_v :	2.400
Response Modification Coefficient (R):	1.500
Design Spectral Response Acceleration at Short Period (S_{ds}):	0.242
Design Spectral Response Acceleration at 1.0 Second Period (S_{d1}):	0.090
Seismic Response Coefficient (C_s):	0.030
Upper Limit C_s :	0.030
Lower Limit C_s :	0.030
Period based on Rayleigh Method (sec):	2.520
Redundancy Factor (ρ):	1.000
Seismic Force Distribution Exponent (k):	2.000
Total Unfactored Dead Load:	50.790 k
Seismic Base Shear (E):	1.520 k

SEISMIC FORCES

1.2D + 1.0Ev + 1.0Eh

Seismic

Segment	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
51	139	97	1,871	0.005	7	121
50	136.5	148	2,762	0.007	11	185
49	134.3	70	1,270	0.003	5	88
48	133.5	10	180	0.000	1	13
47	133.15	25	450	0.001	2	32
46	132.85	5	90	0.000	0	6
45	132.7	10	179	0.000	1	13
44	132.3	31	546	0.001	2	39
43	131	126	2,161	0.006	9	157
42	128	257	4,215	0.011	17	321
41	125.5	65	1,029	0.003	4	82
40	123	265	4,015	0.010	16	331
39	120.5	69	998	0.003	4	86
38	118.1	265	3,696	0.010	15	331
37	115.6	85	1,139	0.003	5	106
36	112.5	368	4,658	0.012	19	459
35	107.5	432	4,996	0.013	20	540
34	104.4	105	1,147	0.003	5	131
33	103.7	18	189	0.000	1	22
32	102.9	131	1,382	0.004	6	163
31	102.1	19	195	0.000	1	23
30	101.4	113	1,158	0.003	5	141
29	100.55	47	476	0.001	2	59
28	100.15	28	284	0.001	1	35
27	99.3	176	1,737	0.005	7	220
26	98.3	76	732	0.002	3	95
25	97.625	95	904	0.002	4	118
24	96.125	631	5,832	0.015	23	788
23	94.25	425	3,775	0.010	15	531
22	91.75	792	6,669	0.018	27	989
21	87.5	1,161	8,889	0.023	36	1,449
20	82.5	1,195	8,133	0.021	33	1,492
19	78.5	730	4,498	0.012	18	911
18	76	497	2,873	0.008	11	621
17	72.5	1,262	6,636	0.017	27	1,576
16	67.5	1,289	5,875	0.015	23	1,610
15	62.5	1,317	5,143	0.014	21	1,644
14	57.5	1,344	4,442	0.012	18	1,677

SEISMIC FORCES

1.2D + 1.0Ev + 1.0Eh

Seismic

Segment	Height Above Base (ft)	Weight (lb)	W _z (lb-ft)	C _{vx}	Horizontal Force (lb)	Vertical Force (lb)
13	53	1,094	3,074	0.008	12	1,366
12	50.5	474	1,208	0.003	5	591
11	48.125	1,795	4,157	0.011	17	2,241
10	45.625	345	719	0.002	3	431
9	42.5	1,398	2,524	0.007	10	1,745
8	37.5	1,425	2,003	0.005	8	1,778
7	32.5	1,452	1,533	0.004	6	1,812
6	27.5	1,479	1,118	0.003	4	1,846
5	22.5	1,506	762	0.002	3	1,880
4	17.5	1,533	469	0.001	2	1,913
3	12.5	1,560	244	0.001	1	1,947
2	7.5	1,587	89	0.000	0	1,981
1	2.5	1,614	10	0.000	0	2,014
dbSpectra DS7C09P36U-D	140	210	4,116	0.011	16	262
Generic 12' Omni	140	40	784	0.002	3	50
Generic 12' Omni	140	40	784	0.002	3	50
RFS SC3-W100AB	140	40	784	0.002	3	50
Generic 8' Omni	140	50	980	0.003	4	62
Generic 6' FM antenna	140	30	588	0.002	2	37
Generic 12' Dipole	140	40	784	0.002	3	50
TX RX Systems 432F-83W-01-C-110/110R/48/48R	140	18	353	0.001	1	22
Generic 6' Omni	138	25	476	0.001	2	31
Generic Flat Platform with Handrails	138	2,500	47,610	0.125	190	3,121
Generic Flat Platform with Handrails	77	2,500	14,822	0.039	59	3,121
Alcatel-Lucent TD-RRH8x20-25 w/ Solar Shield	133.6	210	3,748	0.010	15	262
RFS APXV9TM14-ALU-I20*	133.4	165	2,942	0.008	12	206
Alcatel-Lucent 4x40W RRH (91 lb)	132.9	273	4,822	0.013	19	341
Alcatel-Lucent 800 MHz 2X50W RRH w/ Filter	132.8	192	3,386	0.009	14	240
RFS APXVSPP18-C-A20	132.6	171	3,007	0.008	12	213
Ericsson 4460 BAND 2/25	132	327	5,698	0.015	23	408
Ericsson 4480 BAND 71	132	243	4,234	0.011	17	303
Ericsson AIR 6419 B41	132	206	3,581	0.009	14	257
Commscope VV-65A-R1	132	71	1,244	0.003	5	89
RFS APXVAALL24 43-U-NA20	132	368	6,419	0.017	26	460
Site Pro 1 RMQP-496-HK	132	1,799	31,346	0.082	125	2,246
Generic 9' Omni	126	25	397	0.001	2	31
Andrew DB586	121	8	122	0.000	0	10
Generic Flat Low Profile Platform	120	1,875	27,000	0.071	108	2,341
Generic Flat Low Profile Platform	100	1,875	18,750	0.049	75	2,341
Diamond X50A	116.2	5	62	0.000	0	6
RFS DB-C1-12C-24AB-0Z	115	32	423	0.001	2	40
Commscope CBC78T-DS-43-2X	110	62	751	0.002	3	78
Kaelus KA-6030	110	106	1,278	0.003	5	132
Samsung XXDWMM-12.5-65-8T-CBRS	110	69	839	0.002	3	87
Samsung B2/B66A RRH-BR049	110	253	3,064	0.008	12	316
Samsung B5/B13 RRH-BR04C	110	211	2,552	0.007	10	263
Samsung MT6407-77A	110	245	2,962	0.008	12	306
Antel BXA-70080/6CF__	110	54	653	0.002	3	67
Commscope JAHH-65B-R3B	110	364	4,400	0.012	18	454
Generic Round Low Profile Platform	110	1,875	22,688	0.060	91	2,341
Ericsson RRUS 32 B2	103.8	159	1,713	0.004	7	198
Ericsson RRUS 32 B2	100	159	1,590	0.004	6	198
Raycap DC6-48-60-18-8F ("Squid")	103.6	19	203	0.000	1	24
Raycap DC6-48-60-18-8F ("Squid")	100	19	189	0.000	1	24
Ericsson RRUS-11 (50 lbs.)	102.2	150	1,567	0.004	6	187
Ericsson Air 6449 B77D	102	245	2,547	0.007	10	306
CCI HPA-65R-BUJ-H6	100.8	153	1,555	0.004	6	191
Powerwave Allgon 7770.00	100.3	210	2,113	0.006	8	262
Ericsson RRUS 4426 B66	100	145	1,452	0.004	6	181
Ericsson RRUS 4449 B5, B12	100	213	2,130	0.006	9	266
Ericsson RRUS 4478 B14	100	178	1,782	0.005	7	222

SEISMIC FORCES

1.2D + 1.0Ev + 1.0Eh

Seismic

Segment	Height Above Base (ft)	Weight (lb)	W _z (lb-ft)	C _{vx}	Horizontal Force (lb)	Vertical Force (lb)
Raycap DC9-48-60-24-8C-EV	100	32	320	0.001	1	40
CCI TPA-65R-BU6DA-K	100	207	2,070	0.005	8	258
CCI DMP65R-BU8D	100	287	2,871	0.008	11	358
Powerwave Allgon LGP21401	98.6	169	1,645	0.004	7	211
Ericsson AIR 6419 B77G	98	198	1,904	0.005	8	248
Raycap RDIDC-9181-PF-48	77	22	130	0.000	1	27
Fujitsu TA08025-B605	77	225	1,334	0.004	5	281
Fujitsu TA08025-B604	77	192	1,137	0.003	5	239
JMA Wireless MX08FRO665-21	77	194	1,147	0.003	5	242
Totals:		50,791	380,979	1.000	1,524	63,409

SEISMIC FORCES

0.9D - 1.0Ev + 1.0Eh

Seismic (Reduced DL)

Segment	Height Above Base (ft)	Weight (lb)	W _z (lb-ft)	C _{vx}	Horizontal Force (lb)	Vertical Force (lb)
51	139	97	1,871	0.005	7	82
50	136.5	148	2,762	0.007	11	126
49	134.3	70	1,270	0.003	5	60
48	133.5	10	180	0.000	1	9
47	133.15	25	450	0.001	2	22
46	132.85	5	90	0.000	0	4
45	132.7	10	179	0.000	1	9
44	132.3	31	546	0.001	2	27
43	131	126	2,161	0.006	9	107
42	128	257	4,215	0.011	17	219
41	125.5	65	1,029	0.003	4	56
40	123	265	4,015	0.010	16	226
39	120.5	69	998	0.003	4	59
38	118.1	265	3,696	0.010	15	226
37	115.6	85	1,139	0.003	5	73
36	112.5	368	4,658	0.012	19	313
35	107.5	432	4,996	0.013	20	368
34	104.4	105	1,147	0.003	5	90
33	103.7	18	189	0.000	1	15
32	102.9	131	1,382	0.004	6	111
31	102.1	19	195	0.000	1	16
30	101.4	113	1,158	0.003	5	96
29	100.55	47	476	0.001	2	40
28	100.15	28	284	0.001	1	24
27	99.3	176	1,737	0.005	7	150
26	98.3	76	732	0.002	3	65
25	97.625	95	904	0.002	4	81
24	96.125	631	5,832	0.015	23	537
23	94.25	425	3,775	0.010	15	362
22	91.75	792	6,669	0.018	27	675
21	87.5	1,161	8,889	0.023	36	989
20	82.5	1,195	8,133	0.021	33	1,018
19	78.5	730	4,498	0.012	18	622
18	76	497	2,873	0.008	11	424
17	72.5	1,262	6,636	0.017	27	1,075
16	67.5	1,289	5,875	0.015	23	1,098
15	62.5	1,317	5,143	0.014	21	1,121
14	57.5	1,344	4,442	0.012	18	1,144
13	53	1,094	3,074	0.008	12	932
12	50.5	474	1,208	0.003	5	403
11	48.125	1,795	4,157	0.011	17	1,529
10	45.625	345	719	0.002	3	294
9	42.5	1,398	2,524	0.007	10	1,190
8	37.5	1,425	2,003	0.005	8	1,213
7	32.5	1,452	1,533	0.004	6	1,236
6	27.5	1,479	1,118	0.003	4	1,259

SEISMIC FORCES

0.9D - 1.0Ev + 1.0Eh

Seismic (Reduced DL)

Segment	Height Above Base (ft)	Weight (lb)	W _z (lb-ft)	C _{vx}	Horizontal Force (lb)	Vertical Force (lb)
5	22.5	1,506	762	0.002	3	1,282
4	17.5	1,533	469	0.001	2	1,305
3	12.5	1,560	244	0.001	1	1,328
2	7.5	1,587	89	0.000	0	1,351
1	2.5	1,614	10	0.000	0	1,374
dbSpectra DS7C09P36U-D	140	210	4,116	0.011	16	179
Generic 12' Omni	140	40	784	0.002	3	34
Generic 12' Omni	140	40	784	0.002	3	34
RFS SC3-W100AB	140	40	784	0.002	3	34
Generic 8' Omni	140	50	980	0.003	4	43
Generic 6' FM antenna	140	30	588	0.002	2	26
Generic 12' Dipole	140	40	784	0.002	3	34
TX RX Systems 432F-83W-01-C-110/110R/48/48R	140	18	353	0.001	1	15
Generic 6' Omni	138	25	476	0.001	2	21
Generic Flat Platform with Handrails	138	2,500	47,610	0.125	190	2,129
Generic Flat Platform with Handrails	77	2,500	14,822	0.039	59	2,129
Alcatel-Lucent TD-RRH8x20-25 w/ Solar Shield	133.6	210	3,748	0.010	15	179
RFS APXV9TM14-ALU-I20*	133.4	165	2,942	0.008	12	141
Alcatel-Lucent 4x40W RRH (91 lb)	132.9	273	4,822	0.013	19	232
Alcatel-Lucent 800 MHz 2X50W RRH w/ Filter	132.8	192	3,386	0.009	14	164
RFS APXVSPP18-C-A20	132.6	171	3,007	0.008	12	146
Ericsson 4460 BAND 2/25	132	327	5,698	0.015	23	278
Ericsson 4480 BAND 71	132	243	4,234	0.011	17	207
Ericsson AIR 6419 B41	132	206	3,581	0.009	14	175
Commscope VV-65A-R1	132	71	1,244	0.003	5	61
RFS APXVAALL24 43-U-NA20	132	368	6,419	0.017	26	314
Site Pro 1 RMQP-496-HK	132	1,799	31,346	0.082	125	1,532
Generic 9' Omni	126	25	397	0.001	2	21
Andrew DB586	121	8	122	0.000	0	7
Generic Flat Low Profile Platform	120	1,875	27,000	0.071	108	1,597
Generic Flat Low Profile Platform	100	1,875	18,750	0.049	75	1,597
Diamond X50A	116.2	5	62	0.000	0	4
RFS DB-C1-12C-24AB-0Z	115	32	423	0.001	2	27
Commscope CBC78T-DS-43-2X	110	62	751	0.002	3	53
Kaelus KA-6030	110	106	1,278	0.003	5	90
Samsung XXDWMM-12.5-65-8T-CBRS	110	69	839	0.002	3	59
Samsung B2/B66A RRH-BR049	110	253	3,064	0.008	12	216
Samsung B5/B13 RRH-BR04C	110	211	2,552	0.007	10	180
Samsung MT6407-77A	110	245	2,962	0.008	12	208
Antel BXA-70080/6CF__	110	54	653	0.002	3	46
Commscope JAHH-65B-R3B	110	364	4,400	0.012	18	310
Generic Round Low Profile Platform	110	1,875	22,688	0.060	91	1,597
Ericsson RRUS 32 B2	103.8	159	1,713	0.004	7	135
Ericsson RRUS 32 B2	100	159	1,590	0.004	6	135
Raycap DC6-48-60-18-8F ("Squid")	103.6	19	203	0.000	1	16
Raycap DC6-48-60-18-8F ("Squid")	100	19	189	0.000	1	16
Ericsson RRUS-11 (50 lbs.)	102.2	150	1,567	0.004	6	128
Ericsson Air 6449 B77D	102	245	2,547	0.007	10	208
CCI HPA-65R-BUU-H6	100.8	153	1,555	0.004	6	130
Powerwave Allgon 7770.00	100.3	210	2,113	0.006	8	179
Ericsson RRUS 4426 B66	100	145	1,452	0.004	6	124
Ericsson RRUS 4449 B5, B12	100	213	2,130	0.006	9	181
Ericsson RRUS 4478 B14	100	178	1,782	0.005	7	152
Raycap DC9-48-60-24-8C-EV	100	32	320	0.001	1	27
CCI TPA-65R-BU6DA-K	100	207	2,070	0.005	8	176
CCI DMP65R-BU8D	100	287	2,871	0.008	11	244
Powerwave Allgon LGP21401	98.6	169	1,645	0.004	7	144
Ericsson AIR 6419 B77G	98	198	1,904	0.005	8	169
Raycap RDIDC-9181-PF-48	77	22	130	0.000	1	19
Fujitsu TA08025-B605	77	225	1,334	0.004	5	192
Fujitsu TA08025-B604	77	192	1,137	0.003	5	163

SEISMIC FORCES

0.9D - 1.0Ev + 1.0Eh

Seismic (Reduced DL)

Segment	Height Above Base (ft)	Weight (lb)	W _z (lb-ft)	C _{vx}	Horizontal Force (lb)	Vertical Force (lb)
JMA Wireless MX08FRO665-21	77	194	1,147	0.003	5	165
Totals:		50,791	380,979	1.000	1,524	43,253

1.2D + 1.0Ev + 1.0Eh

Seismic

CALCULATED FORCES

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (fr-kips)	Mu Mx (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (kips)	Phi Mn (kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-61.39	-1.53	0.00	-175.62	0.00	175.62	5,497.77	1,298.68	5,470	5,259.85	0.00	0.00	0.05
5.00	-59.41	-1.54	0.00	-167.97	0.00	167.97	5,379.84	1,270.83	5,238	5,035.45	0.01	-0.01	0.04
10.00	-57.47	-1.55	0.00	-160.26	0.00	160.26	5,261.92	1,242.97	5,011	4,815.96	0.03	-0.02	0.04
15.00	-55.55	-1.56	0.00	-152.50	0.00	152.50	5,144.00	1,215.12	4,789	4,601.35	0.06	-0.04	0.04
20.00	-53.67	-1.57	0.00	-144.70	0.00	144.70	5,026.07	1,187.26	4,572	4,391.63	0.10	-0.05	0.04
25.00	-51.83	-1.57	0.00	-136.85	0.00	136.85	4,908.15	1,159.41	4,360	4,186.81	0.16	-0.06	0.04
30.00	-50.01	-1.58	0.00	-128.98	0.00	128.98	4,790.23	1,131.55	4,153	3,986.88	0.23	-0.08	0.04
35.00	-48.24	-1.58	0.00	-121.09	0.00	121.09	4,672.31	1,103.69	3,951	3,791.84	0.32	-0.09	0.04
40.00	-46.49	-1.58	0.00	-113.20	0.00	113.20	4,554.38	1,075.84	3,754	3,601.69	0.42	-0.10	0.04
45.00	-46.06	-1.58	0.00	-105.32	0.00	105.32	4,436.46	1,047.98	3,562	3,416.43	0.53	-0.12	0.04
46.25	-43.82	-1.56	0.00	-103.35	0.00	103.35	4,406.98	1,041.02	3,515	3,370.88	0.56	-0.12	0.04
50.00	-43.23	-1.56	0.00	-97.48	0.00	97.48	4,318.54	1,020.13	3,376	3,236.07	0.66	-0.13	0.04
51.00	-41.86	-1.55	0.00	-95.92	0.00	95.92	4,412.85	1,042.41	3,525	3,379.93	0.69	-0.13	0.04
55.00	-40.18	-1.54	0.00	-89.71	0.00	89.71	4,318.52	1,020.12	3,376	3,236.03	0.80	-0.14	0.04
60.00	-38.54	-1.52	0.00	-82.02	0.00	82.02	4,200.59	992.27	3,194	3,060.56	0.96	-0.16	0.04
65.00	-36.93	-1.50	0.00	-74.42	0.00	74.42	4,082.67	964.41	3,017	2,889.98	1.13	-0.17	0.04
70.00	-35.35	-1.48	0.00	-66.91	0.00	66.91	3,964.75	936.55	2,845	2,724.29	1.31	-0.18	0.03
75.00	-34.73	-1.47	0.00	-59.52	0.00	59.52	3,846.82	908.70	2,679	2,563.49	1.51	-0.19	0.03
77.00	-29.91	-1.36	0.00	-56.59	0.00	56.59	3,799.65	897.56	2,613	2,500.54	1.59	-0.20	0.03
80.00	-28.42	-1.33	0.00	-52.50	0.00	52.50	3,728.90	880.84	2,517	2,407.59	1.71	-0.20	0.03
85.00	-26.97	-1.29	0.00	-45.84	0.00	45.84	3,610.98	852.99	2,360	2,256.57	1.93	-0.21	0.03
90.00	-25.98	-1.27	0.00	-39.37	0.00	39.37	3,493.05	825.13	2,209	2,110.45	2.16	-0.22	0.03
93.50	-25.45	-1.25	0.00	-34.94	0.00	34.94	3,410.51	805.63	2,106	2,011.07	2.33	-0.23	0.03
95.00	-24.66	-1.23	0.00	-33.06	0.00	33.06	3,375.13	797.28	2,062	1,969.22	2.40	-0.23	0.02
97.25	-24.54	-1.23	0.00	-30.29	0.00	30.29	1,102.89	301.46	786	655.89	2.51	-0.24	0.07
98.00	-24.20	-1.21	0.00	-29.37	0.00	29.37	1,099.71	299.89	778	650.58	2.55	-0.24	0.07
98.60	-23.77	-1.20	0.00	-28.65	0.00	28.65	1,097.14	298.64	771	646.33	2.58	-0.24	0.07
100.00	-19.85	-1.06	0.00	-26.96	0.00	26.96	1,091.10	295.71	756	636.43	2.65	-0.25	0.06
100.30	-19.52	-1.05	0.00	-26.65	0.00	26.65	1,089.79	295.09	753	634.31	2.67	-0.25	0.06
100.80	-19.19	-1.04	0.00	-26.12	0.00	26.12	1,087.60	294.04	748	630.78	2.70	-0.25	0.06
102.00	-18.86	-1.03	0.00	-24.88	0.00	24.88	1,082.30	291.53	735	622.32	2.76	-0.26	0.06
102.20	-18.51	-1.01	0.00	-24.67	0.00	24.67	1,081.40	291.12	733	620.91	2.77	-0.26	0.06
103.60	-18.47	-1.01	0.00	-23.25	0.00	23.25	1,075.12	288.19	718	611.05	2.85	-0.26	0.06
103.80	-18.14	-1.00	0.00	-23.05	0.00	23.05	1,074.21	287.77	716	609.65	2.86	-0.27	0.06
105.00	-17.60	-0.98	0.00	-21.85	0.00	21.85	1,068.74	285.27	704	601.22	2.93	-0.27	0.05
110.00	-13.10	-0.79	0.00	-16.94	0.00	16.94	1,045.19	274.82	653	566.30	3.22	-0.29	0.04
115.00	-12.95	-0.78	0.00	-13.00	0.00	13.00	1,020.46	264.37	604	531.74	3.53	-0.30	0.04
116.20	-12.61	-0.77	0.00	-12.06	0.00	12.06	1,014.35	261.87	593	523.50	3.61	-0.31	0.04
120.00	-10.19	-0.64	0.00	-9.14	0.00	9.14	994.55	253.93	558	497.61	3.86	-0.32	0.03
121.00	-9.85	-0.63	0.00	-8.50	0.00	8.50	989.22	251.84	548	490.84	3.93	-0.32	0.03
125.00	-9.76	-0.62	0.00	-5.99	0.00	5.99	967.45	243.48	513	463.98	4.20	-0.33	0.02
126.00	-9.41	-0.60	0.00	-5.37	0.00	5.37	961.89	241.39	504	457.32	4.27	-0.33	0.02
130.00	-9.26	-0.59	0.00	-2.96	0.00	2.96	939.16	233.04	470	430.94	4.54	-0.33	0.02
132.00	-5.45	-0.36	0.00	-1.77	0.00	1.77	927.52	228.86	453	417.90	4.68	-0.34	0.01
132.60	-5.23	-0.35	0.00	-1.55	0.00	1.55	923.99	227.61	448	414.01	4.73	-0.34	0.01
132.80	-4.98	-0.33	0.00	-1.48	0.00	1.48	922.81	227.19	446	412.72	4.74	-0.34	0.01
132.90	-4.61	-0.31	0.00	-1.45	0.00	1.45	922.22	226.98	446	412.07	4.75	-0.34	0.01
133.40	-4.39	-0.29	0.00	-1.30	0.00	1.30	919.25	225.93	441	408.84	4.78	-0.34	0.01
133.60	-4.04	-0.27	0.00	-1.24	0.00	1.24	918.06	225.52	440	407.55	4.80	-0.34	0.01
135.00	-3.86	-0.26	0.00	-0.86	0.00	0.86	909.69	222.59	428	398.55	4.90	-0.34	0.01
138.00	-0.58	-0.04	0.00	-0.08	0.00	0.08	891.44	216.32	405	379.46	5.11	-0.34	0.00
140.00	0.00	-0.04	0.00	0.00	0.00	0.00	879.04	212.15	389	366.89	5.25	-0.34	0.00

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

CALCULATED FORCES

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (fr-kips)	Mu Mx (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (kips)	Phi Mn (kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-41.88	-1.53	0.00	-171.98	0.00	171.98	5,497.77	1,298.68	5,470	5,259.85	0.00	0.00	0.04
5.00	-40.53	-1.53	0.00	-164.35	0.00	164.35	5,379.84	1,270.83	5,238	5,035.45	0.01	-0.01	0.04
10.00	-39.20	-1.54	0.00	-156.68	0.00	156.68	5,261.92	1,242.97	5,011	4,815.96	0.03	-0.02	0.04
15.00	-37.89	-1.55	0.00	-148.98	0.00	148.98	5,144.00	1,215.12	4,789	4,601.35	0.06	-0.04	0.04
20.00	-36.61	-1.55	0.00	-141.25	0.00	141.25	5,026.07	1,187.26	4,572	4,391.63	0.10	-0.05	0.04
25.00	-35.35	-1.55	0.00	-133.50	0.00	133.50	4,908.15	1,159.41	4,360	4,186.81	0.16	-0.06	0.04
30.00	-34.11	-1.55	0.00	-125.74	0.00	125.74	4,790.23	1,131.55	4,153	3,986.88	0.23	-0.07	0.04
35.00	-32.90	-1.55	0.00	-117.98	0.00	117.98	4,672.31	1,103.69	3,951	3,791.84	0.31	-0.09	0.04
40.00	-31.71	-1.55	0.00	-110.22	0.00	110.22	4,554.38	1,075.84	3,754	3,601.69	0.41	-0.10	0.04
45.00	-31.42	-1.55	0.00	-102.50	0.00	102.50	4,436.46	1,047.98	3,562	3,416.43	0.52	-0.11	0.04
46.25	-29.89	-1.53	0.00	-100.57	0.00	100.57	4,406.98	1,041.02	3,515	3,370.88	0.55	-0.12	0.04
50.00	-29.48	-1.53	0.00	-94.83	0.00	94.83	4,318.54	1,020.13	3,376	3,236.07	0.65	-0.13	0.04
51.00	-28.55	-1.52	0.00	-93.30	0.00	93.30	4,412.85	1,042.41	3,525	3,379.93	0.67	-0.13	0.03
55.00	-27.41	-1.50	0.00	-87.23	0.00	87.23	4,318.52	1,020.12	3,376	3,236.03	0.79	-0.14	0.03
60.00	-26.29	-1.48	0.00	-79.72	0.00	79.72	4,200.59	992.27	3,194	3,060.56	0.94	-0.15	0.03
65.00	-25.19	-1.46	0.00	-72.30	0.00	72.30	4,082.67	964.41	3,017	2,889.98	1.10	-0.16	0.03
70.00	-24.11	-1.44	0.00	-64.99	0.00	64.99	3,964.75	936.55	2,845	2,724.29	1.28	-0.18	0.03
75.00	-23.69	-1.43	0.00	-57.80	0.00	57.80	3,846.82	908.70	2,679	2,563.49	1.47	-0.19	0.03
77.00	-20.40	-1.33	0.00	-54.95	0.00	54.95	3,799.65	897.56	2,613	2,500.54	1.55	-0.19	0.03
80.00	-19.38	-1.29	0.00	-50.96	0.00	50.96	3,728.90	880.84	2,517	2,407.59	1.67	-0.20	0.03
85.00	-18.39	-1.26	0.00	-44.49	0.00	44.49	3,610.98	852.99	2,360	2,256.57	1.88	-0.21	0.03
90.00	-17.72	-1.23	0.00	-38.20	0.00	38.20	3,493.05	825.13	2,209	2,110.45	2.11	-0.22	0.02
93.50	-17.36	-1.22	0.00	-33.89	0.00	33.89	3,410.51	805.63	2,106	2,011.07	2.27	-0.23	0.02
95.00	-16.82	-1.19	0.00	-32.06	0.00	32.06	3,375.13	797.28	2,062	1,969.22	2.34	-0.23	0.02
97.25	-16.74	-1.19	0.00	-29.38	0.00	29.38	1,102.89	301.46	786	655.89	2.45	-0.23	0.06
98.00	-16.51	-1.18	0.00	-28.49	0.00	28.49	1,099.71	299.89	778	650.58	2.49	-0.23	0.06
98.60	-16.21	-1.17	0.00	-27.78	0.00	27.78	1,097.14	298.64	771	646.33	2.52	-0.24	0.06
100.00	-13.54	-1.03	0.00	-26.15	0.00	26.15	1,091.10	295.71	756	636.43	2.59	-0.24	0.05
100.30	-13.32	-1.02	0.00	-25.84	0.00	25.84	1,089.79	295.09	753	634.31	2.60	-0.24	0.05
100.80	-13.09	-1.01	0.00	-25.33	0.00	25.33	1,087.60	294.04	748	630.78	2.63	-0.25	0.05
102.00	-12.87	-1.00	0.00	-24.12	0.00	24.12	1,082.30	291.53	735	622.32	2.69	-0.25	0.05
102.20	-12.63	-0.98	0.00	-23.92	0.00	23.92	1,081.40	291.12	733	620.91	2.70	-0.25	0.05
103.60	-12.60	-0.98	0.00	-22.54	0.00	22.54	1,075.12	288.19	718	611.05	2.78	-0.26	0.05
103.80	-12.37	-0.97	0.00	-22.35	0.00	22.35	1,074.21	287.77	716	609.65	2.79	-0.26	0.05
105.00	-12.00	-0.95	0.00	-21.18	0.00	21.18	1,068.74	285.27	704	601.22	2.85	-0.26	0.05
110.00	-8.93	-0.76	0.00	-16.42	0.00	16.42	1,045.19	274.82	653	566.30	3.14	-0.28	0.04
115.00	-8.83	-0.76	0.00	-12.60	0.00	12.60	1,020.46	264.37	604	531.74	3.44	-0.30	0.03
116.20	-8.60	-0.74	0.00	-11.69	0.00	11.69	1,014.35	261.87	593	523.50	3.52	-0.30	0.03
120.00	-6.95	-0.62	0.00	-8.86	0.00	8.86	994.55	253.93	558	497.61	3.76	-0.31	0.03
121.00	-6.72	-0.61	0.00	-8.23	0.00	8.23	989.22	251.84	548	490.84	3.82	-0.31	0.02
125.00	-6.66	-0.60	0.00	-5.80	0.00	5.80	967.45	243.48	513	463.98	4.09	-0.32	0.02
126.00	-6.42	-0.58	0.00	-5.20	0.00	5.20	961.89	241.39	504	457.32	4.16	-0.32	0.02
130.00	-6.31	-0.58	0.00	-2.86	0.00	2.86	939.16	233.04	470	430.94	4.43	-0.33	0.01
132.00	-3.72	-0.35	0.00	-1.71	0.00	1.71	927.52	228.86	453	417.90	4.56	-0.33	0.01
132.60	-3.57	-0.33	0.00	-1.50	0.00	1.50	923.99	227.61	448	414.01	4.60	-0.33	0.01
132.80	-3.40	-0.32	0.00	-1.44	0.00	1.44	922.81	227.19	446	412.72	4.62	-0.33	0.01
132.90	-3.14	-0.30	0.00	-1.41	0.00	1.41	922.22	226.98	446	412.07	4.62	-0.33	0.01
133.40	-2.99	-0.28	0.00	-1.26	0.00	1.26	919.25	225.93	441	408.84	4.66	-0.33	0.01
133.60	-2.76	-0.26	0.00	-1.20	0.00	1.20	918.06	225.52	440	407.55	4.67	-0.33	0.01
135.00	-2.63	-0.25	0.00	-0.83	0.00	0.83	909.69	222.59	428	398.55	4.77	-0.33	0.01
138.00	-0.40	-0.04	0.00	-0.08	0.00	0.08	891.44	216.32	405	379.46	4.97	-0.33	0.00
140.00	0.00	-0.04	0.00	0.00	0.00	0.00	879.04	212.15	389	366.89	5.11	-0.33	0.00

ANALYSIS SUMMARY

Load Case	Base Reactions						Max Usage	
	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)	Elev (ft)	Interaction Ratio
1.2D + 1.0W	29.49	0.00	60.89	0.00	0.00	3145.67	97.25	0.8
0.9D + 1.0W	29.46	0.00	45.66	0.00	0.00	3097.58	97.25	0.78
1.2D + 1.0Di + 1.0Wi	7.72	0.00	78.83	0.00	0.00	826.81	97.25	0.24
1.2D + 1.0Ev + 1.0Eh	1.58	0.00	61.39	0.00	0.00	175.62	97.25	0.07
0.9D - 1.0Ev + 1.0Eh	1.55	0.00	41.88	0.00	0.00	171.98	97.25	0.06
1.0D + 1.0W	6.82	0.00	50.79	0.00	0.00	721.06	97.25	0.2

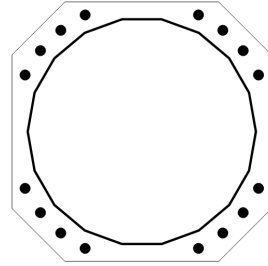
BASE PLATE ANALYSIS @ 0 FT

APPLIED REACTIONS

Moment (k-ft)	Axial (k)	Shear (k)
3145.67	60.89	29.49

PLATE PARAMETERS (ID# 22465)

Width:	54	in
Shape:	Square	
Thickness:	3.25	in
Grade:	A572-50	
Yield Strength:	50	ksi
Tensile Strength:	65	ksi
Clip Length:	11	in
Rod Detail Type:	d	
Clear Distance:	3	in
Base Weld Size:	0.125	in
Orientation Offset:	-	°
Analysis Type:	Plastic	
Neutral Axis:	225	°



ANCHOR ROD PARAMETERS

Class	Arrangement	Quantity	Diameter (in)	Circle (in)	Grade	F _y (ksi)	F _u (ksi)	Spacing (in)	Offset (°)
Original [ID#23059]	Cluster	16	2.25	54	A615-75	75	100	6	-

COMPONENT PROPERTIES

Component	ID	Gross Area (in ²)	Net Area (in ²)	Individual Inertia (in ⁴)	Moment of Inertia (in ⁴)	Threads/in
Pole	47.13"ø x 0.5" (18 Sides)	72.8749	-	-	19813.12	-
Bolt Group	Original (16) 2.25"ø	3.9761	3.2477	0.8393	17157.27	4.5

REACTION DISTRIBUTION

Component	ID	Moment M _u (k-ft)	Axial Load P _u (k)	Shear V _u (k)	Moment Factor
Pole	47.13"ø x 0.5" (18 Sides)	3145.7	60.89	29.49	1.000
Bolt Group	Original (16) 2.25"ø	3145.7	-	29.49	1.000

BASE PLATE BEND LINE ANALYSIS @ 0 FT

POLE PROPERTIES

Flat-to-Flat Diameter:	47.26	in	Flat Width:	8.332	in
Point-to-Point Diameter:	47.98	in	Flat Radians:	0.349	rad
Orientation Offset:	-	°			

PLATE PROPERTIES

Neutral Axis: 225 °

Bend Line	Chord Length (in)	Additional Length (in)	Section Modulus (in ³)	Applied Moment M _u (k-in)	Moment Capacity ΦM _n (k-in)	Flexure Result M _u /ΦM _n
Flats	29.113	0.00	76.875	937.3	3459.4	27.1%
Corners	28.384	0.00	74.950	672.3	3372.8	19.9%

PLASTIC ANCHOR ROD ANALYSIS

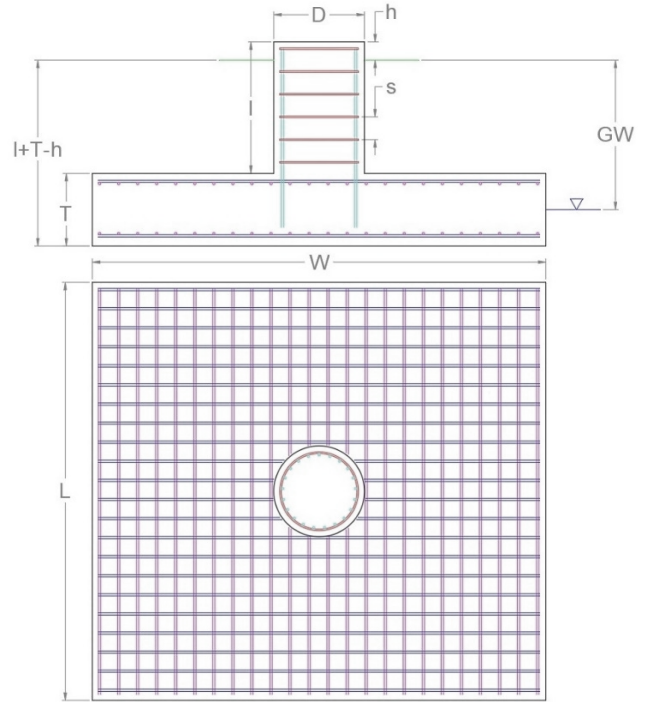
Class	Group Quantity	Rod Diameter (in)	Applied Axial Load P _u (k)	Applied Shear Load V _u (k)	Compressive Capacity ΦP _n (k)	Interaction Result
Original	16	2.25	162.2	3.1	243.6	69.1%

APPLIED GLOBAL REACTIONS

Moment (k-ft)	Axial (k)	Shear (k)
3,145.67	60.89	29.49

FOUNDATION PARAMETERS

Mat Length:	L	23	ft
Mat Width:	W	23	ft
Mat Thickness:	T	3.5	ft
Base Depth:	L+T-h	7	ft
Pier Shape:		Square	
Pier Width:	D	6	ft
Pier Height above Grade:	h	0.5	ft
Concrete Compressive Strength:		3,000	psi
Mat Top Rebar:		(24) #9 bars [60 ksi]	
Mat Bottom Rebar:		(24) #9 bars [60 ksi]	
Pier Vertical Rebar:		(40) #11 bars [60 ksi]	
Pier Rebar Ties:	s	#4 bars @ 6.0" c/c [40 ksi]	
Rebar Clear Cover:		3.0	in
Tower Eccentricity:	ecc	0	ft
Tower Leg Count		1	



SOIL PARAMETERS

Water Table Depth [BGL]:	GW		ft
Soil Unit Weight:		115	pcf
Ultimate Skin Friction:		0	psf
Ultimate Bearing Pressure:		20,000	psf
Bearing Pressure Type:		Gross	
Coefficient of Shear Friction:		0.4	

SOIL STRENGTH ANALYSIS

Soil Strength Reduction Factor, Φ_s	Uplift Strength Reduction Factor, Φ_s	Asset Dead Load Factor	Dead Load Factor
0.75	0.75	0.9	1.2

SOIL OVERTURNING ANALYSIS

Design Moment, $M_{u,Design}$ (k-ft)	Nominal Overturning Capacity, $\Phi_m M_n$ (k-ft)	Soil Overturning Usage, $M_{u,Design} / \Phi_m M_n$
3,366.84	6,048.42	55.7% ✔

SOIL BEARING ANALYSIS

Net Bearing Pressure, $P_{u,Net}$ (psf)	Nominal Bearing Capacity, $\Phi_b P_n$ (k-ft)	Bearing Pressure Controlling Load Direction	Soil Bearing Usage, $P_{u,net} / \Phi_b P_n$
2,255.00	15,000.00	Diagonal to Pad Edge	15.0% ✔

SOIL SLIDING SHEAR ANALYSIS

Applied Shear Force, V_u (k)	Friction Resistance (k)	Passive Pressure (psf)	Passive Pressure Resistance (k)	Nominal Shear Capacity, $\Phi_s V_n$ (k)	Soil Sliding Shear Usage, $V_u / \Phi_s V_n$
29.49	0.00	603.8	48.60	201.00	15.0% ✔

MAT REINFORCING STEEL STRENGTH ANALYSIS

Steel Elastic Modulus, E (ksi)	Strength Bending/Tension Reduction Factor, Φ_b	Strength Shear Reduction Factor, Φ_v	Strength Compression Reduction Factor, Φ_c
29,000	0.9	0.75	0.65

MAT REINFORCING ONE WAY SHEAR ANALYSIS

One Way Design Shear, V_u (k)	Nominal One Way Shear Capacity, $\Phi_c V_n$ (k)	One Way Shear Controlling Load Direction	Mat One Way Shear Usage, $V_u / \Phi_c V_n$
148.12	754.83	Diagonal to Pad Edge	19.6%

MAT REINFORCING PUNCHING SHEAR ANALYSIS

Punching Shear Design Stress, v_u (psi)	Nominal Punching Shear Capacity, $\Phi_c v_n$ (psi)	Mat Punching Shear Usage, $v_u / \Phi_c v_n$
30.1	164.3	18.3%

MAT REINFORCING MOMENT TRANSFER ANALYSIS

Moment Transfer Effective Flexural Width, w_t (in)	Neutral Axis Depth (in)	Pier Moment at Joint, M_{ut} (k-in)	Nominal Moment Transfer Capacity, $\Phi M_{sc,f}$ (k-in)	Mat Moment Transfer Usage, $0.6 M_{ut} / \Phi M_{sc,f}$
16.50	2.13	0.00	35,739.8	0.0%

MAT REINFORCING FLEXURE ANALYSIS – UPPER STEEL

Factored Moment, M_u (k-ft)	Nominal Flexural Capacity, ΦM_n (k-ft)	Flexural Steel Controlling Load Direction	Mat Upper Rebar Flexure Usage, $M_u / \Phi M_n$
770.64	3,996.59	Parallel to Pad Edge	19.3%

MAT REINFORCING FLEXURE ANALYSIS – LOWER STEEL

Factored Moment, M_u (k-ft)	Nominal Flexural Capacity, ΦM_n (k-ft)	Flexural Steel Controlling Load Direction	Mat Lower Rebar Flexure Usage, $M_u / \Phi M_n$
1,313.80	3,996.59	Parallel to Pad Edge	32.9%

PIER REINFORCING STEEL STRENGTH ANALYSIS

Rebar Cage Diameter (in)	Steel Elastic Modulus, E (ksi)	Strength Bending/Tension Reduction Factor, Φ_b	Strength Shear Reduction Factor, Φ_v	Strength Compression Reduction Factor, Φ_c
63.62	29,000	0.9	0.75	0.65

PIER REINFORCING MOMENT ANALYSIS

Design Moment, M_u (k-ft)	Nominal Moment Capacity, $\Phi_b M_n$ (k-ft)	Bending Reinforcement Ratio	Pier Rebar Flexure Usage, $M_u / \Phi_b M_n$
3,263.63	8,737.91	0.012	37.4%

PIER REINFORCING COMPRESSION ANALYSIS

Design Compression, P_u (k)	Nominal Compressive Capacity, $\Phi_p P_n$ (k)	Pier Rebar Compressive Usage, $P_u / \Phi_p P_n$
60.89	6,839.91	0.9%

PIER REINFORCING SHEAR ANALYSIS

Design Shear, V_u (k)	Nominal Shear Capacity, $\Phi_v V_n$ (k)	Pier Rebar Shear Usage, $V_u / \Phi_v V_n$
29.49	543.61	5.4%

EXHIBIT 4



Colliers Engineering & Design
 100 Westcott Blvd
 Stamford CT 06901
 0330800
 Peter Lombardi Colliers

Antenna Mount Analysis Report with Hardware Upgrades and PMI Requirements

Mount Reanalysis

SMART Tool Project 1008086
 Colliers Engineering & Design Project 30003
 August 10, 2023

Site Information

Site ID: 5000385765-VZW / WESTPORT 2 CT
 Site Name: WESTPORT 2 CT
 Carrier Name: Verizon Wireless
 Address: 180 Bayberry Lane
 Westport, Connecticut 06880
 Fairfield County
 Latitude: 41.171667°
 Longitude: -73.328472°

Structure Information

Tower Type: Monopole
 Mount Type: 12.50-Ft Platform
 FUZE ID # 17123707

Analysis Results

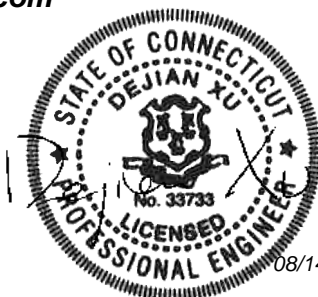
Pass Rate: 38.1% **Pass w/ Hardware Upgrades***

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

Report Prepared By: Robert Walters



08/14/2023

Executive Summary:

The objective of this report is to determine the structural integrity of the support structure of the subject building for the proposed wireless telecommunications construction under the applicable codes and standards and modifications listed under Sources of Information as issued, deleted and as included in this analysis.

This analysis is inclusive of the support structure and does not address the structural integrity of the supporting structure. This analysis does not include as an interior attachment point for all protection and distribution facilities are required to meet all protection and deleted and as deleted persons.

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	Verizon RFDS Site ID: 325124, dated March 30, 2021
Mount Mapping Report	RKS Design & Engineering LLC, Site ID: ATC: 310968, VZW: 468226, dated April 16, 2021
Previous Mount Modification Drawings	Maser Consulting Connecticut, Project #: 21777521, dated June 23, 2021
Filter Add Scope	Provided by Verizon Wireless

Analysis Criteria:

Codes and Standards	SI-TI-000-0 000 Connecticut State Building Code effective October 1, 2000
Wind Parameters	Basic Wind Speed Multiplier 3-segment VULT: 1.0 Ice Wind Speed 3-segment: 0 Design Ice Thickness: 1.00 in Risk Category: II Exposure Category: B Topographic Category: 1 Topographic Feature Considered: No Topographic Method: No Round Relief Factor: 0.991
Seismic Parameters	Ss: 0.33 S1: 0.06
Memberwise Parameters	Wind Speed 3-segment: 30 Memberwise Live Load: 0 lbs Memberwise Live Load: 0 lbs
Analysis Software	RIS-3D v1.00

Final Loading Configuration:

The following equipment has been considered for the equipment on the site.

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
107.60	110.00	3	Samsung	XXDWMM-12.5-65-8T-CBRS	Retained
		3	Samsung	MT6407-77A	
		3	Commscope	CBC78T-DS-43-2X	
		1	RFS	DB-C1-12C-24AB-0Z	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		6	Commscope	JAHH-65B-R3B	
		3	Antel	BXA-70080-6CF	
		2	-	Omni Antenna	
		6	KAelus	KA-6030	Added

The report on the reported equipment O&P units is available to install up to 300 lbs of O&P model numbers listed below is required at the location of the tower. The weight of the structure equipment on the O&P units are installed on the tower. The O&P units may be required unless reported on the O&P.

Model Number	Ports	O&P
DB-B1-6C-100B-00	6	O&P-6
RDC-6600-P-08	1	O&P-1

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to Colliers Engineering & Design, CT, PC used in this analysis is current and correct. The equipment loadings have been provided at locations determined from the supplied drawings and information from the load locations specified in this report shall be to be submitted to Colliers Engineering & Design, CT, PC to verify design will not adversely affect the analysis.

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

Obvious structural issues deficiencies noticed at the time of the on-site inspection and reported in the Mount Maintenance Report are assumed to be corrected and documented as part of the PMI process and are not considered in the on-site analysis.

The on-site analysis and the on-site inspection are not a condition assessment of the on-site Proter & Whitehead and condition assessments are still required cost analysis.

3. For on-site analyses completed from other data sources including the reported on-site inspection and not specifically provided in accordance with the STD-06 Standard, the on-site inspection are assumed to be properly oriented, installed and maintained in good condition, free and plumb in accordance with its original design and manufacturer's specifications.

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

The mount was checked up to and including the bolts that fasten it to the out collar attachment and threaded rod connections in collar members in accordance with the design and interaction between the out collar attachment and the support tower structure are outside the scope of this analysis.

6. All services are performed; results obtained and recommendations made in accordance with the relevant engineering principles and practices. Colliers Engineering & Design is not responsible for the conclusions and recommendations made by others based on the information supplied.

7. Structure Steel grades shall be assumed as follows, unless otherwise noted in this analysis:

- o Carbon Steel Solid Round Pipe ASTM A36 or A36
- o SS Reinforcement ASTM A307 or A307
- o Pipe ASTM A33 or A33
- o Threaded Rod ASTM A36
- o Bolts ASTM A307

8. It is assumed that the out conditions listed under Sources of Error shall be installed per the design specifications.

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	14.9 %	Pass
Standoff Horizontal	37.5 %	Pass
Platform Crossmember	17.3 %	Pass
Corner Plate	19.6 %	Pass
Grating Support	13.5 %	Pass
Cross Arm Plate	35.8 %	Pass
Mount Pipe	38.1 %	Pass
Dual Mount Pipe	31.9 %	Pass
Support Rail	20.9 %	Pass
Support Rail Corner	34.2 %	Pass
Mount Connection	35.6 %	Pass

Structure Rating – (Controlling Utilization of all Components)	38.1%*
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* Results valid after all the conditions noted in the PMI Requirements are installed.

Mount Steel (EPA) as 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	0	0	8	8
0.5	31	31	61	61
1	38.3	38.3	69.3	69.3

Notes:

- EPA values listed above may be used in the absence of more precise information
- EPA values in the table above include 3 sectors
- All towers included in EPA calculations

Requirements:

The existing mount will be **SUFFICIENT** for the wind loading configuration shown in attachment 1 **unless the following conditions are met:**

Contractor shall fortify mount. Contractor shall take care not to damage existing components. After full security collar at each location, contractor shall remove all threaded rods on mount collar and all threaded rods on tower side and grade as existing rods. Rods shall not be removed until mount has been fully secured at each location. Contractor shall not loose or remove more than one rod at time. Trim the rods such that they extend no more than 3" beyond lock nuts. Protect all cut ends with two (2) coats of cold galvanneal paint or zinc paint.

Contractor shall verify conditions detailed in Construction Drawings by Messer Consulting. Contact dated June 13, 2013 have been installed prior to installation. **Escalate any discrepancies to EOR immediately as it may render the results of this analysis invalid and require additional modifications.**

Contractor shall install the proposed filter units on the Site Pro 1 Dual Signal Mount at Port RR DSM or EOR approved equipment location shown in the above attachment.

SI SSP reviewed and referred services to direct with the requirements of SI TI 3 are available for Construction Class I site or other required. Separate reference 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.

Electrodermal activity can be documented in the following ways:
• Additional questions and support please refer out to the support colleague

MD# 00000038006

SMART Project #1008086

Quote Project ID#101300

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 not touch or adjust. Contractor shall take care not to damage existing components. After all security collar at the location contractor shall remove all threaded rods on the outer collar. It is recommended threaded rods on the side and inside as existing rods. Rods shall not be removed until the outer has been fully secured at the location. Contractor shall not loose or remove more than one rod at a time. Trim the rods such that they extend no more than 3" beyond lock nuts. Protect all cut ends with two (2) coats of cold galvanneal paint or zinc coat.

Contractor shall verify modifications detailed in Construction Drawings by Muser Consulting Company dated June 30, 2011 have been installed prior to installation of equipment. **Escalate any discrepancies to EOR immediately as it may render the results of this analysis invalid and require additional modifications.**

Contractor shall install the proposed filter units on the Site Pro 1 Dual Signal Mount at Port RR DSM or OR provided equipment at the location so that the equipment does not interfere with the signal.

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

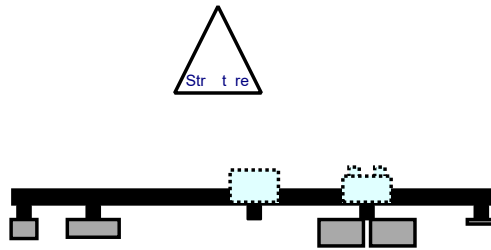
Contractor to certify the condition of the safety climb and verify no damage when leaving the site:

Safety Climb in Good Condition Safety Climb Damaged

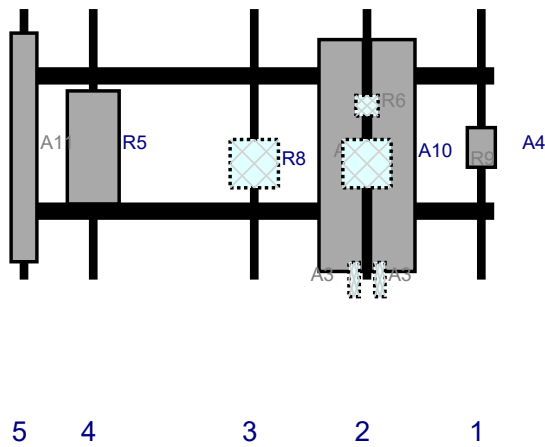
Certifying Individual:

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

Plan View

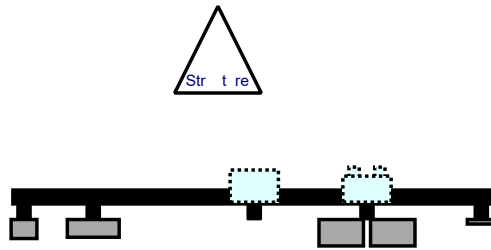


Front View - Looking at Structure

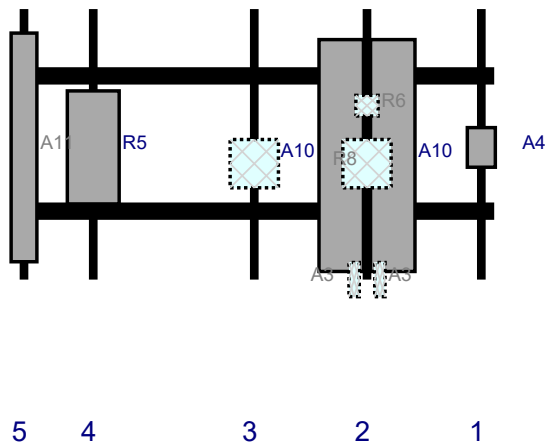


Re #	Model	Height (i)	Width (i)	H Dist Fr L.	Pipe #	Pipe Pos V	A t Pos	C. A t Fr T.	A t H O	St t s	V lid tio
A4	DWMM-12.5-65-8T-CBRS	12.3	8.7	146	1		Fro t	42.96	0	Ret i ed	
A10	JAHH-65B-R3B	72	13.8	110.5	2		Fro t	45.48	8	Ret i ed	04/16/2021
A10	JAHH-65B-R3B	72	13.8	110.5	2		Fro t	45.48	-8	Ret i ed	04/16/2021
A3	A-6030	10.6	3.2	110.5	2		Behi d	84	-4	Added	
A3	A-6030	10.6	3.2	110.5	2		Behi d	84	4	Added	
R6	CBC78T-DS-43-2	6.4	6.9	110.5	2		Behi d	30	0	Ret i ed	
R9	B5/B13 RRH-BR04C	15	15	110.5	2		Behi d	48	0	Ret i ed	
R8	B2/B66A RRH-BR049	15	15	75.5	3		Behi d	48	0	Ret i ed	
R5	MT6407-77A	35.1	16.1	25.5	4		Fro t	42.96	0	Ret i ed	
A11	B A-70080-6CF	71	8	4	5		Fro t	42.96	0	Ret i ed	04/16/2021

Plan View

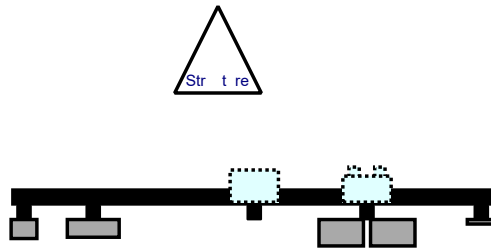


Front View - Looking at Structure

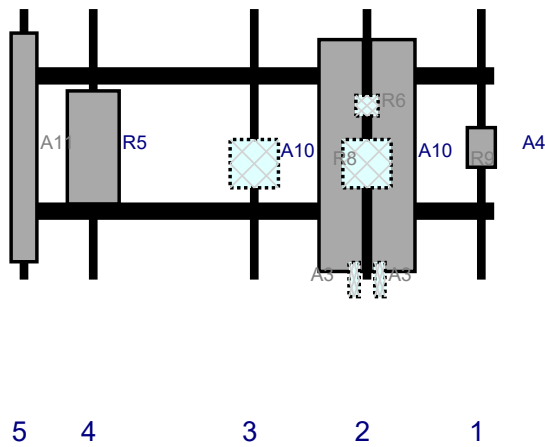


Re #	Model	Height (i)	Width (i)	H Dist Fr L.	Pipe #	Pipe Pos V	A t Pos	C. A t Fr T.	A t H O	St t s	V lid tio
A4	DWMM-12.5-65-8T-CBRS	12.3	8.7	146	1		Fro t	42.96	0	Ret i ed	
A10	JAHH-65B-R3B	72	13.8	110.5	2		Fro t	45.48	8	Ret i ed	04/16/2021
A10	JAHH-65B-R3B	72	13.8	110.5	2		Fro t	45.48	-8	Ret i ed	04/16/2021
A3	A-6030	10.6	3.2	110.5	2		Behi d	84	-4	Added	
A3	A-6030	10.6	3.2	110.5	2		Behi d	84	4	Added	
R6	CBC78T-DS-43-2	6.4	6.9	110.5	2		Behi d	30	0	Ret i ed	
R9	B5/B13 RRH-BR04C	15	15	110.5	2		Behi d	48	0	Ret i ed	
R8	B2/B66A RRH-BR049	15	15	75.5	3		Behi d	48	0	Ret i ed	
R5	MT6407-77A	35.1	16.1	25.5	4		Fro t	42.96	0	Ret i ed	
A11	B A-70080-6CF	71	8	4	5		Fro t	42.96	0	Ret i ed	04/16/2021

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
A4	DWMM-12.5-65-8T-CBRS	12.3	8.7	146	1		Fro t	42.96	0	Ret i ed	
A10	JAHH-65B-R3B	72	13.8	110.5	2		Fro t	45.48	8	Ret i ed	04/16/2021
A10	JAHH-65B-R3B	72	13.8	110.5	2		Fro t	45.48	-8	Ret i ed	04/16/2021
A3	A-6030	10.6	3.2	110.5	2		Behi d	84	-4	Added	
A3	A-6030	10.6	3.2	110.5	2		Behi d	84	4	Added	
R6	CBC78T-DS-43-2	6.4	6.9	110.5	2		Behi d	30	0	Ret i ed	
R9	B5/B13 RRH-BR04C	15	15	110.5	2		Behi d	48	0	Ret i ed	
R8	B2/B66A RRH-BR049	15	15	75.5	3		Behi d	48	0	Ret i ed	
R5	MT6407-77A	35.1	16.1	25.5	4		Fro t	42.96	0	Ret i ed	
A11	B A-70080-6CF	71	8	4	5		Fro t	42.96	0	Ret i ed	04/16/2021
MP5B	5 O i	60	2			Me er				Ret i ed	
MP5C	5 O i	60	2			Me er				Ret i ed	
OVP	DB-C1-12C-24AB-0Z	29.5	16.5			Me er				Ret i ed	





Antenna Mount Mapping Form (PATENT PENDING)

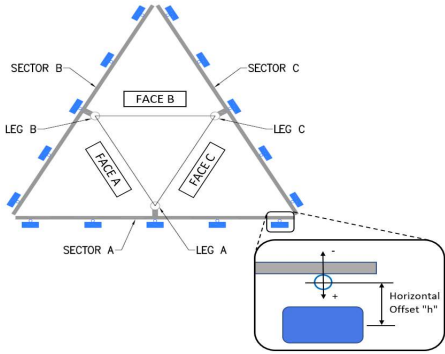
FCC #
UNKNOWN

Tower Owner:	ATC	Mapping Date:	04-16-2021
Site Name:	ATC : WSPT-WESTPORT REBUILD CT, V2W : WEST PORT 2 CT	Tower Type:	Monopole
Site Number or ID:	ATC : 310968, V2W:468226	Tower Height (Ft.):	UNKNOWN
Mapping Contractor:	RKS Design & Engineering, LLC	Mount Elevation (Ft.):	107.62

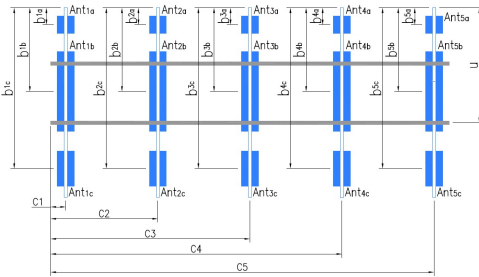
This antenna mapping form is the property of TES and under PATENT PENDING. The formation contained herein is considered confidential in nature and is to be used only for the specific customer it was intended for. Reproduction, transmission, publication, modification or disclosure by any method is prohibited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

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

Mount Pipe Configuration and Geometries [Unit = Inches]							
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	PIPE 2.375" Ø X 0.15" X 84" LONG	62.75	4.00	C1	PIPE 2.375" Ø X 0.15" X 84" LONG	62.75	4.00
A2	PIPE 2.875" Ø X 0.22" X 98" LONG	73.75	39.50	C2	PIPE 2.875" Ø X 0.22" X 98" LONG	73.75	39.50
A3	PIPE 2.375" Ø X 0.15" X 84" LONG	62.75	74.50	C3	PIPE 2.375" Ø X 0.15" X 84" LONG	62.75	74.50
A4	PIPE 2.375" Ø X 0.15" X 84" LONG	62.75	124.50	C4	PIPE 2.375" Ø X 0.15" X 84" LONG	62.75	124.50
A5	PIPE 2.375" Ø X 0.15" X 84" LONG	62.75	145.50	C5	PIPE 2.375" Ø X 0.15" X 84" LONG	62.75	145.50
A6				C6			
B1	PIPE 2.375" Ø X 0.15" X 84" LONG	62.75	4.00	D1			
B2	PIPE 2.875" Ø X 0.22" X 98" LONG	73.75	39.50	D2			
B3	PIPE 2.375" Ø X 0.15" X 84" LONG	62.75	74.50	D3			
B4	PIPE 2.375" Ø X 0.15" X 84" LONG	62.75	124.50	D4			
B5	PIPE 2.375" Ø X 0.15" X 84" LONG	62.75	145.50	D5			
B6				D6			
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :							
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :							
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :							
Please enter additional information or comments below.							
Tower Face Width at Mount Elev. (ft.):							
Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):							
For T-Arms/Platforms on monopoles, report the weld size from the main standoff to the plate bolting into the collar mount.							



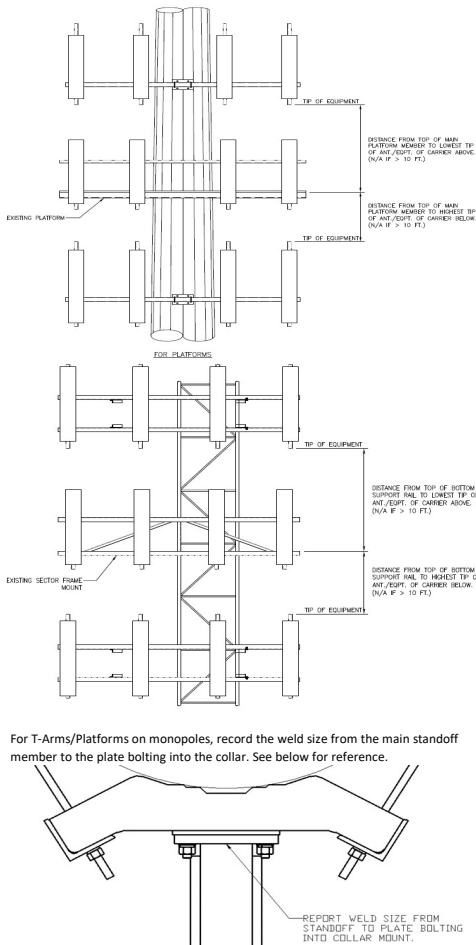
Ants. Items	Enter antenna model. If not labeled, enter "Unknown".					Mounting Locations [Units are inches and degrees]				Photos of antennas
	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances "b _{1a} , b _{2a} , b _{3a} , b _{1b} ,..." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	
Sector A										
Ant _{1a}	UHIE, B66a RRH 4x45	11.80	7.20	25.80		111.016	22.00	-6.00		228
Ant _{1b}										
Ant _{1c}										
Ant _{2a}	B13 RRH4x30	11.80	7.50	20.90		110.203	42.75	-6.25		234
Ant _{2b}	(2)JAHH-65B-R3B	13.80	8.20	72.00		109.974	45.50	13.50	20.00	27
Ant _{2c}										
Ant _{3a}	UHFA, B25 RRH 4x30	12.00	7.20	21.20		110.683	26.00	-7.00		236
Ant _{3b}										
Ant _{3c}										
Ant _{4a}	UNKNOWN-RRU	7.00	1.00	5.00		108.891	47.50	-2.75		240
Ant _{4b}	BXA-171063-8BF-EDIN	6.10	4.10	48.50		108.662	50.25	8.00	20.00	27
Ant _{4c}										
Ant _{5a}										
Ant _{5b}	BXA70080-6CF-EDIN	8.00	6.00	71.00		109.266	43.00	10.00	20.00	27
Ant _{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										



Antenna Layout (Looking Out From Tower)

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector				Sector B																	
Sector A:	20.00	Deg	Leg A:		Deg	Sector B:	140.00	Deg	Leg B:		Deg	Sector C:	260.00	Deg	Leg C:		Deg	Sector D:		Deg	Leg D:		Deg		
Climbing Facility Information				Location:	80.00	Deg	N/A				Ant _{1a}	UHIE, B66a RRH 4x45	11.80	7.20	25.80		111.016	22.00	-6.00		116				
Climbing Facility	Corrosion Type:			N/A				Ant _{1b}																	
	Access:			Climbing path was unobstructed.				Ant _{1c}																	
	Condition:			Good condition.				Ant _{2a}	B13 RRH4x30	11.80	7.50	20.90		110.203	42.75	-6.25		119							
								Ant _{2b}	(2)JAHH-65B-R3B	13.80	8.20	72.00		109.974	45.50	13.50	140.00	16							
				Ant _{2c}																					
				Ant _{3a}	UHFA, B25 RRH 4x30	12.00	7.20	21.20		110.683	26.00	-7.00													
				Ant _{3b}																					
				Ant _{3c}																					
				Ant _{4a}	UNKNOWN-RRU	7.00	1.00	5.00		108.891	47.50	-2.75													
				Ant _{4b}	BXA-171063-8BF-EDIN	6.10	4.10	48.50		108.662	50.25	8.00	140.00	16											
				Ant _{4c}																					
				Ant _{5a}	UNKNOWN-OMNI	1.00	1.00	66.00		114.849	-24.00	-2.50													
				Ant _{5b}	BXA70080-6CF-EDIN	8.00	6.00	71.00		109.266	43.00	10.00	140.00	16											
				Ant _{5c}																					
				Ant on Standoff																					
				Ant on Standoff																					
				Ant on Tower	RHSDC-6627-PF-48	16.50	12.60	29.50			84.75	8.00		128											
				Ant on Tower																					
											Sector C														
				Ant _{1a}	UHIE, B66a RRH 4x45	11.80	7.20	25.80		111.016	22.00	-6.00													
				Ant _{1b}																					
				Ant _{1c}																					
				Ant _{2a}	B13 RRH4x30	11.80	7.50	20.90		110.203	42.75	-6.25													
				Ant _{2b}	(2)JAHH-65B-R3B	13.80	8.20	72.00		109.974	45.50	13.50	260.00	20											
				Ant _{2c}																					
				Ant _{3a}	UHFA, B25 RRH 4x30	12.00	7.20	21.20		110.683	26.00	-7.00													
				Ant _{3b}																					
				Ant _{3c}																					
				Ant _{4a}	UNKNOWN-RRU	7.00	1.00	5.00		108.891	47.50	-2.75													
				Ant _{4b}	BXA-171063-8BF-EDIN	6.10	4.10	48.50		108.662	50.25	8.00	260.00	20											
				Ant _{4c}																					
				Ant _{5a}	UNKNOWN-OMNI	1.00	1.00	66.00		114.849	-24.00	-2.50													
				Ant _{5b}	BXA70080-6CF-EDIN	8.00	6.00	71.00		109.266	43.00	10.00	260.00	20											
				Ant _{5c}																					
				Ant on Standoff																					
				Ant on Standoff																					
				Ant on Tower	RRFDC-3315-PF-48	15.73	10.25	25.66			82.75	7.00		180											
				Ant on Tower																					
											Sector D														
				Ant _{1a}																					
				Ant _{1b}																					
				Ant _{1c}																					
				Ant _{2a}																					
				Ant _{2b}																					
				Ant _{2c}																					
				Ant _{3a}																					
				Ant _{3b}																					
				Ant _{3c}																					
				Ant _{4a}																					
				Ant _{4b}																					
				Ant _{4c}																					
				Ant _{5a}																					
				Ant _{5b}																					
				Ant _{5c}																					
				Ant on Standoff																					
				Ant on Standoff																					
				Ant on Tower																					
				Ant on Tower																					

Please insert a photo of the mount centerline measurement here.



Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #
1	TOTAL COAX (14) : (12) FH 1-5/8, (1) 1.625" Ø HYBRID, (1) 2" Ø HYBRID	35
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:	TOTAL COAX (14) : (12) FH 1-5/8, (1) 1.625" Ø, (1) 2" Ø		
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
<ol style="list-style-type: none"> 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.



PAUL J. FORD & COMPANY

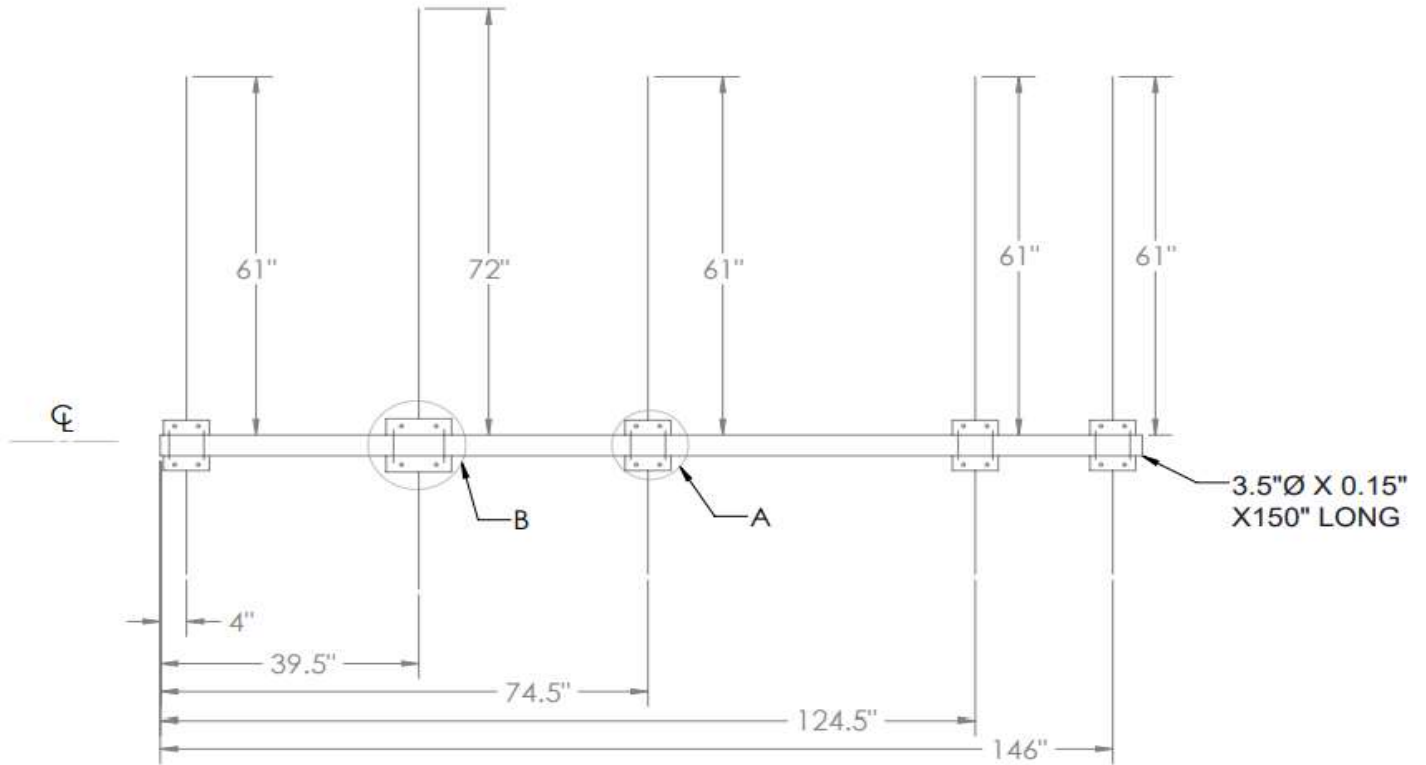
Antenna Mount Mapping Form (PATENT PENDING)

FCC #
UNKNOWN

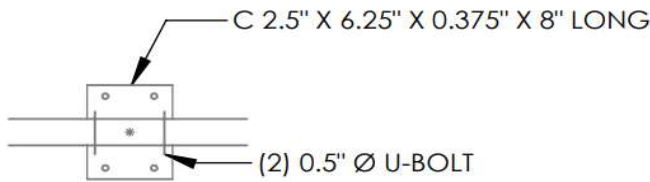
Tower Owner:	ATC	Mapping Date:	04-16-2021
Site Name:	ATC : WSPT-WESTPORT REBUILD CT, VZW : WEST PORT 2 CT	Tower Type:	Monopole
Site Number or ID:	ATC : 310968, VZW:468226	Tower Height (Ft.):	UNKNOWN
Mapping Contractor:	RKS Design & Engineering, LLC	Mount Elevation (Ft.):	107.62

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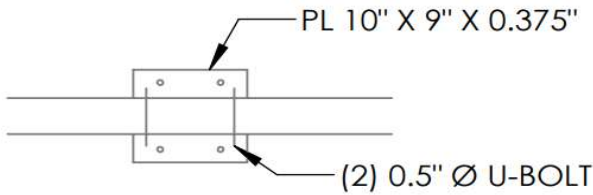
Please Insert Sketches of the Antenna Mount



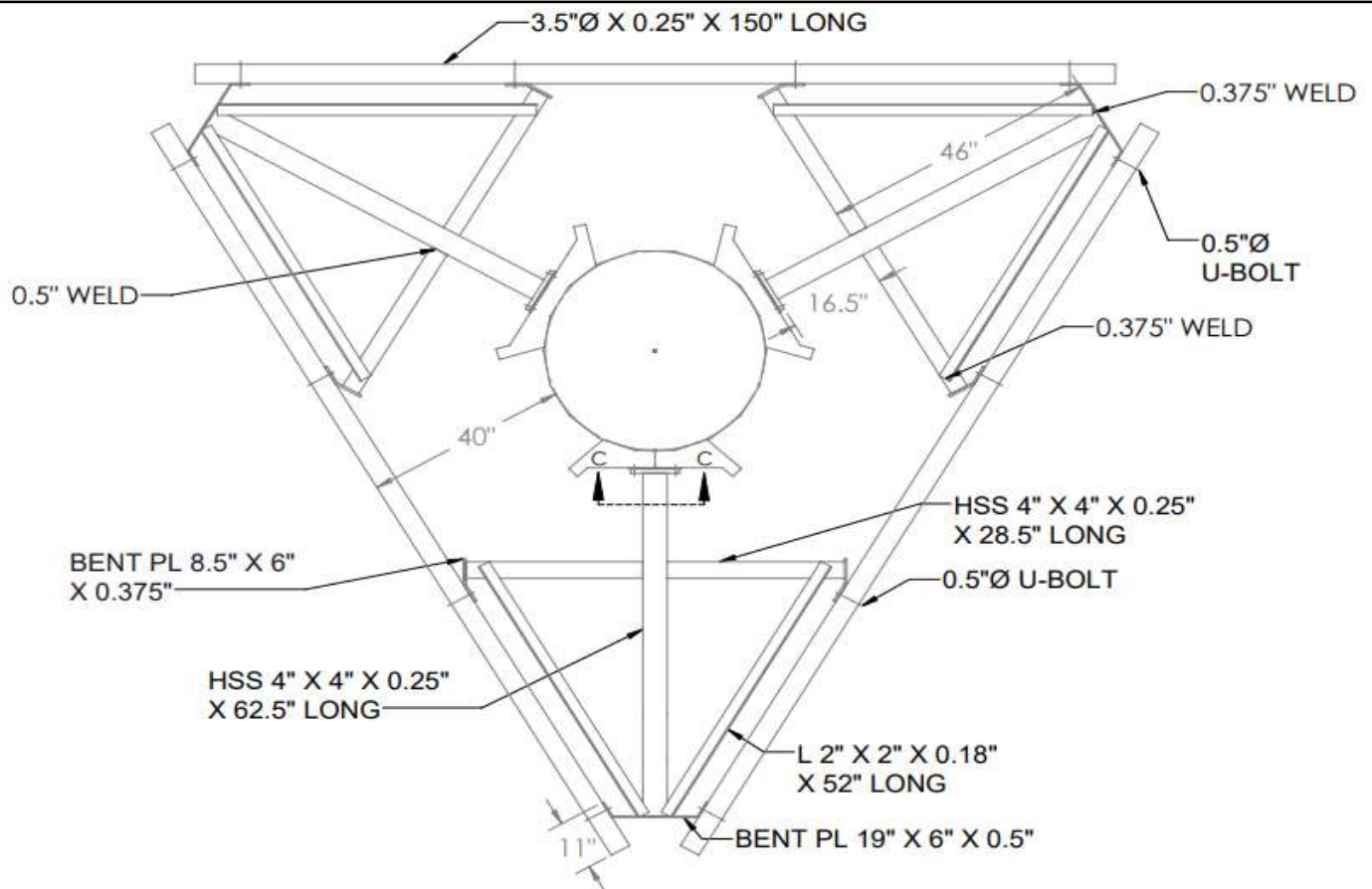
SECTOR A,B,C



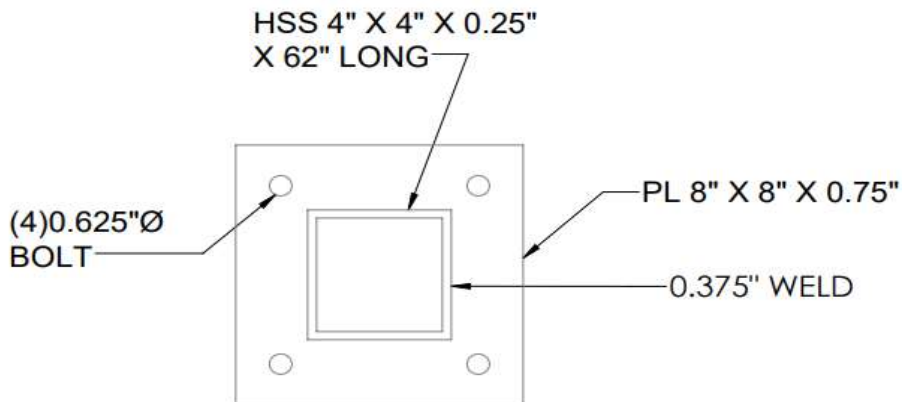
DETAIL A



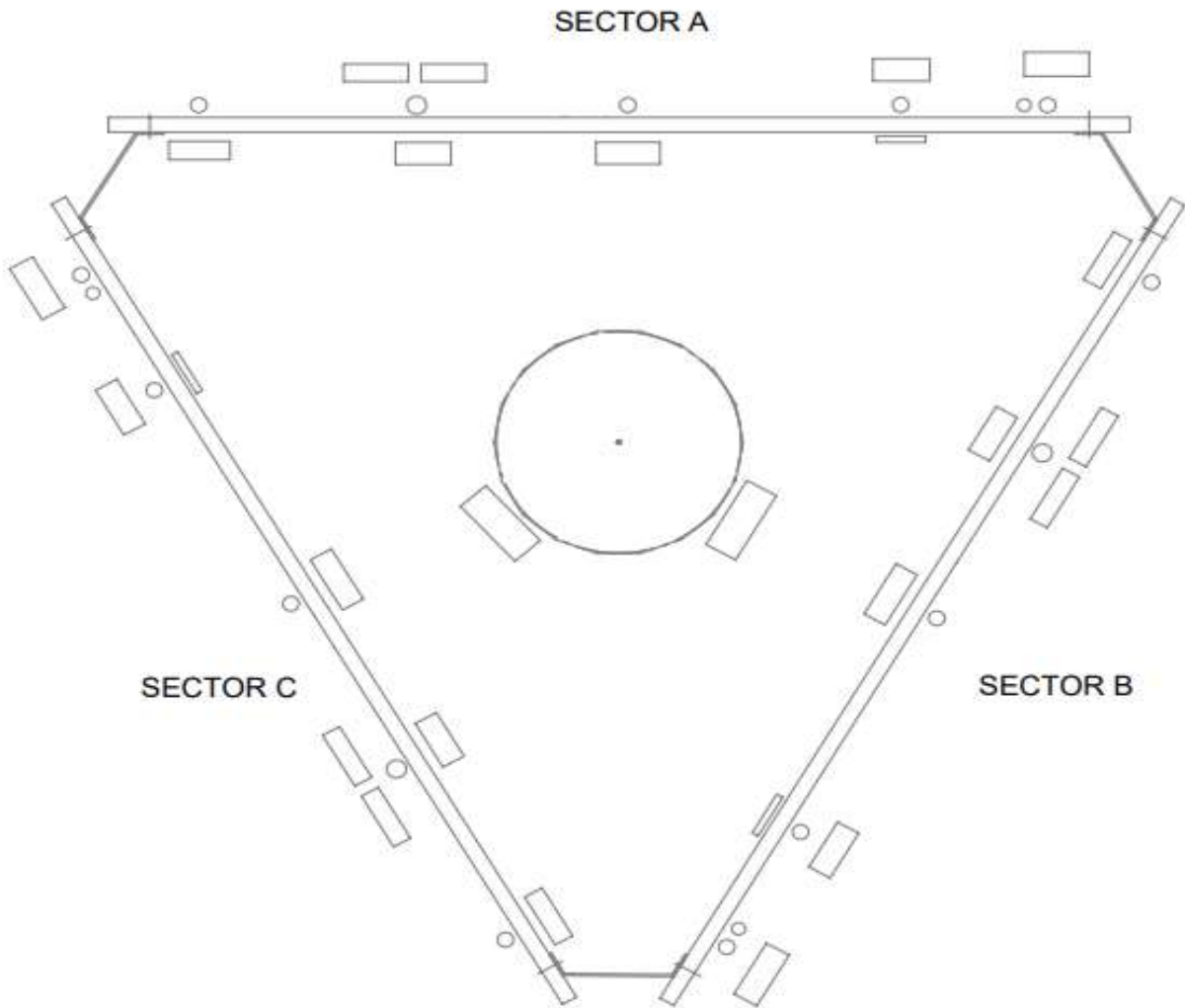
DETAIL B



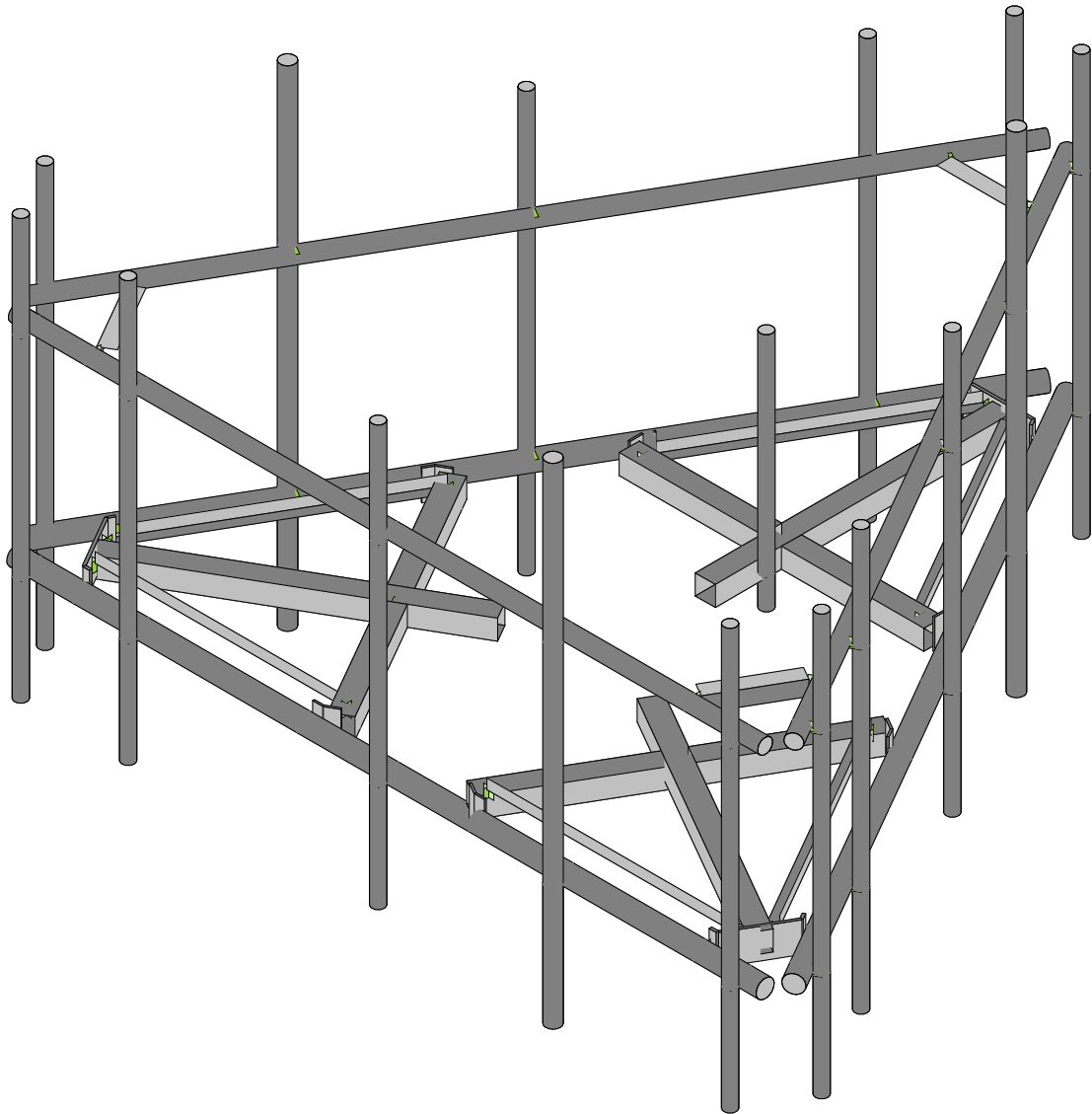
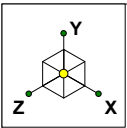
MOUNT PLAN VIEW



SECTION C-C



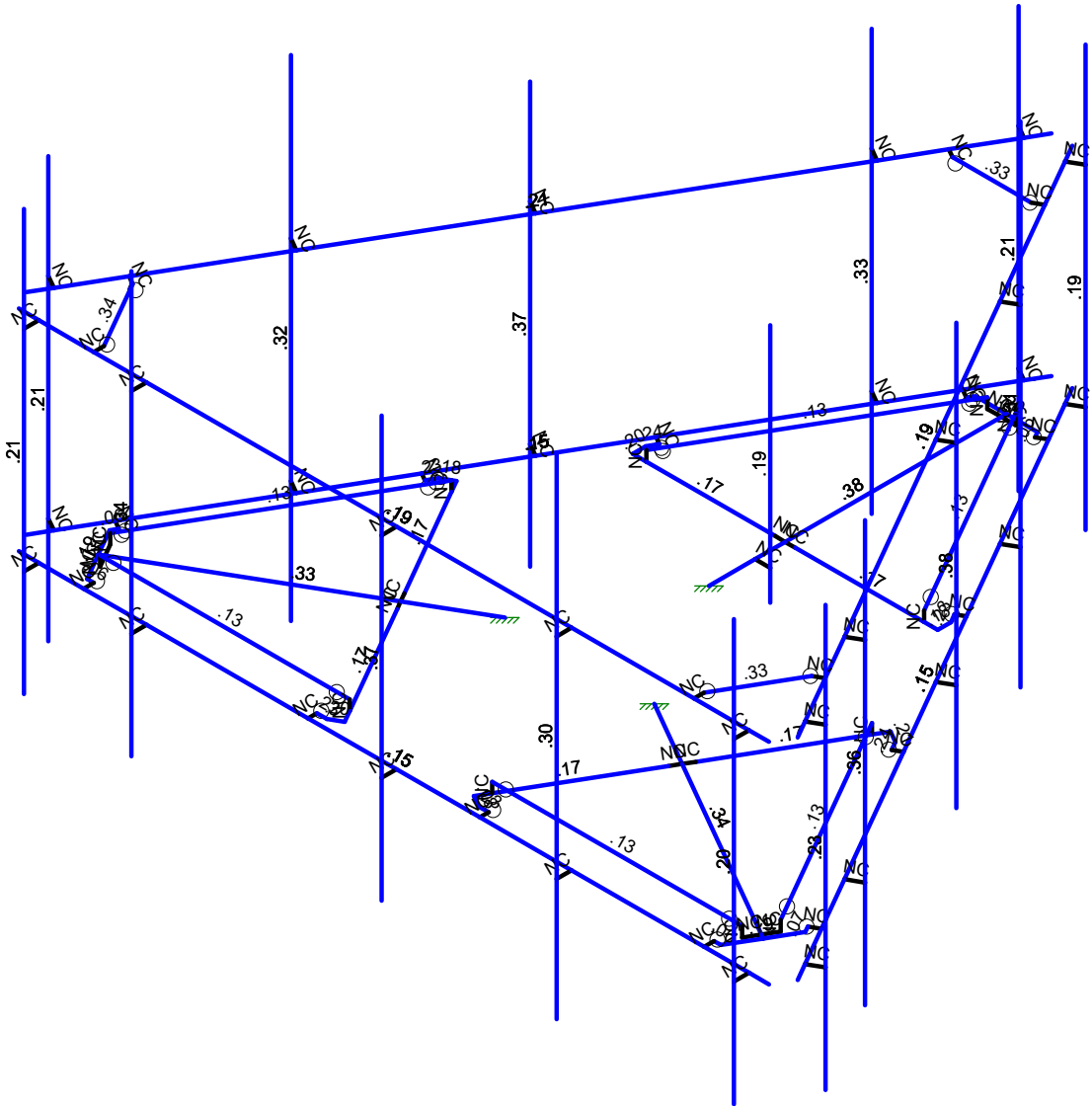
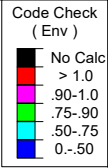
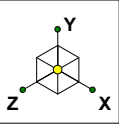
ANTENNA PLAN VIEW



SK - 1

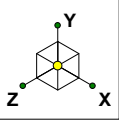
Aug 10, 2023 at 10:33 AM

5000385765-VZW_MT_LO_H.r3d



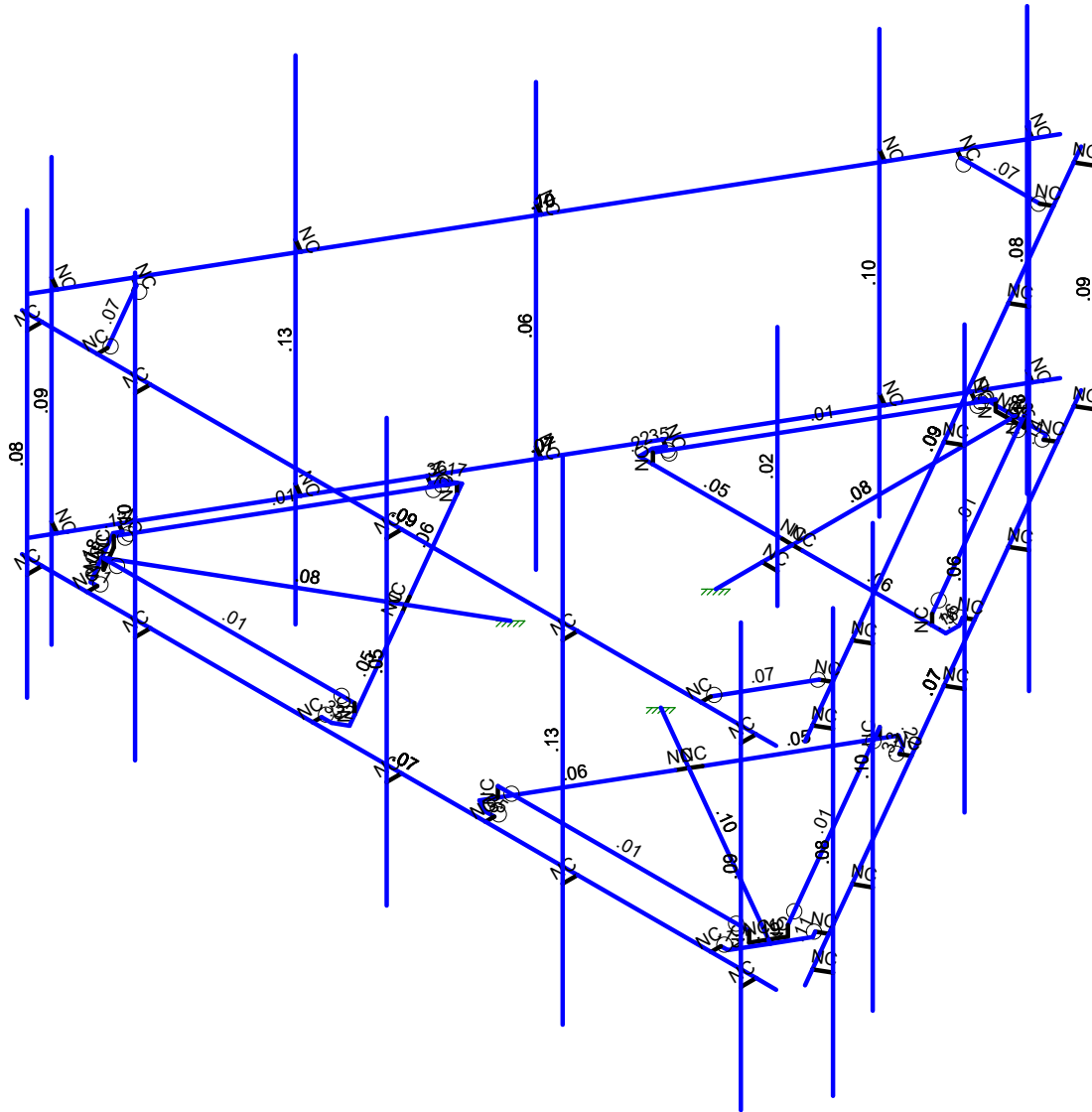
Member Code Checks Displayed (Enveloped)
Results for LC 1, 1.2D+1.0Wo (0 Deg)

		SK - 2
		Aug 10, 2023 at 10:33 AM
		5000385765-VZW_MT_LO_H.r3d



Shear Check (Env)

- No Calc
- > 1.0
- .90-1.0
- .75-.90
- .50-.75
- 0-.50



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

	SK - 3
	Aug 10, 2023 at 10:33 AM
	5000385765-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	DistributedArea(Me... Surface(...	
1	Antenna D	None					144		
2	Antenna Di	None					144		
3	Antenna Wo (0 Deg)	None					144		
4	Antenna Wo (30 Deg)	None					144		
5	Antenna Wo (60 Deg)	None					144		
6	Antenna Wo (90 Deg)	None					144		
7	Antenna Wo (120 Deg)	None					144		
8	Antenna Wo (150 Deg)	None					144		
9	Antenna Wo (180 Deg)	None					144		
10	Antenna Wo (210 Deg)	None					144		
11	Antenna Wo (240 Deg)	None					144		
12	Antenna Wo (270 Deg)	None					144		
13	Antenna Wo (300 Deg)	None					144		
14	Antenna Wo (330 Deg)	None					144		
15	Antenna Wi (0 Deg)	None					144		
16	Antenna Wi (30 Deg)	None					144		
17	Antenna Wi (60 Deg)	None					144		
18	Antenna Wi (90 Deg)	None					144		
19	Antenna Wi (120 Deg)	None					144		
20	Antenna Wi (150 Deg)	None					144		
21	Antenna Wi (180 Deg)	None					144		
22	Antenna Wi (210 Deg)	None					144		
23	Antenna Wi (240 Deg)	None					144		
24	Antenna Wi (270 Deg)	None					144		
25	Antenna Wi (300 Deg)	None					144		
26	Antenna Wi (330 Deg)	None					144		
27	Antenna Wm (0 Deg)	None					144		
28	Antenna Wm (30 Deg)	None					144		
29	Antenna Wm (60 Deg)	None					144		
30	Antenna Wm (90 Deg)	None					144		
31	Antenna Wm (120 Deg)	None					144		
32	Antenna Wm (150 Deg)	None					144		
33	Antenna Wm (180 Deg)	None					144		
34	Antenna Wm (210 Deg)	None					144		
35	Antenna Wm (240 Deg)	None					144		
36	Antenna Wm (270 Deg)	None					144		
37	Antenna Wm (300 Deg)	None					144		
38	Antenna Wm (330 Deg)	None					144		
39	Structure D	None		-1					3
40	Structure Di	None						61	3
41	Structure Wo (0 Deg)	None						122	
42	Structure Wo (30 Deg)	None						122	
43	Structure Wo (60 Deg)	None						122	
44	Structure Wo (90 Deg)	None						122	
45	Structure Wo (120 Deg)	None						122	
46	Structure Wo (150 Deg)	None						122	
47	Structure Wo (180 Deg)	None						122	
48	Structure Wo (210 Deg)	None						122	
49	Structure Wo (240 Deg)	None						122	
50	Structure Wo (270 Deg)	None						122	
51	Structure Wo (300 Deg)	None						122	
52	Structure Wo (330 Deg)	None						122	
53	Structure Wi (0 Deg)	None						122	
54	Structure Wi (30 Deg)	None						122	
55	Structure Wi (60 Deg)	None						122	
56	Structure Wi (90 Deg)	None						122	



Company :
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Basic Load Cases (Continued)

BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	DistributedArea(Me... Surface(...
57 Structure Wi (120 Deg)	None						122
58 Structure Wi (150 Deg)	None						122
59 Structure Wi (180 Deg)	None						122
60 Structure Wi (210 Deg)	None						122
61 Structure Wi (240 Deg)	None						122
62 Structure Wi (270 Deg)	None						122
63 Structure Wi (300 Deg)	None						122
64 Structure Wi (330 Deg)	None						122
65 Structure Wm (0 Deg)	None						122
66 Structure Wm (30 Deg)	None						122
67 Structure Wm (60 Deg)	None						122
68 Structure Wm (90 Deg)	None						122
69 Structure Wm (120 Deg)	None						122
70 Structure Wm (150 Deg)	None						122
71 Structure Wm (180 Deg)	None						122
72 Structure Wm (210 Deg)	None						122
73 Structure Wm (240 Deg)	None						122
74 Structure Wm (270 Deg)	None						122
75 Structure Wm (300 Deg)	None						122
76 Structure Wm (330 Deg)	None						122
77 Lm1	None					1	
78 Lm2	None					1	
79 Lv1	None					1	
80 Lv2	None					1	
81 Antenna Ev	None					144	
82 Antenna Eh (0 Deg)	None					96	
83 Antenna Eh (90 Deg)	None					96	
84 Structure Ev	ELY		-049				3
85 Structure Eh (0 Deg)	ELZ			-124			3
86 Structure Eh (90 Deg)	ELX	.124					3
87 BLC 39 Transient Area Loads	None						30
88 BLC 40 Transient Area Loads	None						30
89 BLC 84 Transient Area Loads	None						30
90 BLC 85 Transient Area Loads	None						30
91 BLC 86 Transient Area Loads	None						30

Load Combinations

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



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Load Combinations (Continued)

Description	Solve	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	BLCFa...	BLCFa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
75 0.9D - 1.0Ev + 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	-5	E...	.866	E...	-5

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	6.25	0	3.810523	0	
2	N2	-6.25	0	3.810523	0	
3	N3	0	0	-1.4375	0	
4	N5	-2.541667	0	-2.708333	0	
5	N6	2.315104	0.166667	-2.708333	0	
6	N7	-2.315104	0.166667	-2.708333	0	
7	N24	0	0	-2.708333	0	
8	N27	0	0	-6.395833	0	
9	CP	0	0	0	0	
10	N29	2.315104	0	-2.708333	0	
11	N30	-2.315104	0	-2.708333	0	
12	N101	2.541667	0	-2.708333	0	
13	N102	-0.166667	0	-2.708333	0	
14	N103A	0.166667	0	-2.708333	0	
15	N104A	-2.541667	0	-2.927083	0	
16	N105	2.541667	0	-2.927083	0	
17	N131	2.458333	0	-3.071421	0	
18	N135	0.571615	0	-6.298857	0	
19	N144	-2.458333	0	-3.071421	0	
20	N148	-0.571615	0	-6.298857	0	
21	N86A	2.584629	0	-3.144338	0	
22	N86B	-2.584629	0	-3.144338	0	
23	N86C	-0.515625	0	-6.395833	0	
24	N87A	0.515625	0	-6.395833	0	
25	N86D	0.715429	0	-6.381888	0	
26	N86E	-0.715429	0	-6.381888	0	
27	N88A	0	0	-6.3125	0	
28	N87C	0.234238	0.166667	-6.3125	0	
29	N86G	0.234238	0	-6.3125	0	
30	N87B	-0.234238	0.166667	-6.3125	0	
31	N88C	-0.234238	0	-6.3125	0	
32	N88B	-1.074652	0	3.555315	0	
33	N89	-3.503038	0.166667	-0.650772	0	
34	N90	-1.187933	0.166667	3.359106	0	
35	N91	-2.345485	0	1.354167	0	
36	N92	-5.538954	0	3.197917	0	
37	N93	-3.503038	0	-0.650772	0	
38	N94	-1.187933	0	3.359106	0	
39	N95	-3.616319	0	-0.846981	0	
40	N96	-2.262152	0	1.498504	0	
41	N97	-2.428819	0	1.209829	0	
42	N98	-1.264095	0	3.66469	0	
43	N99	-3.805762	0	-0.737606	0	
44	N100	-3.889095	0	-0.593269	0	
45	N101A	-5.740777	0	2.654396	0	
46	N102A	-1.430762	0	3.66469	0	
47	N103	-5.169162	0	3.644461	0	
48	N104	-4.015391	0	-0.666185	0	
49	N105A	-1.430762	0	3.810523	0	
50	N106	-5.281142	0	3.644461	0	
51	N107	-5.796767	0	2.751372	0	



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Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
52	N108	-5.884591	0	2.571364	0	
53	N109	-5.169162	0	3.810523	0	
54	N110	-5.466785	0	3.15625	0	
55	N111	-5.583904	0.166667	2.953394	0	
56	N112	-5.583904	0	2.953394	0	
57	N113	-5.349667	0.166667	3.359106	0	
58	N114	-5.349667	0	3.359106	0	
59	N116	3.616319	0	-0.846981	0	
60	N117	1.187933	0.166667	3.359106	0	
61	N118	3.503038	0.166667	-0.650772	0	
62	N119	2.345485	0	1.354167	0	
63	N120	5.538954	0	3.197917	0	
64	N121	1.187933	0	3.359106	0	
65	N122	3.503038	0	-0.650772	0	
66	N123	1.074652	0	3.555315	0	
67	N124	2.428819	0	1.209829	0	
68	N125	2.262152	0	1.498504	0	
69	N126	3.805762	0	-0.737606	0	
70	N127	1.264095	0	3.66469	0	
71	N128	1.430762	0	3.66469	0	
72	N129	5.169162	0	3.644461	0	
73	N130	3.889095	0	-0.593269	0	
74	N131A	5.740777	0	2.654396	0	
75	N132	1.430762	0	3.810523	0	
76	N133	4.015391	0	-0.666186	0	
77	N134	5.796767	0	2.751372	0	
78	N135A	5.281142	0	3.644461	0	
79	N136	5.169162	0	3.810523	0	
80	N137	5.884591	0	2.571364	0	
81	N138	5.466785	0	3.15625	0	
82	N139	5.349667	0.166667	3.359106	0	
83	N140	5.349667	0	3.359106	0	
84	N141	5.583904	0.166667	2.953394	0	
85	N142	5.583904	0	2.953394	0	
86	N104B	0.17501	0	-7.31792	0	
87	N105B	6.42501	0	3.507397	0	
88	N124A	-6.42501	0	3.507397	0	
89	N125A	-0.17501	0	-7.31792	0	
90	N142B	-1.244912	0	0.71875	0	
91	N145	1.244912	0	0.71875	0	
92	N92A	5.916667	0	3.810523	0	
93	N93A	2.958333	0	3.810523	0	
94	N94A	0.041667	0	3.810523	0	
95	N95A	-4.125	0	3.810523	0	
96	N96A	-5.916667	0	3.810523	0	
97	N97A	5.916667	0	4.060523	0	
98	N98A	2.958333	0	4.060523	0	
99	N99A	0.041667	0	4.060523	0	
100	N100A	-4.125	0	4.060523	0	
101	N101B	-5.916667	0	4.060523	0	
102	N102B	5.916667	5.229167	4.060523	0	
103	N103B	0.041667	5.229167	4.060523	0	
104	N104C	-4.125	5.229167	4.060523	0	
105	N105C	-5.916667	5.229167	4.060523	0	
106	N106A	5.916667	-1.770833	4.060523	0	
107	N107A	0.041667	-1.770833	4.060523	0	
108	N108A	-4.125	-1.770833	4.060523	0	



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Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
109	N109A	-5.916667	-1.770833	4.060523	0	
110	N110A	2.958333	6.145833	4.060523	0	
111	N111A	2.958333	-2.020833	4.060523	0	
112	N113A	0.341677	0	-7.029245	0	
113	N114A	1.820843	0	-4.467253	0	
114	N115	3.279177	0	-1.941346	0	
115	N116A	5.36251	0	1.667093	0	
116	N117A	6.258343	0	3.218722	0	
117	N118A	0.558183	0	-7.154245	0	
118	N119A	2.03735	0	-4.592253	0	
119	N120A	3.495683	0	-2.066346	0	
120	N121A	5.579016	0	1.542093	0	
121	N122A	6.47485	0	3.093722	0	
122	N123A	0.558183	5.229167	-7.154245	0	
123	N124B	3.495683	5.229167	-2.066346	0	
124	N125B	5.579016	5.229167	1.542093	0	
125	N126A	6.47485	5.229167	3.093722	0	
126	N127A	0.558183	-1.770833	-7.154245	0	
127	N128A	3.495683	-1.770833	-2.066346	0	
128	N129A	5.579016	-1.770833	1.542093	0	
129	N130A	6.47485	-1.770833	3.093722	0	
130	N131B	2.03735	6.145833	-4.592253	0	
131	N132A	2.03735	-2.020833	-4.592253	0	
132	N134A	-6.258343	0	3.218722	0	
133	N135B	-4.779177	0	0.65673	0	
134	N136A	-3.320843	0	-1.869177	0	
135	N137A	-1.23751	0	-5.477616	0	
136	N138A	-0.341677	0	-7.029245	0	
137	N139A	-6.47485	0	3.093722	0	
138	N140A	-4.995683	0	0.53173	0	
139	N141A	-3.53735	0	-1.994177	0	
140	N142A	-1.454016	0	-5.602616	0	
141	N143	-0.558183	0	-7.154245	0	
142	N144A	-6.47485	5.229167	3.093722	0	
143	N145A	-3.53735	5.229167	-1.994177	0	
144	N146	-1.454016	5.229167	-5.602616	0	
145	N147	-0.558183	5.229167	-7.154245	0	
146	N148A	-6.47485	-1.770833	3.093722	0	
147	N149	-3.53735	-1.770833	-1.994177	0	
148	N150	-1.454016	-1.770833	-5.602616	0	
149	N151	-0.558183	-1.770833	-7.154245	0	
150	N152	-4.995683	6.145833	0.53173	0	
151	N153	-4.995683	-2.020833	0.53173	0	
152	N158	0	0	-2.208333	0	
153	N159	.25	0	-2.208333	0	
154	N160	.25	-.5	-2.208333	0	
155	N161	.25	3.5	-2.208333	0	
156	N156	6.25	3.5	3.810523	0	
157	N157	-6.25	3.5	3.810523	0	
158	N158A	0.17501	3.5	-7.31792	0	
159	N159A	6.42501	3.5	3.507397	0	
160	N160A	-6.42501	3.5	3.507397	0	
161	N161A	-0.17501	3.5	-7.31792	0	
162	N162	5.916667	3.5	3.810523	0	
163	N163	2.958333	3.5	3.810523	0	
164	N164	0.041667	3.5	3.810523	0	
165	N165	-4.125	3.5	3.810523	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
166	N166	-5.916667	3.5	3.810523	0	
167	N167	5.916667	3.5	4.060523	0	
168	N168	2.958333	3.5	4.060523	0	
169	N169	0.041667	3.5	4.060523	0	
170	N170	-4.125	3.5	4.060523	0	
171	N171	-5.916667	3.5	4.060523	0	
172	N172	0.341677	3.5	-7.029245	0	
173	N173	1.820843	3.5	-4.467253	0	
174	N174	3.279177	3.5	-1.941346	0	
175	N175	5.36251	3.5	1.667093	0	
176	N176	6.258343	3.5	3.218722	0	
177	N177	0.558183	3.5	-7.154245	0	
178	N178	2.03735	3.5	-4.592253	0	
179	N179	3.495683	3.5	-2.066346	0	
180	N180	5.579016	3.5	1.542093	0	
181	N181	6.47485	3.5	3.093722	0	
182	N182	-6.258343	3.5	3.218722	0	
183	N183	-4.779177	3.5	0.65673	0	
184	N184	-3.320843	3.5	-1.869177	0	
185	N185	-1.23751	3.5	-5.477616	0	
186	N186	-0.341677	3.5	-7.029245	0	
187	N187	-6.47485	3.5	3.093722	0	
188	N188	-4.995683	3.5	0.53173	0	
189	N189	-3.53735	3.5	-1.994177	0	
190	N190	-1.454016	3.5	-5.602616	0	
191	N191	-0.558183	3.5	-7.154245	0	
192	N192	-5	3.5	3.810523	0	
193	N193	-5	3.5	3.643857	0	
194	N194	5	3.5	3.810523	0	
195	N195	5	3.5	3.643857	0	
196	N196	5.80001	3.5	2.424865	0	
197	N197	5.655672	3.5	2.508199	0	
198	N198	0.80001	3.5	-6.235389	0	
199	N199	0.655672	3.5	-6.152055	0	
200	N200	-0.80001	3.5	-6.235389	0	
201	N201	-0.655672	3.5	-6.152055	0	
202	N202	-5.80001	3.5	2.424865	0	
203	N203	-5.655672	3.5	2.508199	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE 3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Standoff Horizontal	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
3	Corner Plate	PL1/2x6	Beam	BAR	A36 Gr.36	Typical	3	.063	9	.237
4	Platform Crossmember	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
5	Grating Support	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
6	Mount Pipe	PIPE 2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
7	Cross Arm Plate	PL3/8x6	Column	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
8	Dual Mount Pipe	PIPE 2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
9	Support Rail	PIPE 2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
10	Support Rail Corner	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031



Company :
 Designer :
 Job Number :
 Model Name :

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Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N1	N2			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
2	M4	N3	N27			Standoff Horizontal	Beam	SquareTube	A500 Gr.B...	Typical
3	M10	N101	N103A			Platform Crossme...	Beam	SquareTube	A500 Gr.B...	Typical
4	M43	N102	N5			Platform Crossme...	Beam	SquareTube	A500 Gr.B...	Typical
5	M46	N86C	N87A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
6	M35A	N7	N30			RIGID	None	None	RIGID	Typical
7	M36A	N6	N29			RIGID	None	None	RIGID	Typical
8	M51B	N87C	N6			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
9	M52B	N7	N87B			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
10	M52	N87B	N88C			RIGID	None	None	RIGID	Typical
11	M58	N102	N24			RIGID	None	None	RIGID	Typical
12	M59	N24	N103A			RIGID	None	None	RIGID	Typical
13	M76	N101	N105			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
14	M77	N105	N131			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
15	M79	N131	N86A			RIGID	None	None	RIGID	Typical
16	M80	N87A	N135			Corner Plate	Beam	BAR	A36 Gr.36	Typical
17	M83	N135	N86D			RIGID	None	None	RIGID	Typical
18	M84	N5	N104A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
19	M85	N104A	N144			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
20	M88	N144	N86B			RIGID	None	None	RIGID	Typical
21	M91	N86C	N148			Corner Plate	Beam	BAR	A36 Gr.36	Typical
22	M92	N148	N86E			RIGID	None	None	RIGID	Typical
23	M50	N88C	N88A			RIGID	None	None	RIGID	Typical
24	M51	N88A	N86G			RIGID	None	None	RIGID	Typical
25	M51A	N87C	N86G			RIGID	None	None	RIGID	Typical
26	M53	N95	N97			Platform Crossme...	Beam	SquareTube	A500 Gr.B...	Typical
27	M54	N96	N88B			Platform Crossme...	Beam	SquareTube	A500 Gr.B...	Typical
28	M55	N106	N107			Corner Plate	Beam	BAR	A36 Gr.36	Typical
29	M56	N90	N94			RIGID	None	None	RIGID	Typical
30	M57	N89	N93			RIGID	None	None	RIGID	Typical
31	M58A	N111	N89			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
32	M59A	N90	N113			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
33	M60	N113	N114			RIGID	None	None	RIGID	Typical
34	M61	N96	N91			RIGID	None	None	RIGID	Typical
35	M62	N91	N97			RIGID	None	None	RIGID	Typical
36	M63	N95	N99			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
37	M64	N99	N100			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
38	M65	N100	N104			RIGID	None	None	RIGID	Typical
39	M66	N107	N101A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
40	M67	N101A	N108			RIGID	None	None	RIGID	Typical
41	M68	N88B	N98			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
42	M69	N98	N102A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
43	M70	N102A	N105A			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
44	M71	N106	N103			Corner Plate	Beam	BAR	A36 Gr.36	Typical
45	M72	N103	N109			RIGID	None	None	RIGID	Typical
46	M73	N114	N110			RIGID	None	None	RIGID	Typical
47	M74	N110	N112			RIGID	None	None	RIGID	Typical
48	M75	N111	N112			RIGID	None	None	RIGID	Typical
49	M77A	N123	N125			Platform Crossme...	Beam	SquareTube	A500 Gr.B...	Typical
50	M78	N124	N116			Platform Crossme...	Beam	SquareTube	A500 Gr.B...	Typical
51	M79A	N134	N135A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
52	M80A	N118	N122			RIGID	None	None	RIGID	Typical
53	M81	N117	N121			RIGID	None	None	RIGID	Typical
54	M82	N139	N117			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
55	M83A	N118	N141			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
56	M84A	N141	N142			RIGID	None	None	RIGID	Typical
57	M85A	N124	N119			RIGID	None	None	RIGID	Typical
58	M86	N119	N125			RIGID	None	None	RIGID	Typical
59	M87	N123	N127			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
60	M88A	N127	N128			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
61	M89	N128	N132			RIGID	None	None	RIGID	Typical
62	M90	N135A	N129			Corner Plate	Beam	BAR	A36 Gr.36	Typical
63	M91A	N129	N136			RIGID	None	None	RIGID	Typical
64	M92A	N116	N126			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
65	M93	N126	N130			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
66	M94	N130	N133			RIGID	None	None	RIGID	Typical
67	M95	N134	N131A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
68	M96	N131A	N137			RIGID	None	None	RIGID	Typical
69	M97	N142	N138			RIGID	None	None	RIGID	Typical
70	M98	N138	N140			RIGID	None	None	RIGID	Typical
71	M99	N139	N140			RIGID	None	None	RIGID	Typical
72	M82A	N104B	N105B			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
73	M91B	N124A	N125A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
74	M98A	N142B	N92			Standoff Horizontal	Beam	SquareTube	A500 Gr.B...	Typical
75	M99A	N145	N120			Standoff Horizontal	Beam	SquareTube	A500 Gr.B...	Typical
76	M76A	N101B	N96A			RIGID	None	None	RIGID	Typical
77	M77B	N100A	N95A			RIGID	None	None	RIGID	Typical
78	M78A	N99A	N94A			RIGID	None	None	RIGID	Typical
79	M79B	N98A	N93A			RIGID	None	None	RIGID	Typical
80	M80B	N97A	N92A			RIGID	None	None	RIGID	Typical
81	MP5A	N105C	N109A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
82	MP4A	N104C	N108A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
83	MP3A	N103B	N107A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
84	MP1A	N102B	N106A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
85	MP2A	N110A	N111A			Dual Mount Pipe	Column	Pipe	A53 Gr.B	Typical
86	M86A	N122A	N117A			RIGID	None	None	RIGID	Typical
87	M87A	N121A	N116A			RIGID	None	None	RIGID	Typical
88	M88B	N120A	N115			RIGID	None	None	RIGID	Typical
89	M89A	N119A	N114A			RIGID	None	None	RIGID	Typical
90	M90A	N118A	N113A			RIGID	None	None	RIGID	Typical
91	MP5C	N126A	N130A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
92	MP4C	N125B	N129A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
93	MP3C	N124B	N128A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
94	MP1C	N123A	N127A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
95	MP2C	N131B	N132A			Dual Mount Pipe	Column	Pipe	A53 Gr.B	Typical
96	M96A	N143	N138A			RIGID	None	None	RIGID	Typical
97	M97A	N142A	N137A			RIGID	None	None	RIGID	Typical
98	M98B	N141A	N136A			RIGID	None	None	RIGID	Typical
99	M99B	N140A	N135B			RIGID	None	None	RIGID	Typical
100	M100	N139A	N134A			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
101	MP5B	N147	N151			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
102	MP4B	N146	N150			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
103	MP3B	N145A	N149			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
104	MP1B	N144A	N148A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
105	MP2B	N152	N153			Dual Mount Pipe	Column	Pipe	A53 Gr.B	Typical
106	OVP	N161	N160			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
107	M107	N158	N159			RIGID	None	None	RIGID	Typical
108	M108	N156	N157			Support Rail	Beam	Pipe	A53 Gr.B	Typical
109	M109	N158A	N159A			Support Rail	Beam	Pipe	A53 Gr.B	Typical
110	M110	N160A	N161A			Support Rail	Beam	Pipe	A53 Gr.B	Typical
111	M111	N171	N166			RIGID	None	None	RIGID	Typical
112	M112	N170	N165			RIGID	None	None	RIGID	Typical
113	M113	N169	N164			RIGID	None	None	RIGID	Typical
114	M114	N168	N163			RIGID	None	None	RIGID	Typical
115	M115	N167	N162			RIGID	None	None	RIGID	Typical
116	M116	N181	N176			RIGID	None	None	RIGID	Typical
117	M117	N180	N175			RIGID	None	None	RIGID	Typical
118	M118	N179	N174			RIGID	None	None	RIGID	Typical
119	M119	N178	N173			RIGID	None	None	RIGID	Typical
120	M120	N177	N172			RIGID	None	None	RIGID	Typical
121	M121	N191	N186			RIGID	None	None	RIGID	Typical
122	M122	N190	N185			RIGID	None	None	RIGID	Typical
123	M123	N189	N184			RIGID	None	None	RIGID	Typical
124	M124	N188	N183			RIGID	None	None	RIGID	Typical
125	M125	N187	N182			RIGID	None	None	RIGID	Typical
126	M126	N192	N193			RIGID	None	None	RIGID	Typical
127	M127	N194	N195			RIGID	None	None	RIGID	Typical
128	M128	N196	N197			RIGID	None	None	RIGID	Typical
129	M129	N198	N199			RIGID	None	None	RIGID	Typical
130	M130	N200	N201			RIGID	None	None	RIGID	Typical
131	M131	N202	N203			RIGID	None	None	RIGID	Typical
132	M132	N193	N203		90	Support Rail Corner	Beam	Single Angle	A36 Gr.36	Typical
133	M133	N201	N199		90	Support Rail Corner	Beam	Single Angle	A36 Gr.36	Typical
134	M134	N197	N195		90	Support Rail Corner	Beam	Single Angle	A36 Gr.36	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rati...A...	Inactive	Seismic ...
1	M1						Yes	Default		None
2	M4						Yes			None
3	M10						Yes	Default		None
4	M43						Yes	Default		None
5	M46						Yes	Default		None
6	M35A						Yes	** NA **		None
7	M36A						Yes	** NA **		None
8	M51B	OOOOOX	OOOOOX				Yes	Default		None
9	M52B	OOOOOX	OOOOOX				Yes	Default		None
10	M52						Yes	** NA **		None
11	M58						Yes	** NA **		None
12	M59						Yes	** NA **		None
13	M76						Yes	** NA **		None
14	M77						Yes	** NA **		None
15	M79		BenPIN				Yes	** NA **		None
16	M80						Yes			None
17	M83		BenPIN				Yes	** NA **		None
18	M84						Yes	** NA **		None



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Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rati...A...	Inactive	Seismic ...
19	M85						Yes	** NA **		None
20	M88		BenPIN				Yes	** NA **		None
21	M91						Yes			None
22	M92		BenPIN				Yes	** NA **		None
23	M50						Yes	** NA **		None
24	M51						Yes	** NA **		None
25	M51A						Yes	** NA **		None
26	M53						Yes	Default		None
27	M54						Yes	Default		None
28	M55						Yes	Default		None
29	M56						Yes	** NA **		None
30	M57						Yes	** NA **		None
31	M58A	OOOOOX	OOOOOX				Yes	Default		None
32	M59A	OOOOOX	OOOOOX				Yes	Default		None
33	M60						Yes	** NA **		None
34	M61						Yes	** NA **		None
35	M62						Yes	** NA **		None
36	M63						Yes	** NA **		None
37	M64						Yes	** NA **		None
38	M65		BenPIN				Yes	** NA **		None
39	M66						Yes			None
40	M67		BenPIN				Yes	** NA **		None
41	M68						Yes	** NA **		None
42	M69						Yes	** NA **		None
43	M70		BenPIN				Yes	** NA **		None
44	M71						Yes			None
45	M72		BenPIN				Yes	** NA **		None
46	M73						Yes	** NA **		None
47	M74						Yes	** NA **		None
48	M75						Yes	** NA **		None
49	M77A						Yes	Default		None
50	M78						Yes	Default		None
51	M79A						Yes	Default		None
52	M80A						Yes	** NA **		None
53	M81						Yes	** NA **		None
54	M82	OOOOOX	OOOOOX				Yes	Default		None
55	M83A	OOOOOX	OOOOOX				Yes	Default		None
56	M84A						Yes	** NA **		None
57	M85A						Yes	** NA **		None
58	M86						Yes	** NA **		None
59	M87						Yes	** NA **		None
60	M88A						Yes	** NA **		None
61	M89		BenPIN				Yes	** NA **		None
62	M90						Yes			None
63	M91A		BenPIN				Yes	** NA **		None
64	M92A						Yes	** NA **		None
65	M93						Yes	** NA **		None
66	M94		BenPIN				Yes	** NA **		None
67	M95						Yes			None
68	M96		BenPIN				Yes	** NA **		None
69	M97						Yes	** NA **		None
70	M98						Yes	** NA **		None
71	M99						Yes	** NA **		None
72	M82A						Yes	Default		None
73	M91B						Yes	Default		None
74	M98A						Yes			None
75	M99A						Yes			None



Company :
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Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rati...A...	Inactive	Seismic ...
76	M76A						Yes	** NA **		None
77	M77B						Yes	** NA **		None
78	M78A						Yes	** NA **		None
79	M79B						Yes	** NA **		None
80	M80B						Yes	** NA **		None
81	MP5A						Yes	** NA **		None
82	MP4A						Yes	** NA **		None
83	MP3A						Yes	** NA **		None
84	MP1A						Yes	** NA **		None
85	MP2A						Yes	** NA **		None
86	M86A						Yes	** NA **		None
87	M87A						Yes	** NA **		None
88	M88B						Yes	** NA **		None
89	M89A						Yes	** NA **		None
90	M90A						Yes	** NA **		None
91	MP5C						Yes	** NA **		None
92	MP4C						Yes	** NA **		None
93	MP3C						Yes	** NA **		None
94	MP1C						Yes	** NA **		None
95	MP2C						Yes	** NA **		None
96	M96A						Yes	** NA **		None
97	M97A						Yes	** NA **		None
98	M98B						Yes	** NA **		None
99	M99B						Yes	** NA **		None
100	M100						Yes	** NA **		None
101	MP5B						Yes	** NA **		None
102	MP4B						Yes	** NA **		None
103	MP3B						Yes	** NA **		None
104	MP1B						Yes	** NA **		None
105	MP2B						Yes	** NA **		None
106	OVP						Yes	** NA **		None
107	M107						Yes	** NA **		None
108	M108						Yes	Default		None
109	M109						Yes	Default		None
110	M110						Yes	Default		None
111	M111						Yes	** NA **		None
112	M112						Yes	** NA **		None
113	M113						Yes	** NA **		None
114	M114						Yes	** NA **		None
115	M115						Yes	** NA **		None
116	M116						Yes	** NA **		None
117	M117						Yes	** NA **		None
118	M118						Yes	** NA **		None
119	M119						Yes	** NA **		None
120	M120						Yes	** NA **		None
121	M121						Yes	** NA **		None
122	M122						Yes	** NA **		None
123	M123						Yes	** NA **		None
124	M124						Yes	** NA **		None
125	M125						Yes	** NA **		None
126	M126	OOOOOX					Yes	** NA **		None
127	M127	OOOOOX					Yes	** NA **		None
128	M128	OOOOOX					Yes	** NA **		None
129	M129	OOOOOX					Yes	** NA **		None
130	M130	OOOOOX					Yes	** NA **		None
131	M131	OOOOOX					Yes	** NA **		None
132	M132						Yes	** NA **		None



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Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rati...A...	Inactive	Seismic ...
133	M133						Yes			None
134	M134						Yes			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	Y	-10	1
2	MP5B	My	0	1
3	MP5B	Mz	0	1
4	MP5C	Y	-10	1
5	MP5C	My	0	1
6	MP5C	Mz	0	1
7	MP2A	Y	-17.6	7
8	MP2A	My	.018	7
9	MP2A	Mz	-.006	7
10	MP2B	Y	-17.6	7
11	MP2B	My	-.004	7
12	MP2B	Mz	.018	7
13	MP2C	Y	-17.6	7
14	MP2C	My	-.014	7
15	MP2C	Mz	-.012	7
16	MP2A	Y	-17.6	7
17	MP2A	My	.018	7
18	MP2A	Mz	.006	7
19	MP2B	Y	-17.6	7
20	MP2B	My	-.014	7
21	MP2B	Mz	.012	7
22	MP2C	Y	-17.6	7
23	MP2C	My	-.004	7
24	MP2C	Mz	-.018	7
25	MP1A	Y	-2.2	2.58
26	MP1A	My	-.002	2.58
27	MP1A	Mz	0	2.58
28	MP1A	Y	-2.2	4.58
29	MP1A	My	-.002	4.58
30	MP1A	Mz	0	4.58
31	MP1B	Y	-2.2	2.58
32	MP1B	My	.000825	2.58
33	MP1B	Mz	-.001	2.58
34	MP1B	Y	-2.2	4.58
35	MP1B	My	.000825	4.58
36	MP1B	Mz	-.001	4.58
37	MP1C	Y	-2.2	2.58
38	MP1C	My	.000825	2.58
39	MP1C	Mz	.001	2.58
40	MP1C	Y	-2.2	4.58
41	MP1C	My	.000825	4.58
42	MP1C	Mz	.001	4.58
43	MP4A	Y	-43.55	2.58
44	MP4A	My	-.033	2.58
45	MP4A	Mz	0	2.58
46	MP4A	Y	-43.55	4.58
47	MP4A	My	-.033	4.58
48	MP4A	Mz	0	4.58
49	MP4B	Y	-43.55	2.58
50	MP4B	My	.016	2.58



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

Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]	
51	MP4B	Mz	-0.28	2.58
52	MP4B	Y	-43.55	4.58
53	MP4B	My	.016	4.58
54	MP4B	Mz	-0.28	4.58
55	MP4C	Y	-43.55	2.58
56	MP4C	My	.016	2.58
57	MP4C	Mz	.028	2.58
58	MP4C	Y	-43.55	4.58
59	MP4C	My	.016	4.58
60	MP4C	Mz	.028	4.58
61	MP2A	Y	-10.4	2.5
62	MP2A	My	.005	2.5
63	MP2A	Mz	-.003	2.5
64	MP2B	Y	-10.4	2.5
65	MP2B	My	.005	2.5
66	MP2B	Mz	-.003	2.5
67	MP2C	Y	-10.4	2.5
68	MP2C	My	.005	2.5
69	MP2C	Mz	-.003	2.5
70	OVP	Y	-32	1
71	OVP	My	0	1
72	OVP	Mz	0	1
73	MP3A	Y	-84.4	4
74	MP3A	My	.037	4
75	MP3A	Mz	-.021	4
76	MP3B	Y	-84.4	4
77	MP3B	My	.037	4
78	MP3B	Mz	-.021	4
79	MP3C	Y	-84.4	4
80	MP3C	My	.037	4
81	MP3C	Mz	-.021	4
82	MP2A	Y	-70.3	4
83	MP2A	My	.03	4
84	MP2A	Mz	-.018	4
85	MP2B	Y	-70.3	4
86	MP2B	My	.03	4
87	MP2B	Mz	-.018	4
88	MP2C	Y	-70.3	4
89	MP2C	My	.03	4
90	MP2C	Mz	-.018	4
91	MP2A	Y	-31.65	1.79
92	MP2A	My	-.024	1.79
93	MP2A	Mz	.021	1.79
94	MP2A	Y	-31.65	5.79
95	MP2A	My	-.024	5.79
96	MP2A	Mz	.021	5.79
97	MP2B	Y	-31.65	1.79
98	MP2B	My	-.006	1.79
99	MP2B	Mz	-.031	1.79
100	MP2B	Y	-31.65	5.79
101	MP2B	My	-.006	5.79
102	MP2B	Mz	-.031	5.79
103	MP2C	Y	-31.65	1.79
104	MP2C	My	.03	1.79
105	MP2C	Mz	.01	1.79
106	MP2C	Y	-31.65	5.79
107	MP2C	My	.03	5.79

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
108	MP2C	Mz	.01	5.79
109	MP2A	Y	-31.65	1.79
110	MP2A	My	-.024	1.79
111	MP2A	Mz	-.021	1.79
112	MP2A	Y	-31.65	5.79
113	MP2A	My	-.024	5.79
114	MP2A	Mz	-.021	5.79
115	MP2B	Y	-31.65	1.79
116	MP2B	My	.03	1.79
117	MP2B	Mz	-.01	1.79
118	MP2B	Y	-31.65	5.79
119	MP2B	My	.03	5.79
120	MP2B	Mz	-.01	5.79
121	MP2C	Y	-31.65	1.79
122	MP2C	My	-.006	1.79
123	MP2C	Mz	.031	1.79
124	MP2C	Y	-31.65	5.79
125	MP2C	My	-.006	5.79
126	MP2C	Mz	.031	5.79
127	MP5A	Y	-9	1.58
128	MP5A	My	-.007	1.58
129	MP5A	Mz	0	1.58
130	MP5A	Y	-9	5.58
131	MP5A	My	-.007	5.58
132	MP5A	Mz	0	5.58
133	MP5B	Y	-9	1.58
134	MP5B	My	.003	1.58
135	MP5B	Mz	-.006	1.58
136	MP5B	Y	-9	5.58
137	MP5B	My	.003	5.58
138	MP5B	Mz	-.006	5.58
139	MP5C	Y	-9	1.58
140	MP5C	My	.003	1.58
141	MP5C	Mz	.006	1.58
142	MP5C	Y	-9	5.58
143	MP5C	My	.003	5.58
144	MP5C	Mz	.006	5.58

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	Y	-9.801	1
2	MP5B	My	0	1
3	MP5B	Mz	0	1
4	MP5C	Y	-9.801	1
5	MP5C	My	0	1
6	MP5C	Mz	0	1
7	MP2A	Y	6.6	7
8	MP2A	My	-.007	7
9	MP2A	Mz	.002	7
10	MP2B	Y	6.6	7
11	MP2B	My	.001	7
12	MP2B	Mz	-.007	7
13	MP2C	Y	6.6	7
14	MP2C	My	.005	7
15	MP2C	Mz	.005	7
16	MP2A	Y	6.6	7



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
17	MP2A	My	-0.07	7
18	MP2A	Mz	-0.02	7
19	MP2B	Y	6.6	7
20	MP2B	My	.005	7
21	MP2B	Mz	-.005	7
22	MP2C	Y	6.6	7
23	MP2C	My	.001	7
24	MP2C	Mz	.007	7
25	MP1A	Y	-6.516	2.58
26	MP1A	My	-.005	2.58
27	MP1A	Mz	0	2.58
28	MP1A	Y	-6.516	4.58
29	MP1A	My	-.005	4.58
30	MP1A	Mz	0	4.58
31	MP1B	Y	-6.516	2.58
32	MP1B	My	.002	2.58
33	MP1B	Mz	-.004	2.58
34	MP1B	Y	-6.516	4.58
35	MP1B	My	.002	4.58
36	MP1B	Mz	-.004	4.58
37	MP1C	Y	-6.516	2.58
38	MP1C	My	.002	2.58
39	MP1C	Mz	.004	2.58
40	MP1C	Y	-6.516	4.58
41	MP1C	My	.002	4.58
42	MP1C	Mz	.004	4.58
43	MP4A	Y	-34.635	2.58
44	MP4A	My	-.026	2.58
45	MP4A	Mz	0	2.58
46	MP4A	Y	-34.635	4.58
47	MP4A	My	-.026	4.58
48	MP4A	Mz	0	4.58
49	MP4B	Y	-34.635	2.58
50	MP4B	My	.013	2.58
51	MP4B	Mz	-.022	2.58
52	MP4B	Y	-34.635	4.58
53	MP4B	My	.013	4.58
54	MP4B	Mz	-.022	4.58
55	MP4C	Y	-34.635	2.58
56	MP4C	My	.013	2.58
57	MP4C	Mz	.022	2.58
58	MP4C	Y	-34.635	4.58
59	MP4C	My	.013	4.58
60	MP4C	Mz	.022	4.58
61	MP2A	Y	-10.406	2.5
62	MP2A	My	.005	2.5
63	MP2A	Mz	-.003	2.5
64	MP2B	Y	-10.406	2.5
65	MP2B	My	.005	2.5
66	MP2B	Mz	-.003	2.5
67	MP2C	Y	-10.406	2.5
68	MP2C	My	.005	2.5
69	MP2C	Mz	-.003	2.5
70	OVP	Y	-85.537	1
71	OVP	My	0	1
72	OVP	Mz	0	1
73	MP3A	Y	-43.649	4



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP3A	My	.019	4
75	MP3A	Mz	-.011	4
76	MP3B	Y	-43.649	4
77	MP3B	My	.019	4
78	MP3B	Mz	-.011	4
79	MP3C	Y	-43.649	4
80	MP3C	My	.019	4
81	MP3C	Mz	-.011	4
82	MP2A	Y	-39.246	4
83	MP2A	My	.017	4
84	MP2A	Mz	-.01	4
85	MP2B	Y	-39.246	4
86	MP2B	My	.017	4
87	MP2B	Mz	-.01	4
88	MP2C	Y	-39.246	4
89	MP2C	My	.017	4
90	MP2C	Mz	-.01	4
91	MP2A	Y	-68.059	1.79
92	MP2A	My	-.051	1.79
93	MP2A	Mz	.045	1.79
94	MP2A	Y	-68.059	5.79
95	MP2A	My	-.051	5.79
96	MP2A	Mz	.045	5.79
97	MP2B	Y	-68.059	1.79
98	MP2B	My	-.014	1.79
99	MP2B	Mz	-.067	1.79
100	MP2B	Y	-68.059	5.79
101	MP2B	My	-.014	5.79
102	MP2B	Mz	-.067	5.79
103	MP2C	Y	-68.059	1.79
104	MP2C	My	.065	1.79
105	MP2C	Mz	.022	1.79
106	MP2C	Y	-68.059	5.79
107	MP2C	My	.065	5.79
108	MP2C	Mz	.022	5.79
109	MP2A	Y	-68.059	1.79
110	MP2A	My	-.051	1.79
111	MP2A	Mz	-.045	1.79
112	MP2A	Y	-68.059	5.79
113	MP2A	My	-.051	5.79
114	MP2A	Mz	-.045	5.79
115	MP2B	Y	-68.059	1.79
116	MP2B	My	.065	1.79
117	MP2B	Mz	-.022	1.79
118	MP2B	Y	-68.059	5.79
119	MP2B	My	.065	5.79
120	MP2B	Mz	-.022	5.79
121	MP2C	Y	-68.059	1.79
122	MP2C	My	-.014	1.79
123	MP2C	Mz	.067	1.79
124	MP2C	Y	-68.059	5.79
125	MP2C	My	-.014	5.79
126	MP2C	Mz	.067	5.79
127	MP5A	Y	-43.288	1.58
128	MP5A	My	-.032	1.58
129	MP5A	Mz	0	1.58
130	MP5A	Y	-43.288	5.58

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
131	MP5A	My	-.032	5.58
132	MP5A	Mz	0	5.58
133	MP5B	Y	-43.288	1.58
134	MP5B	My	.016	1.58
135	MP5B	Mz	-.028	1.58
136	MP5B	Y	-43.288	5.58
137	MP5B	My	.016	5.58
138	MP5B	Mz	-.028	5.58
139	MP5C	Y	-43.288	1.58
140	MP5C	My	.016	1.58
141	MP5C	Mz	.028	1.58
142	MP5C	Y	-43.288	5.58
143	MP5C	My	.016	5.58
144	MP5C	Mz	.028	5.58

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP5B	X	0	1
2	MP5B	Z	-23.641	1
3	MP5B	Mx	0	1
4	MP5C	X	0	1
5	MP5C	Z	-23.641	1
6	MP5C	Mx	0	1
7	MP2A	X	0	7
8	MP2A	Z	-30.26	7
9	MP2A	Mx	.01	7
10	MP2B	X	0	7
11	MP2B	Z	-30.327	7
12	MP2B	Mx	-.031	7
13	MP2C	X	0	7
14	MP2C	Z	-30.327	7
15	MP2C	Mx	.021	7
16	MP2A	X	0	7
17	MP2A	Z	-30.26	7
18	MP2A	Mx	-.01	7
19	MP2B	X	0	7
20	MP2B	Z	-30.327	7
21	MP2B	Mx	-.021	7
22	MP2C	X	0	7
23	MP2C	Z	-30.327	7
24	MP2C	Mx	.031	7
25	MP1A	X	0	2.58
26	MP1A	Z	-14.027	2.58
27	MP1A	Mx	0	2.58
28	MP1A	X	0	4.58
29	MP1A	Z	-14.027	4.58
30	MP1A	Mx	0	4.58
31	MP1B	X	0	2.58
32	MP1B	Z	-5.57	2.58
33	MP1B	Mx	.004	2.58
34	MP1B	X	0	4.58
35	MP1B	Z	-5.57	4.58
36	MP1B	Mx	.004	4.58
37	MP1C	X	0	2.58
38	MP1C	Z	-5.57	2.58
39	MP1C	Mx	-.004	2.58



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
40	MP1C	X	0	4.58
41	MP1C	Z	-5.57	4.58
42	MP1C	Mx	-.004	4.58
43	MP4A	X	0	2.58
44	MP4A	Z	-61.781	2.58
45	MP4A	Mx	0	2.58
46	MP4A	X	0	4.58
47	MP4A	Z	-61.781	4.58
48	MP4A	Mx	0	4.58
49	MP4B	X	0	2.58
50	MP4B	Z	-31.403	2.58
51	MP4B	Mx	.02	2.58
52	MP4B	X	0	4.58
53	MP4B	Z	-31.403	4.58
54	MP4B	Mx	.02	4.58
55	MP4C	X	0	2.58
56	MP4C	Z	-31.403	2.58
57	MP4C	Mx	-.02	2.58
58	MP4C	X	0	4.58
59	MP4C	Z	-31.403	4.58
60	MP4C	Mx	-.02	4.58
61	MP2A	X	0	2.5
62	MP2A	Z	-10.764	2.5
63	MP2A	Mx	.003	2.5
64	MP2B	X	0	2.5
65	MP2B	Z	-10.764	2.5
66	MP2B	Mx	.003	2.5
67	MP2C	X	0	2.5
68	MP2C	Z	-10.764	2.5
69	MP2C	Mx	.003	2.5
70	OVP	X	0	1
71	OVP	Z	-120.391	1
72	OVP	Mx	0	1
73	MP3A	X	0	4
74	MP3A	Z	-44.839	4
75	MP3A	Mx	.011	4
76	MP3B	X	0	4
77	MP3B	Z	-44.839	4
78	MP3B	Mx	.011	4
79	MP3C	X	0	4
80	MP3C	Z	-44.839	4
81	MP3C	Mx	.011	4
82	MP2A	X	0	4
83	MP2A	Z	-43.342	4
84	MP2A	Mx	.011	4
85	MP2B	X	0	4
86	MP2B	Z	-43.342	4
87	MP2B	Mx	.011	4
88	MP2C	X	0	4
89	MP2C	Z	-43.342	4
90	MP2C	Mx	.011	4
91	MP2A	X	0	1.79
92	MP2A	Z	-143.579	1.79
93	MP2A	Mx	-.096	1.79
94	MP2A	X	0	5.79
95	MP2A	Z	-143.579	5.79
96	MP2A	Mx	-.096	5.79

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
97	MP2B	X	0	1.79
98	MP2B	Z	-106.62	1.79
99	MP2B	Mx	.105	1.79
100	MP2B	X	0	5.79
101	MP2B	Z	-106.62	5.79
102	MP2B	Mx	.105	5.79
103	MP2C	X	0	1.79
104	MP2C	Z	-106.62	1.79
105	MP2C	Mx	-.034	1.79
106	MP2C	X	0	5.79
107	MP2C	Z	-106.62	5.79
108	MP2C	Mx	-.034	5.79
109	MP2A	X	0	1.79
110	MP2A	Z	-143.579	1.79
111	MP2A	Mx	.096	1.79
112	MP2A	X	0	5.79
113	MP2A	Z	-143.579	5.79
114	MP2A	Mx	.096	5.79
115	MP2B	X	0	1.79
116	MP2B	Z	-106.62	1.79
117	MP2B	Mx	.034	1.79
118	MP2B	X	0	5.79
119	MP2B	Z	-106.62	5.79
120	MP2B	Mx	.034	5.79
121	MP2C	X	0	1.79
122	MP2C	Z	-106.62	1.79
123	MP2C	Mx	-.105	1.79
124	MP2C	X	0	5.79
125	MP2C	Z	-106.62	5.79
126	MP2C	Mx	-.105	5.79
127	MP5A	X	0	1.58
128	MP5A	Z	-90.781	1.58
129	MP5A	Mx	0	1.58
130	MP5A	X	0	5.58
131	MP5A	Z	-90.781	5.58
132	MP5A	Mx	0	5.58
133	MP5B	X	0	1.58
134	MP5B	Z	-76.605	1.58
135	MP5B	Mx	.05	1.58
136	MP5B	X	0	5.58
137	MP5B	Z	-76.605	5.58
138	MP5B	Mx	.05	5.58
139	MP5C	X	0	1.58
140	MP5C	Z	-76.605	1.58
141	MP5C	Mx	-.05	1.58
142	MP5C	X	0	5.58
143	MP5C	Z	-76.605	5.58
144	MP5C	Mx	-.05	5.58

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP5B	X	3.94	1
2	MP5B	Z	-6.825	1
3	MP5B	Mx	0	1
4	MP5C	X	3.94	1
5	MP5C	Z	-6.825	1



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP5C	Mx	0	1
7	MP2A	X	15.141	7
8	MP2A	Z	-26.226	7
9	MP2A	Mx	.024	7
10	MP2B	X	15.175	7
11	MP2B	Z	-26.284	7
12	MP2B	Mx	-.03	7
13	MP2C	X	15.141	7
14	MP2C	Z	-26.226	7
15	MP2C	Mx	.006	7
16	MP2A	X	15.141	7
17	MP2A	Z	-26.226	7
18	MP2A	Mx	.006	7
19	MP2B	X	15.175	7
20	MP2B	Z	-26.284	7
21	MP2B	Mx	-.03	7
22	MP2C	X	15.141	7
23	MP2C	Z	-26.226	7
24	MP2C	Mx	.024	7
25	MP1A	X	5.604	2.58
26	MP1A	Z	-9.706	2.58
27	MP1A	Mx	-.004	2.58
28	MP1A	X	5.604	4.58
29	MP1A	Z	-9.706	4.58
30	MP1A	Mx	-.004	4.58
31	MP1B	X	1.375	2.58
32	MP1B	Z	-2.382	2.58
33	MP1B	Mx	.002	2.58
34	MP1B	X	1.375	4.58
35	MP1B	Z	-2.382	4.58
36	MP1B	Mx	.002	4.58
37	MP1C	X	5.604	2.58
38	MP1C	Z	-9.706	2.58
39	MP1C	Mx	-.004	2.58
40	MP1C	X	5.604	4.58
41	MP1C	Z	-9.706	4.58
42	MP1C	Mx	-.004	4.58
43	MP4A	X	25.828	2.58
44	MP4A	Z	-44.735	2.58
45	MP4A	Mx	-.019	2.58
46	MP4A	X	25.828	4.58
47	MP4A	Z	-44.735	4.58
48	MP4A	Mx	-.019	4.58
49	MP4B	X	10.638	2.58
50	MP4B	Z	-18.426	2.58
51	MP4B	Mx	.016	2.58
52	MP4B	X	10.638	4.58
53	MP4B	Z	-18.426	4.58
54	MP4B	Mx	.016	4.58
55	MP4C	X	25.828	2.58
56	MP4C	Z	-44.735	2.58
57	MP4C	Mx	-.019	2.58
58	MP4C	X	25.828	4.58
59	MP4C	Z	-44.735	4.58
60	MP4C	Mx	-.019	4.58
61	MP2A	X	4.484	2.5
62	MP2A	Z	-7.766	2.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
63	MP2A	Mx	.004	2.5
64	MP2B	X	4.484	2.5
65	MP2B	Z	-7.766	2.5
66	MP2B	Mx	.004	2.5
67	MP2C	X	4.484	2.5
68	MP2C	Z	-7.766	2.5
69	MP2C	Mx	.004	2.5
70	OVP	X	52.611	1
71	OVP	Z	-91.124	1
72	OVP	Mx	0	1
73	MP3A	X	18.4	4
74	MP3A	Z	-31.871	4
75	MP3A	Mx	.016	4
76	MP3B	X	18.4	4
77	MP3B	Z	-31.871	4
78	MP3B	Mx	.016	4
79	MP3C	X	18.4	4
80	MP3C	Z	-31.871	4
81	MP3C	Mx	.016	4
82	MP2A	X	16.155	4
83	MP2A	Z	-27.981	4
84	MP2A	Mx	.014	4
85	MP2B	X	16.155	4
86	MP2B	Z	-27.981	4
87	MP2B	Mx	.014	4
88	MP2C	X	16.155	4
89	MP2C	Z	-27.981	4
90	MP2C	Mx	.014	4
91	MP2A	X	65.63	1.79
92	MP2A	Z	-113.674	1.79
93	MP2A	Mx	-.125	1.79
94	MP2A	X	65.63	5.79
95	MP2A	Z	-113.674	5.79
96	MP2A	Mx	-.125	5.79
97	MP2B	X	47.15	1.79
98	MP2B	Z	-81.667	1.79
99	MP2B	Mx	.071	1.79
100	MP2B	X	47.15	5.79
101	MP2B	Z	-81.667	5.79
102	MP2B	Mx	.071	5.79
103	MP2C	X	65.63	1.79
104	MP2C	Z	-113.674	1.79
105	MP2C	Mx	.027	1.79
106	MP2C	X	65.63	5.79
107	MP2C	Z	-113.674	5.79
108	MP2C	Mx	.027	5.79
109	MP2A	X	65.63	1.79
110	MP2A	Z	-113.674	1.79
111	MP2A	Mx	.027	1.79
112	MP2A	X	65.63	5.79
113	MP2A	Z	-113.674	5.79
114	MP2A	Mx	.027	5.79
115	MP2B	X	47.15	1.79
116	MP2B	Z	-81.667	1.79
117	MP2B	Mx	.071	1.79
118	MP2B	X	47.15	5.79
119	MP2B	Z	-81.667	5.79



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
120	MP2B	Mx	.071	5.79
121	MP2C	X	65.63	1.79
122	MP2C	Z	-113.674	1.79
123	MP2C	Mx	-.125	1.79
124	MP2C	X	65.63	5.79
125	MP2C	Z	-113.674	5.79
126	MP2C	Mx	-.125	5.79
127	MP5A	X	43.028	1.58
128	MP5A	Z	-74.526	1.58
129	MP5A	Mx	-.032	1.58
130	MP5A	X	43.028	5.58
131	MP5A	Z	-74.526	5.58
132	MP5A	Mx	-.032	5.58
133	MP5B	X	35.94	1.58
134	MP5B	Z	-62.25	1.58
135	MP5B	Mx	.054	1.58
136	MP5B	X	35.94	5.58
137	MP5B	Z	-62.25	5.58
138	MP5B	Mx	.054	5.58
139	MP5C	X	43.028	1.58
140	MP5C	Z	-74.526	1.58
141	MP5C	Mx	-.032	1.58
142	MP5C	X	43.028	5.58
143	MP5C	Z	-74.526	5.58
144	MP5C	Mx	-.032	5.58

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
1	MP5B	X	0	1
2	MP5B	Z	0	1
3	MP5B	Mx	0	1
4	MP5C	X	0	1
5	MP5C	Z	0	1
6	MP5C	Mx	0	1
7	MP2A	X	26.264	7
8	MP2A	Z	-15.164	7
9	MP2A	Mx	.031	7
10	MP2B	X	26.264	7
11	MP2B	Z	-15.164	7
12	MP2B	Mx	-.021	7
13	MP2C	X	26.206	7
14	MP2C	Z	-15.13	7
15	MP2C	Mx	-.01	7
16	MP2A	X	26.264	7
17	MP2A	Z	-15.164	7
18	MP2A	Mx	.021	7
19	MP2B	X	26.264	7
20	MP2B	Z	-15.164	7
21	MP2B	Mx	-.031	7
22	MP2C	X	26.206	7
23	MP2C	Z	-15.13	7
24	MP2C	Mx	.01	7
25	MP1A	X	4.824	2.58
26	MP1A	Z	-2.785	2.58
27	MP1A	Mx	-.004	2.58
28	MP1A	X	4.824	4.58

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
29	MP1A	Z	-2.785	4.58
30	MP1A	Mx	-.004	4.58
31	MP1B	X	4.824	2.58
32	MP1B	Z	-2.785	2.58
33	MP1B	Mx	.004	2.58
34	MP1B	X	4.824	4.58
35	MP1B	Z	-2.785	4.58
36	MP1B	Mx	.004	4.58
37	MP1C	X	12.148	2.58
38	MP1C	Z	-7.013	2.58
39	MP1C	Mx	0	2.58
40	MP1C	X	12.148	4.58
41	MP1C	Z	-7.013	4.58
42	MP1C	Mx	0	4.58
43	MP4A	X	27.196	2.58
44	MP4A	Z	-15.701	2.58
45	MP4A	Mx	-.02	2.58
46	MP4A	X	27.196	4.58
47	MP4A	Z	-15.701	4.58
48	MP4A	Mx	-.02	4.58
49	MP4B	X	27.196	2.58
50	MP4B	Z	-15.701	2.58
51	MP4B	Mx	.02	2.58
52	MP4B	X	27.196	4.58
53	MP4B	Z	-15.701	4.58
54	MP4B	Mx	.02	4.58
55	MP4C	X	53.504	2.58
56	MP4C	Z	-30.891	2.58
57	MP4C	Mx	0	2.58
58	MP4C	X	53.504	4.58
59	MP4C	Z	-30.891	4.58
60	MP4C	Mx	0	4.58
61	MP2A	X	6.988	2.5
62	MP2A	Z	-4.035	2.5
63	MP2A	Mx	.004	2.5
64	MP2B	X	6.988	2.5
65	MP2B	Z	-4.035	2.5
66	MP2B	Mx	.004	2.5
67	MP2C	X	6.988	2.5
68	MP2C	Z	-4.035	2.5
69	MP2C	Mx	.004	2.5
70	OVP	X	84.556	1
71	OVP	Z	-48.818	1
72	OVP	Mx	0	1
73	MP3A	X	28.39	4
74	MP3A	Z	-16.391	4
75	MP3A	Mx	.016	4
76	MP3B	X	28.39	4
77	MP3B	Z	-16.391	4
78	MP3B	Mx	.016	4
79	MP3C	X	28.39	4
80	MP3C	Z	-16.391	4
81	MP3C	Mx	.016	4
82	MP2A	X	23.203	4
83	MP2A	Z	-13.396	4
84	MP2A	Mx	.013	4
85	MP2B	X	23.203	4



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP2B	Z	-13.396	4
87	MP2B	Mx	.013	4
88	MP2C	X	23.203	4
89	MP2C	Z	-13.396	4
90	MP2C	Mx	.013	4
91	MP2A	X	92.336	1.79
92	MP2A	Z	-53.31	1.79
93	MP2A	Mx	-.105	1.79
94	MP2A	X	92.336	5.79
95	MP2A	Z	-53.31	5.79
96	MP2A	Mx	-.105	5.79
97	MP2B	X	92.336	1.79
98	MP2B	Z	-53.31	1.79
99	MP2B	Mx	.034	1.79
100	MP2B	X	92.336	5.79
101	MP2B	Z	-53.31	5.79
102	MP2B	Mx	.034	5.79
103	MP2C	X	124.343	1.79
104	MP2C	Z	-71.789	1.79
105	MP2C	Mx	.096	1.79
106	MP2C	X	124.343	5.79
107	MP2C	Z	-71.789	5.79
108	MP2C	Mx	.096	5.79
109	MP2A	X	92.336	1.79
110	MP2A	Z	-53.31	1.79
111	MP2A	Mx	-.034	1.79
112	MP2A	X	92.336	5.79
113	MP2A	Z	-53.31	5.79
114	MP2A	Mx	-.034	5.79
115	MP2B	X	92.336	1.79
116	MP2B	Z	-53.31	1.79
117	MP2B	Mx	.105	1.79
118	MP2B	X	92.336	5.79
119	MP2B	Z	-53.31	5.79
120	MP2B	Mx	.105	5.79
121	MP2C	X	124.343	1.79
122	MP2C	Z	-71.789	1.79
123	MP2C	Mx	-.096	1.79
124	MP2C	X	124.343	5.79
125	MP2C	Z	-71.789	5.79
126	MP2C	Mx	-.096	5.79
127	MP5A	X	66.342	1.58
128	MP5A	Z	-38.303	1.58
129	MP5A	Mx	-.05	1.58
130	MP5A	X	66.342	5.58
131	MP5A	Z	-38.303	5.58
132	MP5A	Mx	-.05	5.58
133	MP5B	X	66.342	1.58
134	MP5B	Z	-38.303	1.58
135	MP5B	Mx	.05	1.58
136	MP5B	X	66.342	5.58
137	MP5B	Z	-38.303	5.58
138	MP5B	Mx	.05	5.58
139	MP5C	X	78.619	1.58
140	MP5C	Z	-45.39	1.58
141	MP5C	Mx	0	1.58
142	MP5C	X	78.619	5.58



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
143	MP5C	Z	-45.39	5.58
144	MP5C	Mx	0	5.58

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	X	7.88	1
2	MP5B	Z	0	1
3	MP5B	Mx	0	1
4	MP5C	X	7.88	1
5	MP5C	Z	0	1
6	MP5C	Mx	0	1
7	MP2A	X	30.35	7
8	MP2A	Z	0	7
9	MP2A	Mx	.03	7
10	MP2B	X	30.283	7
11	MP2B	Z	0	7
12	MP2B	Mx	-.006	7
13	MP2C	X	30.283	7
14	MP2C	Z	0	7
15	MP2C	Mx	-.024	7
16	MP2A	X	30.35	7
17	MP2A	Z	0	7
18	MP2A	Mx	.03	7
19	MP2B	X	30.283	7
20	MP2B	Z	0	7
21	MP2B	Mx	-.024	7
22	MP2C	X	30.283	7
23	MP2C	Z	0	7
24	MP2C	Mx	-.006	7
25	MP1A	X	2.751	2.58
26	MP1A	Z	0	2.58
27	MP1A	Mx	-.002	2.58
28	MP1A	X	2.751	4.58
29	MP1A	Z	0	4.58
30	MP1A	Mx	-.002	4.58
31	MP1B	X	11.208	2.58
32	MP1B	Z	0	2.58
33	MP1B	Mx	.004	2.58
34	MP1B	X	11.208	4.58
35	MP1B	Z	0	4.58
36	MP1B	Mx	.004	4.58
37	MP1C	X	11.208	2.58
38	MP1C	Z	0	2.58
39	MP1C	Mx	.004	2.58
40	MP1C	X	11.208	4.58
41	MP1C	Z	0	4.58
42	MP1C	Mx	.004	4.58
43	MP4A	X	21.277	2.58
44	MP4A	Z	0	2.58
45	MP4A	Mx	-.016	2.58
46	MP4A	X	21.277	4.58
47	MP4A	Z	0	4.58
48	MP4A	Mx	-.016	4.58
49	MP4B	X	51.655	2.58
50	MP4B	Z	0	2.58
51	MP4B	Mx	.019	2.58

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
52	MP4B	X	51.655	4.58
53	MP4B	Z	0	4.58
54	MP4B	Mx	.019	4.58
55	MP4C	X	51.655	2.58
56	MP4C	Z	0	2.58
57	MP4C	Mx	.019	2.58
58	MP4C	X	51.655	4.58
59	MP4C	Z	0	4.58
60	MP4C	Mx	.019	4.58
61	MP2A	X	8.968	2.5
62	MP2A	Z	0	2.5
63	MP2A	Mx	.004	2.5
64	MP2B	X	8.968	2.5
65	MP2B	Z	0	2.5
66	MP2B	Mx	.004	2.5
67	MP2C	X	8.968	2.5
68	MP2C	Z	0	2.5
69	MP2C	Mx	.004	2.5
70	OVP	X	105.221	1
71	OVP	Z	0	1
72	OVP	Mx	0	1
73	MP3A	X	36.801	4
74	MP3A	Z	0	4
75	MP3A	Mx	.016	4
76	MP3B	X	36.801	4
77	MP3B	Z	0	4
78	MP3B	Mx	.016	4
79	MP3C	X	36.801	4
80	MP3C	Z	0	4
81	MP3C	Mx	.016	4
82	MP2A	X	32.309	4
83	MP2A	Z	0	4
84	MP2A	Mx	.014	4
85	MP2B	X	32.309	4
86	MP2B	Z	0	4
87	MP2B	Mx	.014	4
88	MP2C	X	32.309	4
89	MP2C	Z	0	4
90	MP2C	Mx	.014	4
91	MP2A	X	94.301	1.79
92	MP2A	Z	0	1.79
93	MP2A	Mx	-.071	1.79
94	MP2A	X	94.301	5.79
95	MP2A	Z	0	5.79
96	MP2A	Mx	-.071	5.79
97	MP2B	X	131.259	1.79
98	MP2B	Z	0	1.79
99	MP2B	Mx	-.027	1.79
100	MP2B	X	131.259	5.79
101	MP2B	Z	0	5.79
102	MP2B	Mx	-.027	5.79
103	MP2C	X	131.259	1.79
104	MP2C	Z	0	1.79
105	MP2C	Mx	.125	1.79
106	MP2C	X	131.259	5.79
107	MP2C	Z	0	5.79
108	MP2C	Mx	.125	5.79



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
18	MP2A	Mx	.031	7
19	MP2B	X	26.206	7
20	MP2B	Z	15.13	7
21	MP2B	Mx	-.01	7
22	MP2C	X	26.264	7
23	MP2C	Z	15.164	7
24	MP2C	Mx	-.021	7
25	MP1A	X	4.824	2.58
26	MP1A	Z	2.785	2.58
27	MP1A	Mx	-.004	2.58
28	MP1A	X	4.824	4.58
29	MP1A	Z	2.785	4.58
30	MP1A	Mx	-.004	4.58
31	MP1B	X	12.148	2.58
32	MP1B	Z	7.013	2.58
33	MP1B	Mx	0	2.58
34	MP1B	X	12.148	4.58
35	MP1B	Z	7.013	4.58
36	MP1B	Mx	0	4.58
37	MP1C	X	4.824	2.58
38	MP1C	Z	2.785	2.58
39	MP1C	Mx	.004	2.58
40	MP1C	X	4.824	4.58
41	MP1C	Z	2.785	4.58
42	MP1C	Mx	.004	4.58
43	MP4A	X	27.196	2.58
44	MP4A	Z	15.701	2.58
45	MP4A	Mx	-.02	2.58
46	MP4A	X	27.196	4.58
47	MP4A	Z	15.701	4.58
48	MP4A	Mx	-.02	4.58
49	MP4B	X	53.504	2.58
50	MP4B	Z	30.891	2.58
51	MP4B	Mx	0	2.58
52	MP4B	X	53.504	4.58
53	MP4B	Z	30.891	4.58
54	MP4B	Mx	0	4.58
55	MP4C	X	27.196	2.58
56	MP4C	Z	15.701	2.58
57	MP4C	Mx	.02	2.58
58	MP4C	X	27.196	4.58
59	MP4C	Z	15.701	4.58
60	MP4C	Mx	.02	4.58
61	MP2A	X	9.322	2.5
62	MP2A	Z	5.382	2.5
63	MP2A	Mx	.003	2.5
64	MP2B	X	9.322	2.5
65	MP2B	Z	5.382	2.5
66	MP2B	Mx	.003	2.5
67	MP2C	X	9.322	2.5
68	MP2C	Z	5.382	2.5
69	MP2C	Mx	.003	2.5
70	OVP	X	104.262	1
71	OVP	Z	60.195	1
72	OVP	Mx	0	1
73	MP3A	X	38.832	4
74	MP3A	Z	22.419	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
75	MP3A	Mx	.011	4
76	MP3B	X	38.832	4
77	MP3B	Z	22.419	4
78	MP3B	Mx	.011	4
79	MP3C	X	38.832	4
80	MP3C	Z	22.419	4
81	MP3C	Mx	.011	4
82	MP2A	X	37.535	4
83	MP2A	Z	21.671	4
84	MP2A	Mx	.011	4
85	MP2B	X	37.535	4
86	MP2B	Z	21.671	4
87	MP2B	Mx	.011	4
88	MP2C	X	37.535	4
89	MP2C	Z	21.671	4
90	MP2C	Mx	.011	4
91	MP2A	X	92.336	1.79
92	MP2A	Z	53.31	1.79
93	MP2A	Mx	-.034	1.79
94	MP2A	X	92.336	5.79
95	MP2A	Z	53.31	5.79
96	MP2A	Mx	-.034	5.79
97	MP2B	X	124.343	1.79
98	MP2B	Z	71.789	1.79
99	MP2B	Mx	-.096	1.79
100	MP2B	X	124.343	5.79
101	MP2B	Z	71.789	5.79
102	MP2B	Mx	-.096	5.79
103	MP2C	X	92.336	1.79
104	MP2C	Z	53.31	1.79
105	MP2C	Mx	.105	1.79
106	MP2C	X	92.336	5.79
107	MP2C	Z	53.31	5.79
108	MP2C	Mx	.105	5.79
109	MP2A	X	92.336	1.79
110	MP2A	Z	53.31	1.79
111	MP2A	Mx	-.105	1.79
112	MP2A	X	92.336	5.79
113	MP2A	Z	53.31	5.79
114	MP2A	Mx	-.105	5.79
115	MP2B	X	124.343	1.79
116	MP2B	Z	71.789	1.79
117	MP2B	Mx	.096	1.79
118	MP2B	X	124.343	5.79
119	MP2B	Z	71.789	5.79
120	MP2B	Mx	.096	5.79
121	MP2C	X	92.336	1.79
122	MP2C	Z	53.31	1.79
123	MP2C	Mx	.034	1.79
124	MP2C	X	92.336	5.79
125	MP2C	Z	53.31	5.79
126	MP2C	Mx	.034	5.79
127	MP5A	X	66.342	1.58
128	MP5A	Z	38.303	1.58
129	MP5A	Mx	-.05	1.58
130	MP5A	X	66.342	5.58
131	MP5A	Z	38.303	5.58



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
132	MP5A	Mx	-.05	5.58
133	MP5B	X	78.619	1.58
134	MP5B	Z	45.39	1.58
135	MP5B	Mx	0	1.58
136	MP5B	X	78.619	5.58
137	MP5B	Z	45.39	5.58
138	MP5B	Mx	0	5.58
139	MP5C	X	66.342	1.58
140	MP5C	Z	38.303	1.58
141	MP5C	Mx	.05	1.58
142	MP5C	X	66.342	5.58
143	MP5C	Z	38.303	5.58
144	MP5C	Mx	.05	5.58

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP5B	X	15.761	1
2	MP5B	Z	27.298	1
3	MP5B	Mx	0	1
4	MP5C	X	15.761	1
5	MP5C	Z	27.298	1
6	MP5C	Mx	0	1
7	MP2A	X	15.141	7
8	MP2A	Z	26.226	7
9	MP2A	Mx	.006	7
10	MP2B	X	15.141	7
11	MP2B	Z	26.226	7
12	MP2B	Mx	.024	7
13	MP2C	X	15.175	7
14	MP2C	Z	26.284	7
15	MP2C	Mx	-.03	7
16	MP2A	X	15.141	7
17	MP2A	Z	26.226	7
18	MP2A	Mx	.024	7
19	MP2B	X	15.141	7
20	MP2B	Z	26.226	7
21	MP2B	Mx	.006	7
22	MP2C	X	15.175	7
23	MP2C	Z	26.284	7
24	MP2C	Mx	-.03	7
25	MP1A	X	5.604	2.58
26	MP1A	Z	9.706	2.58
27	MP1A	Mx	-.004	2.58
28	MP1A	X	5.604	4.58
29	MP1A	Z	9.706	4.58
30	MP1A	Mx	-.004	4.58
31	MP1B	X	5.604	2.58
32	MP1B	Z	9.706	2.58
33	MP1B	Mx	-.004	2.58
34	MP1B	X	5.604	4.58
35	MP1B	Z	9.706	4.58
36	MP1B	Mx	-.004	4.58
37	MP1C	X	1.375	2.58
38	MP1C	Z	2.382	2.58
39	MP1C	Mx	.002	2.58
40	MP1C	X	1.375	4.58

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
41	MP1C	Z	2.382	4.58
42	MP1C	Mx	.002	4.58
43	MP4A	X	25.828	2.58
44	MP4A	Z	44.735	2.58
45	MP4A	Mx	-.019	2.58
46	MP4A	X	25.828	4.58
47	MP4A	Z	44.735	4.58
48	MP4A	Mx	-.019	4.58
49	MP4B	X	25.828	2.58
50	MP4B	Z	44.735	2.58
51	MP4B	Mx	-.019	2.58
52	MP4B	X	25.828	4.58
53	MP4B	Z	44.735	4.58
54	MP4B	Mx	-.019	4.58
55	MP4C	X	10.638	2.58
56	MP4C	Z	18.426	2.58
57	MP4C	Mx	.016	2.58
58	MP4C	X	10.638	4.58
59	MP4C	Z	18.426	4.58
60	MP4C	Mx	.016	4.58
61	MP2A	X	5.831	2.5
62	MP2A	Z	10.1	2.5
63	MP2A	Mx	0	2.5
64	MP2B	X	5.831	2.5
65	MP2B	Z	10.1	2.5
66	MP2B	Mx	0	2.5
67	MP2C	X	5.831	2.5
68	MP2C	Z	10.1	2.5
69	MP2C	Mx	0	2.5
70	OVP	X	63.988	1
71	OVP	Z	110.83	1
72	OVP	Mx	0	1
73	MP3A	X	24.429	4
74	MP3A	Z	42.312	4
75	MP3A	Mx	0	4
76	MP3B	X	24.429	4
77	MP3B	Z	42.312	4
78	MP3B	Mx	0	4
79	MP3C	X	24.429	4
80	MP3C	Z	42.312	4
81	MP3C	Mx	0	4
82	MP2A	X	24.429	4
83	MP2A	Z	42.312	4
84	MP2A	Mx	0	4
85	MP2B	X	24.429	4
86	MP2B	Z	42.312	4
87	MP2B	Mx	0	4
88	MP2C	X	24.429	4
89	MP2C	Z	42.312	4
90	MP2C	Mx	0	4
91	MP2A	X	65.63	1.79
92	MP2A	Z	113.674	1.79
93	MP2A	Mx	.027	1.79
94	MP2A	X	65.63	5.79
95	MP2A	Z	113.674	5.79
96	MP2A	Mx	.027	5.79
97	MP2B	X	65.63	1.79

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
98	MP2B	Z	113.674	1.79
99	MP2B	Mx	-.125	1.79
100	MP2B	X	65.63	5.79
101	MP2B	Z	113.674	5.79
102	MP2B	Mx	-.125	5.79
103	MP2C	X	47.15	1.79
104	MP2C	Z	81.667	1.79
105	MP2C	Mx	.071	1.79
106	MP2C	X	47.15	5.79
107	MP2C	Z	81.667	5.79
108	MP2C	Mx	.071	5.79
109	MP2A	X	65.63	1.79
110	MP2A	Z	113.674	1.79
111	MP2A	Mx	-.125	1.79
112	MP2A	X	65.63	5.79
113	MP2A	Z	113.674	5.79
114	MP2A	Mx	-.125	5.79
115	MP2B	X	65.63	1.79
116	MP2B	Z	113.674	1.79
117	MP2B	Mx	.027	1.79
118	MP2B	X	65.63	5.79
119	MP2B	Z	113.674	5.79
120	MP2B	Mx	.027	5.79
121	MP2C	X	47.15	1.79
122	MP2C	Z	81.667	1.79
123	MP2C	Mx	.071	1.79
124	MP2C	X	47.15	5.79
125	MP2C	Z	81.667	5.79
126	MP2C	Mx	.071	5.79
127	MP5A	X	43.028	1.58
128	MP5A	Z	74.526	1.58
129	MP5A	Mx	-.032	1.58
130	MP5A	X	43.028	5.58
131	MP5A	Z	74.526	5.58
132	MP5A	Mx	-.032	5.58
133	MP5B	X	43.028	1.58
134	MP5B	Z	74.526	1.58
135	MP5B	Mx	-.032	1.58
136	MP5B	X	43.028	5.58
137	MP5B	Z	74.526	5.58
138	MP5B	Mx	-.032	5.58
139	MP5C	X	35.94	1.58
140	MP5C	Z	62.25	1.58
141	MP5C	Mx	.054	1.58
142	MP5C	X	35.94	5.58
143	MP5C	Z	62.25	5.58
144	MP5C	Mx	.054	5.58

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP5B	X	0	1
2	MP5B	Z	23.641	1
3	MP5B	Mx	0	1
4	MP5C	X	0	1
5	MP5C	Z	23.641	1
6	MP5C	Mx	0	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
7	MP2A	X	0	7
8	MP2A	Z	30.26	7
9	MP2A	Mx	-.01	7
10	MP2B	X	0	7
11	MP2B	Z	30.327	7
12	MP2B	Mx	.031	7
13	MP2C	X	0	7
14	MP2C	Z	30.327	7
15	MP2C	Mx	-.021	7
16	MP2A	X	0	7
17	MP2A	Z	30.26	7
18	MP2A	Mx	.01	7
19	MP2B	X	0	7
20	MP2B	Z	30.327	7
21	MP2B	Mx	.021	7
22	MP2C	X	0	7
23	MP2C	Z	30.327	7
24	MP2C	Mx	-.031	7
25	MP1A	X	0	2.58
26	MP1A	Z	14.027	2.58
27	MP1A	Mx	0	2.58
28	MP1A	X	0	4.58
29	MP1A	Z	14.027	4.58
30	MP1A	Mx	0	4.58
31	MP1B	X	0	2.58
32	MP1B	Z	5.57	2.58
33	MP1B	Mx	-.004	2.58
34	MP1B	X	0	4.58
35	MP1B	Z	5.57	4.58
36	MP1B	Mx	-.004	4.58
37	MP1C	X	0	2.58
38	MP1C	Z	5.57	2.58
39	MP1C	Mx	.004	2.58
40	MP1C	X	0	4.58
41	MP1C	Z	5.57	4.58
42	MP1C	Mx	.004	4.58
43	MP4A	X	0	2.58
44	MP4A	Z	61.781	2.58
45	MP4A	Mx	0	2.58
46	MP4A	X	0	4.58
47	MP4A	Z	61.781	4.58
48	MP4A	Mx	0	4.58
49	MP4B	X	0	2.58
50	MP4B	Z	31.403	2.58
51	MP4B	Mx	-.02	2.58
52	MP4B	X	0	4.58
53	MP4B	Z	31.403	4.58
54	MP4B	Mx	-.02	4.58
55	MP4C	X	0	2.58
56	MP4C	Z	31.403	2.58
57	MP4C	Mx	.02	2.58
58	MP4C	X	0	4.58
59	MP4C	Z	31.403	4.58
60	MP4C	Mx	.02	4.58
61	MP2A	X	0	2.5
62	MP2A	Z	10.764	2.5
63	MP2A	Mx	-.003	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	MP2B	X	0	2.5
65	MP2B	Z	10.764	2.5
66	MP2B	Mx	-.003	2.5
67	MP2C	X	0	2.5
68	MP2C	Z	10.764	2.5
69	MP2C	Mx	-.003	2.5
70	OVP	X	0	1
71	OVP	Z	120.391	1
72	OVP	Mx	0	1
73	MP3A	X	0	4
74	MP3A	Z	44.839	4
75	MP3A	Mx	-.011	4
76	MP3B	X	0	4
77	MP3B	Z	44.839	4
78	MP3B	Mx	-.011	4
79	MP3C	X	0	4
80	MP3C	Z	44.839	4
81	MP3C	Mx	-.011	4
82	MP2A	X	0	4
83	MP2A	Z	43.342	4
84	MP2A	Mx	-.011	4
85	MP2B	X	0	4
86	MP2B	Z	43.342	4
87	MP2B	Mx	-.011	4
88	MP2C	X	0	4
89	MP2C	Z	43.342	4
90	MP2C	Mx	-.011	4
91	MP2A	X	0	1.79
92	MP2A	Z	143.579	1.79
93	MP2A	Mx	.096	1.79
94	MP2A	X	0	5.79
95	MP2A	Z	143.579	5.79
96	MP2A	Mx	.096	5.79
97	MP2B	X	0	1.79
98	MP2B	Z	106.62	1.79
99	MP2B	Mx	-.105	1.79
100	MP2B	X	0	5.79
101	MP2B	Z	106.62	5.79
102	MP2B	Mx	-.105	5.79
103	MP2C	X	0	1.79
104	MP2C	Z	106.62	1.79
105	MP2C	Mx	.034	1.79
106	MP2C	X	0	5.79
107	MP2C	Z	106.62	5.79
108	MP2C	Mx	.034	5.79
109	MP2A	X	0	1.79
110	MP2A	Z	143.579	1.79
111	MP2A	Mx	-.096	1.79
112	MP2A	X	0	5.79
113	MP2A	Z	143.579	5.79
114	MP2A	Mx	-.096	5.79
115	MP2B	X	0	1.79
116	MP2B	Z	106.62	1.79
117	MP2B	Mx	-.034	1.79
118	MP2B	X	0	5.79
119	MP2B	Z	106.62	5.79
120	MP2B	Mx	-.034	5.79

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
121	MP2C	X	0	1.79
122	MP2C	Z	106.62	1.79
123	MP2C	Mx	.105	1.79
124	MP2C	X	0	5.79
125	MP2C	Z	106.62	5.79
126	MP2C	Mx	.105	5.79
127	MP5A	X	0	1.58
128	MP5A	Z	90.781	1.58
129	MP5A	Mx	0	1.58
130	MP5A	X	0	5.58
131	MP5A	Z	90.781	5.58
132	MP5A	Mx	0	5.58
133	MP5B	X	0	1.58
134	MP5B	Z	76.605	1.58
135	MP5B	Mx	-.05	1.58
136	MP5B	X	0	5.58
137	MP5B	Z	76.605	5.58
138	MP5B	Mx	-.05	5.58
139	MP5C	X	0	1.58
140	MP5C	Z	76.605	1.58
141	MP5C	Mx	.05	1.58
142	MP5C	X	0	5.58
143	MP5C	Z	76.605	5.58
144	MP5C	Mx	.05	5.58

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP5B	X	-3.94	1
2	MP5B	Z	6.825	1
3	MP5B	Mx	0	1
4	MP5C	X	-3.94	1
5	MP5C	Z	6.825	1
6	MP5C	Mx	0	1
7	MP2A	X	-15.141	7
8	MP2A	Z	26.226	7
9	MP2A	Mx	-.024	7
10	MP2B	X	-15.175	7
11	MP2B	Z	26.284	7
12	MP2B	Mx	.03	7
13	MP2C	X	-15.141	7
14	MP2C	Z	26.226	7
15	MP2C	Mx	-.006	7
16	MP2A	X	-15.141	7
17	MP2A	Z	26.226	7
18	MP2A	Mx	-.006	7
19	MP2B	X	-15.175	7
20	MP2B	Z	26.284	7
21	MP2B	Mx	.03	7
22	MP2C	X	-15.141	7
23	MP2C	Z	26.226	7
24	MP2C	Mx	-.024	7
25	MP1A	X	-5.604	2.58
26	MP1A	Z	9.706	2.58
27	MP1A	Mx	.004	2.58
28	MP1A	X	-5.604	4.58
29	MP1A	Z	9.706	4.58



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
30	MP1A	Mx	.004	4.58
31	MP1B	X	-1.375	2.58
32	MP1B	Z	2.382	2.58
33	MP1B	Mx	-.002	2.58
34	MP1B	X	-1.375	4.58
35	MP1B	Z	2.382	4.58
36	MP1B	Mx	-.002	4.58
37	MP1C	X	-5.604	2.58
38	MP1C	Z	9.706	2.58
39	MP1C	Mx	.004	2.58
40	MP1C	X	-5.604	4.58
41	MP1C	Z	9.706	4.58
42	MP1C	Mx	.004	4.58
43	MP4A	X	-25.828	2.58
44	MP4A	Z	44.735	2.58
45	MP4A	Mx	.019	2.58
46	MP4A	X	-25.828	4.58
47	MP4A	Z	44.735	4.58
48	MP4A	Mx	.019	4.58
49	MP4B	X	-10.638	2.58
50	MP4B	Z	18.426	2.58
51	MP4B	Mx	-.016	2.58
52	MP4B	X	-10.638	4.58
53	MP4B	Z	18.426	4.58
54	MP4B	Mx	-.016	4.58
55	MP4C	X	-25.828	2.58
56	MP4C	Z	44.735	2.58
57	MP4C	Mx	.019	2.58
58	MP4C	X	-25.828	4.58
59	MP4C	Z	44.735	4.58
60	MP4C	Mx	.019	4.58
61	MP2A	X	-4.484	2.5
62	MP2A	Z	7.766	2.5
63	MP2A	Mx	-.004	2.5
64	MP2B	X	-4.484	2.5
65	MP2B	Z	7.766	2.5
66	MP2B	Mx	-.004	2.5
67	MP2C	X	-4.484	2.5
68	MP2C	Z	7.766	2.5
69	MP2C	Mx	-.004	2.5
70	OVP	X	-52.611	1
71	OVP	Z	91.124	1
72	OVP	Mx	0	1
73	MP3A	X	-18.4	4
74	MP3A	Z	31.871	4
75	MP3A	Mx	-.016	4
76	MP3B	X	-18.4	4
77	MP3B	Z	31.871	4
78	MP3B	Mx	-.016	4
79	MP3C	X	-18.4	4
80	MP3C	Z	31.871	4
81	MP3C	Mx	-.016	4
82	MP2A	X	-16.155	4
83	MP2A	Z	27.981	4
84	MP2A	Mx	-.014	4
85	MP2B	X	-16.155	4
86	MP2B	Z	27.981	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
87	MP2B	Mx	-.014	4
88	MP2C	X	-16.155	4
89	MP2C	Z	27.981	4
90	MP2C	Mx	-.014	4
91	MP2A	X	-65.63	1.79
92	MP2A	Z	113.674	1.79
93	MP2A	Mx	.125	1.79
94	MP2A	X	-65.63	5.79
95	MP2A	Z	113.674	5.79
96	MP2A	Mx	.125	5.79
97	MP2B	X	-47.15	1.79
98	MP2B	Z	81.667	1.79
99	MP2B	Mx	-.071	1.79
100	MP2B	X	-47.15	5.79
101	MP2B	Z	81.667	5.79
102	MP2B	Mx	-.071	5.79
103	MP2C	X	-65.63	1.79
104	MP2C	Z	113.674	1.79
105	MP2C	Mx	-.027	1.79
106	MP2C	X	-65.63	5.79
107	MP2C	Z	113.674	5.79
108	MP2C	Mx	-.027	5.79
109	MP2A	X	-65.63	1.79
110	MP2A	Z	113.674	1.79
111	MP2A	Mx	-.027	1.79
112	MP2A	X	-65.63	5.79
113	MP2A	Z	113.674	5.79
114	MP2A	Mx	-.027	5.79
115	MP2B	X	-47.15	1.79
116	MP2B	Z	81.667	1.79
117	MP2B	Mx	-.071	1.79
118	MP2B	X	-47.15	5.79
119	MP2B	Z	81.667	5.79
120	MP2B	Mx	-.071	5.79
121	MP2C	X	-65.63	1.79
122	MP2C	Z	113.674	1.79
123	MP2C	Mx	.125	1.79
124	MP2C	X	-65.63	5.79
125	MP2C	Z	113.674	5.79
126	MP2C	Mx	.125	5.79
127	MP5A	X	-43.028	1.58
128	MP5A	Z	74.526	1.58
129	MP5A	Mx	.032	1.58
130	MP5A	X	-43.028	5.58
131	MP5A	Z	74.526	5.58
132	MP5A	Mx	.032	5.58
133	MP5B	X	-35.94	1.58
134	MP5B	Z	62.25	1.58
135	MP5B	Mx	-.054	1.58
136	MP5B	X	-35.94	5.58
137	MP5B	Z	62.25	5.58
138	MP5B	Mx	-.054	5.58
139	MP5C	X	-43.028	1.58
140	MP5C	Z	74.526	1.58
141	MP5C	Mx	.032	1.58
142	MP5C	X	-43.028	5.58
143	MP5C	Z	74.526	5.58



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
144	MP5C	Mx	.032	5.58

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP5B	X	0	1
2	MP5B	Z	0	1
3	MP5B	Mx	0	1
4	MP5C	X	0	1
5	MP5C	Z	0	1
6	MP5C	Mx	0	1
7	MP2A	X	-26.264	7
8	MP2A	Z	15.164	7
9	MP2A	Mx	-.031	7
10	MP2B	X	-26.264	7
11	MP2B	Z	15.164	7
12	MP2B	Mx	.021	7
13	MP2C	X	-26.206	7
14	MP2C	Z	15.13	7
15	MP2C	Mx	.01	7
16	MP2A	X	-26.264	7
17	MP2A	Z	15.164	7
18	MP2A	Mx	-.021	7
19	MP2B	X	-26.264	7
20	MP2B	Z	15.164	7
21	MP2B	Mx	.031	7
22	MP2C	X	-26.206	7
23	MP2C	Z	15.13	7
24	MP2C	Mx	-.01	7
25	MP1A	X	-4.824	2.58
26	MP1A	Z	2.785	2.58
27	MP1A	Mx	.004	2.58
28	MP1A	X	-4.824	4.58
29	MP1A	Z	2.785	4.58
30	MP1A	Mx	.004	4.58
31	MP1B	X	-4.824	2.58
32	MP1B	Z	2.785	2.58
33	MP1B	Mx	-.004	2.58
34	MP1B	X	-4.824	4.58
35	MP1B	Z	2.785	4.58
36	MP1B	Mx	-.004	4.58
37	MP1C	X	-12.148	2.58
38	MP1C	Z	7.013	2.58
39	MP1C	Mx	0	2.58
40	MP1C	X	-12.148	4.58
41	MP1C	Z	7.013	4.58
42	MP1C	Mx	0	4.58
43	MP4A	X	-27.196	2.58
44	MP4A	Z	15.701	2.58
45	MP4A	Mx	.02	2.58
46	MP4A	X	-27.196	4.58
47	MP4A	Z	15.701	4.58
48	MP4A	Mx	.02	4.58
49	MP4B	X	-27.196	2.58
50	MP4B	Z	15.701	2.58
51	MP4B	Mx	-.02	2.58
52	MP4B	X	-27.196	4.58

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

Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]	
53	MP4B	Z	15.701	4.58
54	MP4B	Mx	-.02	4.58
55	MP4C	X	-53.504	2.58
56	MP4C	Z	30.891	2.58
57	MP4C	Mx	0	2.58
58	MP4C	X	-53.504	4.58
59	MP4C	Z	30.891	4.58
60	MP4C	Mx	0	4.58
61	MP2A	X	-6.988	2.5
62	MP2A	Z	4.035	2.5
63	MP2A	Mx	-.004	2.5
64	MP2B	X	-6.988	2.5
65	MP2B	Z	4.035	2.5
66	MP2B	Mx	-.004	2.5
67	MP2C	X	-6.988	2.5
68	MP2C	Z	4.035	2.5
69	MP2C	Mx	-.004	2.5
70	OVP	X	-84.556	1
71	OVP	Z	48.818	1
72	OVP	Mx	0	1
73	MP3A	X	-28.39	4
74	MP3A	Z	16.391	4
75	MP3A	Mx	-.016	4
76	MP3B	X	-28.39	4
77	MP3B	Z	16.391	4
78	MP3B	Mx	-.016	4
79	MP3C	X	-28.39	4
80	MP3C	Z	16.391	4
81	MP3C	Mx	-.016	4
82	MP2A	X	-23.203	4
83	MP2A	Z	13.396	4
84	MP2A	Mx	-.013	4
85	MP2B	X	-23.203	4
86	MP2B	Z	13.396	4
87	MP2B	Mx	-.013	4
88	MP2C	X	-23.203	4
89	MP2C	Z	13.396	4
90	MP2C	Mx	-.013	4
91	MP2A	X	-92.336	1.79
92	MP2A	Z	53.31	1.79
93	MP2A	Mx	.105	1.79
94	MP2A	X	-92.336	5.79
95	MP2A	Z	53.31	5.79
96	MP2A	Mx	.105	5.79
97	MP2B	X	-92.336	1.79
98	MP2B	Z	53.31	1.79
99	MP2B	Mx	-.034	1.79
100	MP2B	X	-92.336	5.79
101	MP2B	Z	53.31	5.79
102	MP2B	Mx	-.034	5.79
103	MP2C	X	-124.343	1.79
104	MP2C	Z	71.789	1.79
105	MP2C	Mx	-.096	1.79
106	MP2C	X	-124.343	5.79
107	MP2C	Z	71.789	5.79
108	MP2C	Mx	-.096	5.79
109	MP2A	X	-92.336	1.79

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
110	MP2A	Z	53.31	1.79
111	MP2A	Mx	.034	1.79
112	MP2A	X	-92.336	5.79
113	MP2A	Z	53.31	5.79
114	MP2A	Mx	.034	5.79
115	MP2B	X	-92.336	1.79
116	MP2B	Z	53.31	1.79
117	MP2B	Mx	-.105	1.79
118	MP2B	X	-92.336	5.79
119	MP2B	Z	53.31	5.79
120	MP2B	Mx	-.105	5.79
121	MP2C	X	-124.343	1.79
122	MP2C	Z	71.789	1.79
123	MP2C	Mx	.096	1.79
124	MP2C	X	-124.343	5.79
125	MP2C	Z	71.789	5.79
126	MP2C	Mx	.096	5.79
127	MP5A	X	-66.342	1.58
128	MP5A	Z	38.303	1.58
129	MP5A	Mx	.05	1.58
130	MP5A	X	-66.342	5.58
131	MP5A	Z	38.303	5.58
132	MP5A	Mx	.05	5.58
133	MP5B	X	-66.342	1.58
134	MP5B	Z	38.303	1.58
135	MP5B	Mx	-.05	1.58
136	MP5B	X	-66.342	5.58
137	MP5B	Z	38.303	5.58
138	MP5B	Mx	-.05	5.58
139	MP5C	X	-78.619	1.58
140	MP5C	Z	45.39	1.58
141	MP5C	Mx	0	1.58
142	MP5C	X	-78.619	5.58
143	MP5C	Z	45.39	5.58
144	MP5C	Mx	0	5.58

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP5B	X	-7.88	1
2	MP5B	Z	0	1
3	MP5B	Mx	0	1
4	MP5C	X	-7.88	1
5	MP5C	Z	0	1
6	MP5C	Mx	0	1
7	MP2A	X	-30.35	7
8	MP2A	Z	0	7
9	MP2A	Mx	-.03	7
10	MP2B	X	-30.283	7
11	MP2B	Z	0	7
12	MP2B	Mx	.006	7
13	MP2C	X	-30.283	7
14	MP2C	Z	0	7
15	MP2C	Mx	.024	7
16	MP2A	X	-30.35	7
17	MP2A	Z	0	7
18	MP2A	Mx	-.03	7



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
19	MP2B	X	-30.283	7
20	MP2B	Z	0	7
21	MP2B	Mx	.024	7
22	MP2C	X	-30.283	7
23	MP2C	Z	0	7
24	MP2C	Mx	.006	7
25	MP1A	X	-2.751	2.58
26	MP1A	Z	0	2.58
27	MP1A	Mx	.002	2.58
28	MP1A	X	-2.751	4.58
29	MP1A	Z	0	4.58
30	MP1A	Mx	.002	4.58
31	MP1B	X	-11.208	2.58
32	MP1B	Z	0	2.58
33	MP1B	Mx	-.004	2.58
34	MP1B	X	-11.208	4.58
35	MP1B	Z	0	4.58
36	MP1B	Mx	-.004	4.58
37	MP1C	X	-11.208	2.58
38	MP1C	Z	0	2.58
39	MP1C	Mx	-.004	2.58
40	MP1C	X	-11.208	4.58
41	MP1C	Z	0	4.58
42	MP1C	Mx	-.004	4.58
43	MP4A	X	-21.277	2.58
44	MP4A	Z	0	2.58
45	MP4A	Mx	.016	2.58
46	MP4A	X	-21.277	4.58
47	MP4A	Z	0	4.58
48	MP4A	Mx	.016	4.58
49	MP4B	X	-51.655	2.58
50	MP4B	Z	0	2.58
51	MP4B	Mx	-.019	2.58
52	MP4B	X	-51.655	4.58
53	MP4B	Z	0	4.58
54	MP4B	Mx	-.019	4.58
55	MP4C	X	-51.655	2.58
56	MP4C	Z	0	2.58
57	MP4C	Mx	-.019	2.58
58	MP4C	X	-51.655	4.58
59	MP4C	Z	0	4.58
60	MP4C	Mx	-.019	4.58
61	MP2A	X	-8.968	2.5
62	MP2A	Z	0	2.5
63	MP2A	Mx	-.004	2.5
64	MP2B	X	-8.968	2.5
65	MP2B	Z	0	2.5
66	MP2B	Mx	-.004	2.5
67	MP2C	X	-8.968	2.5
68	MP2C	Z	0	2.5
69	MP2C	Mx	-.004	2.5
70	OVP	X	-105.221	1
71	OVP	Z	0	1
72	OVP	Mx	0	1
73	MP3A	X	-36.801	4
74	MP3A	Z	0	4
75	MP3A	Mx	-.016	4



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
76	MP3B	X	-36.801	4
77	MP3B	Z	0	4
78	MP3B	Mx	-.016	4
79	MP3C	X	-36.801	4
80	MP3C	Z	0	4
81	MP3C	Mx	-.016	4
82	MP2A	X	-32.309	4
83	MP2A	Z	0	4
84	MP2A	Mx	-.014	4
85	MP2B	X	-32.309	4
86	MP2B	Z	0	4
87	MP2B	Mx	-.014	4
88	MP2C	X	-32.309	4
89	MP2C	Z	0	4
90	MP2C	Mx	-.014	4
91	MP2A	X	-94.301	1.79
92	MP2A	Z	0	1.79
93	MP2A	Mx	.071	1.79
94	MP2A	X	-94.301	5.79
95	MP2A	Z	0	5.79
96	MP2A	Mx	.071	5.79
97	MP2B	X	-131.259	1.79
98	MP2B	Z	0	1.79
99	MP2B	Mx	.027	1.79
100	MP2B	X	-131.259	5.79
101	MP2B	Z	0	5.79
102	MP2B	Mx	.027	5.79
103	MP2C	X	-131.259	1.79
104	MP2C	Z	0	1.79
105	MP2C	Mx	-.125	1.79
106	MP2C	X	-131.259	5.79
107	MP2C	Z	0	5.79
108	MP2C	Mx	-.125	5.79
109	MP2A	X	-94.301	1.79
110	MP2A	Z	0	1.79
111	MP2A	Mx	.071	1.79
112	MP2A	X	-94.301	5.79
113	MP2A	Z	0	5.79
114	MP2A	Mx	.071	5.79
115	MP2B	X	-131.259	1.79
116	MP2B	Z	0	1.79
117	MP2B	Mx	-.125	1.79
118	MP2B	X	-131.259	5.79
119	MP2B	Z	0	5.79
120	MP2B	Mx	-.125	5.79
121	MP2C	X	-131.259	1.79
122	MP2C	Z	0	1.79
123	MP2C	Mx	.027	1.79
124	MP2C	X	-131.259	5.79
125	MP2C	Z	0	5.79
126	MP2C	Mx	.027	5.79
127	MP5A	X	-71.88	1.58
128	MP5A	Z	0	1.58
129	MP5A	Mx	.054	1.58
130	MP5A	X	-71.88	5.58
131	MP5A	Z	0	5.58
132	MP5A	Mx	.054	5.58



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
133	MP5B	X	-86.056	1.58
134	MP5B	Z	0	1.58
135	MP5B	Mx	-.032	1.58
136	MP5B	X	-86.056	5.58
137	MP5B	Z	0	5.58
138	MP5B	Mx	-.032	5.58
139	MP5C	X	-86.056	1.58
140	MP5C	Z	0	1.58
141	MP5C	Mx	-.032	1.58
142	MP5C	X	-86.056	5.58
143	MP5C	Z	0	5.58
144	MP5C	Mx	-.032	5.58

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	X	-20.474	1
2	MP5B	Z	-11.82	1
3	MP5B	Mx	0	1
4	MP5C	X	-20.474	1
5	MP5C	Z	-11.82	1
6	MP5C	Mx	0	1
7	MP2A	X	-26.264	7
8	MP2A	Z	-15.164	7
9	MP2A	Mx	-.021	7
10	MP2B	X	-26.206	7
11	MP2B	Z	-15.13	7
12	MP2B	Mx	-.01	7
13	MP2C	X	-26.264	7
14	MP2C	Z	-15.164	7
15	MP2C	Mx	.031	7
16	MP2A	X	-26.264	7
17	MP2A	Z	-15.164	7
18	MP2A	Mx	-.031	7
19	MP2B	X	-26.206	7
20	MP2B	Z	-15.13	7
21	MP2B	Mx	.01	7
22	MP2C	X	-26.264	7
23	MP2C	Z	-15.164	7
24	MP2C	Mx	.021	7
25	MP1A	X	-4.824	2.58
26	MP1A	Z	-2.785	2.58
27	MP1A	Mx	.004	2.58
28	MP1A	X	-4.824	4.58
29	MP1A	Z	-2.785	4.58
30	MP1A	Mx	.004	4.58
31	MP1B	X	-12.148	2.58
32	MP1B	Z	-7.013	2.58
33	MP1B	Mx	0	2.58
34	MP1B	X	-12.148	4.58
35	MP1B	Z	-7.013	4.58
36	MP1B	Mx	0	4.58
37	MP1C	X	-4.824	2.58
38	MP1C	Z	-2.785	2.58
39	MP1C	Mx	-.004	2.58
40	MP1C	X	-4.824	4.58
41	MP1C	Z	-2.785	4.58

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
42	MP1C	Mx	-.004	4.58
43	MP4A	X	-27.196	2.58
44	MP4A	Z	-15.701	2.58
45	MP4A	Mx	.02	2.58
46	MP4A	X	-27.196	4.58
47	MP4A	Z	-15.701	4.58
48	MP4A	Mx	.02	4.58
49	MP4B	X	-53.504	2.58
50	MP4B	Z	-30.891	2.58
51	MP4B	Mx	0	2.58
52	MP4B	X	-53.504	4.58
53	MP4B	Z	-30.891	4.58
54	MP4B	Mx	0	4.58
55	MP4C	X	-27.196	2.58
56	MP4C	Z	-15.701	2.58
57	MP4C	Mx	-.02	2.58
58	MP4C	X	-27.196	4.58
59	MP4C	Z	-15.701	4.58
60	MP4C	Mx	-.02	4.58
61	MP2A	X	-9.322	2.5
62	MP2A	Z	-5.382	2.5
63	MP2A	Mx	-.003	2.5
64	MP2B	X	-9.322	2.5
65	MP2B	Z	-5.382	2.5
66	MP2B	Mx	-.003	2.5
67	MP2C	X	-9.322	2.5
68	MP2C	Z	-5.382	2.5
69	MP2C	Mx	-.003	2.5
70	OVP	X	-104.262	1
71	OVP	Z	-60.195	1
72	OVP	Mx	0	1
73	MP3A	X	-38.832	4
74	MP3A	Z	-22.419	4
75	MP3A	Mx	-.011	4
76	MP3B	X	-38.832	4
77	MP3B	Z	-22.419	4
78	MP3B	Mx	-.011	4
79	MP3C	X	-38.832	4
80	MP3C	Z	-22.419	4
81	MP3C	Mx	-.011	4
82	MP2A	X	-37.535	4
83	MP2A	Z	-21.671	4
84	MP2A	Mx	-.011	4
85	MP2B	X	-37.535	4
86	MP2B	Z	-21.671	4
87	MP2B	Mx	-.011	4
88	MP2C	X	-37.535	4
89	MP2C	Z	-21.671	4
90	MP2C	Mx	-.011	4
91	MP2A	X	-92.336	1.79
92	MP2A	Z	-53.31	1.79
93	MP2A	Mx	.034	1.79
94	MP2A	X	-92.336	5.79
95	MP2A	Z	-53.31	5.79
96	MP2A	Mx	.034	5.79
97	MP2B	X	-124.343	1.79
98	MP2B	Z	-71.789	1.79



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
99	MP2B	Mx	.096	1.79
100	MP2B	X	-124.343	5.79
101	MP2B	Z	-71.789	5.79
102	MP2B	Mx	.096	5.79
103	MP2C	X	-92.336	1.79
104	MP2C	Z	-53.31	1.79
105	MP2C	Mx	-.105	1.79
106	MP2C	X	-92.336	5.79
107	MP2C	Z	-53.31	5.79
108	MP2C	Mx	-.105	5.79
109	MP2A	X	-92.336	1.79
110	MP2A	Z	-53.31	1.79
111	MP2A	Mx	.105	1.79
112	MP2A	X	-92.336	5.79
113	MP2A	Z	-53.31	5.79
114	MP2A	Mx	.105	5.79
115	MP2B	X	-124.343	1.79
116	MP2B	Z	-71.789	1.79
117	MP2B	Mx	-.096	1.79
118	MP2B	X	-124.343	5.79
119	MP2B	Z	-71.789	5.79
120	MP2B	Mx	-.096	5.79
121	MP2C	X	-92.336	1.79
122	MP2C	Z	-53.31	1.79
123	MP2C	Mx	-.034	1.79
124	MP2C	X	-92.336	5.79
125	MP2C	Z	-53.31	5.79
126	MP2C	Mx	-.034	5.79
127	MP5A	X	-66.342	1.58
128	MP5A	Z	-38.303	1.58
129	MP5A	Mx	.05	1.58
130	MP5A	X	-66.342	5.58
131	MP5A	Z	-38.303	5.58
132	MP5A	Mx	.05	5.58
133	MP5B	X	-78.619	1.58
134	MP5B	Z	-45.39	1.58
135	MP5B	Mx	0	1.58
136	MP5B	X	-78.619	5.58
137	MP5B	Z	-45.39	5.58
138	MP5B	Mx	0	5.58
139	MP5C	X	-66.342	1.58
140	MP5C	Z	-38.303	1.58
141	MP5C	Mx	-.05	1.58
142	MP5C	X	-66.342	5.58
143	MP5C	Z	-38.303	5.58
144	MP5C	Mx	-.05	5.58

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP5B	X	-15.761	1
2	MP5B	Z	-27.298	1
3	MP5B	Mx	0	1
4	MP5C	X	-15.761	1
5	MP5C	Z	-27.298	1
6	MP5C	Mx	0	1
7	MP2A	X	-15.141	7



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP2A	Z	-26.226	7
9	MP2A	Mx	-.006	7
10	MP2B	X	-15.141	7
11	MP2B	Z	-26.226	7
12	MP2B	Mx	-.024	7
13	MP2C	X	-15.175	7
14	MP2C	Z	-26.284	7
15	MP2C	Mx	.03	7
16	MP2A	X	-15.141	7
17	MP2A	Z	-26.226	7
18	MP2A	Mx	-.024	7
19	MP2B	X	-15.141	7
20	MP2B	Z	-26.226	7
21	MP2B	Mx	-.006	7
22	MP2C	X	-15.175	7
23	MP2C	Z	-26.284	7
24	MP2C	Mx	.03	7
25	MP1A	X	-5.604	2.58
26	MP1A	Z	-9.706	2.58
27	MP1A	Mx	.004	2.58
28	MP1A	X	-5.604	4.58
29	MP1A	Z	-9.706	4.58
30	MP1A	Mx	.004	4.58
31	MP1B	X	-5.604	2.58
32	MP1B	Z	-9.706	2.58
33	MP1B	Mx	.004	2.58
34	MP1B	X	-5.604	4.58
35	MP1B	Z	-9.706	4.58
36	MP1B	Mx	.004	4.58
37	MP1C	X	-1.375	2.58
38	MP1C	Z	-2.382	2.58
39	MP1C	Mx	-.002	2.58
40	MP1C	X	-1.375	4.58
41	MP1C	Z	-2.382	4.58
42	MP1C	Mx	-.002	4.58
43	MP4A	X	-25.828	2.58
44	MP4A	Z	-44.735	2.58
45	MP4A	Mx	.019	2.58
46	MP4A	X	-25.828	4.58
47	MP4A	Z	-44.735	4.58
48	MP4A	Mx	.019	4.58
49	MP4B	X	-25.828	2.58
50	MP4B	Z	-44.735	2.58
51	MP4B	Mx	.019	2.58
52	MP4B	X	-25.828	4.58
53	MP4B	Z	-44.735	4.58
54	MP4B	Mx	.019	4.58
55	MP4C	X	-10.638	2.58
56	MP4C	Z	-18.426	2.58
57	MP4C	Mx	-.016	2.58
58	MP4C	X	-10.638	4.58
59	MP4C	Z	-18.426	4.58
60	MP4C	Mx	-.016	4.58
61	MP2A	X	-5.831	2.5
62	MP2A	Z	-10.1	2.5
63	MP2A	Mx	0	2.5
64	MP2B	X	-5.831	2.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
65	MP2B	Z	-10.1	2.5
66	MP2B	Mx	0	2.5
67	MP2C	X	-5.831	2.5
68	MP2C	Z	-10.1	2.5
69	MP2C	Mx	0	2.5
70	OVP	X	-63.988	1
71	OVP	Z	-110.83	1
72	OVP	Mx	0	1
73	MP3A	X	-24.429	4
74	MP3A	Z	-42.312	4
75	MP3A	Mx	0	4
76	MP3B	X	-24.429	4
77	MP3B	Z	-42.312	4
78	MP3B	Mx	0	4
79	MP3C	X	-24.429	4
80	MP3C	Z	-42.312	4
81	MP3C	Mx	0	4
82	MP2A	X	-24.429	4
83	MP2A	Z	-42.312	4
84	MP2A	Mx	0	4
85	MP2B	X	-24.429	4
86	MP2B	Z	-42.312	4
87	MP2B	Mx	0	4
88	MP2C	X	-24.429	4
89	MP2C	Z	-42.312	4
90	MP2C	Mx	0	4
91	MP2A	X	-65.63	1.79
92	MP2A	Z	-113.674	1.79
93	MP2A	Mx	-.027	1.79
94	MP2A	X	-65.63	5.79
95	MP2A	Z	-113.674	5.79
96	MP2A	Mx	-.027	5.79
97	MP2B	X	-65.63	1.79
98	MP2B	Z	-113.674	1.79
99	MP2B	Mx	.125	1.79
100	MP2B	X	-65.63	5.79
101	MP2B	Z	-113.674	5.79
102	MP2B	Mx	.125	5.79
103	MP2C	X	-47.15	1.79
104	MP2C	Z	-81.667	1.79
105	MP2C	Mx	-.071	1.79
106	MP2C	X	-47.15	5.79
107	MP2C	Z	-81.667	5.79
108	MP2C	Mx	-.071	5.79
109	MP2A	X	-65.63	1.79
110	MP2A	Z	-113.674	1.79
111	MP2A	Mx	.125	1.79
112	MP2A	X	-65.63	5.79
113	MP2A	Z	-113.674	5.79
114	MP2A	Mx	.125	5.79
115	MP2B	X	-65.63	1.79
116	MP2B	Z	-113.674	1.79
117	MP2B	Mx	-.027	1.79
118	MP2B	X	-65.63	5.79
119	MP2B	Z	-113.674	5.79
120	MP2B	Mx	-.027	5.79
121	MP2C	X	-47.15	1.79

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
122	MP2C	Z	-81.667	1.79
123	MP2C	Mx	-.071	1.79
124	MP2C	X	-47.15	5.79
125	MP2C	Z	-81.667	5.79
126	MP2C	Mx	-.071	5.79
127	MP5A	X	-43.028	1.58
128	MP5A	Z	-74.526	1.58
129	MP5A	Mx	.032	1.58
130	MP5A	X	-43.028	5.58
131	MP5A	Z	-74.526	5.58
132	MP5A	Mx	.032	5.58
133	MP5B	X	-43.028	1.58
134	MP5B	Z	-74.526	1.58
135	MP5B	Mx	.032	1.58
136	MP5B	X	-43.028	5.58
137	MP5B	Z	-74.526	5.58
138	MP5B	Mx	.032	5.58
139	MP5C	X	-35.94	1.58
140	MP5C	Z	-62.25	1.58
141	MP5C	Mx	-.054	1.58
142	MP5C	X	-35.94	5.58
143	MP5C	Z	-62.25	5.58
144	MP5C	Mx	-.054	5.58

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP5B	X	0	1
2	MP5B	Z	-9.753	1
3	MP5B	Mx	0	1
4	MP5C	X	0	1
5	MP5C	Z	-9.753	1
6	MP5C	Mx	0	1
7	MP2A	X	0	7
8	MP2A	Z	-2.508	7
9	MP2A	Mx	.000836	7
10	MP2B	X	0	7
11	MP2B	Z	-5.645	7
12	MP2B	Mx	-.006	7
13	MP2C	X	0	7
14	MP2C	Z	-5.645	7
15	MP2C	Mx	.004	7
16	MP2A	X	0	7
17	MP2A	Z	-2.508	7
18	MP2A	Mx	-.000836	7
19	MP2B	X	0	7
20	MP2B	Z	-5.645	7
21	MP2B	Mx	-.004	7
22	MP2C	X	0	7
23	MP2C	Z	-5.645	7
24	MP2C	Mx	.006	7
25	MP1A	X	0	2.58
26	MP1A	Z	-3.136	2.58
27	MP1A	Mx	0	2.58
28	MP1A	X	0	4.58
29	MP1A	Z	-3.136	4.58
30	MP1A	Mx	0	4.58



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
31	MP1B	X	0	2.58
32	MP1B	Z	-1.47	2.58
33	MP1B	Mx	.000955	2.58
34	MP1B	X	0	4.58
35	MP1B	Z	-1.47	4.58
36	MP1B	Mx	.000955	4.58
37	MP1C	X	0	2.58
38	MP1C	Z	-1.47	2.58
39	MP1C	Mx	-.000955	2.58
40	MP1C	X	0	4.58
41	MP1C	Z	-1.47	4.58
42	MP1C	Mx	-.000955	4.58
43	MP4A	X	0	2.58
44	MP4A	Z	-14.486	2.58
45	MP4A	Mx	0	2.58
46	MP4A	X	0	4.58
47	MP4A	Z	-14.486	4.58
48	MP4A	Mx	0	4.58
49	MP4B	X	0	2.58
50	MP4B	Z	-8.239	2.58
51	MP4B	Mx	.005	2.58
52	MP4B	X	0	4.58
53	MP4B	Z	-8.239	4.58
54	MP4B	Mx	.005	4.58
55	MP4C	X	0	2.58
56	MP4C	Z	-8.239	2.58
57	MP4C	Mx	-.005	2.58
58	MP4C	X	0	4.58
59	MP4C	Z	-8.239	4.58
60	MP4C	Mx	-.005	4.58
61	MP2A	X	0	2.5
62	MP2A	Z	-2.76	2.5
63	MP2A	Mx	.00069	2.5
64	MP2B	X	0	2.5
65	MP2B	Z	-2.76	2.5
66	MP2B	Mx	.00069	2.5
67	MP2C	X	0	2.5
68	MP2C	Z	-2.76	2.5
69	MP2C	Mx	.00069	2.5
70	OVP	X	0	1
71	OVP	Z	-23.717	1
72	OVP	Mx	0	1
73	MP3A	X	0	4
74	MP3A	Z	-11.262	4
75	MP3A	Mx	.003	4
76	MP3B	X	0	4
77	MP3B	Z	-11.262	4
78	MP3B	Mx	.003	4
79	MP3C	X	0	4
80	MP3C	Z	-11.262	4
81	MP3C	Mx	.003	4
82	MP2A	X	0	4
83	MP2A	Z	-10.909	4
84	MP2A	Mx	.003	4
85	MP2B	X	0	4
86	MP2B	Z	-10.909	4
87	MP2B	Mx	.003	4

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
88	MP2C	X	0	4
89	MP2C	Z	-10.909	4
90	MP2C	Mx	.003	4
91	MP2A	X	0	1.79
92	MP2A	Z	-27.254	1.79
93	MP2A	Mx	-.018	1.79
94	MP2A	X	0	5.79
95	MP2A	Z	-27.254	5.79
96	MP2A	Mx	-.018	5.79
97	MP2B	X	0	1.79
98	MP2B	Z	-20.744	1.79
99	MP2B	Mx	.02	1.79
100	MP2B	X	0	5.79
101	MP2B	Z	-20.744	5.79
102	MP2B	Mx	.02	5.79
103	MP2C	X	0	1.79
104	MP2C	Z	-20.744	1.79
105	MP2C	Mx	-.007	1.79
106	MP2C	X	0	5.79
107	MP2C	Z	-20.744	5.79
108	MP2C	Mx	-.007	5.79
109	MP2A	X	0	1.79
110	MP2A	Z	-27.254	1.79
111	MP2A	Mx	.018	1.79
112	MP2A	X	0	5.79
113	MP2A	Z	-27.254	5.79
114	MP2A	Mx	.018	5.79
115	MP2B	X	0	1.79
116	MP2B	Z	-20.744	1.79
117	MP2B	Mx	.007	1.79
118	MP2B	X	0	5.79
119	MP2B	Z	-20.744	5.79
120	MP2B	Mx	.007	5.79
121	MP2C	X	0	1.79
122	MP2C	Z	-20.744	1.79
123	MP2C	Mx	-.02	1.79
124	MP2C	X	0	5.79
125	MP2C	Z	-20.744	5.79
126	MP2C	Mx	-.02	5.79
127	MP5A	X	0	1.58
128	MP5A	Z	-17.954	1.58
129	MP5A	Mx	0	1.58
130	MP5A	X	0	5.58
131	MP5A	Z	-17.954	5.58
132	MP5A	Mx	0	5.58
133	MP5B	X	0	1.58
134	MP5B	Z	-15.385	1.58
135	MP5B	Mx	.01	1.58
136	MP5B	X	0	5.58
137	MP5B	Z	-15.385	5.58
138	MP5B	Mx	.01	5.58
139	MP5C	X	0	1.58
140	MP5C	Z	-15.385	1.58
141	MP5C	Mx	-.01	1.58
142	MP5C	X	0	5.58
143	MP5C	Z	-15.385	5.58
144	MP5C	Mx	-.01	5.58



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP5B	X	4.877	1
2	MP5B	Z	-8.447	1
3	MP5B	Mx	0	1
4	MP5C	X	4.877	1
5	MP5C	Z	-8.447	1
6	MP5C	Mx	0	1
7	MP2A	X	1.777	7
8	MP2A	Z	-3.078	7
9	MP2A	Mx	.003	7
10	MP2B	X	3.346	7
11	MP2B	Z	-5.795	7
12	MP2B	Mx	-.007	7
13	MP2C	X	1.777	7
14	MP2C	Z	-3.078	7
15	MP2C	Mx	.000751	7
16	MP2A	X	1.777	7
17	MP2A	Z	-3.078	7
18	MP2A	Mx	.000751	7
19	MP2B	X	3.346	7
20	MP2B	Z	-5.795	7
21	MP2B	Mx	-.007	7
22	MP2C	X	1.777	7
23	MP2C	Z	-3.078	7
24	MP2C	Mx	.003	7
25	MP1A	X	1.29	2.58
26	MP1A	Z	-2.235	2.58
27	MP1A	Mx	-.000967	2.58
28	MP1A	X	1.29	4.58
29	MP1A	Z	-2.235	4.58
30	MP1A	Mx	-.000967	4.58
31	MP1B	X	.457	2.58
32	MP1B	Z	-.792	2.58
33	MP1B	Mx	.000686	2.58
34	MP1B	X	.457	4.58
35	MP1B	Z	-.792	4.58
36	MP1B	Mx	.000686	4.58
37	MP1C	X	1.29	2.58
38	MP1C	Z	-2.235	2.58
39	MP1C	Mx	-.000968	2.58
40	MP1C	X	1.29	4.58
41	MP1C	Z	-2.235	4.58
42	MP1C	Mx	-.000968	4.58
43	MP4A	X	6.202	2.58
44	MP4A	Z	-10.742	2.58
45	MP4A	Mx	-.005	2.58
46	MP4A	X	6.202	4.58
47	MP4A	Z	-10.742	4.58
48	MP4A	Mx	-.005	4.58
49	MP4B	X	3.079	2.58
50	MP4B	Z	-5.332	2.58
51	MP4B	Mx	.005	2.58
52	MP4B	X	3.079	4.58
53	MP4B	Z	-5.332	4.58
54	MP4B	Mx	.005	4.58
55	MP4C	X	6.202	2.58
56	MP4C	Z	-10.742	2.58
57	MP4C	Mx	-.005	2.58



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4C	X	6.202	4.58
59	MP4C	Z	-10.742	4.58
60	MP4C	Mx	-.005	4.58
61	MP2A	X	1.196	2.5
62	MP2A	Z	-2.071	2.5
63	MP2A	Mx	.001	2.5
64	MP2B	X	1.196	2.5
65	MP2B	Z	-2.071	2.5
66	MP2B	Mx	.001	2.5
67	MP2C	X	1.196	2.5
68	MP2C	Z	-2.071	2.5
69	MP2C	Mx	.001	2.5
70	OVP	X	10.488	1
71	OVP	Z	-18.166	1
72	OVP	Mx	0	1
73	MP3A	X	4.701	4
74	MP3A	Z	-8.143	4
75	MP3A	Mx	.004	4
76	MP3B	X	4.701	4
77	MP3B	Z	-8.143	4
78	MP3B	Mx	.004	4
79	MP3C	X	4.701	4
80	MP3C	Z	-8.143	4
81	MP3C	Mx	.004	4
82	MP2A	X	4.171	4
83	MP2A	Z	-7.224	4
84	MP2A	Mx	.004	4
85	MP2B	X	4.171	4
86	MP2B	Z	-7.224	4
87	MP2B	Mx	.004	4
88	MP2C	X	4.171	4
89	MP2C	Z	-7.224	4
90	MP2C	Mx	.004	4
91	MP2A	X	12.542	1.79
92	MP2A	Z	-21.723	1.79
93	MP2A	Mx	-.024	1.79
94	MP2A	X	12.542	5.79
95	MP2A	Z	-21.723	5.79
96	MP2A	Mx	-.024	5.79
97	MP2B	X	9.287	1.79
98	MP2B	Z	-16.086	1.79
99	MP2B	Mx	.014	1.79
100	MP2B	X	9.287	5.79
101	MP2B	Z	-16.086	5.79
102	MP2B	Mx	.014	5.79
103	MP2C	X	12.542	1.79
104	MP2C	Z	-21.723	1.79
105	MP2C	Mx	.005	1.79
106	MP2C	X	12.542	5.79
107	MP2C	Z	-21.723	5.79
108	MP2C	Mx	.005	5.79
109	MP2A	X	12.542	1.79
110	MP2A	Z	-21.723	1.79
111	MP2A	Mx	.005	1.79
112	MP2A	X	12.542	5.79
113	MP2A	Z	-21.723	5.79
114	MP2A	Mx	.005	5.79

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
115	MP2B	X	9.287	1.79
116	MP2B	Z	-16.086	1.79
117	MP2B	Mx	.014	1.79
118	MP2B	X	9.287	5.79
119	MP2B	Z	-16.086	5.79
120	MP2B	Mx	.014	5.79
121	MP2C	X	12.542	1.79
122	MP2C	Z	-21.723	1.79
123	MP2C	Mx	-.024	1.79
124	MP2C	X	12.542	5.79
125	MP2C	Z	-21.723	5.79
126	MP2C	Mx	-.024	5.79
127	MP5A	X	8.549	1.58
128	MP5A	Z	-14.807	1.58
129	MP5A	Mx	-.006	1.58
130	MP5A	X	8.549	5.58
131	MP5A	Z	-14.807	5.58
132	MP5A	Mx	-.006	5.58
133	MP5B	X	7.264	1.58
134	MP5B	Z	-12.582	1.58
135	MP5B	Mx	.011	1.58
136	MP5B	X	7.264	5.58
137	MP5B	Z	-12.582	5.58
138	MP5B	Mx	.011	5.58
139	MP5C	X	8.549	1.58
140	MP5C	Z	-14.807	1.58
141	MP5C	Mx	-.006	1.58
142	MP5C	X	8.549	5.58
143	MP5C	Z	-14.807	5.58
144	MP5C	Mx	-.006	5.58

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
1	MP5B	X	8.447	1
2	MP5B	Z	-4.877	1
3	MP5B	Mx	0	1
4	MP5C	X	8.447	1
5	MP5C	Z	-4.877	1
6	MP5C	Mx	0	1
7	MP2A	X	4.889	7
8	MP2A	Z	-2.823	7
9	MP2A	Mx	.006	7
10	MP2B	X	4.889	7
11	MP2B	Z	-2.823	7
12	MP2B	Mx	-.004	7
13	MP2C	X	2.172	7
14	MP2C	Z	-1.254	7
15	MP2C	Mx	-.000836	7
16	MP2A	X	4.889	7
17	MP2A	Z	-2.823	7
18	MP2A	Mx	.004	7
19	MP2B	X	4.889	7
20	MP2B	Z	-2.823	7
21	MP2B	Mx	-.006	7
22	MP2C	X	2.172	7
23	MP2C	Z	-1.254	7



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP2C	Mx	.000836	7
25	MP1A	X	1.273	2.58
26	MP1A	Z	-.735	2.58
27	MP1A	Mx	-.000955	2.58
28	MP1A	X	1.273	4.58
29	MP1A	Z	-.735	4.58
30	MP1A	Mx	-.000955	4.58
31	MP1B	X	1.273	2.58
32	MP1B	Z	-.735	2.58
33	MP1B	Mx	.000955	2.58
34	MP1B	X	1.273	4.58
35	MP1B	Z	-.735	4.58
36	MP1B	Mx	.000955	4.58
37	MP1C	X	2.716	2.58
38	MP1C	Z	-1.568	2.58
39	MP1C	Mx	0	2.58
40	MP1C	X	2.716	4.58
41	MP1C	Z	-1.568	4.58
42	MP1C	Mx	0	4.58
43	MP4A	X	7.136	2.58
44	MP4A	Z	-4.12	2.58
45	MP4A	Mx	-.005	2.58
46	MP4A	X	7.136	4.58
47	MP4A	Z	-4.12	4.58
48	MP4A	Mx	-.005	4.58
49	MP4B	X	7.136	2.58
50	MP4B	Z	-4.12	2.58
51	MP4B	Mx	.005	2.58
52	MP4B	X	7.136	4.58
53	MP4B	Z	-4.12	4.58
54	MP4B	Mx	.005	4.58
55	MP4C	X	12.545	2.58
56	MP4C	Z	-7.243	2.58
57	MP4C	Mx	0	2.58
58	MP4C	X	12.545	4.58
59	MP4C	Z	-7.243	4.58
60	MP4C	Mx	0	4.58
61	MP2A	X	1.911	2.5
62	MP2A	Z	-1.103	2.5
63	MP2A	Mx	.001	2.5
64	MP2B	X	1.911	2.5
65	MP2B	Z	-1.103	2.5
66	MP2B	Mx	.001	2.5
67	MP2C	X	1.911	2.5
68	MP2C	Z	-1.103	2.5
69	MP2C	Mx	.001	2.5
70	OVP	X	16.98	1
71	OVP	Z	-9.803	1
72	OVP	Mx	0	1
73	MP3A	X	7.337	4
74	MP3A	Z	-4.236	4
75	MP3A	Mx	.004	4
76	MP3B	X	7.337	4
77	MP3B	Z	-4.236	4
78	MP3B	Mx	.004	4
79	MP3C	X	7.337	4
80	MP3C	Z	-4.236	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
81	MP3C	Mx	.004	4
82	MP2A	X	6.113	4
83	MP2A	Z	-3.529	4
84	MP2A	Mx	.004	4
85	MP2B	X	6.113	4
86	MP2B	Z	-3.529	4
87	MP2B	Mx	.004	4
88	MP2C	X	6.113	4
89	MP2C	Z	-3.529	4
90	MP2C	Mx	.004	4
91	MP2A	X	17.965	1.79
92	MP2A	Z	-10.372	1.79
93	MP2A	Mx	-.02	1.79
94	MP2A	X	17.965	5.79
95	MP2A	Z	-10.372	5.79
96	MP2A	Mx	-.02	5.79
97	MP2B	X	17.965	1.79
98	MP2B	Z	-10.372	1.79
99	MP2B	Mx	.007	1.79
100	MP2B	X	17.965	5.79
101	MP2B	Z	-10.372	5.79
102	MP2B	Mx	.007	5.79
103	MP2C	X	23.603	1.79
104	MP2C	Z	-13.627	1.79
105	MP2C	Mx	.018	1.79
106	MP2C	X	23.603	5.79
107	MP2C	Z	-13.627	5.79
108	MP2C	Mx	.018	5.79
109	MP2A	X	17.965	1.79
110	MP2A	Z	-10.372	1.79
111	MP2A	Mx	-.007	1.79
112	MP2A	X	17.965	5.79
113	MP2A	Z	-10.372	5.79
114	MP2A	Mx	-.007	5.79
115	MP2B	X	17.965	1.79
116	MP2B	Z	-10.372	1.79
117	MP2B	Mx	.02	1.79
118	MP2B	X	17.965	5.79
119	MP2B	Z	-10.372	5.79
120	MP2B	Mx	.02	5.79
121	MP2C	X	23.603	1.79
122	MP2C	Z	-13.627	1.79
123	MP2C	Mx	-.018	1.79
124	MP2C	X	23.603	5.79
125	MP2C	Z	-13.627	5.79
126	MP2C	Mx	-.018	5.79
127	MP5A	X	13.324	1.58
128	MP5A	Z	-7.692	1.58
129	MP5A	Mx	-.01	1.58
130	MP5A	X	13.324	5.58
131	MP5A	Z	-7.692	5.58
132	MP5A	Mx	-.01	5.58
133	MP5B	X	13.324	1.58
134	MP5B	Z	-7.692	1.58
135	MP5B	Mx	.01	1.58
136	MP5B	X	13.324	5.58
137	MP5B	Z	-7.692	5.58



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
138	MP5B	Mx	.01	5.58
139	MP5C	X	15.548	1.58
140	MP5C	Z	-8.977	1.58
141	MP5C	Mx	0	1.58
142	MP5C	X	15.548	5.58
143	MP5C	Z	-8.977	5.58
144	MP5C	Mx	0	5.58

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP5B	X	9.753	1
2	MP5B	Z	0	1
3	MP5B	Mx	0	1
4	MP5C	X	9.753	1
5	MP5C	Z	0	1
6	MP5C	Mx	0	1
7	MP2A	X	6.691	7
8	MP2A	Z	0	7
9	MP2A	Mx	.007	7
10	MP2B	X	3.554	7
11	MP2B	Z	0	7
12	MP2B	Mx	-.000751	7
13	MP2C	X	3.554	7
14	MP2C	Z	0	7
15	MP2C	Mx	-.003	7
16	MP2A	X	6.691	7
17	MP2A	Z	0	7
18	MP2A	Mx	.007	7
19	MP2B	X	3.554	7
20	MP2B	Z	0	7
21	MP2B	Mx	-.003	7
22	MP2C	X	3.554	7
23	MP2C	Z	0	7
24	MP2C	Mx	-.000751	7
25	MP1A	X	.914	2.58
26	MP1A	Z	0	2.58
27	MP1A	Mx	-.000686	2.58
28	MP1A	X	.914	4.58
29	MP1A	Z	0	4.58
30	MP1A	Mx	-.000686	4.58
31	MP1B	X	2.581	2.58
32	MP1B	Z	0	2.58
33	MP1B	Mx	.000968	2.58
34	MP1B	X	2.581	4.58
35	MP1B	Z	0	4.58
36	MP1B	Mx	.000968	4.58
37	MP1C	X	2.581	2.58
38	MP1C	Z	0	2.58
39	MP1C	Mx	.000968	2.58
40	MP1C	X	2.581	4.58
41	MP1C	Z	0	4.58
42	MP1C	Mx	.000968	4.58
43	MP4A	X	6.157	2.58
44	MP4A	Z	0	2.58
45	MP4A	Mx	-.005	2.58
46	MP4A	X	6.157	4.58



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
47	MP4A	Z	0	4.58
48	MP4A	Mx	-.005	4.58
49	MP4B	X	12.404	2.58
50	MP4B	Z	0	2.58
51	MP4B	Mx	.005	2.58
52	MP4B	X	12.404	4.58
53	MP4B	Z	0	4.58
54	MP4B	Mx	.005	4.58
55	MP4C	X	12.404	2.58
56	MP4C	Z	0	2.58
57	MP4C	Mx	.005	2.58
58	MP4C	X	12.404	4.58
59	MP4C	Z	0	4.58
60	MP4C	Mx	.005	4.58
61	MP2A	X	2.391	2.5
62	MP2A	Z	0	2.5
63	MP2A	Mx	.001	2.5
64	MP2B	X	2.391	2.5
65	MP2B	Z	0	2.5
66	MP2B	Mx	.001	2.5
67	MP2C	X	2.391	2.5
68	MP2C	Z	0	2.5
69	MP2C	Mx	.001	2.5
70	OVP	X	20.977	1
71	OVP	Z	0	1
72	OVP	Mx	0	1
73	MP3A	X	9.402	4
74	MP3A	Z	0	4
75	MP3A	Mx	.004	4
76	MP3B	X	9.402	4
77	MP3B	Z	0	4
78	MP3B	Mx	.004	4
79	MP3C	X	9.402	4
80	MP3C	Z	0	4
81	MP3C	Mx	.004	4
82	MP2A	X	8.342	4
83	MP2A	Z	0	4
84	MP2A	Mx	.004	4
85	MP2B	X	8.342	4
86	MP2B	Z	0	4
87	MP2B	Mx	.004	4
88	MP2C	X	8.342	4
89	MP2C	Z	0	4
90	MP2C	Mx	.004	4
91	MP2A	X	18.574	1.79
92	MP2A	Z	0	1.79
93	MP2A	Mx	-.014	1.79
94	MP2A	X	18.574	5.79
95	MP2A	Z	0	5.79
96	MP2A	Mx	-.014	5.79
97	MP2B	X	25.084	1.79
98	MP2B	Z	0	1.79
99	MP2B	Mx	-.005	1.79
100	MP2B	X	25.084	5.79
101	MP2B	Z	0	5.79
102	MP2B	Mx	-.005	5.79
103	MP2C	X	25.084	1.79



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
104	MP2C	Z	0	1.79
105	MP2C	Mx	.024	1.79
106	MP2C	X	25.084	5.79
107	MP2C	Z	0	5.79
108	MP2C	Mx	.024	5.79
109	MP2A	X	18.574	1.79
110	MP2A	Z	0	1.79
111	MP2A	Mx	-.014	1.79
112	MP2A	X	18.574	5.79
113	MP2A	Z	0	5.79
114	MP2A	Mx	-.014	5.79
115	MP2B	X	25.084	1.79
116	MP2B	Z	0	1.79
117	MP2B	Mx	.024	1.79
118	MP2B	X	25.084	5.79
119	MP2B	Z	0	5.79
120	MP2B	Mx	.024	5.79
121	MP2C	X	25.084	1.79
122	MP2C	Z	0	1.79
123	MP2C	Mx	-.005	1.79
124	MP2C	X	25.084	5.79
125	MP2C	Z	0	5.79
126	MP2C	Mx	-.005	5.79
127	MP5A	X	14.528	1.58
128	MP5A	Z	0	1.58
129	MP5A	Mx	-.011	1.58
130	MP5A	X	14.528	5.58
131	MP5A	Z	0	5.58
132	MP5A	Mx	-.011	5.58
133	MP5B	X	17.097	1.58
134	MP5B	Z	0	1.58
135	MP5B	Mx	.006	1.58
136	MP5B	X	17.097	5.58
137	MP5B	Z	0	5.58
138	MP5B	Mx	.006	5.58
139	MP5C	X	17.097	1.58
140	MP5C	Z	0	1.58
141	MP5C	Mx	.006	1.58
142	MP5C	X	17.097	5.58
143	MP5C	Z	0	5.58
144	MP5C	Mx	.006	5.58

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP5B	X	8.447	1
2	MP5B	Z	4.877	1
3	MP5B	Mx	0	1
4	MP5C	X	8.447	1
5	MP5C	Z	4.877	1
6	MP5C	Mx	0	1
7	MP2A	X	4.889	7
8	MP2A	Z	2.823	7
9	MP2A	Mx	.004	7
10	MP2B	X	2.172	7
11	MP2B	Z	1.254	7
12	MP2B	Mx	.000836	7



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
13	MP2C	X	4.889	7
14	MP2C	Z	2.823	7
15	MP2C	Mx	-.006	7
16	MP2A	X	4.889	7
17	MP2A	Z	2.823	7
18	MP2A	Mx	.006	7
19	MP2B	X	2.172	7
20	MP2B	Z	1.254	7
21	MP2B	Mx	-.000836	7
22	MP2C	X	4.889	7
23	MP2C	Z	2.823	7
24	MP2C	Mx	-.004	7
25	MP1A	X	1.273	2.58
26	MP1A	Z	.735	2.58
27	MP1A	Mx	-.000955	2.58
28	MP1A	X	1.273	4.58
29	MP1A	Z	.735	4.58
30	MP1A	Mx	-.000955	4.58
31	MP1B	X	2.716	2.58
32	MP1B	Z	1.568	2.58
33	MP1B	Mx	0	2.58
34	MP1B	X	2.716	4.58
35	MP1B	Z	1.568	4.58
36	MP1B	Mx	0	4.58
37	MP1C	X	1.273	2.58
38	MP1C	Z	.735	2.58
39	MP1C	Mx	.000955	2.58
40	MP1C	X	1.273	4.58
41	MP1C	Z	.735	4.58
42	MP1C	Mx	.000955	4.58
43	MP4A	X	7.136	2.58
44	MP4A	Z	4.12	2.58
45	MP4A	Mx	-.005	2.58
46	MP4A	X	7.136	4.58
47	MP4A	Z	4.12	4.58
48	MP4A	Mx	-.005	4.58
49	MP4B	X	12.545	2.58
50	MP4B	Z	7.243	2.58
51	MP4B	Mx	0	2.58
52	MP4B	X	12.545	4.58
53	MP4B	Z	7.243	4.58
54	MP4B	Mx	0	4.58
55	MP4C	X	7.136	2.58
56	MP4C	Z	4.12	2.58
57	MP4C	Mx	.005	2.58
58	MP4C	X	7.136	4.58
59	MP4C	Z	4.12	4.58
60	MP4C	Mx	.005	4.58
61	MP2A	X	2.391	2.5
62	MP2A	Z	1.38	2.5
63	MP2A	Mx	.00069	2.5
64	MP2B	X	2.391	2.5
65	MP2B	Z	1.38	2.5
66	MP2B	Mx	.00069	2.5
67	MP2C	X	2.391	2.5
68	MP2C	Z	1.38	2.5
69	MP2C	Mx	.00069	2.5

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

Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]	
70	OVP	X	20.539	1
71	OVP	Z	11.858	1
72	OVP	Mx	0	1
73	MP3A	X	9.753	4
74	MP3A	Z	5.631	4
75	MP3A	Mx	.003	4
76	MP3B	X	9.753	4
77	MP3B	Z	5.631	4
78	MP3B	Mx	.003	4
79	MP3C	X	9.753	4
80	MP3C	Z	5.631	4
81	MP3C	Mx	.003	4
82	MP2A	X	9.447	4
83	MP2A	Z	5.454	4
84	MP2A	Mx	.003	4
85	MP2B	X	9.447	4
86	MP2B	Z	5.454	4
87	MP2B	Mx	.003	4
88	MP2C	X	9.447	4
89	MP2C	Z	5.454	4
90	MP2C	Mx	.003	4
91	MP2A	X	17.965	1.79
92	MP2A	Z	10.372	1.79
93	MP2A	Mx	-.007	1.79
94	MP2A	X	17.965	5.79
95	MP2A	Z	10.372	5.79
96	MP2A	Mx	-.007	5.79
97	MP2B	X	23.603	1.79
98	MP2B	Z	13.627	1.79
99	MP2B	Mx	-.018	1.79
100	MP2B	X	23.603	5.79
101	MP2B	Z	13.627	5.79
102	MP2B	Mx	-.018	5.79
103	MP2C	X	17.965	1.79
104	MP2C	Z	10.372	1.79
105	MP2C	Mx	.02	1.79
106	MP2C	X	17.965	5.79
107	MP2C	Z	10.372	5.79
108	MP2C	Mx	.02	5.79
109	MP2A	X	17.965	1.79
110	MP2A	Z	10.372	1.79
111	MP2A	Mx	-.02	1.79
112	MP2A	X	17.965	5.79
113	MP2A	Z	10.372	5.79
114	MP2A	Mx	-.02	5.79
115	MP2B	X	23.603	1.79
116	MP2B	Z	13.627	1.79
117	MP2B	Mx	.018	1.79
118	MP2B	X	23.603	5.79
119	MP2B	Z	13.627	5.79
120	MP2B	Mx	.018	5.79
121	MP2C	X	17.965	1.79
122	MP2C	Z	10.372	1.79
123	MP2C	Mx	.007	1.79
124	MP2C	X	17.965	5.79
125	MP2C	Z	10.372	5.79
126	MP2C	Mx	.007	5.79



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
127	MP5A	X	13.324	1.58
128	MP5A	Z	7.692	1.58
129	MP5A	Mx	-.01	1.58
130	MP5A	X	13.324	5.58
131	MP5A	Z	7.692	5.58
132	MP5A	Mx	-.01	5.58
133	MP5B	X	15.548	1.58
134	MP5B	Z	8.977	1.58
135	MP5B	Mx	0	1.58
136	MP5B	X	15.548	5.58
137	MP5B	Z	8.977	5.58
138	MP5B	Mx	0	5.58
139	MP5C	X	13.324	1.58
140	MP5C	Z	7.692	1.58
141	MP5C	Mx	.01	1.58
142	MP5C	X	13.324	5.58
143	MP5C	Z	7.692	5.58
144	MP5C	Mx	.01	5.58

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP5B	X	4.877	1
2	MP5B	Z	8.447	1
3	MP5B	Mx	0	1
4	MP5C	X	4.877	1
5	MP5C	Z	8.447	1
6	MP5C	Mx	0	1
7	MP2A	X	1.777	7
8	MP2A	Z	3.078	7
9	MP2A	Mx	.000751	7
10	MP2B	X	1.777	7
11	MP2B	Z	3.078	7
12	MP2B	Mx	.003	7
13	MP2C	X	3.346	7
14	MP2C	Z	5.795	7
15	MP2C	Mx	-.007	7
16	MP2A	X	1.777	7
17	MP2A	Z	3.078	7
18	MP2A	Mx	.003	7
19	MP2B	X	1.777	7
20	MP2B	Z	3.078	7
21	MP2B	Mx	.000751	7
22	MP2C	X	3.346	7
23	MP2C	Z	5.795	7
24	MP2C	Mx	-.007	7
25	MP1A	X	1.29	2.58
26	MP1A	Z	2.235	2.58
27	MP1A	Mx	-.000967	2.58
28	MP1A	X	1.29	4.58
29	MP1A	Z	2.235	4.58
30	MP1A	Mx	-.000967	4.58
31	MP1B	X	1.29	2.58
32	MP1B	Z	2.235	2.58
33	MP1B	Mx	-.000968	2.58
34	MP1B	X	1.29	4.58
35	MP1B	Z	2.235	4.58

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP1B	Mx	-.000968	4.58
37	MP1C	X	.457	2.58
38	MP1C	Z	.792	2.58
39	MP1C	Mx	.000686	2.58
40	MP1C	X	.457	4.58
41	MP1C	Z	.792	4.58
42	MP1C	Mx	.000686	4.58
43	MP4A	X	6.202	2.58
44	MP4A	Z	10.742	2.58
45	MP4A	Mx	-.005	2.58
46	MP4A	X	6.202	4.58
47	MP4A	Z	10.742	4.58
48	MP4A	Mx	-.005	4.58
49	MP4B	X	6.202	2.58
50	MP4B	Z	10.742	2.58
51	MP4B	Mx	-.005	2.58
52	MP4B	X	6.202	4.58
53	MP4B	Z	10.742	4.58
54	MP4B	Mx	-.005	4.58
55	MP4C	X	3.079	2.58
56	MP4C	Z	5.332	2.58
57	MP4C	Mx	.005	2.58
58	MP4C	X	3.079	4.58
59	MP4C	Z	5.332	4.58
60	MP4C	Mx	.005	4.58
61	MP2A	X	1.473	2.5
62	MP2A	Z	2.55	2.5
63	MP2A	Mx	0	2.5
64	MP2B	X	1.473	2.5
65	MP2B	Z	2.55	2.5
66	MP2B	Mx	0	2.5
67	MP2C	X	1.473	2.5
68	MP2C	Z	2.55	2.5
69	MP2C	Mx	0	2.5
70	OVP	X	12.543	1
71	OVP	Z	21.726	1
72	OVP	Mx	0	1
73	MP3A	X	6.096	4
74	MP3A	Z	10.559	4
75	MP3A	Mx	0	4
76	MP3B	X	6.096	4
77	MP3B	Z	10.559	4
78	MP3B	Mx	0	4
79	MP3C	X	6.096	4
80	MP3C	Z	10.559	4
81	MP3C	Mx	0	4
82	MP2A	X	6.096	4
83	MP2A	Z	10.559	4
84	MP2A	Mx	0	4
85	MP2B	X	6.096	4
86	MP2B	Z	10.559	4
87	MP2B	Mx	0	4
88	MP2C	X	6.096	4
89	MP2C	Z	10.559	4
90	MP2C	Mx	0	4
91	MP2A	X	12.542	1.79
92	MP2A	Z	21.723	1.79

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
93	MP2A	Mx	.005	1.79
94	MP2A	X	12.542	5.79
95	MP2A	Z	21.723	5.79
96	MP2A	Mx	.005	5.79
97	MP2B	X	12.542	1.79
98	MP2B	Z	21.723	1.79
99	MP2B	Mx	-.024	1.79
100	MP2B	X	12.542	5.79
101	MP2B	Z	21.723	5.79
102	MP2B	Mx	-.024	5.79
103	MP2C	X	9.287	1.79
104	MP2C	Z	16.086	1.79
105	MP2C	Mx	.014	1.79
106	MP2C	X	9.287	5.79
107	MP2C	Z	16.086	5.79
108	MP2C	Mx	.014	5.79
109	MP2A	X	12.542	1.79
110	MP2A	Z	21.723	1.79
111	MP2A	Mx	-.024	1.79
112	MP2A	X	12.542	5.79
113	MP2A	Z	21.723	5.79
114	MP2A	Mx	-.024	5.79
115	MP2B	X	12.542	1.79
116	MP2B	Z	21.723	1.79
117	MP2B	Mx	.005	1.79
118	MP2B	X	12.542	5.79
119	MP2B	Z	21.723	5.79
120	MP2B	Mx	.005	5.79
121	MP2C	X	9.287	1.79
122	MP2C	Z	16.086	1.79
123	MP2C	Mx	.014	1.79
124	MP2C	X	9.287	5.79
125	MP2C	Z	16.086	5.79
126	MP2C	Mx	.014	5.79
127	MP5A	X	8.549	1.58
128	MP5A	Z	14.807	1.58
129	MP5A	Mx	-.006	1.58
130	MP5A	X	8.549	5.58
131	MP5A	Z	14.807	5.58
132	MP5A	Mx	-.006	5.58
133	MP5B	X	8.549	1.58
134	MP5B	Z	14.807	1.58
135	MP5B	Mx	-.006	1.58
136	MP5B	X	8.549	5.58
137	MP5B	Z	14.807	5.58
138	MP5B	Mx	-.006	5.58
139	MP5C	X	7.264	1.58
140	MP5C	Z	12.582	1.58
141	MP5C	Mx	.011	1.58
142	MP5C	X	7.264	5.58
143	MP5C	Z	12.582	5.58
144	MP5C	Mx	.011	5.58

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP5B	X	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP5B	Z	9.753	1
3	MP5B	Mx	0	1
4	MP5C	X	0	1
5	MP5C	Z	9.753	1
6	MP5C	Mx	0	1
7	MP2A	X	0	7
8	MP2A	Z	2.508	7
9	MP2A	Mx	-.000836	7
10	MP2B	X	0	7
11	MP2B	Z	5.645	7
12	MP2B	Mx	.006	7
13	MP2C	X	0	7
14	MP2C	Z	5.645	7
15	MP2C	Mx	-.004	7
16	MP2A	X	0	7
17	MP2A	Z	2.508	7
18	MP2A	Mx	.000836	7
19	MP2B	X	0	7
20	MP2B	Z	5.645	7
21	MP2B	Mx	.004	7
22	MP2C	X	0	7
23	MP2C	Z	5.645	7
24	MP2C	Mx	-.006	7
25	MP1A	X	0	2.58
26	MP1A	Z	3.136	2.58
27	MP1A	Mx	0	2.58
28	MP1A	X	0	4.58
29	MP1A	Z	3.136	4.58
30	MP1A	Mx	0	4.58
31	MP1B	X	0	2.58
32	MP1B	Z	1.47	2.58
33	MP1B	Mx	-.000955	2.58
34	MP1B	X	0	4.58
35	MP1B	Z	1.47	4.58
36	MP1B	Mx	-.000955	4.58
37	MP1C	X	0	2.58
38	MP1C	Z	1.47	2.58
39	MP1C	Mx	.000955	2.58
40	MP1C	X	0	4.58
41	MP1C	Z	1.47	4.58
42	MP1C	Mx	.000955	4.58
43	MP4A	X	0	2.58
44	MP4A	Z	14.486	2.58
45	MP4A	Mx	0	2.58
46	MP4A	X	0	4.58
47	MP4A	Z	14.486	4.58
48	MP4A	Mx	0	4.58
49	MP4B	X	0	2.58
50	MP4B	Z	8.239	2.58
51	MP4B	Mx	-.005	2.58
52	MP4B	X	0	4.58
53	MP4B	Z	8.239	4.58
54	MP4B	Mx	-.005	4.58
55	MP4C	X	0	2.58
56	MP4C	Z	8.239	2.58
57	MP4C	Mx	.005	2.58
58	MP4C	X	0	4.58



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
59	MP4C	Z	8.239	4.58
60	MP4C	Mx	.005	4.58
61	MP2A	X	0	2.5
62	MP2A	Z	2.76	2.5
63	MP2A	Mx	-.00069	2.5
64	MP2B	X	0	2.5
65	MP2B	Z	2.76	2.5
66	MP2B	Mx	-.00069	2.5
67	MP2C	X	0	2.5
68	MP2C	Z	2.76	2.5
69	MP2C	Mx	-.00069	2.5
70	OVP	X	0	1
71	OVP	Z	23.717	1
72	OVP	Mx	0	1
73	MP3A	X	0	4
74	MP3A	Z	11.262	4
75	MP3A	Mx	-.003	4
76	MP3B	X	0	4
77	MP3B	Z	11.262	4
78	MP3B	Mx	-.003	4
79	MP3C	X	0	4
80	MP3C	Z	11.262	4
81	MP3C	Mx	-.003	4
82	MP2A	X	0	4
83	MP2A	Z	10.909	4
84	MP2A	Mx	-.003	4
85	MP2B	X	0	4
86	MP2B	Z	10.909	4
87	MP2B	Mx	-.003	4
88	MP2C	X	0	4
89	MP2C	Z	10.909	4
90	MP2C	Mx	-.003	4
91	MP2A	X	0	1.79
92	MP2A	Z	27.254	1.79
93	MP2A	Mx	.018	1.79
94	MP2A	X	0	5.79
95	MP2A	Z	27.254	5.79
96	MP2A	Mx	.018	5.79
97	MP2B	X	0	1.79
98	MP2B	Z	20.744	1.79
99	MP2B	Mx	-.02	1.79
100	MP2B	X	0	5.79
101	MP2B	Z	20.744	5.79
102	MP2B	Mx	-.02	5.79
103	MP2C	X	0	1.79
104	MP2C	Z	20.744	1.79
105	MP2C	Mx	.007	1.79
106	MP2C	X	0	5.79
107	MP2C	Z	20.744	5.79
108	MP2C	Mx	.007	5.79
109	MP2A	X	0	1.79
110	MP2A	Z	27.254	1.79
111	MP2A	Mx	-.018	1.79
112	MP2A	X	0	5.79
113	MP2A	Z	27.254	5.79
114	MP2A	Mx	-.018	5.79
115	MP2B	X	0	1.79

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
116	MP2B	Z	20.744	1.79
117	MP2B	Mx	-.007	1.79
118	MP2B	X	0	5.79
119	MP2B	Z	20.744	5.79
120	MP2B	Mx	-.007	5.79
121	MP2C	X	0	1.79
122	MP2C	Z	20.744	1.79
123	MP2C	Mx	.02	1.79
124	MP2C	X	0	5.79
125	MP2C	Z	20.744	5.79
126	MP2C	Mx	.02	5.79
127	MP5A	X	0	1.58
128	MP5A	Z	17.954	1.58
129	MP5A	Mx	0	1.58
130	MP5A	X	0	5.58
131	MP5A	Z	17.954	5.58
132	MP5A	Mx	0	5.58
133	MP5B	X	0	1.58
134	MP5B	Z	15.385	1.58
135	MP5B	Mx	-.01	1.58
136	MP5B	X	0	5.58
137	MP5B	Z	15.385	5.58
138	MP5B	Mx	-.01	5.58
139	MP5C	X	0	1.58
140	MP5C	Z	15.385	1.58
141	MP5C	Mx	.01	1.58
142	MP5C	X	0	5.58
143	MP5C	Z	15.385	5.58
144	MP5C	Mx	.01	5.58

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP5B	X	-4.877	1
2	MP5B	Z	8.447	1
3	MP5B	Mx	0	1
4	MP5C	X	-4.877	1
5	MP5C	Z	8.447	1
6	MP5C	Mx	0	1
7	MP2A	X	-1.777	7
8	MP2A	Z	3.078	7
9	MP2A	Mx	-.003	7
10	MP2B	X	-3.346	7
11	MP2B	Z	5.795	7
12	MP2B	Mx	.007	7
13	MP2C	X	-1.777	7
14	MP2C	Z	3.078	7
15	MP2C	Mx	-.000751	7
16	MP2A	X	-1.777	7
17	MP2A	Z	3.078	7
18	MP2A	Mx	-.000751	7
19	MP2B	X	-3.346	7
20	MP2B	Z	5.795	7
21	MP2B	Mx	.007	7
22	MP2C	X	-1.777	7
23	MP2C	Z	3.078	7
24	MP2C	Mx	-.003	7



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
25	MP1A	X	-1.29	2.58
26	MP1A	Z	2.235	2.58
27	MP1A	Mx	.000967	2.58
28	MP1A	X	-1.29	4.58
29	MP1A	Z	2.235	4.58
30	MP1A	Mx	.000967	4.58
31	MP1B	X	-.457	2.58
32	MP1B	Z	.792	2.58
33	MP1B	Mx	-.000686	2.58
34	MP1B	X	-.457	4.58
35	MP1B	Z	.792	4.58
36	MP1B	Mx	-.000686	4.58
37	MP1C	X	-1.29	2.58
38	MP1C	Z	2.235	2.58
39	MP1C	Mx	.000968	2.58
40	MP1C	X	-1.29	4.58
41	MP1C	Z	2.235	4.58
42	MP1C	Mx	.000968	4.58
43	MP4A	X	-6.202	2.58
44	MP4A	Z	10.742	2.58
45	MP4A	Mx	.005	2.58
46	MP4A	X	-6.202	4.58
47	MP4A	Z	10.742	4.58
48	MP4A	Mx	.005	4.58
49	MP4B	X	-3.079	2.58
50	MP4B	Z	5.332	2.58
51	MP4B	Mx	-.005	2.58
52	MP4B	X	-3.079	4.58
53	MP4B	Z	5.332	4.58
54	MP4B	Mx	-.005	4.58
55	MP4C	X	-6.202	2.58
56	MP4C	Z	10.742	2.58
57	MP4C	Mx	.005	2.58
58	MP4C	X	-6.202	4.58
59	MP4C	Z	10.742	4.58
60	MP4C	Mx	.005	4.58
61	MP2A	X	-1.196	2.5
62	MP2A	Z	2.071	2.5
63	MP2A	Mx	-.001	2.5
64	MP2B	X	-1.196	2.5
65	MP2B	Z	2.071	2.5
66	MP2B	Mx	-.001	2.5
67	MP2C	X	-1.196	2.5
68	MP2C	Z	2.071	2.5
69	MP2C	Mx	-.001	2.5
70	OVP	X	-10.488	1
71	OVP	Z	18.166	1
72	OVP	Mx	0	1
73	MP3A	X	-4.701	4
74	MP3A	Z	8.143	4
75	MP3A	Mx	-.004	4
76	MP3B	X	-4.701	4
77	MP3B	Z	8.143	4
78	MP3B	Mx	-.004	4
79	MP3C	X	-4.701	4
80	MP3C	Z	8.143	4
81	MP3C	Mx	-.004	4



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP2A	X	-4.171	4
83	MP2A	Z	7.224	4
84	MP2A	Mx	-.004	4
85	MP2B	X	-4.171	4
86	MP2B	Z	7.224	4
87	MP2B	Mx	-.004	4
88	MP2C	X	-4.171	4
89	MP2C	Z	7.224	4
90	MP2C	Mx	-.004	4
91	MP2A	X	-12.542	1.79
92	MP2A	Z	21.723	1.79
93	MP2A	Mx	.024	1.79
94	MP2A	X	-12.542	5.79
95	MP2A	Z	21.723	5.79
96	MP2A	Mx	.024	5.79
97	MP2B	X	-9.287	1.79
98	MP2B	Z	16.086	1.79
99	MP2B	Mx	-.014	1.79
100	MP2B	X	-9.287	5.79
101	MP2B	Z	16.086	5.79
102	MP2B	Mx	-.014	5.79
103	MP2C	X	-12.542	1.79
104	MP2C	Z	21.723	1.79
105	MP2C	Mx	-.005	1.79
106	MP2C	X	-12.542	5.79
107	MP2C	Z	21.723	5.79
108	MP2C	Mx	-.005	5.79
109	MP2A	X	-12.542	1.79
110	MP2A	Z	21.723	1.79
111	MP2A	Mx	-.005	1.79
112	MP2A	X	-12.542	5.79
113	MP2A	Z	21.723	5.79
114	MP2A	Mx	-.005	5.79
115	MP2B	X	-9.287	1.79
116	MP2B	Z	16.086	1.79
117	MP2B	Mx	-.014	1.79
118	MP2B	X	-9.287	5.79
119	MP2B	Z	16.086	5.79
120	MP2B	Mx	-.014	5.79
121	MP2C	X	-12.542	1.79
122	MP2C	Z	21.723	1.79
123	MP2C	Mx	.024	1.79
124	MP2C	X	-12.542	5.79
125	MP2C	Z	21.723	5.79
126	MP2C	Mx	.024	5.79
127	MP5A	X	-8.549	1.58
128	MP5A	Z	14.807	1.58
129	MP5A	Mx	.006	1.58
130	MP5A	X	-8.549	5.58
131	MP5A	Z	14.807	5.58
132	MP5A	Mx	.006	5.58
133	MP5B	X	-7.264	1.58
134	MP5B	Z	12.582	1.58
135	MP5B	Mx	-.011	1.58
136	MP5B	X	-7.264	5.58
137	MP5B	Z	12.582	5.58
138	MP5B	Mx	-.011	5.58



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
139	MP5C	X	-8.549	1.58
140	MP5C	Z	14.807	1.58
141	MP5C	Mx	.006	1.58
142	MP5C	X	-8.549	5.58
143	MP5C	Z	14.807	5.58
144	MP5C	Mx	.006	5.58

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP5B	X	-8.447	1
2	MP5B	Z	4.877	1
3	MP5B	Mx	0	1
4	MP5C	X	-8.447	1
5	MP5C	Z	4.877	1
6	MP5C	Mx	0	1
7	MP2A	X	-4.889	7
8	MP2A	Z	2.823	7
9	MP2A	Mx	-.006	7
10	MP2B	X	-4.889	7
11	MP2B	Z	2.823	7
12	MP2B	Mx	.004	7
13	MP2C	X	-2.172	7
14	MP2C	Z	1.254	7
15	MP2C	Mx	.000836	7
16	MP2A	X	-4.889	7
17	MP2A	Z	2.823	7
18	MP2A	Mx	-.004	7
19	MP2B	X	-4.889	7
20	MP2B	Z	2.823	7
21	MP2B	Mx	.006	7
22	MP2C	X	-2.172	7
23	MP2C	Z	1.254	7
24	MP2C	Mx	-.000836	7
25	MP1A	X	-1.273	2.58
26	MP1A	Z	.735	2.58
27	MP1A	Mx	.000955	2.58
28	MP1A	X	-1.273	4.58
29	MP1A	Z	.735	4.58
30	MP1A	Mx	.000955	4.58
31	MP1B	X	-1.273	2.58
32	MP1B	Z	.735	2.58
33	MP1B	Mx	-.000955	2.58
34	MP1B	X	-1.273	4.58
35	MP1B	Z	.735	4.58
36	MP1B	Mx	-.000955	4.58
37	MP1C	X	-2.716	2.58
38	MP1C	Z	1.568	2.58
39	MP1C	Mx	0	2.58
40	MP1C	X	-2.716	4.58
41	MP1C	Z	1.568	4.58
42	MP1C	Mx	0	4.58
43	MP4A	X	-7.136	2.58
44	MP4A	Z	4.12	2.58
45	MP4A	Mx	.005	2.58
46	MP4A	X	-7.136	4.58
47	MP4A	Z	4.12	4.58



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP4A	Mx	.005	4.58
49	MP4B	X	-7.136	2.58
50	MP4B	Z	4.12	2.58
51	MP4B	Mx	-.005	2.58
52	MP4B	X	-7.136	4.58
53	MP4B	Z	4.12	4.58
54	MP4B	Mx	-.005	4.58
55	MP4C	X	-12.545	2.58
56	MP4C	Z	7.243	2.58
57	MP4C	Mx	0	2.58
58	MP4C	X	-12.545	4.58
59	MP4C	Z	7.243	4.58
60	MP4C	Mx	0	4.58
61	MP2A	X	-1.911	2.5
62	MP2A	Z	1.103	2.5
63	MP2A	Mx	-.001	2.5
64	MP2B	X	-1.911	2.5
65	MP2B	Z	1.103	2.5
66	MP2B	Mx	-.001	2.5
67	MP2C	X	-1.911	2.5
68	MP2C	Z	1.103	2.5
69	MP2C	Mx	-.001	2.5
70	OVP	X	-16.98	1
71	OVP	Z	9.803	1
72	OVP	Mx	0	1
73	MP3A	X	-7.337	4
74	MP3A	Z	4.236	4
75	MP3A	Mx	-.004	4
76	MP3B	X	-7.337	4
77	MP3B	Z	4.236	4
78	MP3B	Mx	-.004	4
79	MP3C	X	-7.337	4
80	MP3C	Z	4.236	4
81	MP3C	Mx	-.004	4
82	MP2A	X	-6.113	4
83	MP2A	Z	3.529	4
84	MP2A	Mx	-.004	4
85	MP2B	X	-6.113	4
86	MP2B	Z	3.529	4
87	MP2B	Mx	-.004	4
88	MP2C	X	-6.113	4
89	MP2C	Z	3.529	4
90	MP2C	Mx	-.004	4
91	MP2A	X	-17.965	1.79
92	MP2A	Z	10.372	1.79
93	MP2A	Mx	.02	1.79
94	MP2A	X	-17.965	5.79
95	MP2A	Z	10.372	5.79
96	MP2A	Mx	.02	5.79
97	MP2B	X	-17.965	1.79
98	MP2B	Z	10.372	1.79
99	MP2B	Mx	-.007	1.79
100	MP2B	X	-17.965	5.79
101	MP2B	Z	10.372	5.79
102	MP2B	Mx	-.007	5.79
103	MP2C	X	-23.603	1.79
104	MP2C	Z	13.627	1.79



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
105	MP2C	Mx	-.018	1.79
106	MP2C	X	-23.603	5.79
107	MP2C	Z	13.627	5.79
108	MP2C	Mx	-.018	5.79
109	MP2A	X	-17.965	1.79
110	MP2A	Z	10.372	1.79
111	MP2A	Mx	.007	1.79
112	MP2A	X	-17.965	5.79
113	MP2A	Z	10.372	5.79
114	MP2A	Mx	.007	5.79
115	MP2B	X	-17.965	1.79
116	MP2B	Z	10.372	1.79
117	MP2B	Mx	-.02	1.79
118	MP2B	X	-17.965	5.79
119	MP2B	Z	10.372	5.79
120	MP2B	Mx	-.02	5.79
121	MP2C	X	-23.603	1.79
122	MP2C	Z	13.627	1.79
123	MP2C	Mx	.018	1.79
124	MP2C	X	-23.603	5.79
125	MP2C	Z	13.627	5.79
126	MP2C	Mx	.018	5.79
127	MP5A	X	-13.324	1.58
128	MP5A	Z	7.692	1.58
129	MP5A	Mx	.01	1.58
130	MP5A	X	-13.324	5.58
131	MP5A	Z	7.692	5.58
132	MP5A	Mx	.01	5.58
133	MP5B	X	-13.324	1.58
134	MP5B	Z	7.692	1.58
135	MP5B	Mx	-.01	1.58
136	MP5B	X	-13.324	5.58
137	MP5B	Z	7.692	5.58
138	MP5B	Mx	-.01	5.58
139	MP5C	X	-15.548	1.58
140	MP5C	Z	8.977	1.58
141	MP5C	Mx	0	1.58
142	MP5C	X	-15.548	5.58
143	MP5C	Z	8.977	5.58
144	MP5C	Mx	0	5.58

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
1	MP5B	X	-9.753	1
2	MP5B	Z	0	1
3	MP5B	Mx	0	1
4	MP5C	X	-9.753	1
5	MP5C	Z	0	1
6	MP5C	Mx	0	1
7	MP2A	X	-6.691	7
8	MP2A	Z	0	7
9	MP2A	Mx	-.007	7
10	MP2B	X	-3.554	7
11	MP2B	Z	0	7
12	MP2B	Mx	.000751	7
13	MP2C	X	-3.554	7

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
14	MP2C	Z	0	7
15	MP2C	Mx	.003	7
16	MP2A	X	-6.691	7
17	MP2A	Z	0	7
18	MP2A	Mx	-.007	7
19	MP2B	X	-3.554	7
20	MP2B	Z	0	7
21	MP2B	Mx	.003	7
22	MP2C	X	-3.554	7
23	MP2C	Z	0	7
24	MP2C	Mx	.000751	7
25	MP1A	X	-.914	2.58
26	MP1A	Z	0	2.58
27	MP1A	Mx	.000686	2.58
28	MP1A	X	-.914	4.58
29	MP1A	Z	0	4.58
30	MP1A	Mx	.000686	4.58
31	MP1B	X	-2.581	2.58
32	MP1B	Z	0	2.58
33	MP1B	Mx	-.000968	2.58
34	MP1B	X	-2.581	4.58
35	MP1B	Z	0	4.58
36	MP1B	Mx	-.000968	4.58
37	MP1C	X	-2.581	2.58
38	MP1C	Z	0	2.58
39	MP1C	Mx	-.000968	2.58
40	MP1C	X	-2.581	4.58
41	MP1C	Z	0	4.58
42	MP1C	Mx	-.000968	4.58
43	MP4A	X	-6.157	2.58
44	MP4A	Z	0	2.58
45	MP4A	Mx	.005	2.58
46	MP4A	X	-6.157	4.58
47	MP4A	Z	0	4.58
48	MP4A	Mx	.005	4.58
49	MP4B	X	-12.404	2.58
50	MP4B	Z	0	2.58
51	MP4B	Mx	-.005	2.58
52	MP4B	X	-12.404	4.58
53	MP4B	Z	0	4.58
54	MP4B	Mx	-.005	4.58
55	MP4C	X	-12.404	2.58
56	MP4C	Z	0	2.58
57	MP4C	Mx	-.005	2.58
58	MP4C	X	-12.404	4.58
59	MP4C	Z	0	4.58
60	MP4C	Mx	-.005	4.58
61	MP2A	X	-2.391	2.5
62	MP2A	Z	0	2.5
63	MP2A	Mx	-.001	2.5
64	MP2B	X	-2.391	2.5
65	MP2B	Z	0	2.5
66	MP2B	Mx	-.001	2.5
67	MP2C	X	-2.391	2.5
68	MP2C	Z	0	2.5
69	MP2C	Mx	-.001	2.5
70	OVP	X	-20.977	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
71	OVP	Z	0	1
72	OVP	Mx	0	1
73	MP3A	X	-9.402	4
74	MP3A	Z	0	4
75	MP3A	Mx	-.004	4
76	MP3B	X	-9.402	4
77	MP3B	Z	0	4
78	MP3B	Mx	-.004	4
79	MP3C	X	-9.402	4
80	MP3C	Z	0	4
81	MP3C	Mx	-.004	4
82	MP2A	X	-8.342	4
83	MP2A	Z	0	4
84	MP2A	Mx	-.004	4
85	MP2B	X	-8.342	4
86	MP2B	Z	0	4
87	MP2B	Mx	-.004	4
88	MP2C	X	-8.342	4
89	MP2C	Z	0	4
90	MP2C	Mx	-.004	4
91	MP2A	X	-18.574	1.79
92	MP2A	Z	0	1.79
93	MP2A	Mx	.014	1.79
94	MP2A	X	-18.574	5.79
95	MP2A	Z	0	5.79
96	MP2A	Mx	.014	5.79
97	MP2B	X	-25.084	1.79
98	MP2B	Z	0	1.79
99	MP2B	Mx	.005	1.79
100	MP2B	X	-25.084	5.79
101	MP2B	Z	0	5.79
102	MP2B	Mx	.005	5.79
103	MP2C	X	-25.084	1.79
104	MP2C	Z	0	1.79
105	MP2C	Mx	-.024	1.79
106	MP2C	X	-25.084	5.79
107	MP2C	Z	0	5.79
108	MP2C	Mx	-.024	5.79
109	MP2A	X	-18.574	1.79
110	MP2A	Z	0	1.79
111	MP2A	Mx	.014	1.79
112	MP2A	X	-18.574	5.79
113	MP2A	Z	0	5.79
114	MP2A	Mx	.014	5.79
115	MP2B	X	-25.084	1.79
116	MP2B	Z	0	1.79
117	MP2B	Mx	-.024	1.79
118	MP2B	X	-25.084	5.79
119	MP2B	Z	0	5.79
120	MP2B	Mx	-.024	5.79
121	MP2C	X	-25.084	1.79
122	MP2C	Z	0	1.79
123	MP2C	Mx	.005	1.79
124	MP2C	X	-25.084	5.79
125	MP2C	Z	0	5.79
126	MP2C	Mx	.005	5.79
127	MP5A	X	-14.528	1.58

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
128	MP5A	Z	0	1.58
129	MP5A	Mx	.011	1.58
130	MP5A	X	-14.528	5.58
131	MP5A	Z	0	5.58
132	MP5A	Mx	.011	5.58
133	MP5B	X	-17.097	1.58
134	MP5B	Z	0	1.58
135	MP5B	Mx	-.006	1.58
136	MP5B	X	-17.097	5.58
137	MP5B	Z	0	5.58
138	MP5B	Mx	-.006	5.58
139	MP5C	X	-17.097	1.58
140	MP5C	Z	0	1.58
141	MP5C	Mx	-.006	1.58
142	MP5C	X	-17.097	5.58
143	MP5C	Z	0	5.58
144	MP5C	Mx	-.006	5.58

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	X	-8.447	1
2	MP5B	Z	-4.877	1
3	MP5B	Mx	0	1
4	MP5C	X	-8.447	1
5	MP5C	Z	-4.877	1
6	MP5C	Mx	0	1
7	MP2A	X	-4.889	7
8	MP2A	Z	-2.823	7
9	MP2A	Mx	-.004	7
10	MP2B	X	-2.172	7
11	MP2B	Z	-1.254	7
12	MP2B	Mx	-.000836	7
13	MP2C	X	-4.889	7
14	MP2C	Z	-2.823	7
15	MP2C	Mx	.006	7
16	MP2A	X	-4.889	7
17	MP2A	Z	-2.823	7
18	MP2A	Mx	-.006	7
19	MP2B	X	-2.172	7
20	MP2B	Z	-1.254	7
21	MP2B	Mx	.000836	7
22	MP2C	X	-4.889	7
23	MP2C	Z	-2.823	7
24	MP2C	Mx	.004	7
25	MP1A	X	-1.273	2.58
26	MP1A	Z	-.735	2.58
27	MP1A	Mx	.000955	2.58
28	MP1A	X	-1.273	4.58
29	MP1A	Z	-.735	4.58
30	MP1A	Mx	.000955	4.58
31	MP1B	X	-2.716	2.58
32	MP1B	Z	-1.568	2.58
33	MP1B	Mx	0	2.58
34	MP1B	X	-2.716	4.58
35	MP1B	Z	-1.568	4.58
36	MP1B	Mx	0	4.58



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
37	MP1C	X	-1.273	2.58
38	MP1C	Z	-.735	2.58
39	MP1C	Mx	-.000955	2.58
40	MP1C	X	-1.273	4.58
41	MP1C	Z	-.735	4.58
42	MP1C	Mx	-.000955	4.58
43	MP4A	X	-7.136	2.58
44	MP4A	Z	-4.12	2.58
45	MP4A	Mx	.005	2.58
46	MP4A	X	-7.136	4.58
47	MP4A	Z	-4.12	4.58
48	MP4A	Mx	.005	4.58
49	MP4B	X	-12.545	2.58
50	MP4B	Z	-7.243	2.58
51	MP4B	Mx	0	2.58
52	MP4B	X	-12.545	4.58
53	MP4B	Z	-7.243	4.58
54	MP4B	Mx	0	4.58
55	MP4C	X	-7.136	2.58
56	MP4C	Z	-4.12	2.58
57	MP4C	Mx	-.005	2.58
58	MP4C	X	-7.136	4.58
59	MP4C	Z	-4.12	4.58
60	MP4C	Mx	-.005	4.58
61	MP2A	X	-2.391	2.5
62	MP2A	Z	-1.38	2.5
63	MP2A	Mx	-.00069	2.5
64	MP2B	X	-2.391	2.5
65	MP2B	Z	-1.38	2.5
66	MP2B	Mx	-.00069	2.5
67	MP2C	X	-2.391	2.5
68	MP2C	Z	-1.38	2.5
69	MP2C	Mx	-.00069	2.5
70	OVP	X	-20.539	1
71	OVP	Z	-11.858	1
72	OVP	Mx	0	1
73	MP3A	X	-9.753	4
74	MP3A	Z	-5.631	4
75	MP3A	Mx	-.003	4
76	MP3B	X	-9.753	4
77	MP3B	Z	-5.631	4
78	MP3B	Mx	-.003	4
79	MP3C	X	-9.753	4
80	MP3C	Z	-5.631	4
81	MP3C	Mx	-.003	4
82	MP2A	X	-9.447	4
83	MP2A	Z	-5.454	4
84	MP2A	Mx	-.003	4
85	MP2B	X	-9.447	4
86	MP2B	Z	-5.454	4
87	MP2B	Mx	-.003	4
88	MP2C	X	-9.447	4
89	MP2C	Z	-5.454	4
90	MP2C	Mx	-.003	4
91	MP2A	X	-17.965	1.79
92	MP2A	Z	-10.372	1.79
93	MP2A	Mx	.007	1.79



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
94	MP2A	X	-17.965	5.79
95	MP2A	Z	-10.372	5.79
96	MP2A	Mx	.007	5.79
97	MP2B	X	-23.603	1.79
98	MP2B	Z	-13.627	1.79
99	MP2B	Mx	.018	1.79
100	MP2B	X	-23.603	5.79
101	MP2B	Z	-13.627	5.79
102	MP2B	Mx	.018	5.79
103	MP2C	X	-17.965	1.79
104	MP2C	Z	-10.372	1.79
105	MP2C	Mx	-.02	1.79
106	MP2C	X	-17.965	5.79
107	MP2C	Z	-10.372	5.79
108	MP2C	Mx	-.02	5.79
109	MP2A	X	-17.965	1.79
110	MP2A	Z	-10.372	1.79
111	MP2A	Mx	.02	1.79
112	MP2A	X	-17.965	5.79
113	MP2A	Z	-10.372	5.79
114	MP2A	Mx	.02	5.79
115	MP2B	X	-23.603	1.79
116	MP2B	Z	-13.627	1.79
117	MP2B	Mx	-.018	1.79
118	MP2B	X	-23.603	5.79
119	MP2B	Z	-13.627	5.79
120	MP2B	Mx	-.018	5.79
121	MP2C	X	-17.965	1.79
122	MP2C	Z	-10.372	1.79
123	MP2C	Mx	-.007	1.79
124	MP2C	X	-17.965	5.79
125	MP2C	Z	-10.372	5.79
126	MP2C	Mx	-.007	5.79
127	MP5A	X	-13.324	1.58
128	MP5A	Z	-7.692	1.58
129	MP5A	Mx	.01	1.58
130	MP5A	X	-13.324	5.58
131	MP5A	Z	-7.692	5.58
132	MP5A	Mx	.01	5.58
133	MP5B	X	-15.548	1.58
134	MP5B	Z	-8.977	1.58
135	MP5B	Mx	0	1.58
136	MP5B	X	-15.548	5.58
137	MP5B	Z	-8.977	5.58
138	MP5B	Mx	0	5.58
139	MP5C	X	-13.324	1.58
140	MP5C	Z	-7.692	1.58
141	MP5C	Mx	-.01	1.58
142	MP5C	X	-13.324	5.58
143	MP5C	Z	-7.692	5.58
144	MP5C	Mx	-.01	5.58

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP5B	X	-4.877	1
2	MP5B	Z	-8.447	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
3	MP5B	Mx	0	1
4	MP5C	X	-4.877	1
5	MP5C	Z	-8.447	1
6	MP5C	Mx	0	1
7	MP2A	X	-1.777	7
8	MP2A	Z	-3.078	7
9	MP2A	Mx	-.000751	7
10	MP2B	X	-1.777	7
11	MP2B	Z	-3.078	7
12	MP2B	Mx	-.003	7
13	MP2C	X	-3.346	7
14	MP2C	Z	-5.795	7
15	MP2C	Mx	.007	7
16	MP2A	X	-1.777	7
17	MP2A	Z	-3.078	7
18	MP2A	Mx	-.003	7
19	MP2B	X	-1.777	7
20	MP2B	Z	-3.078	7
21	MP2B	Mx	-.000751	7
22	MP2C	X	-3.346	7
23	MP2C	Z	-5.795	7
24	MP2C	Mx	.007	7
25	MP1A	X	-1.29	2.58
26	MP1A	Z	-2.235	2.58
27	MP1A	Mx	.000967	2.58
28	MP1A	X	-1.29	4.58
29	MP1A	Z	-2.235	4.58
30	MP1A	Mx	.000967	4.58
31	MP1B	X	-1.29	2.58
32	MP1B	Z	-2.235	2.58
33	MP1B	Mx	.000968	2.58
34	MP1B	X	-1.29	4.58
35	MP1B	Z	-2.235	4.58
36	MP1B	Mx	.000968	4.58
37	MP1C	X	-.457	2.58
38	MP1C	Z	-.792	2.58
39	MP1C	Mx	-.000686	2.58
40	MP1C	X	-.457	4.58
41	MP1C	Z	-.792	4.58
42	MP1C	Mx	-.000686	4.58
43	MP4A	X	-6.202	2.58
44	MP4A	Z	-10.742	2.58
45	MP4A	Mx	.005	2.58
46	MP4A	X	-6.202	4.58
47	MP4A	Z	-10.742	4.58
48	MP4A	Mx	.005	4.58
49	MP4B	X	-6.202	2.58
50	MP4B	Z	-10.742	2.58
51	MP4B	Mx	.005	2.58
52	MP4B	X	-6.202	4.58
53	MP4B	Z	-10.742	4.58
54	MP4B	Mx	.005	4.58
55	MP4C	X	-3.079	2.58
56	MP4C	Z	-5.332	2.58
57	MP4C	Mx	-.005	2.58
58	MP4C	X	-3.079	4.58
59	MP4C	Z	-5.332	4.58

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

Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]	
60	MP4C	Mx	-0.005	4.58
61	MP2A	X	-1.473	2.5
62	MP2A	Z	-2.55	2.5
63	MP2A	Mx	0	2.5
64	MP2B	X	-1.473	2.5
65	MP2B	Z	-2.55	2.5
66	MP2B	Mx	0	2.5
67	MP2C	X	-1.473	2.5
68	MP2C	Z	-2.55	2.5
69	MP2C	Mx	0	2.5
70	OVP	X	-12.543	1
71	OVP	Z	-21.726	1
72	OVP	Mx	0	1
73	MP3A	X	-6.096	4
74	MP3A	Z	-10.559	4
75	MP3A	Mx	0	4
76	MP3B	X	-6.096	4
77	MP3B	Z	-10.559	4
78	MP3B	Mx	0	4
79	MP3C	X	-6.096	4
80	MP3C	Z	-10.559	4
81	MP3C	Mx	0	4
82	MP2A	X	-6.096	4
83	MP2A	Z	-10.559	4
84	MP2A	Mx	0	4
85	MP2B	X	-6.096	4
86	MP2B	Z	-10.559	4
87	MP2B	Mx	0	4
88	MP2C	X	-6.096	4
89	MP2C	Z	-10.559	4
90	MP2C	Mx	0	4
91	MP2A	X	-12.542	1.79
92	MP2A	Z	-21.723	1.79
93	MP2A	Mx	-.005	1.79
94	MP2A	X	-12.542	5.79
95	MP2A	Z	-21.723	5.79
96	MP2A	Mx	-.005	5.79
97	MP2B	X	-12.542	1.79
98	MP2B	Z	-21.723	1.79
99	MP2B	Mx	.024	1.79
100	MP2B	X	-12.542	5.79
101	MP2B	Z	-21.723	5.79
102	MP2B	Mx	.024	5.79
103	MP2C	X	-9.287	1.79
104	MP2C	Z	-16.086	1.79
105	MP2C	Mx	-.014	1.79
106	MP2C	X	-9.287	5.79
107	MP2C	Z	-16.086	5.79
108	MP2C	Mx	-.014	5.79
109	MP2A	X	-12.542	1.79
110	MP2A	Z	-21.723	1.79
111	MP2A	Mx	.024	1.79
112	MP2A	X	-12.542	5.79
113	MP2A	Z	-21.723	5.79
114	MP2A	Mx	.024	5.79
115	MP2B	X	-12.542	1.79
116	MP2B	Z	-21.723	1.79



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
117	MP2B	Mx	-.005	1.79
118	MP2B	X	-12.542	5.79
119	MP2B	Z	-21.723	5.79
120	MP2B	Mx	-.005	5.79
121	MP2C	X	-9.287	1.79
122	MP2C	Z	-16.086	1.79
123	MP2C	Mx	-.014	1.79
124	MP2C	X	-9.287	5.79
125	MP2C	Z	-16.086	5.79
126	MP2C	Mx	-.014	5.79
127	MP5A	X	-8.549	1.58
128	MP5A	Z	-14.807	1.58
129	MP5A	Mx	.006	1.58
130	MP5A	X	-8.549	5.58
131	MP5A	Z	-14.807	5.58
132	MP5A	Mx	.006	5.58
133	MP5B	X	-8.549	1.58
134	MP5B	Z	-14.807	1.58
135	MP5B	Mx	.006	1.58
136	MP5B	X	-8.549	5.58
137	MP5B	Z	-14.807	5.58
138	MP5B	Mx	.006	5.58
139	MP5C	X	-7.264	1.58
140	MP5C	Z	-12.582	1.58
141	MP5C	Mx	-.011	1.58
142	MP5C	X	-7.264	5.58
143	MP5C	Z	-12.582	5.58
144	MP5C	Mx	-.011	5.58

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP5B	X	0	1
2	MP5B	Z	-1.478	1
3	MP5B	Mx	0	1
4	MP5C	X	0	1
5	MP5C	Z	-1.478	1
6	MP5C	Mx	0	1
7	MP2A	X	0	7
8	MP2A	Z	-1.891	7
9	MP2A	Mx	.00063	7
10	MP2B	X	0	7
11	MP2B	Z	-1.895	7
12	MP2B	Mx	-.002	7
13	MP2C	X	0	7
14	MP2C	Z	-1.895	7
15	MP2C	Mx	.001	7
16	MP2A	X	0	7
17	MP2A	Z	-1.891	7
18	MP2A	Mx	-.00063	7
19	MP2B	X	0	7
20	MP2B	Z	-1.895	7
21	MP2B	Mx	-.001	7
22	MP2C	X	0	7
23	MP2C	Z	-1.895	7
24	MP2C	Mx	.002	7
25	MP1A	X	0	2.58



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
26	MP1A	Z	- .877	2.58
27	MP1A	Mx	0	2.58
28	MP1A	X	0	4.58
29	MP1A	Z	- .877	4.58
30	MP1A	Mx	0	4.58
31	MP1B	X	0	2.58
32	MP1B	Z	- .348	2.58
33	MP1B	Mx	.000226	2.58
34	MP1B	X	0	4.58
35	MP1B	Z	- .348	4.58
36	MP1B	Mx	.000226	4.58
37	MP1C	X	0	2.58
38	MP1C	Z	- .348	2.58
39	MP1C	Mx	- .000226	2.58
40	MP1C	X	0	4.58
41	MP1C	Z	- .348	4.58
42	MP1C	Mx	- .000226	4.58
43	MP4A	X	0	2.58
44	MP4A	Z	-3.861	2.58
45	MP4A	Mx	0	2.58
46	MP4A	X	0	4.58
47	MP4A	Z	-3.861	4.58
48	MP4A	Mx	0	4.58
49	MP4B	X	0	2.58
50	MP4B	Z	-1.963	2.58
51	MP4B	Mx	.001	2.58
52	MP4B	X	0	4.58
53	MP4B	Z	-1.963	4.58
54	MP4B	Mx	.001	4.58
55	MP4C	X	0	2.58
56	MP4C	Z	-1.963	2.58
57	MP4C	Mx	- .001	2.58
58	MP4C	X	0	4.58
59	MP4C	Z	-1.963	4.58
60	MP4C	Mx	- .001	4.58
61	MP2A	X	0	2.5
62	MP2A	Z	- .673	2.5
63	MP2A	Mx	.000168	2.5
64	MP2B	X	0	2.5
65	MP2B	Z	- .673	2.5
66	MP2B	Mx	.000168	2.5
67	MP2C	X	0	2.5
68	MP2C	Z	- .673	2.5
69	MP2C	Mx	.000168	2.5
70	OVP	X	0	1
71	OVP	Z	-7.524	1
72	OVP	Mx	0	1
73	MP3A	X	0	4
74	MP3A	Z	-2.802	4
75	MP3A	Mx	.000701	4
76	MP3B	X	0	4
77	MP3B	Z	-2.802	4
78	MP3B	Mx	.000701	4
79	MP3C	X	0	4
80	MP3C	Z	-2.802	4
81	MP3C	Mx	.000701	4
82	MP2A	X	0	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
140	MP5C	Z	-4.788	1.58
141	MP5C	Mx	-.003	1.58
142	MP5C	X	0	5.58
143	MP5C	Z	-4.788	5.58
144	MP5C	Mx	-.003	5.58

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
1	MP5B	X	.246	1
2	MP5B	Z	-.427	1
3	MP5B	Mx	0	1
4	MP5C	X	.246	1
5	MP5C	Z	-.427	1
6	MP5C	Mx	0	1
7	MP2A	X	.946	7
8	MP2A	Z	-1.639	7
9	MP2A	Mx	.001	7
10	MP2B	X	.948	7
11	MP2B	Z	-1.643	7
12	MP2B	Mx	-.002	7
13	MP2C	X	.946	7
14	MP2C	Z	-1.639	7
15	MP2C	Mx	.0004	7
16	MP2A	X	.946	7
17	MP2A	Z	-1.639	7
18	MP2A	Mx	.0004	7
19	MP2B	X	.948	7
20	MP2B	Z	-1.643	7
21	MP2B	Mx	-.002	7
22	MP2C	X	.946	7
23	MP2C	Z	-1.639	7
24	MP2C	Mx	.001	7
25	MP1A	X	.35	2.58
26	MP1A	Z	-.607	2.58
27	MP1A	Mx	-.000262	2.58
28	MP1A	X	.35	4.58
29	MP1A	Z	-.607	4.58
30	MP1A	Mx	-.000262	4.58
31	MP1B	X	.086	2.58
32	MP1B	Z	-.149	2.58
33	MP1B	Mx	.000129	2.58
34	MP1B	X	.086	4.58
35	MP1B	Z	-.149	4.58
36	MP1B	Mx	.000129	4.58
37	MP1C	X	.35	2.58
38	MP1C	Z	-.607	2.58
39	MP1C	Mx	-.000263	2.58
40	MP1C	X	.35	4.58
41	MP1C	Z	-.607	4.58
42	MP1C	Mx	-.000263	4.58
43	MP4A	X	1.614	2.58
44	MP4A	Z	-2.796	2.58
45	MP4A	Mx	-.001	2.58
46	MP4A	X	1.614	4.58
47	MP4A	Z	-2.796	4.58
48	MP4A	Mx	-.001	4.58



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
49	MP4B	X	.665	2.58
50	MP4B	Z	-1.152	2.58
51	MP4B	Mx	.000998	2.58
52	MP4B	X	.665	4.58
53	MP4B	Z	-1.152	4.58
54	MP4B	Mx	.000998	4.58
55	MP4C	X	1.614	2.58
56	MP4C	Z	-2.796	2.58
57	MP4C	Mx	-.001	2.58
58	MP4C	X	1.614	4.58
59	MP4C	Z	-2.796	4.58
60	MP4C	Mx	-.001	4.58
61	MP2A	X	.28	2.5
62	MP2A	Z	-.485	2.5
63	MP2A	Mx	.000242	2.5
64	MP2B	X	.28	2.5
65	MP2B	Z	-.485	2.5
66	MP2B	Mx	.000242	2.5
67	MP2C	X	.28	2.5
68	MP2C	Z	-.485	2.5
69	MP2C	Mx	.000242	2.5
70	OVP	X	3.288	1
71	OVP	Z	-5.695	1
72	OVP	Mx	0	1
73	MP3A	X	1.15	4
74	MP3A	Z	-1.992	4
75	MP3A	Mx	.000996	4
76	MP3B	X	1.15	4
77	MP3B	Z	-1.992	4
78	MP3B	Mx	.000996	4
79	MP3C	X	1.15	4
80	MP3C	Z	-1.992	4
81	MP3C	Mx	.000996	4
82	MP2A	X	1.01	4
83	MP2A	Z	-1.749	4
84	MP2A	Mx	.000875	4
85	MP2B	X	1.01	4
86	MP2B	Z	-1.749	4
87	MP2B	Mx	.000875	4
88	MP2C	X	1.01	4
89	MP2C	Z	-1.749	4
90	MP2C	Mx	.000875	4
91	MP2A	X	4.102	1.79
92	MP2A	Z	-7.105	1.79
93	MP2A	Mx	-.008	1.79
94	MP2A	X	4.102	5.79
95	MP2A	Z	-7.105	5.79
96	MP2A	Mx	-.008	5.79
97	MP2B	X	2.947	1.79
98	MP2B	Z	-5.104	1.79
99	MP2B	Mx	.004	1.79
100	MP2B	X	2.947	5.79
101	MP2B	Z	-5.104	5.79
102	MP2B	Mx	.004	5.79
103	MP2C	X	4.102	1.79
104	MP2C	Z	-7.105	1.79
105	MP2C	Mx	.002	1.79

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
106	MP2C	X	4.102	5.79
107	MP2C	Z	-7.105	5.79
108	MP2C	Mx	.002	5.79
109	MP2A	X	4.102	1.79
110	MP2A	Z	-7.105	1.79
111	MP2A	Mx	.002	1.79
112	MP2A	X	4.102	5.79
113	MP2A	Z	-7.105	5.79
114	MP2A	Mx	.002	5.79
115	MP2B	X	2.947	1.79
116	MP2B	Z	-5.104	1.79
117	MP2B	Mx	.004	1.79
118	MP2B	X	2.947	5.79
119	MP2B	Z	-5.104	5.79
120	MP2B	Mx	.004	5.79
121	MP2C	X	4.102	1.79
122	MP2C	Z	-7.105	1.79
123	MP2C	Mx	-.008	1.79
124	MP2C	X	4.102	5.79
125	MP2C	Z	-7.105	5.79
126	MP2C	Mx	-.008	5.79
127	MP5A	X	2.689	1.58
128	MP5A	Z	-4.658	1.58
129	MP5A	Mx	-.002	1.58
130	MP5A	X	2.689	5.58
131	MP5A	Z	-4.658	5.58
132	MP5A	Mx	-.002	5.58
133	MP5B	X	2.246	1.58
134	MP5B	Z	-3.891	1.58
135	MP5B	Mx	.003	1.58
136	MP5B	X	2.246	5.58
137	MP5B	Z	-3.891	5.58
138	MP5B	Mx	.003	5.58
139	MP5C	X	2.689	1.58
140	MP5C	Z	-4.658	1.58
141	MP5C	Mx	-.002	1.58
142	MP5C	X	2.689	5.58
143	MP5C	Z	-4.658	5.58
144	MP5C	Mx	-.002	5.58

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP5B	X	0	1
2	MP5B	Z	0	1
3	MP5B	Mx	0	1
4	MP5C	X	0	1
5	MP5C	Z	0	1
6	MP5C	Mx	0	1
7	MP2A	X	1.642	7
8	MP2A	Z	-.948	7
9	MP2A	Mx	.002	7
10	MP2B	X	1.642	7
11	MP2B	Z	-.948	7
12	MP2B	Mx	-.001	7
13	MP2C	X	1.638	7
14	MP2C	Z	-.946	7

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
15	MP2C	Mx	-.00063	7
16	MP2A	X	1.642	7
17	MP2A	Z	-.948	7
18	MP2A	Mx	.001	7
19	MP2B	X	1.642	7
20	MP2B	Z	-.948	7
21	MP2B	Mx	-.002	7
22	MP2C	X	1.638	7
23	MP2C	Z	-.946	7
24	MP2C	Mx	.000631	7
25	MP1A	X	.301	2.58
26	MP1A	Z	-.174	2.58
27	MP1A	Mx	-.000226	2.58
28	MP1A	X	.301	4.58
29	MP1A	Z	-.174	4.58
30	MP1A	Mx	-.000226	4.58
31	MP1B	X	.301	2.58
32	MP1B	Z	-.174	2.58
33	MP1B	Mx	.000226	2.58
34	MP1B	X	.301	4.58
35	MP1B	Z	-.174	4.58
36	MP1B	Mx	.000226	4.58
37	MP1C	X	.759	2.58
38	MP1C	Z	-.438	2.58
39	MP1C	Mx	0	2.58
40	MP1C	X	.759	4.58
41	MP1C	Z	-.438	4.58
42	MP1C	Mx	0	4.58
43	MP4A	X	1.7	2.58
44	MP4A	Z	-.981	2.58
45	MP4A	Mx	-.001	2.58
46	MP4A	X	1.7	4.58
47	MP4A	Z	-.981	4.58
48	MP4A	Mx	-.001	4.58
49	MP4B	X	1.7	2.58
50	MP4B	Z	-.981	2.58
51	MP4B	Mx	.001	2.58
52	MP4B	X	1.7	4.58
53	MP4B	Z	-.981	4.58
54	MP4B	Mx	.001	4.58
55	MP4C	X	3.344	2.58
56	MP4C	Z	-1.931	2.58
57	MP4C	Mx	0	2.58
58	MP4C	X	3.344	4.58
59	MP4C	Z	-1.931	4.58
60	MP4C	Mx	0	4.58
61	MP2A	X	.437	2.5
62	MP2A	Z	-.252	2.5
63	MP2A	Mx	.000252	2.5
64	MP2B	X	.437	2.5
65	MP2B	Z	-.252	2.5
66	MP2B	Mx	.000252	2.5
67	MP2C	X	.437	2.5
68	MP2C	Z	-.252	2.5
69	MP2C	Mx	.000252	2.5
70	OVP	X	5.285	1
71	OVP	Z	-3.051	1



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	OVP	Mx	0	1
73	MP3A	X	1.774	4
74	MP3A	Z	-1.024	4
75	MP3A	Mx	.001	4
76	MP3B	X	1.774	4
77	MP3B	Z	-1.024	4
78	MP3B	Mx	.001	4
79	MP3C	X	1.774	4
80	MP3C	Z	-1.024	4
81	MP3C	Mx	.001	4
82	MP2A	X	1.45	4
83	MP2A	Z	-.837	4
84	MP2A	Mx	.000837	4
85	MP2B	X	1.45	4
86	MP2B	Z	-.837	4
87	MP2B	Mx	.000837	4
88	MP2C	X	1.45	4
89	MP2C	Z	-.837	4
90	MP2C	Mx	.000837	4
91	MP2A	X	5.771	1.79
92	MP2A	Z	-3.332	1.79
93	MP2A	Mx	-.007	1.79
94	MP2A	X	5.771	5.79
95	MP2A	Z	-3.332	5.79
96	MP2A	Mx	-.007	5.79
97	MP2B	X	5.771	1.79
98	MP2B	Z	-3.332	1.79
99	MP2B	Mx	.002	1.79
100	MP2B	X	5.771	5.79
101	MP2B	Z	-3.332	5.79
102	MP2B	Mx	.002	5.79
103	MP2C	X	7.771	1.79
104	MP2C	Z	-4.487	1.79
105	MP2C	Mx	.006	1.79
106	MP2C	X	7.771	5.79
107	MP2C	Z	-4.487	5.79
108	MP2C	Mx	.006	5.79
109	MP2A	X	5.771	1.79
110	MP2A	Z	-3.332	1.79
111	MP2A	Mx	-.002	1.79
112	MP2A	X	5.771	5.79
113	MP2A	Z	-3.332	5.79
114	MP2A	Mx	-.002	5.79
115	MP2B	X	5.771	1.79
116	MP2B	Z	-3.332	1.79
117	MP2B	Mx	.007	1.79
118	MP2B	X	5.771	5.79
119	MP2B	Z	-3.332	5.79
120	MP2B	Mx	.007	5.79
121	MP2C	X	7.771	1.79
122	MP2C	Z	-4.487	1.79
123	MP2C	Mx	-.006	1.79
124	MP2C	X	7.771	5.79
125	MP2C	Z	-4.487	5.79
126	MP2C	Mx	-.006	5.79
127	MP5A	X	4.146	1.58
128	MP5A	Z	-2.394	1.58

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
129	MP5A	Mx	-.003	1.58
130	MP5A	X	4.146	5.58
131	MP5A	Z	-2.394	5.58
132	MP5A	Mx	-.003	5.58
133	MP5B	X	4.146	1.58
134	MP5B	Z	-2.394	1.58
135	MP5B	Mx	.003	1.58
136	MP5B	X	4.146	5.58
137	MP5B	Z	-2.394	5.58
138	MP5B	Mx	.003	5.58
139	MP5C	X	4.914	1.58
140	MP5C	Z	-2.837	1.58
141	MP5C	Mx	0	1.58
142	MP5C	X	4.914	5.58
143	MP5C	Z	-2.837	5.58
144	MP5C	Mx	0	5.58

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
1	MP5B	X	.493	1
2	MP5B	Z	0	1
3	MP5B	Mx	0	1
4	MP5C	X	.493	1
5	MP5C	Z	0	1
6	MP5C	Mx	0	1
7	MP2A	X	1.897	7
8	MP2A	Z	0	7
9	MP2A	Mx	.002	7
10	MP2B	X	1.893	7
11	MP2B	Z	0	7
12	MP2B	Mx	-.0004	7
13	MP2C	X	1.893	7
14	MP2C	Z	0	7
15	MP2C	Mx	-.001	7
16	MP2A	X	1.897	7
17	MP2A	Z	0	7
18	MP2A	Mx	.002	7
19	MP2B	X	1.893	7
20	MP2B	Z	0	7
21	MP2B	Mx	-.001	7
22	MP2C	X	1.893	7
23	MP2C	Z	0	7
24	MP2C	Mx	-.0004	7
25	MP1A	X	.172	2.58
26	MP1A	Z	0	2.58
27	MP1A	Mx	-.000129	2.58
28	MP1A	X	.172	4.58
29	MP1A	Z	0	4.58
30	MP1A	Mx	-.000129	4.58
31	MP1B	X	.7	2.58
32	MP1B	Z	0	2.58
33	MP1B	Mx	.000262	2.58
34	MP1B	X	.7	4.58
35	MP1B	Z	0	4.58
36	MP1B	Mx	.000262	4.58
37	MP1C	X	.7	2.58



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP1C	Z	0	2.58
39	MP1C	Mx	.000262	2.58
40	MP1C	X	.7	4.58
41	MP1C	Z	0	4.58
42	MP1C	Mx	.000262	4.58
43	MP4A	X	1.33	2.58
44	MP4A	Z	0	2.58
45	MP4A	Mx	-.000998	2.58
46	MP4A	X	1.33	4.58
47	MP4A	Z	0	4.58
48	MP4A	Mx	-.000998	4.58
49	MP4B	X	3.228	2.58
50	MP4B	Z	0	2.58
51	MP4B	Mx	.001	2.58
52	MP4B	X	3.228	4.58
53	MP4B	Z	0	4.58
54	MP4B	Mx	.001	4.58
55	MP4C	X	3.228	2.58
56	MP4C	Z	0	2.58
57	MP4C	Mx	.001	2.58
58	MP4C	X	3.228	4.58
59	MP4C	Z	0	4.58
60	MP4C	Mx	.001	4.58
61	MP2A	X	.56	2.5
62	MP2A	Z	0	2.5
63	MP2A	Mx	.000242	2.5
64	MP2B	X	.56	2.5
65	MP2B	Z	0	2.5
66	MP2B	Mx	.000242	2.5
67	MP2C	X	.56	2.5
68	MP2C	Z	0	2.5
69	MP2C	Mx	.000242	2.5
70	OVP	X	6.576	1
71	OVP	Z	0	1
72	OVP	Mx	0	1
73	MP3A	X	2.3	4
74	MP3A	Z	0	4
75	MP3A	Mx	.000996	4
76	MP3B	X	2.3	4
77	MP3B	Z	0	4
78	MP3B	Mx	.000996	4
79	MP3C	X	2.3	4
80	MP3C	Z	0	4
81	MP3C	Mx	.000996	4
82	MP2A	X	2.019	4
83	MP2A	Z	0	4
84	MP2A	Mx	.000874	4
85	MP2B	X	2.019	4
86	MP2B	Z	0	4
87	MP2B	Mx	.000874	4
88	MP2C	X	2.019	4
89	MP2C	Z	0	4
90	MP2C	Mx	.000874	4
91	MP2A	X	5.894	1.79
92	MP2A	Z	0	1.79
93	MP2A	Mx	-.004	1.79
94	MP2A	X	5.894	5.79

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
95	MP2A	Z	0	5.79
96	MP2A	Mx	-.004	5.79
97	MP2B	X	8.204	1.79
98	MP2B	Z	0	1.79
99	MP2B	Mx	-.002	1.79
100	MP2B	X	8.204	5.79
101	MP2B	Z	0	5.79
102	MP2B	Mx	-.002	5.79
103	MP2C	X	8.204	1.79
104	MP2C	Z	0	1.79
105	MP2C	Mx	.008	1.79
106	MP2C	X	8.204	5.79
107	MP2C	Z	0	5.79
108	MP2C	Mx	.008	5.79
109	MP2A	X	5.894	1.79
110	MP2A	Z	0	1.79
111	MP2A	Mx	-.004	1.79
112	MP2A	X	5.894	5.79
113	MP2A	Z	0	5.79
114	MP2A	Mx	-.004	5.79
115	MP2B	X	8.204	1.79
116	MP2B	Z	0	1.79
117	MP2B	Mx	.008	1.79
118	MP2B	X	8.204	5.79
119	MP2B	Z	0	5.79
120	MP2B	Mx	.008	5.79
121	MP2C	X	8.204	1.79
122	MP2C	Z	0	1.79
123	MP2C	Mx	-.002	1.79
124	MP2C	X	8.204	5.79
125	MP2C	Z	0	5.79
126	MP2C	Mx	-.002	5.79
127	MP5A	X	4.493	1.58
128	MP5A	Z	0	1.58
129	MP5A	Mx	-.003	1.58
130	MP5A	X	4.493	5.58
131	MP5A	Z	0	5.58
132	MP5A	Mx	-.003	5.58
133	MP5B	X	5.378	1.58
134	MP5B	Z	0	1.58
135	MP5B	Mx	.002	1.58
136	MP5B	X	5.378	5.58
137	MP5B	Z	0	5.58
138	MP5B	Mx	.002	5.58
139	MP5C	X	5.378	1.58
140	MP5C	Z	0	1.58
141	MP5C	Mx	.002	1.58
142	MP5C	X	5.378	5.58
143	MP5C	Z	0	5.58
144	MP5C	Mx	.002	5.58

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP5B	X	1.28	1
2	MP5B	Z	.739	1
3	MP5B	Mx	0	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
4	MP5C	X	1.28	1
5	MP5C	Z	.739	1
6	MP5C	Mx	0	1
7	MP2A	X	1.642	7
8	MP2A	Z	.948	7
9	MP2A	Mx	.001	7
10	MP2B	X	1.638	7
11	MP2B	Z	.946	7
12	MP2B	Mx	.000631	7
13	MP2C	X	1.642	7
14	MP2C	Z	.948	7
15	MP2C	Mx	-.002	7
16	MP2A	X	1.642	7
17	MP2A	Z	.948	7
18	MP2A	Mx	.002	7
19	MP2B	X	1.638	7
20	MP2B	Z	.946	7
21	MP2B	Mx	-.00063	7
22	MP2C	X	1.642	7
23	MP2C	Z	.948	7
24	MP2C	Mx	-.001	7
25	MP1A	X	.301	2.58
26	MP1A	Z	.174	2.58
27	MP1A	Mx	-.000226	2.58
28	MP1A	X	.301	4.58
29	MP1A	Z	.174	4.58
30	MP1A	Mx	-.000226	4.58
31	MP1B	X	.759	2.58
32	MP1B	Z	.438	2.58
33	MP1B	Mx	0	2.58
34	MP1B	X	.759	4.58
35	MP1B	Z	.438	4.58
36	MP1B	Mx	0	4.58
37	MP1C	X	.301	2.58
38	MP1C	Z	.174	2.58
39	MP1C	Mx	.000226	2.58
40	MP1C	X	.301	4.58
41	MP1C	Z	.174	4.58
42	MP1C	Mx	.000226	4.58
43	MP4A	X	1.7	2.58
44	MP4A	Z	.981	2.58
45	MP4A	Mx	-.001	2.58
46	MP4A	X	1.7	4.58
47	MP4A	Z	.981	4.58
48	MP4A	Mx	-.001	4.58
49	MP4B	X	3.344	2.58
50	MP4B	Z	1.931	2.58
51	MP4B	Mx	0	2.58
52	MP4B	X	3.344	4.58
53	MP4B	Z	1.931	4.58
54	MP4B	Mx	0	4.58
55	MP4C	X	1.7	2.58
56	MP4C	Z	.981	2.58
57	MP4C	Mx	.001	2.58
58	MP4C	X	1.7	4.58
59	MP4C	Z	.981	4.58
60	MP4C	Mx	.001	4.58

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

Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]	
61	MP2A	X	.583	2.5
62	MP2A	Z	.336	2.5
63	MP2A	Mx	.000168	2.5
64	MP2B	X	.583	2.5
65	MP2B	Z	.336	2.5
66	MP2B	Mx	.000168	2.5
67	MP2C	X	.583	2.5
68	MP2C	Z	.336	2.5
69	MP2C	Mx	.000168	2.5
70	OVP	X	6.516	1
71	OVP	Z	3.762	1
72	OVP	Mx	0	1
73	MP3A	X	2.427	4
74	MP3A	Z	1.401	4
75	MP3A	Mx	.000701	4
76	MP3B	X	2.427	4
77	MP3B	Z	1.401	4
78	MP3B	Mx	.000701	4
79	MP3C	X	2.427	4
80	MP3C	Z	1.401	4
81	MP3C	Mx	.000701	4
82	MP2A	X	2.346	4
83	MP2A	Z	1.354	4
84	MP2A	Mx	.000677	4
85	MP2B	X	2.346	4
86	MP2B	Z	1.354	4
87	MP2B	Mx	.000677	4
88	MP2C	X	2.346	4
89	MP2C	Z	1.354	4
90	MP2C	Mx	.000677	4
91	MP2A	X	5.771	1.79
92	MP2A	Z	3.332	1.79
93	MP2A	Mx	-.002	1.79
94	MP2A	X	5.771	5.79
95	MP2A	Z	3.332	5.79
96	MP2A	Mx	-.002	5.79
97	MP2B	X	7.771	1.79
98	MP2B	Z	4.487	1.79
99	MP2B	Mx	-.006	1.79
100	MP2B	X	7.771	5.79
101	MP2B	Z	4.487	5.79
102	MP2B	Mx	-.006	5.79
103	MP2C	X	5.771	1.79
104	MP2C	Z	3.332	1.79
105	MP2C	Mx	.007	1.79
106	MP2C	X	5.771	5.79
107	MP2C	Z	3.332	5.79
108	MP2C	Mx	.007	5.79
109	MP2A	X	5.771	1.79
110	MP2A	Z	3.332	1.79
111	MP2A	Mx	-.007	1.79
112	MP2A	X	5.771	5.79
113	MP2A	Z	3.332	5.79
114	MP2A	Mx	-.007	5.79
115	MP2B	X	7.771	1.79
116	MP2B	Z	4.487	1.79
117	MP2B	Mx	.006	1.79



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
118	MP2B	X	7.771	5.79
119	MP2B	Z	4.487	5.79
120	MP2B	Mx	.006	5.79
121	MP2C	X	5.771	1.79
122	MP2C	Z	3.332	1.79
123	MP2C	Mx	.002	1.79
124	MP2C	X	5.771	5.79
125	MP2C	Z	3.332	5.79
126	MP2C	Mx	.002	5.79
127	MP5A	X	4.146	1.58
128	MP5A	Z	2.394	1.58
129	MP5A	Mx	-.003	1.58
130	MP5A	X	4.146	5.58
131	MP5A	Z	2.394	5.58
132	MP5A	Mx	-.003	5.58
133	MP5B	X	4.914	1.58
134	MP5B	Z	2.837	1.58
135	MP5B	Mx	0	1.58
136	MP5B	X	4.914	5.58
137	MP5B	Z	2.837	5.58
138	MP5B	Mx	0	5.58
139	MP5C	X	4.146	1.58
140	MP5C	Z	2.394	1.58
141	MP5C	Mx	.003	1.58
142	MP5C	X	4.146	5.58
143	MP5C	Z	2.394	5.58
144	MP5C	Mx	.003	5.58

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP5B	X	.985	1
2	MP5B	Z	1.706	1
3	MP5B	Mx	0	1
4	MP5C	X	.985	1
5	MP5C	Z	1.706	1
6	MP5C	Mx	0	1
7	MP2A	X	.946	7
8	MP2A	Z	1.639	7
9	MP2A	Mx	.0004	7
10	MP2B	X	.946	7
11	MP2B	Z	1.639	7
12	MP2B	Mx	.001	7
13	MP2C	X	.948	7
14	MP2C	Z	1.643	7
15	MP2C	Mx	-.002	7
16	MP2A	X	.946	7
17	MP2A	Z	1.639	7
18	MP2A	Mx	.001	7
19	MP2B	X	.946	7
20	MP2B	Z	1.639	7
21	MP2B	Mx	.0004	7
22	MP2C	X	.948	7
23	MP2C	Z	1.643	7
24	MP2C	Mx	-.002	7
25	MP1A	X	.35	2.58
26	MP1A	Z	.607	2.58



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
27	MP1A	Mx	-.000262	2.58
28	MP1A	X	.35	4.58
29	MP1A	Z	.607	4.58
30	MP1A	Mx	-.000262	4.58
31	MP1B	X	.35	2.58
32	MP1B	Z	.607	2.58
33	MP1B	Mx	-.000263	2.58
34	MP1B	X	.35	4.58
35	MP1B	Z	.607	4.58
36	MP1B	Mx	-.000263	4.58
37	MP1C	X	.086	2.58
38	MP1C	Z	.149	2.58
39	MP1C	Mx	.000129	2.58
40	MP1C	X	.086	4.58
41	MP1C	Z	.149	4.58
42	MP1C	Mx	.000129	4.58
43	MP4A	X	1.614	2.58
44	MP4A	Z	2.796	2.58
45	MP4A	Mx	-.001	2.58
46	MP4A	X	1.614	4.58
47	MP4A	Z	2.796	4.58
48	MP4A	Mx	-.001	4.58
49	MP4B	X	1.614	2.58
50	MP4B	Z	2.796	2.58
51	MP4B	Mx	-.001	2.58
52	MP4B	X	1.614	4.58
53	MP4B	Z	2.796	4.58
54	MP4B	Mx	-.001	4.58
55	MP4C	X	.665	2.58
56	MP4C	Z	1.152	2.58
57	MP4C	Mx	.000998	2.58
58	MP4C	X	.665	4.58
59	MP4C	Z	1.152	4.58
60	MP4C	Mx	.000998	4.58
61	MP2A	X	.364	2.5
62	MP2A	Z	.631	2.5
63	MP2A	Mx	0	2.5
64	MP2B	X	.364	2.5
65	MP2B	Z	.631	2.5
66	MP2B	Mx	0	2.5
67	MP2C	X	.364	2.5
68	MP2C	Z	.631	2.5
69	MP2C	Mx	0	2.5
70	OVP	X	3.999	1
71	OVP	Z	6.927	1
72	OVP	Mx	0	1
73	MP3A	X	1.527	4
74	MP3A	Z	2.645	4
75	MP3A	Mx	0	4
76	MP3B	X	1.527	4
77	MP3B	Z	2.645	4
78	MP3B	Mx	0	4
79	MP3C	X	1.527	4
80	MP3C	Z	2.645	4
81	MP3C	Mx	0	4
82	MP2A	X	1.527	4
83	MP2A	Z	2.645	4



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	MP2A	Mx	0	4
85	MP2B	X	1.527	4
86	MP2B	Z	2.645	4
87	MP2B	Mx	0	4
88	MP2C	X	1.527	4
89	MP2C	Z	2.645	4
90	MP2C	Mx	0	4
91	MP2A	X	4.102	1.79
92	MP2A	Z	7.105	1.79
93	MP2A	Mx	.002	1.79
94	MP2A	X	4.102	5.79
95	MP2A	Z	7.105	5.79
96	MP2A	Mx	.002	5.79
97	MP2B	X	4.102	1.79
98	MP2B	Z	7.105	1.79
99	MP2B	Mx	-.008	1.79
100	MP2B	X	4.102	5.79
101	MP2B	Z	7.105	5.79
102	MP2B	Mx	-.008	5.79
103	MP2C	X	2.947	1.79
104	MP2C	Z	5.104	1.79
105	MP2C	Mx	.004	1.79
106	MP2C	X	2.947	5.79
107	MP2C	Z	5.104	5.79
108	MP2C	Mx	.004	5.79
109	MP2A	X	4.102	1.79
110	MP2A	Z	7.105	1.79
111	MP2A	Mx	-.008	1.79
112	MP2A	X	4.102	5.79
113	MP2A	Z	7.105	5.79
114	MP2A	Mx	-.008	5.79
115	MP2B	X	4.102	1.79
116	MP2B	Z	7.105	1.79
117	MP2B	Mx	.002	1.79
118	MP2B	X	4.102	5.79
119	MP2B	Z	7.105	5.79
120	MP2B	Mx	.002	5.79
121	MP2C	X	2.947	1.79
122	MP2C	Z	5.104	1.79
123	MP2C	Mx	.004	1.79
124	MP2C	X	2.947	5.79
125	MP2C	Z	5.104	5.79
126	MP2C	Mx	.004	5.79
127	MP5A	X	2.689	1.58
128	MP5A	Z	4.658	1.58
129	MP5A	Mx	-.002	1.58
130	MP5A	X	2.689	5.58
131	MP5A	Z	4.658	5.58
132	MP5A	Mx	-.002	5.58
133	MP5B	X	2.689	1.58
134	MP5B	Z	4.658	1.58
135	MP5B	Mx	-.002	1.58
136	MP5B	X	2.689	5.58
137	MP5B	Z	4.658	5.58
138	MP5B	Mx	-.002	5.58
139	MP5C	X	2.246	1.58
140	MP5C	Z	3.891	1.58



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
141	MP5C	Mx	.003	1.58
142	MP5C	X	2.246	5.58
143	MP5C	Z	3.891	5.58
144	MP5C	Mx	.003	5.58

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP5B	X	0	1
2	MP5B	Z	1.478	1
3	MP5B	Mx	0	1
4	MP5C	X	0	1
5	MP5C	Z	1.478	1
6	MP5C	Mx	0	1
7	MP2A	X	0	7
8	MP2A	Z	1.891	7
9	MP2A	Mx	-.00063	7
10	MP2B	X	0	7
11	MP2B	Z	1.895	7
12	MP2B	Mx	.002	7
13	MP2C	X	0	7
14	MP2C	Z	1.895	7
15	MP2C	Mx	-.001	7
16	MP2A	X	0	7
17	MP2A	Z	1.891	7
18	MP2A	Mx	.00063	7
19	MP2B	X	0	7
20	MP2B	Z	1.895	7
21	MP2B	Mx	.001	7
22	MP2C	X	0	7
23	MP2C	Z	1.895	7
24	MP2C	Mx	-.002	7
25	MP1A	X	0	2.58
26	MP1A	Z	.877	2.58
27	MP1A	Mx	0	2.58
28	MP1A	X	0	4.58
29	MP1A	Z	.877	4.58
30	MP1A	Mx	0	4.58
31	MP1B	X	0	2.58
32	MP1B	Z	.348	2.58
33	MP1B	Mx	-.000226	2.58
34	MP1B	X	0	4.58
35	MP1B	Z	.348	4.58
36	MP1B	Mx	-.000226	4.58
37	MP1C	X	0	2.58
38	MP1C	Z	.348	2.58
39	MP1C	Mx	.000226	2.58
40	MP1C	X	0	4.58
41	MP1C	Z	.348	4.58
42	MP1C	Mx	.000226	4.58
43	MP4A	X	0	2.58
44	MP4A	Z	3.861	2.58
45	MP4A	Mx	0	2.58
46	MP4A	X	0	4.58
47	MP4A	Z	3.861	4.58
48	MP4A	Mx	0	4.58
49	MP4B	X	0	2.58



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
50	MP4B	Z	1.963	2.58
51	MP4B	Mx	-.001	2.58
52	MP4B	X	0	4.58
53	MP4B	Z	1.963	4.58
54	MP4B	Mx	-.001	4.58
55	MP4C	X	0	2.58
56	MP4C	Z	1.963	2.58
57	MP4C	Mx	.001	2.58
58	MP4C	X	0	4.58
59	MP4C	Z	1.963	4.58
60	MP4C	Mx	.001	4.58
61	MP2A	X	0	2.5
62	MP2A	Z	.673	2.5
63	MP2A	Mx	-.000168	2.5
64	MP2B	X	0	2.5
65	MP2B	Z	.673	2.5
66	MP2B	Mx	-.000168	2.5
67	MP2C	X	0	2.5
68	MP2C	Z	.673	2.5
69	MP2C	Mx	-.000168	2.5
70	OVP	X	0	1
71	OVP	Z	7.524	1
72	OVP	Mx	0	1
73	MP3A	X	0	4
74	MP3A	Z	2.802	4
75	MP3A	Mx	-.000701	4
76	MP3B	X	0	4
77	MP3B	Z	2.802	4
78	MP3B	Mx	-.000701	4
79	MP3C	X	0	4
80	MP3C	Z	2.802	4
81	MP3C	Mx	-.000701	4
82	MP2A	X	0	4
83	MP2A	Z	2.709	4
84	MP2A	Mx	-.000677	4
85	MP2B	X	0	4
86	MP2B	Z	2.709	4
87	MP2B	Mx	-.000677	4
88	MP2C	X	0	4
89	MP2C	Z	2.709	4
90	MP2C	Mx	-.000677	4
91	MP2A	X	0	1.79
92	MP2A	Z	8.974	1.79
93	MP2A	Mx	.006	1.79
94	MP2A	X	0	5.79
95	MP2A	Z	8.974	5.79
96	MP2A	Mx	.006	5.79
97	MP2B	X	0	1.79
98	MP2B	Z	6.664	1.79
99	MP2B	Mx	-.007	1.79
100	MP2B	X	0	5.79
101	MP2B	Z	6.664	5.79
102	MP2B	Mx	-.007	5.79
103	MP2C	X	0	1.79
104	MP2C	Z	6.664	1.79
105	MP2C	Mx	.002	1.79
106	MP2C	X	0	5.79

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
107	MP2C	Z	6.664	5.79
108	MP2C	Mx	.002	5.79
109	MP2A	X	0	1.79
110	MP2A	Z	8.974	1.79
111	MP2A	Mx	-.006	1.79
112	MP2A	X	0	5.79
113	MP2A	Z	8.974	5.79
114	MP2A	Mx	-.006	5.79
115	MP2B	X	0	1.79
116	MP2B	Z	6.664	1.79
117	MP2B	Mx	-.002	1.79
118	MP2B	X	0	5.79
119	MP2B	Z	6.664	5.79
120	MP2B	Mx	-.002	5.79
121	MP2C	X	0	1.79
122	MP2C	Z	6.664	1.79
123	MP2C	Mx	.007	1.79
124	MP2C	X	0	5.79
125	MP2C	Z	6.664	5.79
126	MP2C	Mx	.007	5.79
127	MP5A	X	0	1.58
128	MP5A	Z	5.674	1.58
129	MP5A	Mx	0	1.58
130	MP5A	X	0	5.58
131	MP5A	Z	5.674	5.58
132	MP5A	Mx	0	5.58
133	MP5B	X	0	1.58
134	MP5B	Z	4.788	1.58
135	MP5B	Mx	-.003	1.58
136	MP5B	X	0	5.58
137	MP5B	Z	4.788	5.58
138	MP5B	Mx	-.003	5.58
139	MP5C	X	0	1.58
140	MP5C	Z	4.788	1.58
141	MP5C	Mx	.003	1.58
142	MP5C	X	0	5.58
143	MP5C	Z	4.788	5.58
144	MP5C	Mx	.003	5.58

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP5B	X	-.246	1
2	MP5B	Z	.427	1
3	MP5B	Mx	0	1
4	MP5C	X	-.246	1
5	MP5C	Z	.427	1
6	MP5C	Mx	0	1
7	MP2A	X	-.946	7
8	MP2A	Z	1.639	7
9	MP2A	Mx	-.001	7
10	MP2B	X	-.948	7
11	MP2B	Z	1.643	7
12	MP2B	Mx	.002	7
13	MP2C	X	-.946	7
14	MP2C	Z	1.639	7
15	MP2C	Mx	-.0004	7



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
16	MP2A	X	-.946	7
17	MP2A	Z	1.639	7
18	MP2A	Mx	-.0004	7
19	MP2B	X	-.948	7
20	MP2B	Z	1.643	7
21	MP2B	Mx	.002	7
22	MP2C	X	-.946	7
23	MP2C	Z	1.639	7
24	MP2C	Mx	-.001	7
25	MP1A	X	-.35	2.58
26	MP1A	Z	.607	2.58
27	MP1A	Mx	.000262	2.58
28	MP1A	X	-.35	4.58
29	MP1A	Z	.607	4.58
30	MP1A	Mx	.000262	4.58
31	MP1B	X	-.086	2.58
32	MP1B	Z	.149	2.58
33	MP1B	Mx	-.000129	2.58
34	MP1B	X	-.086	4.58
35	MP1B	Z	.149	4.58
36	MP1B	Mx	-.000129	4.58
37	MP1C	X	-.35	2.58
38	MP1C	Z	.607	2.58
39	MP1C	Mx	.000263	2.58
40	MP1C	X	-.35	4.58
41	MP1C	Z	.607	4.58
42	MP1C	Mx	.000263	4.58
43	MP4A	X	-1.614	2.58
44	MP4A	Z	2.796	2.58
45	MP4A	Mx	.001	2.58
46	MP4A	X	-1.614	4.58
47	MP4A	Z	2.796	4.58
48	MP4A	Mx	.001	4.58
49	MP4B	X	-.665	2.58
50	MP4B	Z	1.152	2.58
51	MP4B	Mx	-.000998	2.58
52	MP4B	X	-.665	4.58
53	MP4B	Z	1.152	4.58
54	MP4B	Mx	-.000998	4.58
55	MP4C	X	-1.614	2.58
56	MP4C	Z	2.796	2.58
57	MP4C	Mx	.001	2.58
58	MP4C	X	-1.614	4.58
59	MP4C	Z	2.796	4.58
60	MP4C	Mx	.001	4.58
61	MP2A	X	-.28	2.5
62	MP2A	Z	.485	2.5
63	MP2A	Mx	-.000242	2.5
64	MP2B	X	-.28	2.5
65	MP2B	Z	.485	2.5
66	MP2B	Mx	-.000242	2.5
67	MP2C	X	-.28	2.5
68	MP2C	Z	.485	2.5
69	MP2C	Mx	-.000242	2.5
70	OVP	X	-3.288	1
71	OVP	Z	5.695	1
72	OVP	Mx	0	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
73	MP3A	X	-1.15	4
74	MP3A	Z	1.992	4
75	MP3A	Mx	-.000996	4
76	MP3B	X	-1.15	4
77	MP3B	Z	1.992	4
78	MP3B	Mx	-.000996	4
79	MP3C	X	-1.15	4
80	MP3C	Z	1.992	4
81	MP3C	Mx	-.000996	4
82	MP2A	X	-1.01	4
83	MP2A	Z	1.749	4
84	MP2A	Mx	-.000875	4
85	MP2B	X	-1.01	4
86	MP2B	Z	1.749	4
87	MP2B	Mx	-.000875	4
88	MP2C	X	-1.01	4
89	MP2C	Z	1.749	4
90	MP2C	Mx	-.000875	4
91	MP2A	X	-4.102	1.79
92	MP2A	Z	7.105	1.79
93	MP2A	Mx	.008	1.79
94	MP2A	X	-4.102	5.79
95	MP2A	Z	7.105	5.79
96	MP2A	Mx	.008	5.79
97	MP2B	X	-2.947	1.79
98	MP2B	Z	5.104	1.79
99	MP2B	Mx	-.004	1.79
100	MP2B	X	-2.947	5.79
101	MP2B	Z	5.104	5.79
102	MP2B	Mx	-.004	5.79
103	MP2C	X	-4.102	1.79
104	MP2C	Z	7.105	1.79
105	MP2C	Mx	-.002	1.79
106	MP2C	X	-4.102	5.79
107	MP2C	Z	7.105	5.79
108	MP2C	Mx	-.002	5.79
109	MP2A	X	-4.102	1.79
110	MP2A	Z	7.105	1.79
111	MP2A	Mx	-.002	1.79
112	MP2A	X	-4.102	5.79
113	MP2A	Z	7.105	5.79
114	MP2A	Mx	-.002	5.79
115	MP2B	X	-2.947	1.79
116	MP2B	Z	5.104	1.79
117	MP2B	Mx	-.004	1.79
118	MP2B	X	-2.947	5.79
119	MP2B	Z	5.104	5.79
120	MP2B	Mx	-.004	5.79
121	MP2C	X	-4.102	1.79
122	MP2C	Z	7.105	1.79
123	MP2C	Mx	.008	1.79
124	MP2C	X	-4.102	5.79
125	MP2C	Z	7.105	5.79
126	MP2C	Mx	.008	5.79
127	MP5A	X	-2.689	1.58
128	MP5A	Z	4.658	1.58
129	MP5A	Mx	.002	1.58



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
130	MP5A	X	-2.689	5.58
131	MP5A	Z	4.658	5.58
132	MP5A	Mx	.002	5.58
133	MP5B	X	-2.246	1.58
134	MP5B	Z	3.891	1.58
135	MP5B	Mx	-.003	1.58
136	MP5B	X	-2.246	5.58
137	MP5B	Z	3.891	5.58
138	MP5B	Mx	-.003	5.58
139	MP5C	X	-2.689	1.58
140	MP5C	Z	4.658	1.58
141	MP5C	Mx	.002	1.58
142	MP5C	X	-2.689	5.58
143	MP5C	Z	4.658	5.58
144	MP5C	Mx	.002	5.58

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
1	MP5B	X	0	1
2	MP5B	Z	0	1
3	MP5B	Mx	0	1
4	MP5C	X	0	1
5	MP5C	Z	0	1
6	MP5C	Mx	0	1
7	MP2A	X	-1.642	7
8	MP2A	Z	.948	7
9	MP2A	Mx	-.002	7
10	MP2B	X	-1.642	7
11	MP2B	Z	.948	7
12	MP2B	Mx	.001	7
13	MP2C	X	-1.638	7
14	MP2C	Z	.946	7
15	MP2C	Mx	.00063	7
16	MP2A	X	-1.642	7
17	MP2A	Z	.948	7
18	MP2A	Mx	-.001	7
19	MP2B	X	-1.642	7
20	MP2B	Z	.948	7
21	MP2B	Mx	.002	7
22	MP2C	X	-1.638	7
23	MP2C	Z	.946	7
24	MP2C	Mx	-.000631	7
25	MP1A	X	-.301	2.58
26	MP1A	Z	.174	2.58
27	MP1A	Mx	.000226	2.58
28	MP1A	X	-.301	4.58
29	MP1A	Z	.174	4.58
30	MP1A	Mx	.000226	4.58
31	MP1B	X	-.301	2.58
32	MP1B	Z	.174	2.58
33	MP1B	Mx	-.000226	2.58
34	MP1B	X	-.301	4.58
35	MP1B	Z	.174	4.58
36	MP1B	Mx	-.000226	4.58
37	MP1C	X	-.759	2.58
38	MP1C	Z	.438	2.58

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
39	MP1C	Mx	0	2.58
40	MP1C	X	- .759	4.58
41	MP1C	Z	.438	4.58
42	MP1C	Mx	0	4.58
43	MP4A	X	-1.7	2.58
44	MP4A	Z	.981	2.58
45	MP4A	Mx	.001	2.58
46	MP4A	X	-1.7	4.58
47	MP4A	Z	.981	4.58
48	MP4A	Mx	.001	4.58
49	MP4B	X	-1.7	2.58
50	MP4B	Z	.981	2.58
51	MP4B	Mx	-.001	2.58
52	MP4B	X	-1.7	4.58
53	MP4B	Z	.981	4.58
54	MP4B	Mx	-.001	4.58
55	MP4C	X	-3.344	2.58
56	MP4C	Z	1.931	2.58
57	MP4C	Mx	0	2.58
58	MP4C	X	-3.344	4.58
59	MP4C	Z	1.931	4.58
60	MP4C	Mx	0	4.58
61	MP2A	X	-.437	2.5
62	MP2A	Z	.252	2.5
63	MP2A	Mx	-.000252	2.5
64	MP2B	X	-.437	2.5
65	MP2B	Z	.252	2.5
66	MP2B	Mx	-.000252	2.5
67	MP2C	X	-.437	2.5
68	MP2C	Z	.252	2.5
69	MP2C	Mx	-.000252	2.5
70	OVP	X	-5.285	1
71	OVP	Z	3.051	1
72	OVP	Mx	0	1
73	MP3A	X	-1.774	4
74	MP3A	Z	1.024	4
75	MP3A	Mx	-.001	4
76	MP3B	X	-1.774	4
77	MP3B	Z	1.024	4
78	MP3B	Mx	-.001	4
79	MP3C	X	-1.774	4
80	MP3C	Z	1.024	4
81	MP3C	Mx	-.001	4
82	MP2A	X	-1.45	4
83	MP2A	Z	.837	4
84	MP2A	Mx	-.000837	4
85	MP2B	X	-1.45	4
86	MP2B	Z	.837	4
87	MP2B	Mx	-.000837	4
88	MP2C	X	-1.45	4
89	MP2C	Z	.837	4
90	MP2C	Mx	-.000837	4
91	MP2A	X	-5.771	1.79
92	MP2A	Z	3.332	1.79
93	MP2A	Mx	.007	1.79
94	MP2A	X	-5.771	5.79
95	MP2A	Z	3.332	5.79

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
96	MP2A	Mx	.007	5.79
97	MP2B	X	-5.771	1.79
98	MP2B	Z	3.332	1.79
99	MP2B	Mx	-.002	1.79
100	MP2B	X	-5.771	5.79
101	MP2B	Z	3.332	5.79
102	MP2B	Mx	-.002	5.79
103	MP2C	X	-7.771	1.79
104	MP2C	Z	4.487	1.79
105	MP2C	Mx	-.006	1.79
106	MP2C	X	-7.771	5.79
107	MP2C	Z	4.487	5.79
108	MP2C	Mx	-.006	5.79
109	MP2A	X	-5.771	1.79
110	MP2A	Z	3.332	1.79
111	MP2A	Mx	.002	1.79
112	MP2A	X	-5.771	5.79
113	MP2A	Z	3.332	5.79
114	MP2A	Mx	.002	5.79
115	MP2B	X	-5.771	1.79
116	MP2B	Z	3.332	1.79
117	MP2B	Mx	-.007	1.79
118	MP2B	X	-5.771	5.79
119	MP2B	Z	3.332	5.79
120	MP2B	Mx	-.007	5.79
121	MP2C	X	-7.771	1.79
122	MP2C	Z	4.487	1.79
123	MP2C	Mx	.006	1.79
124	MP2C	X	-7.771	5.79
125	MP2C	Z	4.487	5.79
126	MP2C	Mx	.006	5.79
127	MP5A	X	-4.146	1.58
128	MP5A	Z	2.394	1.58
129	MP5A	Mx	.003	1.58
130	MP5A	X	-4.146	5.58
131	MP5A	Z	2.394	5.58
132	MP5A	Mx	.003	5.58
133	MP5B	X	-4.146	1.58
134	MP5B	Z	2.394	1.58
135	MP5B	Mx	-.003	1.58
136	MP5B	X	-4.146	5.58
137	MP5B	Z	2.394	5.58
138	MP5B	Mx	-.003	5.58
139	MP5C	X	-4.914	1.58
140	MP5C	Z	2.837	1.58
141	MP5C	Mx	0	1.58
142	MP5C	X	-4.914	5.58
143	MP5C	Z	2.837	5.58
144	MP5C	Mx	0	5.58

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP5B	X	-.493	1
2	MP5B	Z	0	1
3	MP5B	Mx	0	1
4	MP5C	X	-.493	1

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

Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]	
5	MP5C	Z	0	1
6	MP5C	Mx	0	1
7	MP2A	X	-1.897	7
8	MP2A	Z	0	7
9	MP2A	Mx	-.002	7
10	MP2B	X	-1.893	7
11	MP2B	Z	0	7
12	MP2B	Mx	.0004	7
13	MP2C	X	-1.893	7
14	MP2C	Z	0	7
15	MP2C	Mx	.001	7
16	MP2A	X	-1.897	7
17	MP2A	Z	0	7
18	MP2A	Mx	-.002	7
19	MP2B	X	-1.893	7
20	MP2B	Z	0	7
21	MP2B	Mx	.001	7
22	MP2C	X	-1.893	7
23	MP2C	Z	0	7
24	MP2C	Mx	.0004	7
25	MP1A	X	-.172	2.58
26	MP1A	Z	0	2.58
27	MP1A	Mx	.000129	2.58
28	MP1A	X	-.172	4.58
29	MP1A	Z	0	4.58
30	MP1A	Mx	.000129	4.58
31	MP1B	X	-.7	2.58
32	MP1B	Z	0	2.58
33	MP1B	Mx	-.000262	2.58
34	MP1B	X	-.7	4.58
35	MP1B	Z	0	4.58
36	MP1B	Mx	-.000262	4.58
37	MP1C	X	-.7	2.58
38	MP1C	Z	0	2.58
39	MP1C	Mx	-.000262	2.58
40	MP1C	X	-.7	4.58
41	MP1C	Z	0	4.58
42	MP1C	Mx	-.000262	4.58
43	MP4A	X	-1.33	2.58
44	MP4A	Z	0	2.58
45	MP4A	Mx	.000998	2.58
46	MP4A	X	-1.33	4.58
47	MP4A	Z	0	4.58
48	MP4A	Mx	.000998	4.58
49	MP4B	X	-3.228	2.58
50	MP4B	Z	0	2.58
51	MP4B	Mx	-.001	2.58
52	MP4B	X	-3.228	4.58
53	MP4B	Z	0	4.58
54	MP4B	Mx	-.001	4.58
55	MP4C	X	-3.228	2.58
56	MP4C	Z	0	2.58
57	MP4C	Mx	-.001	2.58
58	MP4C	X	-3.228	4.58
59	MP4C	Z	0	4.58
60	MP4C	Mx	-.001	4.58
61	MP2A	X	-.56	2.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
62	MP2A	Z	0	2.5
63	MP2A	Mx	-.000242	2.5
64	MP2B	X	-.56	2.5
65	MP2B	Z	0	2.5
66	MP2B	Mx	-.000242	2.5
67	MP2C	X	-.56	2.5
68	MP2C	Z	0	2.5
69	MP2C	Mx	-.000242	2.5
70	OVP	X	-6.576	1
71	OVP	Z	0	1
72	OVP	Mx	0	1
73	MP3A	X	-2.3	4
74	MP3A	Z	0	4
75	MP3A	Mx	-.000996	4
76	MP3B	X	-2.3	4
77	MP3B	Z	0	4
78	MP3B	Mx	-.000996	4
79	MP3C	X	-2.3	4
80	MP3C	Z	0	4
81	MP3C	Mx	-.000996	4
82	MP2A	X	-2.019	4
83	MP2A	Z	0	4
84	MP2A	Mx	-.000874	4
85	MP2B	X	-2.019	4
86	MP2B	Z	0	4
87	MP2B	Mx	-.000874	4
88	MP2C	X	-2.019	4
89	MP2C	Z	0	4
90	MP2C	Mx	-.000874	4
91	MP2A	X	-5.894	1.79
92	MP2A	Z	0	1.79
93	MP2A	Mx	.004	1.79
94	MP2A	X	-5.894	5.79
95	MP2A	Z	0	5.79
96	MP2A	Mx	.004	5.79
97	MP2B	X	-8.204	1.79
98	MP2B	Z	0	1.79
99	MP2B	Mx	.002	1.79
100	MP2B	X	-8.204	5.79
101	MP2B	Z	0	5.79
102	MP2B	Mx	.002	5.79
103	MP2C	X	-8.204	1.79
104	MP2C	Z	0	1.79
105	MP2C	Mx	-.008	1.79
106	MP2C	X	-8.204	5.79
107	MP2C	Z	0	5.79
108	MP2C	Mx	-.008	5.79
109	MP2A	X	-5.894	1.79
110	MP2A	Z	0	1.79
111	MP2A	Mx	.004	1.79
112	MP2A	X	-5.894	5.79
113	MP2A	Z	0	5.79
114	MP2A	Mx	.004	5.79
115	MP2B	X	-8.204	1.79
116	MP2B	Z	0	1.79
117	MP2B	Mx	-.008	1.79
118	MP2B	X	-8.204	5.79

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
119	MP2B	Z	0	5.79
120	MP2B	Mx	-.008	5.79
121	MP2C	X	-8.204	1.79
122	MP2C	Z	0	1.79
123	MP2C	Mx	.002	1.79
124	MP2C	X	-8.204	5.79
125	MP2C	Z	0	5.79
126	MP2C	Mx	.002	5.79
127	MP5A	X	-4.493	1.58
128	MP5A	Z	0	1.58
129	MP5A	Mx	.003	1.58
130	MP5A	X	-4.493	5.58
131	MP5A	Z	0	5.58
132	MP5A	Mx	.003	5.58
133	MP5B	X	-5.378	1.58
134	MP5B	Z	0	1.58
135	MP5B	Mx	-.002	1.58
136	MP5B	X	-5.378	5.58
137	MP5B	Z	0	5.58
138	MP5B	Mx	-.002	5.58
139	MP5C	X	-5.378	1.58
140	MP5C	Z	0	1.58
141	MP5C	Mx	-.002	1.58
142	MP5C	X	-5.378	5.58
143	MP5C	Z	0	5.58
144	MP5C	Mx	-.002	5.58

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
1	MP5B	X	-1.28	1
2	MP5B	Z	-.739	1
3	MP5B	Mx	0	1
4	MP5C	X	-1.28	1
5	MP5C	Z	-.739	1
6	MP5C	Mx	0	1
7	MP2A	X	-1.642	7
8	MP2A	Z	-.948	7
9	MP2A	Mx	-.001	7
10	MP2B	X	-1.638	7
11	MP2B	Z	-.946	7
12	MP2B	Mx	-.000631	7
13	MP2C	X	-1.642	7
14	MP2C	Z	-.948	7
15	MP2C	Mx	.002	7
16	MP2A	X	-1.642	7
17	MP2A	Z	-.948	7
18	MP2A	Mx	-.002	7
19	MP2B	X	-1.638	7
20	MP2B	Z	-.946	7
21	MP2B	Mx	.00063	7
22	MP2C	X	-1.642	7
23	MP2C	Z	-.948	7
24	MP2C	Mx	.001	7
25	MP1A	X	-.301	2.58
26	MP1A	Z	-.174	2.58
27	MP1A	Mx	.000226	2.58

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
28	MP1A	X	-.301	4.58
29	MP1A	Z	-.174	4.58
30	MP1A	Mx	.000226	4.58
31	MP1B	X	-.759	2.58
32	MP1B	Z	-.438	2.58
33	MP1B	Mx	0	2.58
34	MP1B	X	-.759	4.58
35	MP1B	Z	-.438	4.58
36	MP1B	Mx	0	4.58
37	MP1C	X	-.301	2.58
38	MP1C	Z	-.174	2.58
39	MP1C	Mx	-.000226	2.58
40	MP1C	X	-.301	4.58
41	MP1C	Z	-.174	4.58
42	MP1C	Mx	-.000226	4.58
43	MP4A	X	-1.7	2.58
44	MP4A	Z	-.981	2.58
45	MP4A	Mx	.001	2.58
46	MP4A	X	-1.7	4.58
47	MP4A	Z	-.981	4.58
48	MP4A	Mx	.001	4.58
49	MP4B	X	-3.344	2.58
50	MP4B	Z	-1.931	2.58
51	MP4B	Mx	0	2.58
52	MP4B	X	-3.344	4.58
53	MP4B	Z	-1.931	4.58
54	MP4B	Mx	0	4.58
55	MP4C	X	-1.7	2.58
56	MP4C	Z	-.981	2.58
57	MP4C	Mx	-.001	2.58
58	MP4C	X	-1.7	4.58
59	MP4C	Z	-.981	4.58
60	MP4C	Mx	-.001	4.58
61	MP2A	X	-.583	2.5
62	MP2A	Z	-.336	2.5
63	MP2A	Mx	-.000168	2.5
64	MP2B	X	-.583	2.5
65	MP2B	Z	-.336	2.5
66	MP2B	Mx	-.000168	2.5
67	MP2C	X	-.583	2.5
68	MP2C	Z	-.336	2.5
69	MP2C	Mx	-.000168	2.5
70	OVP	X	-6.516	1
71	OVP	Z	-3.762	1
72	OVP	Mx	0	1
73	MP3A	X	-2.427	4
74	MP3A	Z	-1.401	4
75	MP3A	Mx	-.000701	4
76	MP3B	X	-2.427	4
77	MP3B	Z	-1.401	4
78	MP3B	Mx	-.000701	4
79	MP3C	X	-2.427	4
80	MP3C	Z	-1.401	4
81	MP3C	Mx	-.000701	4
82	MP2A	X	-2.346	4
83	MP2A	Z	-1.354	4
84	MP2A	Mx	-.000677	4



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
142	MP5C	X	-4.146	5.58
143	MP5C	Z	-2.394	5.58
144	MP5C	Mx	-.003	5.58

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP5B	X	-.985	1
2	MP5B	Z	-1.706	1
3	MP5B	Mx	0	1
4	MP5C	X	-.985	1
5	MP5C	Z	-1.706	1
6	MP5C	Mx	0	1
7	MP2A	X	-.946	7
8	MP2A	Z	-1.639	7
9	MP2A	Mx	-.0004	7
10	MP2B	X	-.946	7
11	MP2B	Z	-1.639	7
12	MP2B	Mx	-.001	7
13	MP2C	X	-.948	7
14	MP2C	Z	-1.643	7
15	MP2C	Mx	.002	7
16	MP2A	X	-.946	7
17	MP2A	Z	-1.639	7
18	MP2A	Mx	-.001	7
19	MP2B	X	-.946	7
20	MP2B	Z	-1.639	7
21	MP2B	Mx	-.0004	7
22	MP2C	X	-.948	7
23	MP2C	Z	-1.643	7
24	MP2C	Mx	.002	7
25	MP1A	X	-.35	2.58
26	MP1A	Z	-.607	2.58
27	MP1A	Mx	.000262	2.58
28	MP1A	X	-.35	4.58
29	MP1A	Z	-.607	4.58
30	MP1A	Mx	.000262	4.58
31	MP1B	X	-.35	2.58
32	MP1B	Z	-.607	2.58
33	MP1B	Mx	.000263	2.58
34	MP1B	X	-.35	4.58
35	MP1B	Z	-.607	4.58
36	MP1B	Mx	.000263	4.58
37	MP1C	X	-.086	2.58
38	MP1C	Z	-.149	2.58
39	MP1C	Mx	-.000129	2.58
40	MP1C	X	-.086	4.58
41	MP1C	Z	-.149	4.58
42	MP1C	Mx	-.000129	4.58
43	MP4A	X	-1.614	2.58
44	MP4A	Z	-2.796	2.58
45	MP4A	Mx	.001	2.58
46	MP4A	X	-1.614	4.58
47	MP4A	Z	-2.796	4.58
48	MP4A	Mx	.001	4.58
49	MP4B	X	-1.614	2.58
50	MP4B	Z	-2.796	2.58

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
51	MP4B	Mx	.001	2.58
52	MP4B	X	-1.614	4.58
53	MP4B	Z	-2.796	4.58
54	MP4B	Mx	.001	4.58
55	MP4C	X	-.665	2.58
56	MP4C	Z	-1.152	2.58
57	MP4C	Mx	-.000998	2.58
58	MP4C	X	-.665	4.58
59	MP4C	Z	-1.152	4.58
60	MP4C	Mx	-.000998	4.58
61	MP2A	X	-.364	2.5
62	MP2A	Z	-.631	2.5
63	MP2A	Mx	0	2.5
64	MP2B	X	-.364	2.5
65	MP2B	Z	-.631	2.5
66	MP2B	Mx	0	2.5
67	MP2C	X	-.364	2.5
68	MP2C	Z	-.631	2.5
69	MP2C	Mx	0	2.5
70	OVP	X	-3.999	1
71	OVP	Z	-6.927	1
72	OVP	Mx	0	1
73	MP3A	X	-1.527	4
74	MP3A	Z	-2.645	4
75	MP3A	Mx	0	4
76	MP3B	X	-1.527	4
77	MP3B	Z	-2.645	4
78	MP3B	Mx	0	4
79	MP3C	X	-1.527	4
80	MP3C	Z	-2.645	4
81	MP3C	Mx	0	4
82	MP2A	X	-1.527	4
83	MP2A	Z	-2.645	4
84	MP2A	Mx	0	4
85	MP2B	X	-1.527	4
86	MP2B	Z	-2.645	4
87	MP2B	Mx	0	4
88	MP2C	X	-1.527	4
89	MP2C	Z	-2.645	4
90	MP2C	Mx	0	4
91	MP2A	X	-4.102	1.79
92	MP2A	Z	-7.105	1.79
93	MP2A	Mx	-.002	1.79
94	MP2A	X	-4.102	5.79
95	MP2A	Z	-7.105	5.79
96	MP2A	Mx	-.002	5.79
97	MP2B	X	-4.102	1.79
98	MP2B	Z	-7.105	1.79
99	MP2B	Mx	.008	1.79
100	MP2B	X	-4.102	5.79
101	MP2B	Z	-7.105	5.79
102	MP2B	Mx	.008	5.79
103	MP2C	X	-2.947	1.79
104	MP2C	Z	-5.104	1.79
105	MP2C	Mx	-.004	1.79
106	MP2C	X	-2.947	5.79
107	MP2C	Z	-5.104	5.79

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

Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]	
58	MP4C	Y	-2.155	4.58
59	MP4C	My	.000808	4.58
60	MP4C	Mz	.001	4.58
61	MP2A	Y	-.515	2.5
62	MP2A	My	.000223	2.5
63	MP2A	Mz	-.000129	2.5
64	MP2B	Y	-.515	2.5
65	MP2B	My	.000223	2.5
66	MP2B	Mz	-.000129	2.5
67	MP2C	Y	-.515	2.5
68	MP2C	My	.000223	2.5
69	MP2C	Mz	-.000129	2.5
70	OVP	Y	-1.584	1
71	OVP	My	0	1
72	OVP	Mz	0	1
73	MP3A	Y	-4.177	4
74	MP3A	My	.002	4
75	MP3A	Mz	-.001	4
76	MP3B	Y	-4.177	4
77	MP3B	My	.002	4
78	MP3B	Mz	-.001	4
79	MP3C	Y	-4.177	4
80	MP3C	My	.002	4
81	MP3C	Mz	-.001	4
82	MP2A	Y	-3.479	4
83	MP2A	My	.002	4
84	MP2A	Mz	-.00087	4
85	MP2B	Y	-3.479	4
86	MP2B	My	.002	4
87	MP2B	Mz	-.00087	4
88	MP2C	Y	-3.479	4
89	MP2C	My	.002	4
90	MP2C	Mz	-.00087	4
91	MP2A	Y	-1.566	1.79
92	MP2A	My	-.001	1.79
93	MP2A	Mz	.001	1.79
94	MP2A	Y	-1.566	5.79
95	MP2A	My	-.001	5.79
96	MP2A	Mz	.001	5.79
97	MP2B	Y	-1.566	1.79
98	MP2B	My	-.000317	1.79
99	MP2B	Mz	-.002	1.79
100	MP2B	Y	-1.566	5.79
101	MP2B	My	-.000317	5.79
102	MP2B	Mz	-.002	5.79
103	MP2C	Y	-1.566	1.79
104	MP2C	My	.001	1.79
105	MP2C	Mz	.000495	1.79
106	MP2C	Y	-1.566	5.79
107	MP2C	My	.001	5.79
108	MP2C	Mz	.000495	5.79
109	MP2A	Y	-1.566	1.79
110	MP2A	My	-.001	1.79
111	MP2A	Mz	-.001	1.79
112	MP2A	Y	-1.566	5.79
113	MP2A	My	-.001	5.79
114	MP2A	Mz	-.001	5.79

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
115	MP2B	Y	-1.566	1.79
116	MP2B	My	.001	1.79
117	MP2B	Mz	-.000495	1.79
118	MP2B	Y	-1.566	5.79
119	MP2B	My	.001	5.79
120	MP2B	Mz	-.000495	5.79
121	MP2C	Y	-1.566	1.79
122	MP2C	My	-.000317	1.79
123	MP2C	Mz	.002	1.79
124	MP2C	Y	-1.566	5.79
125	MP2C	My	-.000317	5.79
126	MP2C	Mz	.002	5.79
127	MP5A	Y	-.445	1.58
128	MP5A	My	-.000334	1.58
129	MP5A	Mz	0	1.58
130	MP5A	Y	-.445	5.58
131	MP5A	My	-.000334	5.58
132	MP5A	Mz	0	5.58
133	MP5B	Y	-.445	1.58
134	MP5B	My	.000167	1.58
135	MP5B	Mz	-.000289	1.58
136	MP5B	Y	-.445	5.58
137	MP5B	My	.000167	5.58
138	MP5B	Mz	-.000289	5.58
139	MP5C	Y	-.445	1.58
140	MP5C	My	.000167	1.58
141	MP5C	Mz	.000289	1.58
142	MP5C	Y	-.445	5.58
143	MP5C	My	.000167	5.58
144	MP5C	Mz	.000289	5.58

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.-%]
1	MP5B	Z	-1.237	1
2	MP5B	Mx	0	1
3	MP5C	Z	-1.237	1
4	MP5C	Mx	0	1
5	MP2A	Z	-2.178	7
6	MP2A	Mx	.000726	7
7	MP2B	Z	-2.178	7
8	MP2B	Mx	-.002	7
9	MP2C	Z	-2.178	7
10	MP2C	Mx	.002	7
11	MP2A	Z	-2.178	7
12	MP2A	Mx	-.000726	7
13	MP2B	Z	-2.178	7
14	MP2B	Mx	-.002	7
15	MP2C	Z	-2.178	7
16	MP2C	Mx	.002	7
17	MP1A	Z	-.272	2.58
18	MP1A	Mx	0	2.58
19	MP1A	Z	-.272	4.58
20	MP1A	Mx	0	4.58
21	MP1B	Z	-.272	2.58
22	MP1B	Mx	.000177	2.58
23	MP1B	Z	-.272	4.58



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP1B	Mx	.000177	4.58
25	MP1C	Z	-.272	2.58
26	MP1C	Mx	-.000177	2.58
27	MP1C	Z	-.272	4.58
28	MP1C	Mx	-.000177	4.58
29	MP4A	Z	-5.389	2.58
30	MP4A	Mx	0	2.58
31	MP4A	Z	-5.389	4.58
32	MP4A	Mx	0	4.58
33	MP4B	Z	-5.389	2.58
34	MP4B	Mx	.004	2.58
35	MP4B	Z	-5.389	4.58
36	MP4B	Mx	.004	4.58
37	MP4C	Z	-5.389	2.58
38	MP4C	Mx	-.004	2.58
39	MP4C	Z	-5.389	4.58
40	MP4C	Mx	-.004	4.58
41	MP2A	Z	-1.287	2.5
42	MP2A	Mx	.000322	2.5
43	MP2B	Z	-1.287	2.5
44	MP2B	Mx	.000322	2.5
45	MP2C	Z	-1.287	2.5
46	MP2C	Mx	.000322	2.5
47	OVP	Z	-3.959	1
48	OVP	Mx	0	1
49	MP3A	Z	-10.443	4
50	MP3A	Mx	.003	4
51	MP3B	Z	-10.443	4
52	MP3B	Mx	.003	4
53	MP3C	Z	-10.443	4
54	MP3C	Mx	.003	4
55	MP2A	Z	-8.698	4
56	MP2A	Mx	.002	4
57	MP2B	Z	-8.698	4
58	MP2B	Mx	.002	4
59	MP2C	Z	-8.698	4
60	MP2C	Mx	.002	4
61	MP2A	Z	-3.916	1.79
62	MP2A	Mx	-.003	1.79
63	MP2A	Z	-3.916	5.79
64	MP2A	Mx	-.003	5.79
65	MP2B	Z	-3.916	1.79
66	MP2B	Mx	.004	1.79
67	MP2B	Z	-3.916	5.79
68	MP2B	Mx	.004	5.79
69	MP2C	Z	-3.916	1.79
70	MP2C	Mx	-.001	1.79
71	MP2C	Z	-3.916	5.79
72	MP2C	Mx	-.001	5.79
73	MP2A	Z	-3.916	1.79
74	MP2A	Mx	.003	1.79
75	MP2A	Z	-3.916	5.79
76	MP2A	Mx	.003	5.79
77	MP2B	Z	-3.916	1.79
78	MP2B	Mx	.001	1.79
79	MP2B	Z	-3.916	5.79
80	MP2B	Mx	.001	5.79



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
81	MP2C	Z	-3.916	1.79
82	MP2C	Mx	-.004	1.79
83	MP2C	Z	-3.916	5.79
84	MP2C	Mx	-.004	5.79
85	MP5A	Z	-1.114	1.58
86	MP5A	Mx	0	1.58
87	MP5A	Z	-1.114	5.58
88	MP5A	Mx	0	5.58
89	MP5B	Z	-1.114	1.58
90	MP5B	Mx	.000723	1.58
91	MP5B	Z	-1.114	5.58
92	MP5B	Mx	.000723	5.58
93	MP5C	Z	-1.114	1.58
94	MP5C	Mx	-.000723	1.58
95	MP5C	Z	-1.114	5.58
96	MP5C	Mx	-.000723	5.58

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP5B	X	1.237	1
2	MP5B	Mx	0	1
3	MP5C	X	1.237	1
4	MP5C	Mx	0	1
5	MP2A	X	2.178	7
6	MP2A	Mx	.002	7
7	MP2B	X	2.178	7
8	MP2B	Mx	-.00046	7
9	MP2C	X	2.178	7
10	MP2C	Mx	-.002	7
11	MP2A	X	2.178	7
12	MP2A	Mx	.002	7
13	MP2B	X	2.178	7
14	MP2B	Mx	-.002	7
15	MP2C	X	2.178	7
16	MP2C	Mx	-.00046	7
17	MP1A	X	.272	2.58
18	MP1A	Mx	-.000204	2.58
19	MP1A	X	.272	4.58
20	MP1A	Mx	-.000204	4.58
21	MP1B	X	.272	2.58
22	MP1B	Mx	.000102	2.58
23	MP1B	X	.272	4.58
24	MP1B	Mx	.000102	4.58
25	MP1C	X	.272	2.58
26	MP1C	Mx	.000102	2.58
27	MP1C	X	.272	4.58
28	MP1C	Mx	.000102	4.58
29	MP4A	X	5.389	2.58
30	MP4A	Mx	-.004	2.58
31	MP4A	X	5.389	4.58
32	MP4A	Mx	-.004	4.58
33	MP4B	X	5.389	2.58
34	MP4B	Mx	.002	2.58
35	MP4B	X	5.389	4.58
36	MP4B	Mx	.002	4.58
37	MP4C	X	5.389	2.58



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
38	MP4C	Mx	.002	2.58
39	MP4C	X	5.389	4.58
40	MP4C	Mx	.002	4.58
41	MP2A	X	1.287	2.5
42	MP2A	Mx	.000557	2.5
43	MP2B	X	1.287	2.5
44	MP2B	Mx	.000557	2.5
45	MP2C	X	1.287	2.5
46	MP2C	Mx	.000557	2.5
47	OVP	X	3.959	1
48	OVP	Mx	0	1
49	MP3A	X	10.443	4
50	MP3A	Mx	.005	4
51	MP3B	X	10.443	4
52	MP3B	Mx	.005	4
53	MP3C	X	10.443	4
54	MP3C	Mx	.005	4
55	MP2A	X	8.698	4
56	MP2A	Mx	.004	4
57	MP2B	X	8.698	4
58	MP2B	Mx	.004	4
59	MP2C	X	8.698	4
60	MP2C	Mx	.004	4
61	MP2A	X	3.916	1.79
62	MP2A	Mx	-.003	1.79
63	MP2A	X	3.916	5.79
64	MP2A	Mx	-.003	5.79
65	MP2B	X	3.916	1.79
66	MP2B	Mx	-.000792	1.79
67	MP2B	X	3.916	5.79
68	MP2B	Mx	-.000792	5.79
69	MP2C	X	3.916	1.79
70	MP2C	Mx	.004	1.79
71	MP2C	X	3.916	5.79
72	MP2C	Mx	.004	5.79
73	MP2A	X	3.916	1.79
74	MP2A	Mx	-.003	1.79
75	MP2A	X	3.916	5.79
76	MP2A	Mx	-.003	5.79
77	MP2B	X	3.916	1.79
78	MP2B	Mx	.004	1.79
79	MP2B	X	3.916	5.79
80	MP2B	Mx	.004	5.79
81	MP2C	X	3.916	1.79
82	MP2C	Mx	-.000792	1.79
83	MP2C	X	3.916	5.79
84	MP2C	Mx	-.000792	5.79
85	MP5A	X	1.114	1.58
86	MP5A	Mx	-.000835	1.58
87	MP5A	X	1.114	5.58
88	MP5A	Mx	-.000835	5.58
89	MP5B	X	1.114	1.58
90	MP5B	Mx	.000418	1.58
91	MP5B	X	1.114	5.58
92	MP5B	Mx	.000418	5.58
93	MP5C	X	1.114	1.58
94	MP5C	Mx	.000418	1.58

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
51	MP4B	Y	-4.813	-4.813	0	%100
52	MP3B	Y	-4.813	-4.813	0	%100
53	MP1B	Y	-4.813	-4.813	0	%100
54	MP2B	Y	-5.501	-5.501	0	%100
55	OVP	Y	-4.813	-4.813	0	%100
56	M108	Y	-5.501	-5.501	0	%100
57	M109	Y	-5.501	-5.501	0	%100
58	M110	Y	-5.501	-5.501	0	%100
59	M132	Y	-7.381	-7.381	0	%100
60	M133	Y	-7.381	-7.381	0	%100
61	M134	Y	-7.381	-7.381	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	-11.032	-11.032	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-9.482	-9.482	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	-9.482	-9.482	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	-18.913	-18.913	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	-2.625	-2.625	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	-2.625	-2.625	0	%100
15	M76	X	0	0	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	-4.816	-4.816	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	-5.072	-5.072	0	%100
21	M84	X	0	0	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	-4.816	-4.816	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	-5.072	-5.072	0	%100
27	M53	X	0	0	0	%100
28	M53	Z	-2.37	-2.37	0	%100
29	M54	X	0	0	0	%100
30	M54	Z	-2.37	-2.37	0	%100
31	M55	X	0	0	0	%100
32	M55	Z	-4.728	-4.728	0	%100
33	M58A	X	0	0	0	%100
34	M58A	Z	-2.625	-2.625	0	%100
35	M59A	X	0	0	0	%100
36	M59A	Z	-10.502	-10.502	0	%100
37	M63	X	0	0	0	%100
38	M63	Z	-14.185	-14.185	0	%100
39	M64	X	0	0	0	%100
40	M64	Z	-4.816	-4.816	0	%100
41	M66	X	0	0	0	%100
42	M66	Z	-5.072	-5.072	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]	
43	M68	X	0	0	0	%100
44	M68	Z	-14.185	-14.185	0	%100
45	M69	X	0	0	0	%100
46	M69	Z	-19.263	-19.263	0	%100
47	M71	X	0	0	0	%100
48	M71	Z	-20.289	-20.289	0	%100
49	M77A	X	0	0	0	%100
50	M77A	Z	-2.37	-2.37	0	%100
51	M78	X	0	0	0	%100
52	M78	Z	-2.37	-2.37	0	%100
53	M79A	X	0	0	0	%100
54	M79A	Z	-4.728	-4.728	0	%100
55	M82	X	0	0	0	%100
56	M82	Z	-10.502	-10.502	0	%100
57	M83A	X	0	0	0	%100
58	M83A	Z	-2.625	-2.625	0	%100
59	M87	X	0	0	0	%100
60	M87	Z	-14.185	-14.185	0	%100
61	M88A	X	0	0	0	%100
62	M88A	Z	-19.263	-19.263	0	%100
63	M90	X	0	0	0	%100
64	M90	Z	-20.289	-20.289	0	%100
65	M92A	X	0	0	0	%100
66	M92A	Z	-14.185	-14.185	0	%100
67	M93	X	0	0	0	%100
68	M93	Z	-4.816	-4.816	0	%100
69	M95	X	0	0	0	%100
70	M95	Z	-5.072	-5.072	0	%100
71	M82A	X	0	0	0	%100
72	M82A	Z	-2.758	-2.758	0	%100
73	M91B	X	0	0	0	%100
74	M91B	Z	-2.758	-2.758	0	%100
75	M98A	X	0	0	0	%100
76	M98A	Z	-8.299	-8.299	0	%100
77	M99A	X	0	0	0	%100
78	M99A	Z	-8.299	-8.299	0	%100
79	MP5A	X	0	0	0	%100
80	MP5A	Z	-7.486	-7.486	0	%100
81	MP4A	X	0	0	0	%100
82	MP4A	Z	-7.486	-7.486	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	-7.486	-7.486	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	-7.486	-7.486	0	%100
87	MP2A	X	0	0	0	%100
88	MP2A	Z	-9.062	-9.062	0	%100
89	MP5C	X	0	0	0	%100
90	MP5C	Z	-7.486	-7.486	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	-7.486	-7.486	0	%100
93	MP3C	X	0	0	0	%100
94	MP3C	Z	-7.486	-7.486	0	%100
95	MP1C	X	0	0	0	%100
96	MP1C	Z	-7.486	-7.486	0	%100
97	MP2C	X	0	0	0	%100
98	MP2C	Z	-9.062	-9.062	0	%100
99	MP5B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
88	MP2A	Z	-7.848	-7.848	0	%100
89	MP5C	X	3.743	3.743	0	%100
90	MP5C	Z	-6.483	-6.483	0	%100
91	MP4C	X	3.743	3.743	0	%100
92	MP4C	Z	-6.483	-6.483	0	%100
93	MP3C	X	3.743	3.743	0	%100
94	MP3C	Z	-6.483	-6.483	0	%100
95	MP1C	X	3.743	3.743	0	%100
96	MP1C	Z	-6.483	-6.483	0	%100
97	MP2C	X	4.531	4.531	0	%100
98	MP2C	Z	-7.848	-7.848	0	%100
99	MP5B	X	3.743	3.743	0	%100
100	MP5B	Z	-6.483	-6.483	0	%100
101	MP4B	X	3.743	3.743	0	%100
102	MP4B	Z	-6.483	-6.483	0	%100
103	MP3B	X	3.743	3.743	0	%100
104	MP3B	Z	-6.483	-6.483	0	%100
105	MP1B	X	3.743	3.743	0	%100
106	MP1B	Z	-6.483	-6.483	0	%100
107	MP2B	X	4.531	4.531	0	%100
108	MP2B	Z	-7.848	-7.848	0	%100
109	OVP	X	3.411	3.411	0	%100
110	OVP	Z	-5.908	-5.908	0	%100
111	M108	X	3.398	3.398	0	%100
112	M108	Z	-5.886	-5.886	0	%100
113	M109	X	3.398	3.398	0	%100
114	M109	Z	-5.886	-5.886	0	%100
115	M110	X	0	0	0	%100
116	M110	Z	0	0	0	%100
117	M132	X	3.907	3.907	0	%100
118	M132	Z	-6.767	-6.767	0	%100
119	M133	X	3.907	3.907	0	%100
120	M133	Z	-6.767	-6.767	0	%100
121	M134	X	0	0	0	%100
122	M134	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	2.389	2.389	0	%100
2	M1	Z	-1.379	-1.379	0	%100
3	M4	X	7.187	7.187	0	%100
4	M4	Z	-4.149	-4.149	0	%100
5	M10	X	2.053	2.053	0	%100
6	M10	Z	-1.185	-1.185	0	%100
7	M43	X	2.053	2.053	0	%100
8	M43	Z	-1.185	-1.185	0	%100
9	M46	X	4.095	4.095	0	%100
10	M46	Z	-2.364	-2.364	0	%100
11	M51B	X	9.095	9.095	0	%100
12	M51B	Z	-5.251	-5.251	0	%100
13	M52B	X	2.274	2.274	0	%100
14	M52B	Z	-1.313	-1.313	0	%100
15	M76	X	12.284	12.284	0	%100
16	M76	Z	-7.092	-7.092	0	%100
17	M77	X	16.682	16.682	0	%100
18	M77	Z	-9.631	-9.631	0	%100



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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, %]
19	M80	X	17.571	17.571	0	%100
20	M80	Z	-10.145	-10.145	0	%100
21	M84	X	12.284	12.284	0	%100
22	M84	Z	-7.092	-7.092	0	%100
23	M85	X	4.171	4.171	0	%100
24	M85	Z	-2.408	-2.408	0	%100
25	M91	X	4.393	4.393	0	%100
26	M91	Z	-2.536	-2.536	0	%100
27	M53	X	8.212	8.212	0	%100
28	M53	Z	-4.741	-4.741	0	%100
29	M54	X	8.212	8.212	0	%100
30	M54	Z	-4.741	-4.741	0	%100
31	M55	X	16.379	16.379	0	%100
32	M55	Z	-9.456	-9.456	0	%100
33	M58A	X	2.274	2.274	0	%100
34	M58A	Z	-1.313	-1.313	0	%100
35	M59A	X	2.274	2.274	0	%100
36	M59A	Z	-1.313	-1.313	0	%100
37	M63	X	0	0	0	%100
38	M63	Z	0	0	0	%100
39	M64	X	4.171	4.171	0	%100
40	M64	Z	-2.408	-2.408	0	%100
41	M66	X	4.393	4.393	0	%100
42	M66	Z	-2.536	-2.536	0	%100
43	M68	X	0	0	0	%100
44	M68	Z	0	0	0	%100
45	M69	X	4.171	4.171	0	%100
46	M69	Z	-2.408	-2.408	0	%100
47	M71	X	4.393	4.393	0	%100
48	M71	Z	-2.536	-2.536	0	%100
49	M77A	X	2.053	2.053	0	%100
50	M77A	Z	-1.185	-1.185	0	%100
51	M78	X	2.053	2.053	0	%100
52	M78	Z	-1.185	-1.185	0	%100
53	M79A	X	4.095	4.095	0	%100
54	M79A	Z	-2.364	-2.364	0	%100
55	M82	X	2.274	2.274	0	%100
56	M82	Z	-1.313	-1.313	0	%100
57	M83A	X	9.095	9.095	0	%100
58	M83A	Z	-5.251	-5.251	0	%100
59	M87	X	12.284	12.284	0	%100
60	M87	Z	-7.092	-7.092	0	%100
61	M88A	X	4.171	4.171	0	%100
62	M88A	Z	-2.408	-2.408	0	%100
63	M90	X	4.393	4.393	0	%100
64	M90	Z	-2.536	-2.536	0	%100
65	M92A	X	12.284	12.284	0	%100
66	M92A	Z	-7.092	-7.092	0	%100
67	M93	X	16.682	16.682	0	%100
68	M93	Z	-9.631	-9.631	0	%100
69	M95	X	17.571	17.571	0	%100
70	M95	Z	-10.145	-10.145	0	%100
71	M82A	X	9.554	9.554	0	%100
72	M82A	Z	-5.516	-5.516	0	%100
73	M91B	X	2.389	2.389	0	%100
74	M91B	Z	-1.379	-1.379	0	%100
75	M98A	X	0	0	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]	
7	M43	X	0	0	0	%100
8	M43	Z	0	0	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	0	0	0	%100
11	M51B	X	7.876	7.876	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	7.876	7.876	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	18.913	18.913	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	14.447	14.447	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	15.217	15.217	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	18.913	18.913	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	14.447	14.447	0	%100
24	M85	Z	0	0	0	%100
25	M91	X	15.217	15.217	0	%100
26	M91	Z	0	0	0	%100
27	M53	X	7.111	7.111	0	%100
28	M53	Z	0	0	0	%100
29	M54	X	7.111	7.111	0	%100
30	M54	Z	0	0	0	%100
31	M55	X	14.185	14.185	0	%100
32	M55	Z	0	0	0	%100
33	M58A	X	7.876	7.876	0	%100
34	M58A	Z	0	0	0	%100
35	M59A	X	0	0	0	%100
36	M59A	Z	0	0	0	%100
37	M63	X	4.728	4.728	0	%100
38	M63	Z	0	0	0	%100
39	M64	X	14.447	14.447	0	%100
40	M64	Z	0	0	0	%100
41	M66	X	15.217	15.217	0	%100
42	M66	Z	0	0	0	%100
43	M68	X	4.728	4.728	0	%100
44	M68	Z	0	0	0	%100
45	M69	X	0	0	0	%100
46	M69	Z	0	0	0	%100
47	M71	X	0	0	0	%100
48	M71	Z	0	0	0	%100
49	M77A	X	7.111	7.111	0	%100
50	M77A	Z	0	0	0	%100
51	M78	X	7.111	7.111	0	%100
52	M78	Z	0	0	0	%100
53	M79A	X	14.185	14.185	0	%100
54	M79A	Z	0	0	0	%100
55	M82	X	0	0	0	%100
56	M82	Z	0	0	0	%100
57	M83A	X	7.876	7.876	0	%100
58	M83A	Z	0	0	0	%100
59	M87	X	4.728	4.728	0	%100
60	M87	Z	0	0	0	%100
61	M88A	X	0	0	0	%100
62	M88A	Z	0	0	0	%100
63	M90	X	0	0	0	%100



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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, %]	
64	M90	Z	0	0	0	%100
65	M92A	X	4.728	4.728	0	%100
66	M92A	Z	0	0	0	%100
67	M93	X	14.447	14.447	0	%100
68	M93	Z	0	0	0	%100
69	M95	X	15.217	15.217	0	%100
70	M95	Z	0	0	0	%100
71	M82A	X	8.274	8.274	0	%100
72	M82A	Z	0	0	0	%100
73	M91B	X	8.274	8.274	0	%100
74	M91B	Z	0	0	0	%100
75	M98A	X	2.766	2.766	0	%100
76	M98A	Z	0	0	0	%100
77	M99A	X	2.766	2.766	0	%100
78	M99A	Z	0	0	0	%100
79	MP5A	X	7.486	7.486	0	%100
80	MP5A	Z	0	0	0	%100
81	MP4A	X	7.486	7.486	0	%100
82	MP4A	Z	0	0	0	%100
83	MP3A	X	7.486	7.486	0	%100
84	MP3A	Z	0	0	0	%100
85	MP1A	X	7.486	7.486	0	%100
86	MP1A	Z	0	0	0	%100
87	MP2A	X	9.062	9.062	0	%100
88	MP2A	Z	0	0	0	%100
89	MP5C	X	7.486	7.486	0	%100
90	MP5C	Z	0	0	0	%100
91	MP4C	X	7.486	7.486	0	%100
92	MP4C	Z	0	0	0	%100
93	MP3C	X	7.486	7.486	0	%100
94	MP3C	Z	0	0	0	%100
95	MP1C	X	7.486	7.486	0	%100
96	MP1C	Z	0	0	0	%100
97	MP2C	X	9.062	9.062	0	%100
98	MP2C	Z	0	0	0	%100
99	MP5B	X	7.486	7.486	0	%100
100	MP5B	Z	0	0	0	%100
101	MP4B	X	7.486	7.486	0	%100
102	MP4B	Z	0	0	0	%100
103	MP3B	X	7.486	7.486	0	%100
104	MP3B	Z	0	0	0	%100
105	MP1B	X	7.486	7.486	0	%100
106	MP1B	Z	0	0	0	%100
107	MP2B	X	9.062	9.062	0	%100
108	MP2B	Z	0	0	0	%100
109	OVP	X	6.822	6.822	0	%100
110	OVP	Z	0	0	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	0	0	0	%100
113	M109	X	6.797	6.797	0	%100
114	M109	Z	0	0	0	%100
115	M110	X	6.797	6.797	0	%100
116	M110	Z	0	0	0	%100
117	M132	X	7.813	7.813	0	%100
118	M132	Z	0	0	0	%100
119	M133	X	0	0	0	%100
120	M133	Z	0	0	0	%100



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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, %]
121	M134	X	7.813	7.813	0	%100
122	M134	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	2.389	2.389	0	%100
2	M1	Z	1.379	1.379	0	%100
3	M4	X	7.187	7.187	0	%100
4	M4	Z	4.149	4.149	0	%100
5	M10	X	2.053	2.053	0	%100
6	M10	Z	1.185	1.185	0	%100
7	M43	X	2.053	2.053	0	%100
8	M43	Z	1.185	1.185	0	%100
9	M46	X	4.095	4.095	0	%100
10	M46	Z	2.364	2.364	0	%100
11	M51B	X	2.274	2.274	0	%100
12	M51B	Z	1.313	1.313	0	%100
13	M52B	X	9.095	9.095	0	%100
14	M52B	Z	5.251	5.251	0	%100
15	M76	X	12.284	12.284	0	%100
16	M76	Z	7.092	7.092	0	%100
17	M77	X	4.171	4.171	0	%100
18	M77	Z	2.408	2.408	0	%100
19	M80	X	4.393	4.393	0	%100
20	M80	Z	2.536	2.536	0	%100
21	M84	X	12.284	12.284	0	%100
22	M84	Z	7.092	7.092	0	%100
23	M85	X	16.682	16.682	0	%100
24	M85	Z	9.631	9.631	0	%100
25	M91	X	17.571	17.571	0	%100
26	M91	Z	10.145	10.145	0	%100
27	M53	X	2.053	2.053	0	%100
28	M53	Z	1.185	1.185	0	%100
29	M54	X	2.053	2.053	0	%100
30	M54	Z	1.185	1.185	0	%100
31	M55	X	4.095	4.095	0	%100
32	M55	Z	2.364	2.364	0	%100
33	M58A	X	9.095	9.095	0	%100
34	M58A	Z	5.251	5.251	0	%100
35	M59A	X	2.274	2.274	0	%100
36	M59A	Z	1.313	1.313	0	%100
37	M63	X	12.284	12.284	0	%100
38	M63	Z	7.092	7.092	0	%100
39	M64	X	16.682	16.682	0	%100
40	M64	Z	9.631	9.631	0	%100
41	M66	X	17.571	17.571	0	%100
42	M66	Z	10.145	10.145	0	%100
43	M68	X	12.284	12.284	0	%100
44	M68	Z	7.092	7.092	0	%100
45	M69	X	4.171	4.171	0	%100
46	M69	Z	2.408	2.408	0	%100
47	M71	X	4.393	4.393	0	%100
48	M71	Z	2.536	2.536	0	%100
49	M77A	X	8.212	8.212	0	%100
50	M77A	Z	4.741	4.741	0	%100
51	M78	X	8.212	8.212	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, %]
109	OVP	X	5.908	5.908	0	%100
110	OVP	Z	3.411	3.411	0	%100
111	M108	X	1.962	1.962	0	%100
112	M108	Z	1.133	1.133	0	%100
113	M109	X	1.962	1.962	0	%100
114	M109	Z	1.133	1.133	0	%100
115	M110	X	7.848	7.848	0	%100
116	M110	Z	4.531	4.531	0	%100
117	M132	X	2.256	2.256	0	%100
118	M132	Z	1.302	1.302	0	%100
119	M133	X	2.256	2.256	0	%100
120	M133	Z	1.302	1.302	0	%100
121	M134	X	9.022	9.022	0	%100
122	M134	Z	5.209	5.209	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	4.137	4.137	0	%100
2	M1	Z	7.166	7.166	0	%100
3	M4	X	1.383	1.383	0	%100
4	M4	Z	2.396	2.396	0	%100
5	M10	X	3.556	3.556	0	%100
6	M10	Z	6.159	6.159	0	%100
7	M43	X	3.556	3.556	0	%100
8	M43	Z	6.159	6.159	0	%100
9	M46	X	7.092	7.092	0	%100
10	M46	Z	12.284	12.284	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	3.938	3.938	0	%100
14	M52B	Z	6.821	6.821	0	%100
15	M76	X	2.364	2.364	0	%100
16	M76	Z	4.095	4.095	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	2.364	2.364	0	%100
22	M84	Z	4.095	4.095	0	%100
23	M85	X	7.224	7.224	0	%100
24	M85	Z	12.512	12.512	0	%100
25	M91	X	7.608	7.608	0	%100
26	M91	Z	13.178	13.178	0	%100
27	M53	X	0	0	0	%100
28	M53	Z	0	0	0	%100
29	M54	X	0	0	0	%100
30	M54	Z	0	0	0	%100
31	M55	X	0	0	0	%100
32	M55	Z	0	0	0	%100
33	M58A	X	3.938	3.938	0	%100
34	M58A	Z	6.821	6.821	0	%100
35	M59A	X	3.938	3.938	0	%100
36	M59A	Z	6.821	6.821	0	%100
37	M63	X	9.456	9.456	0	%100
38	M63	Z	16.379	16.379	0	%100
39	M64	X	7.224	7.224	0	%100



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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,%]
40	M64	Z	12.512	12.512	0	%100
41	M66	X	7.608	7.608	0	%100
42	M66	Z	13.178	13.178	0	%100
43	M68	X	9.456	9.456	0	%100
44	M68	Z	16.379	16.379	0	%100
45	M69	X	7.224	7.224	0	%100
46	M69	Z	12.512	12.512	0	%100
47	M71	X	7.608	7.608	0	%100
48	M71	Z	13.178	13.178	0	%100
49	M77A	X	3.556	3.556	0	%100
50	M77A	Z	6.159	6.159	0	%100
51	M78	X	3.556	3.556	0	%100
52	M78	Z	6.159	6.159	0	%100
53	M79A	X	7.092	7.092	0	%100
54	M79A	Z	12.284	12.284	0	%100
55	M82	X	3.938	3.938	0	%100
56	M82	Z	6.821	6.821	0	%100
57	M83A	X	0	0	0	%100
58	M83A	Z	0	0	0	%100
59	M87	X	2.364	2.364	0	%100
60	M87	Z	4.095	4.095	0	%100
61	M88A	X	7.224	7.224	0	%100
62	M88A	Z	12.512	12.512	0	%100
63	M90	X	7.608	7.608	0	%100
64	M90	Z	13.178	13.178	0	%100
65	M92A	X	2.364	2.364	0	%100
66	M92A	Z	4.095	4.095	0	%100
67	M93	X	0	0	0	%100
68	M93	Z	0	0	0	%100
69	M95	X	0	0	0	%100
70	M95	Z	0	0	0	%100
71	M82A	X	0	0	0	%100
72	M82A	Z	0	0	0	%100
73	M91B	X	4.137	4.137	0	%100
74	M91B	Z	7.166	7.166	0	%100
75	M98A	X	5.533	5.533	0	%100
76	M98A	Z	9.583	9.583	0	%100
77	M99A	X	1.383	1.383	0	%100
78	M99A	Z	2.396	2.396	0	%100
79	MP5A	X	3.743	3.743	0	%100
80	MP5A	Z	6.483	6.483	0	%100
81	MP4A	X	3.743	3.743	0	%100
82	MP4A	Z	6.483	6.483	0	%100
83	MP3A	X	3.743	3.743	0	%100
84	MP3A	Z	6.483	6.483	0	%100
85	MP1A	X	3.743	3.743	0	%100
86	MP1A	Z	6.483	6.483	0	%100
87	MP2A	X	4.531	4.531	0	%100
88	MP2A	Z	7.848	7.848	0	%100
89	MP5C	X	3.743	3.743	0	%100
90	MP5C	Z	6.483	6.483	0	%100
91	MP4C	X	3.743	3.743	0	%100
92	MP4C	Z	6.483	6.483	0	%100
93	MP3C	X	3.743	3.743	0	%100
94	MP3C	Z	6.483	6.483	0	%100
95	MP1C	X	3.743	3.743	0	%100
96	MP1C	Z	6.483	6.483	0	%100



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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,%]
28	M53	Z	2.37	2.37	0	%100
29	M54	X	0	0	0	%100
30	M54	Z	2.37	2.37	0	%100
31	M55	X	0	0	0	%100
32	M55	Z	4.728	4.728	0	%100
33	M58A	X	0	0	0	%100
34	M58A	Z	2.625	2.625	0	%100
35	M59A	X	0	0	0	%100
36	M59A	Z	10.502	10.502	0	%100
37	M63	X	0	0	0	%100
38	M63	Z	14.185	14.185	0	%100
39	M64	X	0	0	0	%100
40	M64	Z	4.816	4.816	0	%100
41	M66	X	0	0	0	%100
42	M66	Z	5.072	5.072	0	%100
43	M68	X	0	0	0	%100
44	M68	Z	14.185	14.185	0	%100
45	M69	X	0	0	0	%100
46	M69	Z	19.263	19.263	0	%100
47	M71	X	0	0	0	%100
48	M71	Z	20.289	20.289	0	%100
49	M77A	X	0	0	0	%100
50	M77A	Z	2.37	2.37	0	%100
51	M78	X	0	0	0	%100
52	M78	Z	2.37	2.37	0	%100
53	M79A	X	0	0	0	%100
54	M79A	Z	4.728	4.728	0	%100
55	M82	X	0	0	0	%100
56	M82	Z	10.502	10.502	0	%100
57	M83A	X	0	0	0	%100
58	M83A	Z	2.625	2.625	0	%100
59	M87	X	0	0	0	%100
60	M87	Z	14.185	14.185	0	%100
61	M88A	X	0	0	0	%100
62	M88A	Z	19.263	19.263	0	%100
63	M90	X	0	0	0	%100
64	M90	Z	20.289	20.289	0	%100
65	M92A	X	0	0	0	%100
66	M92A	Z	14.185	14.185	0	%100
67	M93	X	0	0	0	%100
68	M93	Z	4.816	4.816	0	%100
69	M95	X	0	0	0	%100
70	M95	Z	5.072	5.072	0	%100
71	M82A	X	0	0	0	%100
72	M82A	Z	2.758	2.758	0	%100
73	M91B	X	0	0	0	%100
74	M91B	Z	2.758	2.758	0	%100
75	M98A	X	0	0	0	%100
76	M98A	Z	8.299	8.299	0	%100
77	M99A	X	0	0	0	%100
78	M99A	Z	8.299	8.299	0	%100
79	MP5A	X	0	0	0	%100
80	MP5A	Z	7.486	7.486	0	%100
81	MP4A	X	0	0	0	%100
82	MP4A	Z	7.486	7.486	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	7.486	7.486	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, %]
85	MP1A	X	0	0	0	%100
86	MP1A	Z	7.486	7.486	0	%100
87	MP2A	X	0	0	0	%100
88	MP2A	Z	9.062	9.062	0	%100
89	MP5C	X	0	0	0	%100
90	MP5C	Z	7.486	7.486	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	7.486	7.486	0	%100
93	MP3C	X	0	0	0	%100
94	MP3C	Z	7.486	7.486	0	%100
95	MP1C	X	0	0	0	%100
96	MP1C	Z	7.486	7.486	0	%100
97	MP2C	X	0	0	0	%100
98	MP2C	Z	9.062	9.062	0	%100
99	MP5B	X	0	0	0	%100
100	MP5B	Z	7.486	7.486	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	7.486	7.486	0	%100
103	MP3B	X	0	0	0	%100
104	MP3B	Z	7.486	7.486	0	%100
105	MP1B	X	0	0	0	%100
106	MP1B	Z	7.486	7.486	0	%100
107	MP2B	X	0	0	0	%100
108	MP2B	Z	9.062	9.062	0	%100
109	OVP	X	0	0	0	%100
110	OVP	Z	6.822	6.822	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	9.062	9.062	0	%100
113	M109	X	0	0	0	%100
114	M109	Z	2.266	2.266	0	%100
115	M110	X	0	0	0	%100
116	M110	Z	2.266	2.266	0	%100
117	M132	X	0	0	0	%100
118	M132	Z	2.604	2.604	0	%100
119	M133	X	0	0	0	%100
120	M133	Z	10.418	10.418	0	%100
121	M134	X	0	0	0	%100
122	M134	Z	2.604	2.604	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	-4.137	-4.137	0	%100
2	M1	Z	7.166	7.166	0	%100
3	M4	X	-1.383	-1.383	0	%100
4	M4	Z	2.396	2.396	0	%100
5	M10	X	-3.556	-3.556	0	%100
6	M10	Z	6.159	6.159	0	%100
7	M43	X	-3.556	-3.556	0	%100
8	M43	Z	6.159	6.159	0	%100
9	M46	X	-7.092	-7.092	0	%100
10	M46	Z	12.284	12.284	0	%100
11	M51B	X	-3.938	-3.938	0	%100
12	M51B	Z	6.821	6.821	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	-2.364	-2.364	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, %]
61	M88A	X	-4.171	-4.171	0 %100
62	M88A	Z	2.408	2.408	0 %100
63	M90	X	-4.393	-4.393	0 %100
64	M90	Z	2.536	2.536	0 %100
65	M92A	X	-12.284	-12.284	0 %100
66	M92A	Z	7.092	7.092	0 %100
67	M93	X	-16.682	-16.682	0 %100
68	M93	Z	9.631	9.631	0 %100
69	M95	X	-17.571	-17.571	0 %100
70	M95	Z	10.145	10.145	0 %100
71	M82A	X	-9.554	-9.554	0 %100
72	M82A	Z	5.516	5.516	0 %100
73	M91B	X	-2.389	-2.389	0 %100
74	M91B	Z	1.379	1.379	0 %100
75	M98A	X	0	0	0 %100
76	M98A	Z	0	0	0 %100
77	M99A	X	-7.187	-7.187	0 %100
78	M99A	Z	4.149	4.149	0 %100
79	MP5A	X	-6.483	-6.483	0 %100
80	MP5A	Z	3.743	3.743	0 %100
81	MP4A	X	-6.483	-6.483	0 %100
82	MP4A	Z	3.743	3.743	0 %100
83	MP3A	X	-6.483	-6.483	0 %100
84	MP3A	Z	3.743	3.743	0 %100
85	MP1A	X	-6.483	-6.483	0 %100
86	MP1A	Z	3.743	3.743	0 %100
87	MP2A	X	-7.848	-7.848	0 %100
88	MP2A	Z	4.531	4.531	0 %100
89	MP5C	X	-6.483	-6.483	0 %100
90	MP5C	Z	3.743	3.743	0 %100
91	MP4C	X	-6.483	-6.483	0 %100
92	MP4C	Z	3.743	3.743	0 %100
93	MP3C	X	-6.483	-6.483	0 %100
94	MP3C	Z	3.743	3.743	0 %100
95	MP1C	X	-6.483	-6.483	0 %100
96	MP1C	Z	3.743	3.743	0 %100
97	MP2C	X	-7.848	-7.848	0 %100
98	MP2C	Z	4.531	4.531	0 %100
99	MP5B	X	-6.483	-6.483	0 %100
100	MP5B	Z	3.743	3.743	0 %100
101	MP4B	X	-6.483	-6.483	0 %100
102	MP4B	Z	3.743	3.743	0 %100
103	MP3B	X	-6.483	-6.483	0 %100
104	MP3B	Z	3.743	3.743	0 %100
105	MP1B	X	-6.483	-6.483	0 %100
106	MP1B	Z	3.743	3.743	0 %100
107	MP2B	X	-7.848	-7.848	0 %100
108	MP2B	Z	4.531	4.531	0 %100
109	OVP	X	-5.908	-5.908	0 %100
110	OVP	Z	3.411	3.411	0 %100
111	M108	X	-1.962	-1.962	0 %100
112	M108	Z	1.133	1.133	0 %100
113	M109	X	-7.848	-7.848	0 %100
114	M109	Z	4.531	4.531	0 %100
115	M110	X	-1.962	-1.962	0 %100
116	M110	Z	1.133	1.133	0 %100
117	M132	X	-9.022	-9.022	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, %]
49	M77A	X	-7.111	-7.111	0 %100
50	M77A	Z	0	0	0 %100
51	M78	X	-7.111	-7.111	0 %100
52	M78	Z	0	0	0 %100
53	M79A	X	-14.185	-14.185	0 %100
54	M79A	Z	0	0	0 %100
55	M82	X	0	0	0 %100
56	M82	Z	0	0	0 %100
57	M83A	X	-7.876	-7.876	0 %100
58	M83A	Z	0	0	0 %100
59	M87	X	-4.728	-4.728	0 %100
60	M87	Z	0	0	0 %100
61	M88A	X	0	0	0 %100
62	M88A	Z	0	0	0 %100
63	M90	X	0	0	0 %100
64	M90	Z	0	0	0 %100
65	M92A	X	-4.728	-4.728	0 %100
66	M92A	Z	0	0	0 %100
67	M93	X	-14.447	-14.447	0 %100
68	M93	Z	0	0	0 %100
69	M95	X	-15.217	-15.217	0 %100
70	M95	Z	0	0	0 %100
71	M82A	X	-8.274	-8.274	0 %100
72	M82A	Z	0	0	0 %100
73	M91B	X	-8.274	-8.274	0 %100
74	M91B	Z	0	0	0 %100
75	M98A	X	-2.766	-2.766	0 %100
76	M98A	Z	0	0	0 %100
77	M99A	X	-2.766	-2.766	0 %100
78	M99A	Z	0	0	0 %100
79	MP5A	X	-7.486	-7.486	0 %100
80	MP5A	Z	0	0	0 %100
81	MP4A	X	-7.486	-7.486	0 %100
82	MP4A	Z	0	0	0 %100
83	MP3A	X	-7.486	-7.486	0 %100
84	MP3A	Z	0	0	0 %100
85	MP1A	X	-7.486	-7.486	0 %100
86	MP1A	Z	0	0	0 %100
87	MP2A	X	-9.062	-9.062	0 %100
88	MP2A	Z	0	0	0 %100
89	MP5C	X	-7.486	-7.486	0 %100
90	MP5C	Z	0	0	0 %100
91	MP4C	X	-7.486	-7.486	0 %100
92	MP4C	Z	0	0	0 %100
93	MP3C	X	-7.486	-7.486	0 %100
94	MP3C	Z	0	0	0 %100
95	MP1C	X	-7.486	-7.486	0 %100
96	MP1C	Z	0	0	0 %100
97	MP2C	X	-9.062	-9.062	0 %100
98	MP2C	Z	0	0	0 %100
99	MP5B	X	-7.486	-7.486	0 %100
100	MP5B	Z	0	0	0 %100
101	MP4B	X	-7.486	-7.486	0 %100
102	MP4B	Z	0	0	0 %100
103	MP3B	X	-7.486	-7.486	0 %100
104	MP3B	Z	0	0	0 %100
105	MP1B	X	-7.486	-7.486	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, %]
106	MP1B	Z	0	0	0	%100
107	MP2B	X	-9.062	-9.062	0	%100
108	MP2B	Z	0	0	0	%100
109	OVP	X	-6.822	-6.822	0	%100
110	OVP	Z	0	0	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	0	0	0	%100
113	M109	X	-6.797	-6.797	0	%100
114	M109	Z	0	0	0	%100
115	M110	X	-6.797	-6.797	0	%100
116	M110	Z	0	0	0	%100
117	M132	X	-7.813	-7.813	0	%100
118	M132	Z	0	0	0	%100
119	M133	X	0	0	0	%100
120	M133	Z	0	0	0	%100
121	M134	X	-7.813	-7.813	0	%100
122	M134	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-2.389	-2.389	0	%100
2	M1	Z	-1.379	-1.379	0	%100
3	M4	X	-7.187	-7.187	0	%100
4	M4	Z	-4.149	-4.149	0	%100
5	M10	X	-2.053	-2.053	0	%100
6	M10	Z	-1.185	-1.185	0	%100
7	M43	X	-2.053	-2.053	0	%100
8	M43	Z	-1.185	-1.185	0	%100
9	M46	X	-4.095	-4.095	0	%100
10	M46	Z	-2.364	-2.364	0	%100
11	M51B	X	-2.274	-2.274	0	%100
12	M51B	Z	-1.313	-1.313	0	%100
13	M52B	X	-9.095	-9.095	0	%100
14	M52B	Z	-5.251	-5.251	0	%100
15	M76	X	-12.284	-12.284	0	%100
16	M76	Z	-7.092	-7.092	0	%100
17	M77	X	-4.171	-4.171	0	%100
18	M77	Z	-2.408	-2.408	0	%100
19	M80	X	-4.393	-4.393	0	%100
20	M80	Z	-2.536	-2.536	0	%100
21	M84	X	-12.284	-12.284	0	%100
22	M84	Z	-7.092	-7.092	0	%100
23	M85	X	-16.682	-16.682	0	%100
24	M85	Z	-9.631	-9.631	0	%100
25	M91	X	-17.571	-17.571	0	%100
26	M91	Z	-10.145	-10.145	0	%100
27	M53	X	-2.053	-2.053	0	%100
28	M53	Z	-1.185	-1.185	0	%100
29	M54	X	-2.053	-2.053	0	%100
30	M54	Z	-1.185	-1.185	0	%100
31	M55	X	-4.095	-4.095	0	%100
32	M55	Z	-2.364	-2.364	0	%100
33	M58A	X	-9.095	-9.095	0	%100
34	M58A	Z	-5.251	-5.251	0	%100
35	M59A	X	-2.274	-2.274	0	%100
36	M59A	Z	-1.313	-1.313	0	%100



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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, %]
37	M63	X	-12.284	-12.284	0 %100
38	M63	Z	-7.092	-7.092	0 %100
39	M64	X	-16.682	-16.682	0 %100
40	M64	Z	-9.631	-9.631	0 %100
41	M66	X	-17.571	-17.571	0 %100
42	M66	Z	-10.145	-10.145	0 %100
43	M68	X	-12.284	-12.284	0 %100
44	M68	Z	-7.092	-7.092	0 %100
45	M69	X	-4.171	-4.171	0 %100
46	M69	Z	-2.408	-2.408	0 %100
47	M71	X	-4.393	-4.393	0 %100
48	M71	Z	-2.536	-2.536	0 %100
49	M77A	X	-8.212	-8.212	0 %100
50	M77A	Z	-4.741	-4.741	0 %100
51	M78	X	-8.212	-8.212	0 %100
52	M78	Z	-4.741	-4.741	0 %100
53	M79A	X	-16.379	-16.379	0 %100
54	M79A	Z	-9.456	-9.456	0 %100
55	M82	X	-2.274	-2.274	0 %100
56	M82	Z	-1.313	-1.313	0 %100
57	M83A	X	-2.274	-2.274	0 %100
58	M83A	Z	-1.313	-1.313	0 %100
59	M87	X	0	0	0 %100
60	M87	Z	0	0	0 %100
61	M88A	X	-4.171	-4.171	0 %100
62	M88A	Z	-2.408	-2.408	0 %100
63	M90	X	-4.393	-4.393	0 %100
64	M90	Z	-2.536	-2.536	0 %100
65	M92A	X	0	0	0 %100
66	M92A	Z	0	0	0 %100
67	M93	X	-4.171	-4.171	0 %100
68	M93	Z	-2.408	-2.408	0 %100
69	M95	X	-4.393	-4.393	0 %100
70	M95	Z	-2.536	-2.536	0 %100
71	M82A	X	-2.389	-2.389	0 %100
72	M82A	Z	-1.379	-1.379	0 %100
73	M91B	X	-9.554	-9.554	0 %100
74	M91B	Z	-5.516	-5.516	0 %100
75	M98A	X	-7.187	-7.187	0 %100
76	M98A	Z	-4.149	-4.149	0 %100
77	M99A	X	0	0	0 %100
78	M99A	Z	0	0	0 %100
79	MP5A	X	-6.483	-6.483	0 %100
80	MP5A	Z	-3.743	-3.743	0 %100
81	MP4A	X	-6.483	-6.483	0 %100
82	MP4A	Z	-3.743	-3.743	0 %100
83	MP3A	X	-6.483	-6.483	0 %100
84	MP3A	Z	-3.743	-3.743	0 %100
85	MP1A	X	-6.483	-6.483	0 %100
86	MP1A	Z	-3.743	-3.743	0 %100
87	MP2A	X	-7.848	-7.848	0 %100
88	MP2A	Z	-4.531	-4.531	0 %100
89	MP5C	X	-6.483	-6.483	0 %100
90	MP5C	Z	-3.743	-3.743	0 %100
91	MP4C	X	-6.483	-6.483	0 %100
92	MP4C	Z	-3.743	-3.743	0 %100
93	MP3C	X	-6.483	-6.483	0 %100



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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, %]
25	M91	X	-7.608	-7.608	0 %100
26	M91	Z	-13.178	-13.178	0 %100
27	M53	X	0	0	0 %100
28	M53	Z	0	0	0 %100
29	M54	X	0	0	0 %100
30	M54	Z	0	0	0 %100
31	M55	X	0	0	0 %100
32	M55	Z	0	0	0 %100
33	M58A	X	-3.938	-3.938	0 %100
34	M58A	Z	-6.821	-6.821	0 %100
35	M59A	X	-3.938	-3.938	0 %100
36	M59A	Z	-6.821	-6.821	0 %100
37	M63	X	-9.456	-9.456	0 %100
38	M63	Z	-16.379	-16.379	0 %100
39	M64	X	-7.224	-7.224	0 %100
40	M64	Z	-12.512	-12.512	0 %100
41	M66	X	-7.608	-7.608	0 %100
42	M66	Z	-13.178	-13.178	0 %100
43	M68	X	-9.456	-9.456	0 %100
44	M68	Z	-16.379	-16.379	0 %100
45	M69	X	-7.224	-7.224	0 %100
46	M69	Z	-12.512	-12.512	0 %100
47	M71	X	-7.608	-7.608	0 %100
48	M71	Z	-13.178	-13.178	0 %100
49	M77A	X	-3.556	-3.556	0 %100
50	M77A	Z	-6.159	-6.159	0 %100
51	M78	X	-3.556	-3.556	0 %100
52	M78	Z	-6.159	-6.159	0 %100
53	M79A	X	-7.092	-7.092	0 %100
54	M79A	Z	-12.284	-12.284	0 %100
55	M82	X	-3.938	-3.938	0 %100
56	M82	Z	-6.821	-6.821	0 %100
57	M83A	X	0	0	0 %100
58	M83A	Z	0	0	0 %100
59	M87	X	-2.364	-2.364	0 %100
60	M87	Z	-4.095	-4.095	0 %100
61	M88A	X	-7.224	-7.224	0 %100
62	M88A	Z	-12.512	-12.512	0 %100
63	M90	X	-7.608	-7.608	0 %100
64	M90	Z	-13.178	-13.178	0 %100
65	M92A	X	-2.364	-2.364	0 %100
66	M92A	Z	-4.095	-4.095	0 %100
67	M93	X	0	0	0 %100
68	M93	Z	0	0	0 %100
69	M95	X	0	0	0 %100
70	M95	Z	0	0	0 %100
71	M82A	X	0	0	0 %100
72	M82A	Z	0	0	0 %100
73	M91B	X	-4.137	-4.137	0 %100
74	M91B	Z	-7.166	-7.166	0 %100
75	M98A	X	-5.533	-5.533	0 %100
76	M98A	Z	-9.583	-9.583	0 %100
77	M99A	X	-1.383	-1.383	0 %100
78	M99A	Z	-2.396	-2.396	0 %100
79	MP5A	X	-3.743	-3.743	0 %100
80	MP5A	Z	-6.483	-6.483	0 %100
81	MP4A	X	-3.743	-3.743	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, %]
82	MP4A	Z	-6.483	-6.483	0	%100
83	MP3A	X	-3.743	-3.743	0	%100
84	MP3A	Z	-6.483	-6.483	0	%100
85	MP1A	X	-3.743	-3.743	0	%100
86	MP1A	Z	-6.483	-6.483	0	%100
87	MP2A	X	-4.531	-4.531	0	%100
88	MP2A	Z	-7.848	-7.848	0	%100
89	MP5C	X	-3.743	-3.743	0	%100
90	MP5C	Z	-6.483	-6.483	0	%100
91	MP4C	X	-3.743	-3.743	0	%100
92	MP4C	Z	-6.483	-6.483	0	%100
93	MP3C	X	-3.743	-3.743	0	%100
94	MP3C	Z	-6.483	-6.483	0	%100
95	MP1C	X	-3.743	-3.743	0	%100
96	MP1C	Z	-6.483	-6.483	0	%100
97	MP2C	X	-4.531	-4.531	0	%100
98	MP2C	Z	-7.848	-7.848	0	%100
99	MP5B	X	-3.743	-3.743	0	%100
100	MP5B	Z	-6.483	-6.483	0	%100
101	MP4B	X	-3.743	-3.743	0	%100
102	MP4B	Z	-6.483	-6.483	0	%100
103	MP3B	X	-3.743	-3.743	0	%100
104	MP3B	Z	-6.483	-6.483	0	%100
105	MP1B	X	-3.743	-3.743	0	%100
106	MP1B	Z	-6.483	-6.483	0	%100
107	MP2B	X	-4.531	-4.531	0	%100
108	MP2B	Z	-7.848	-7.848	0	%100
109	OVP	X	-3.411	-3.411	0	%100
110	OVP	Z	-5.908	-5.908	0	%100
111	M108	X	-3.398	-3.398	0	%100
112	M108	Z	-5.886	-5.886	0	%100
113	M109	X	0	0	0	%100
114	M109	Z	0	0	0	%100
115	M110	X	-3.398	-3.398	0	%100
116	M110	Z	-5.886	-5.886	0	%100
117	M132	X	0	0	0	%100
118	M132	Z	0	0	0	%100
119	M133	X	-3.907	-3.907	0	%100
120	M133	Z	-6.767	-6.767	0	%100
121	M134	X	-3.907	-3.907	0	%100
122	M134	Z	-6.767	-6.767	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	-3.147	-3.147	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-2.597	-2.597	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	-2.597	-2.597	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	-4.07	-4.07	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	-7.748	-7.748	0	%100



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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, %]	
13	M52B	X	0	0	0	%100
14	M52B	Z	-0.748	-0.748	0	%100
15	M76	X	0	0	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	-1.016	-1.016	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	-1.06	-1.06	0	%100
21	M84	X	0	0	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	-1.016	-1.016	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	-1.06	-1.06	0	%100
27	M53	X	0	0	0	%100
28	M53	Z	-0.649	-0.649	0	%100
29	M54	X	0	0	0	%100
30	M54	Z	-0.649	-0.649	0	%100
31	M55	X	0	0	0	%100
32	M55	Z	-1.018	-1.018	0	%100
33	M58A	X	0	0	0	%100
34	M58A	Z	-0.748	-0.748	0	%100
35	M59A	X	0	0	0	%100
36	M59A	Z	-2.991	-2.991	0	%100
37	M63	X	0	0	0	%100
38	M63	Z	-3.001	-3.001	0	%100
39	M64	X	0	0	0	%100
40	M64	Z	-1.016	-1.016	0	%100
41	M66	X	0	0	0	%100
42	M66	Z	-1.06	-1.06	0	%100
43	M68	X	0	0	0	%100
44	M68	Z	-3.001	-3.001	0	%100
45	M69	X	0	0	0	%100
46	M69	Z	-4.063	-4.063	0	%100
47	M71	X	0	0	0	%100
48	M71	Z	-4.241	-4.241	0	%100
49	M77A	X	0	0	0	%100
50	M77A	Z	-0.649	-0.649	0	%100
51	M78	X	0	0	0	%100
52	M78	Z	-0.649	-0.649	0	%100
53	M79A	X	0	0	0	%100
54	M79A	Z	-1.018	-1.018	0	%100
55	M82	X	0	0	0	%100
56	M82	Z	-2.991	-2.991	0	%100
57	M83A	X	0	0	0	%100
58	M83A	Z	-0.748	-0.748	0	%100
59	M87	X	0	0	0	%100
60	M87	Z	-3.001	-3.001	0	%100
61	M88A	X	0	0	0	%100
62	M88A	Z	-4.063	-4.063	0	%100
63	M90	X	0	0	0	%100
64	M90	Z	-4.241	-4.241	0	%100
65	M92A	X	0	0	0	%100
66	M92A	Z	-3.001	-3.001	0	%100
67	M93	X	0	0	0	%100
68	M93	Z	-1.016	-1.016	0	%100
69	M95	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,%]
70	M95	Z	-1.06	-1.06	0 %100
71	M82A	X	0	0	0 %100
72	M82A	Z	-.787	-.787	0 %100
73	M91B	X	0	0	0 %100
74	M91B	Z	-.787	-.787	0 %100
75	M98A	X	0	0	0 %100
76	M98A	Z	-2.365	-2.365	0 %100
77	M99A	X	0	0	0 %100
78	M99A	Z	-2.365	-2.365	0 %100
79	MP5A	X	0	0	0 %100
80	MP5A	Z	-2.531	-2.531	0 %100
81	MP4A	X	0	0	0 %100
82	MP4A	Z	-2.531	-2.531	0 %100
83	MP3A	X	0	0	0 %100
84	MP3A	Z	-2.531	-2.531	0 %100
85	MP1A	X	0	0	0 %100
86	MP1A	Z	-2.531	-2.531	0 %100
87	MP2A	X	0	0	0 %100
88	MP2A	Z	-2.805	-2.805	0 %100
89	MP5C	X	0	0	0 %100
90	MP5C	Z	-2.531	-2.531	0 %100
91	MP4C	X	0	0	0 %100
92	MP4C	Z	-2.531	-2.531	0 %100
93	MP3C	X	0	0	0 %100
94	MP3C	Z	-2.531	-2.531	0 %100
95	MP1C	X	0	0	0 %100
96	MP1C	Z	-2.531	-2.531	0 %100
97	MP2C	X	0	0	0 %100
98	MP2C	Z	-2.805	-2.805	0 %100
99	MP5B	X	0	0	0 %100
100	MP5B	Z	-2.531	-2.531	0 %100
101	MP4B	X	0	0	0 %100
102	MP4B	Z	-2.531	-2.531	0 %100
103	MP3B	X	0	0	0 %100
104	MP3B	Z	-2.531	-2.531	0 %100
105	MP1B	X	0	0	0 %100
106	MP1B	Z	-2.531	-2.531	0 %100
107	MP2B	X	0	0	0 %100
108	MP2B	Z	-2.805	-2.805	0 %100
109	OVP	X	0	0	0 %100
110	OVP	Z	-2.332	-2.332	0 %100
111	M108	X	0	0	0 %100
112	M108	Z	-2.805	-2.805	0 %100
113	M109	X	0	0	0 %100
114	M109	Z	-.701	-.701	0 %100
115	M110	X	0	0	0 %100
116	M110	Z	-.701	-.701	0 %100
117	M132	X	0	0	0 %100
118	M132	Z	-.657	-.657	0 %100
119	M133	X	0	0	0 %100
120	M133	Z	-2.63	-2.63	0 %100
121	M134	X	0	0	0 %100
122	M134	Z	-.657	-.657	0 %100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
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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, %]
1	M1	X	1.18	1.18	0	%100
2	M1	Z	-2.044	-2.044	0	%100
3	M4	X	.394	.394	0	%100
4	M4	Z	-.683	-.683	0	%100
5	M10	X	.974	.974	0	%100
6	M10	Z	-1.686	-1.686	0	%100
7	M43	X	.974	.974	0	%100
8	M43	Z	-1.686	-1.686	0	%100
9	M46	X	1.526	1.526	0	%100
10	M46	Z	-2.644	-2.644	0	%100
11	M51B	X	1.122	1.122	0	%100
12	M51B	Z	-1.943	-1.943	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	.5	.5	0	%100
16	M76	Z	-.866	-.866	0	%100
17	M77	X	1.524	1.524	0	%100
18	M77	Z	-2.639	-2.639	0	%100
19	M80	X	1.59	1.59	0	%100
20	M80	Z	-2.755	-2.755	0	%100
21	M84	X	.5	.5	0	%100
22	M84	Z	-.866	-.866	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	0	0	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	0	0	0	%100
27	M53	X	.974	.974	0	%100
28	M53	Z	-1.686	-1.686	0	%100
29	M54	X	.974	.974	0	%100
30	M54	Z	-1.686	-1.686	0	%100
31	M55	X	1.526	1.526	0	%100
32	M55	Z	-2.644	-2.644	0	%100
33	M58A	X	0	0	0	%100
34	M58A	Z	0	0	0	%100
35	M59A	X	1.122	1.122	0	%100
36	M59A	Z	-1.943	-1.943	0	%100
37	M63	X	.5	.5	0	%100
38	M63	Z	-.866	-.866	0	%100
39	M64	X	0	0	0	%100
40	M64	Z	0	0	0	%100
41	M66	X	0	0	0	%100
42	M66	Z	0	0	0	%100
43	M68	X	.5	.5	0	%100
44	M68	Z	-.866	-.866	0	%100
45	M69	X	1.524	1.524	0	%100
46	M69	Z	-2.639	-2.639	0	%100
47	M71	X	1.59	1.59	0	%100
48	M71	Z	-2.755	-2.755	0	%100
49	M77A	X	0	0	0	%100
50	M77A	Z	0	0	0	%100
51	M78	X	0	0	0	%100
52	M78	Z	0	0	0	%100
53	M79A	X	0	0	0	%100
54	M79A	Z	0	0	0	%100
55	M82	X	1.122	1.122	0	%100
56	M82	Z	-1.943	-1.943	0	%100
57	M83A	X	1.122	1.122	0	%100



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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, %]	
34	M58A	Z	0	0	0	%100
35	M59A	X	0	0	0	%100
36	M59A	Z	0	0	0	%100
37	M63	X	1	1	0	%100
38	M63	Z	0	0	0	%100
39	M64	X	3.047	3.047	0	%100
40	M64	Z	0	0	0	%100
41	M66	X	3.181	3.181	0	%100
42	M66	Z	0	0	0	%100
43	M68	X	1	1	0	%100
44	M68	Z	0	0	0	%100
45	M69	X	0	0	0	%100
46	M69	Z	0	0	0	%100
47	M71	X	0	0	0	%100
48	M71	Z	0	0	0	%100
49	M77A	X	1.947	1.947	0	%100
50	M77A	Z	0	0	0	%100
51	M78	X	1.947	1.947	0	%100
52	M78	Z	0	0	0	%100
53	M79A	X	3.053	3.053	0	%100
54	M79A	Z	0	0	0	%100
55	M82	X	0	0	0	%100
56	M82	Z	0	0	0	%100
57	M83A	X	2.243	2.243	0	%100
58	M83A	Z	0	0	0	%100
59	M87	X	1	1	0	%100
60	M87	Z	0	0	0	%100
61	M88A	X	0	0	0	%100
62	M88A	Z	0	0	0	%100
63	M90	X	0	0	0	%100
64	M90	Z	0	0	0	%100
65	M92A	X	1	1	0	%100
66	M92A	Z	0	0	0	%100
67	M93	X	3.047	3.047	0	%100
68	M93	Z	0	0	0	%100
69	M95	X	3.181	3.181	0	%100
70	M95	Z	0	0	0	%100
71	M82A	X	2.36	2.36	0	%100
72	M82A	Z	0	0	0	%100
73	M91B	X	2.36	2.36	0	%100
74	M91B	Z	0	0	0	%100
75	M98A	X	.788	.788	0	%100
76	M98A	Z	0	0	0	%100
77	M99A	X	.788	.788	0	%100
78	M99A	Z	0	0	0	%100
79	MP5A	X	2.531	2.531	0	%100
80	MP5A	Z	0	0	0	%100
81	MP4A	X	2.531	2.531	0	%100
82	MP4A	Z	0	0	0	%100
83	MP3A	X	2.531	2.531	0	%100
84	MP3A	Z	0	0	0	%100
85	MP1A	X	2.531	2.531	0	%100
86	MP1A	Z	0	0	0	%100
87	MP2A	X	2.805	2.805	0	%100
88	MP2A	Z	0	0	0	%100
89	MP5C	X	2.531	2.531	0	%100
90	MP5C	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, %]
91	MP4C	X	2.531	2.531	0	%100
92	MP4C	Z	0	0	0	%100
93	MP3C	X	2.531	2.531	0	%100
94	MP3C	Z	0	0	0	%100
95	MP1C	X	2.531	2.531	0	%100
96	MP1C	Z	0	0	0	%100
97	MP2C	X	2.805	2.805	0	%100
98	MP2C	Z	0	0	0	%100
99	MP5B	X	2.531	2.531	0	%100
100	MP5B	Z	0	0	0	%100
101	MP4B	X	2.531	2.531	0	%100
102	MP4B	Z	0	0	0	%100
103	MP3B	X	2.531	2.531	0	%100
104	MP3B	Z	0	0	0	%100
105	MP1B	X	2.531	2.531	0	%100
106	MP1B	Z	0	0	0	%100
107	MP2B	X	2.805	2.805	0	%100
108	MP2B	Z	0	0	0	%100
109	OVP	X	2.332	2.332	0	%100
110	OVP	Z	0	0	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	0	0	0	%100
113	M109	X	2.104	2.104	0	%100
114	M109	Z	0	0	0	%100
115	M110	X	2.104	2.104	0	%100
116	M110	Z	0	0	0	%100
117	M132	X	1.972	1.972	0	%100
118	M132	Z	0	0	0	%100
119	M133	X	0	0	0	%100
120	M133	Z	0	0	0	%100
121	M134	X	1.972	1.972	0	%100
122	M134	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	.681	.681	0	%100
2	M1	Z	.393	.393	0	%100
3	M4	X	2.048	2.048	0	%100
4	M4	Z	1.182	1.182	0	%100
5	M10	X	.562	.562	0	%100
6	M10	Z	.325	.325	0	%100
7	M43	X	.562	.562	0	%100
8	M43	Z	.325	.325	0	%100
9	M46	X	.881	.881	0	%100
10	M46	Z	.509	.509	0	%100
11	M51B	X	.648	.648	0	%100
12	M51B	Z	.374	.374	0	%100
13	M52B	X	2.59	2.59	0	%100
14	M52B	Z	1.495	1.495	0	%100
15	M76	X	2.599	2.599	0	%100
16	M76	Z	1.501	1.501	0	%100
17	M77	X	.88	.88	0	%100
18	M77	Z	.508	.508	0	%100
19	M80	X	.918	.918	0	%100
20	M80	Z	.53	.53	0	%100
21	M84	X	2.599	2.599	0	%100



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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, %]
10	M46	Z	2.644	2.644	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	1.122	1.122	0	%100
14	M52B	Z	1.943	1.943	0	%100
15	M76	X	.5	.5	0	%100
16	M76	Z	.866	.866	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	.5	.5	0	%100
22	M84	Z	.866	.866	0	%100
23	M85	X	1.524	1.524	0	%100
24	M85	Z	2.639	2.639	0	%100
25	M91	X	1.59	1.59	0	%100
26	M91	Z	2.755	2.755	0	%100
27	M53	X	0	0	0	%100
28	M53	Z	0	0	0	%100
29	M54	X	0	0	0	%100
30	M54	Z	0	0	0	%100
31	M55	X	0	0	0	%100
32	M55	Z	0	0	0	%100
33	M58A	X	1.122	1.122	0	%100
34	M58A	Z	1.943	1.943	0	%100
35	M59A	X	1.122	1.122	0	%100
36	M59A	Z	1.943	1.943	0	%100
37	M63	X	2.001	2.001	0	%100
38	M63	Z	3.466	3.466	0	%100
39	M64	X	1.524	1.524	0	%100
40	M64	Z	2.639	2.639	0	%100
41	M66	X	1.59	1.59	0	%100
42	M66	Z	2.755	2.755	0	%100
43	M68	X	2.001	2.001	0	%100
44	M68	Z	3.466	3.466	0	%100
45	M69	X	1.524	1.524	0	%100
46	M69	Z	2.639	2.639	0	%100
47	M71	X	1.59	1.59	0	%100
48	M71	Z	2.755	2.755	0	%100
49	M77A	X	.974	.974	0	%100
50	M77A	Z	1.686	1.686	0	%100
51	M78	X	.974	.974	0	%100
52	M78	Z	1.686	1.686	0	%100
53	M79A	X	1.526	1.526	0	%100
54	M79A	Z	2.644	2.644	0	%100
55	M82	X	1.122	1.122	0	%100
56	M82	Z	1.943	1.943	0	%100
57	M83A	X	0	0	0	%100
58	M83A	Z	0	0	0	%100
59	M87	X	.5	.5	0	%100
60	M87	Z	.866	.866	0	%100
61	M88A	X	1.524	1.524	0	%100
62	M88A	Z	2.639	2.639	0	%100
63	M90	X	1.59	1.59	0	%100
64	M90	Z	2.755	2.755	0	%100
65	M92A	X	.5	.5	0	%100
66	M92A	Z	.866	.866	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, %]	
67	M93	X	0	0	0	%100
68	M93	Z	0	0	0	%100
69	M95	X	0	0	0	%100
70	M95	Z	0	0	0	%100
71	M82A	X	0	0	0	%100
72	M82A	Z	0	0	0	%100
73	M91B	X	1.18	1.18	0	%100
74	M91B	Z	2.044	2.044	0	%100
75	M98A	X	1.576	1.576	0	%100
76	M98A	Z	2.73	2.73	0	%100
77	M99A	X	.394	.394	0	%100
78	M99A	Z	.683	.683	0	%100
79	MP5A	X	1.266	1.266	0	%100
80	MP5A	Z	2.192	2.192	0	%100
81	MP4A	X	1.266	1.266	0	%100
82	MP4A	Z	2.192	2.192	0	%100
83	MP3A	X	1.266	1.266	0	%100
84	MP3A	Z	2.192	2.192	0	%100
85	MP1A	X	1.266	1.266	0	%100
86	MP1A	Z	2.192	2.192	0	%100
87	MP2A	X	1.403	1.403	0	%100
88	MP2A	Z	2.429	2.429	0	%100
89	MP5C	X	1.266	1.266	0	%100
90	MP5C	Z	2.192	2.192	0	%100
91	MP4C	X	1.266	1.266	0	%100
92	MP4C	Z	2.192	2.192	0	%100
93	MP3C	X	1.266	1.266	0	%100
94	MP3C	Z	2.192	2.192	0	%100
95	MP1C	X	1.266	1.266	0	%100
96	MP1C	Z	2.192	2.192	0	%100
97	MP2C	X	1.403	1.403	0	%100
98	MP2C	Z	2.429	2.429	0	%100
99	MP5B	X	1.266	1.266	0	%100
100	MP5B	Z	2.192	2.192	0	%100
101	MP4B	X	1.266	1.266	0	%100
102	MP4B	Z	2.192	2.192	0	%100
103	MP3B	X	1.266	1.266	0	%100
104	MP3B	Z	2.192	2.192	0	%100
105	MP1B	X	1.266	1.266	0	%100
106	MP1B	Z	2.192	2.192	0	%100
107	MP2B	X	1.403	1.403	0	%100
108	MP2B	Z	2.429	2.429	0	%100
109	OVP	X	1.166	1.166	0	%100
110	OVP	Z	2.02	2.02	0	%100
111	M108	X	1.052	1.052	0	%100
112	M108	Z	1.822	1.822	0	%100
113	M109	X	0	0	0	%100
114	M109	Z	0	0	0	%100
115	M110	X	1.052	1.052	0	%100
116	M110	Z	1.822	1.822	0	%100
117	M132	X	0	0	0	%100
118	M132	Z	0	0	0	%100
119	M133	X	.986	.986	0	%100
120	M133	Z	1.708	1.708	0	%100
121	M134	X	.986	.986	0	%100
122	M134	Z	1.708	1.708	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	3.147	3.147	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	2.597	2.597	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	2.597	2.597	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	4.07	4.07	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	.748	.748	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	.748	.748	0	%100
15	M76	X	0	0	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	1.016	1.016	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	1.06	1.06	0	%100
21	M84	X	0	0	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	1.016	1.016	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	1.06	1.06	0	%100
27	M53	X	0	0	0	%100
28	M53	Z	.649	.649	0	%100
29	M54	X	0	0	0	%100
30	M54	Z	.649	.649	0	%100
31	M55	X	0	0	0	%100
32	M55	Z	1.018	1.018	0	%100
33	M58A	X	0	0	0	%100
34	M58A	Z	.748	.748	0	%100
35	M59A	X	0	0	0	%100
36	M59A	Z	2.991	2.991	0	%100
37	M63	X	0	0	0	%100
38	M63	Z	3.001	3.001	0	%100
39	M64	X	0	0	0	%100
40	M64	Z	1.016	1.016	0	%100
41	M66	X	0	0	0	%100
42	M66	Z	1.06	1.06	0	%100
43	M68	X	0	0	0	%100
44	M68	Z	3.001	3.001	0	%100
45	M69	X	0	0	0	%100
46	M69	Z	4.063	4.063	0	%100
47	M71	X	0	0	0	%100
48	M71	Z	4.241	4.241	0	%100
49	M77A	X	0	0	0	%100
50	M77A	Z	.649	.649	0	%100
51	M78	X	0	0	0	%100
52	M78	Z	.649	.649	0	%100
53	M79A	X	0	0	0	%100
54	M79A	Z	1.018	1.018	0	%100
55	M82	X	0	0	0	%100
56	M82	Z	2.991	2.991	0	%100
57	M83A	X	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M83A	Z	.748	.748	0 %100
59	M87	X	0	0	0 %100
60	M87	Z	3.001	3.001	0 %100
61	M88A	X	0	0	0 %100
62	M88A	Z	4.063	4.063	0 %100
63	M90	X	0	0	0 %100
64	M90	Z	4.241	4.241	0 %100
65	M92A	X	0	0	0 %100
66	M92A	Z	3.001	3.001	0 %100
67	M93	X	0	0	0 %100
68	M93	Z	1.016	1.016	0 %100
69	M95	X	0	0	0 %100
70	M95	Z	1.06	1.06	0 %100
71	M82A	X	0	0	0 %100
72	M82A	Z	.787	.787	0 %100
73	M91B	X	0	0	0 %100
74	M91B	Z	.787	.787	0 %100
75	M98A	X	0	0	0 %100
76	M98A	Z	2.365	2.365	0 %100
77	M99A	X	0	0	0 %100
78	M99A	Z	2.365	2.365	0 %100
79	MP5A	X	0	0	0 %100
80	MP5A	Z	2.531	2.531	0 %100
81	MP4A	X	0	0	0 %100
82	MP4A	Z	2.531	2.531	0 %100
83	MP3A	X	0	0	0 %100
84	MP3A	Z	2.531	2.531	0 %100
85	MP1A	X	0	0	0 %100
86	MP1A	Z	2.531	2.531	0 %100
87	MP2A	X	0	0	0 %100
88	MP2A	Z	2.805	2.805	0 %100
89	MP5C	X	0	0	0 %100
90	MP5C	Z	2.531	2.531	0 %100
91	MP4C	X	0	0	0 %100
92	MP4C	Z	2.531	2.531	0 %100
93	MP3C	X	0	0	0 %100
94	MP3C	Z	2.531	2.531	0 %100
95	MP1C	X	0	0	0 %100
96	MP1C	Z	2.531	2.531	0 %100
97	MP2C	X	0	0	0 %100
98	MP2C	Z	2.805	2.805	0 %100
99	MP5B	X	0	0	0 %100
100	MP5B	Z	2.531	2.531	0 %100
101	MP4B	X	0	0	0 %100
102	MP4B	Z	2.531	2.531	0 %100
103	MP3B	X	0	0	0 %100
104	MP3B	Z	2.531	2.531	0 %100
105	MP1B	X	0	0	0 %100
106	MP1B	Z	2.531	2.531	0 %100
107	MP2B	X	0	0	0 %100
108	MP2B	Z	2.805	2.805	0 %100
109	OVP	X	0	0	0 %100
110	OVP	Z	2.332	2.332	0 %100
111	M108	X	0	0	0 %100
112	M108	Z	2.805	2.805	0 %100
113	M109	X	0	0	0 %100
114	M109	Z	.701	.701	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
115	M110	X	0	0	0	%100
116	M110	Z	.701	.701	0	%100
117	M132	X	0	0	0	%100
118	M132	Z	.657	.657	0	%100
119	M133	X	0	0	0	%100
120	M133	Z	2.63	2.63	0	%100
121	M134	X	0	0	0	%100
122	M134	Z	.657	.657	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-1.18	-1.18	0	%100
2	M1	Z	2.044	2.044	0	%100
3	M4	X	-.394	-.394	0	%100
4	M4	Z	.683	.683	0	%100
5	M10	X	-.974	-.974	0	%100
6	M10	Z	1.686	1.686	0	%100
7	M43	X	-.974	-.974	0	%100
8	M43	Z	1.686	1.686	0	%100
9	M46	X	-1.526	-1.526	0	%100
10	M46	Z	2.644	2.644	0	%100
11	M51B	X	-1.122	-1.122	0	%100
12	M51B	Z	1.943	1.943	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	-.5	-.5	0	%100
16	M76	Z	.866	.866	0	%100
17	M77	X	-1.524	-1.524	0	%100
18	M77	Z	2.639	2.639	0	%100
19	M80	X	-1.59	-1.59	0	%100
20	M80	Z	2.755	2.755	0	%100
21	M84	X	-.5	-.5	0	%100
22	M84	Z	.866	.866	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	0	0	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	0	0	0	%100
27	M53	X	-.974	-.974	0	%100
28	M53	Z	1.686	1.686	0	%100
29	M54	X	-.974	-.974	0	%100
30	M54	Z	1.686	1.686	0	%100
31	M55	X	-1.526	-1.526	0	%100
32	M55	Z	2.644	2.644	0	%100
33	M58A	X	0	0	0	%100
34	M58A	Z	0	0	0	%100
35	M59A	X	-1.122	-1.122	0	%100
36	M59A	Z	1.943	1.943	0	%100
37	M63	X	-.5	-.5	0	%100
38	M63	Z	.866	.866	0	%100
39	M64	X	0	0	0	%100
40	M64	Z	0	0	0	%100
41	M66	X	0	0	0	%100
42	M66	Z	0	0	0	%100
43	M68	X	-.5	-.5	0	%100
44	M68	Z	.866	.866	0	%100
45	M69	X	-1.524	-1.524	0	%100



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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,%]
46	M69	Z	2.639	2.639	0 %100
47	M71	X	-1.59	-1.59	0 %100
48	M71	Z	2.755	2.755	0 %100
49	M77A	X	0	0	0 %100
50	M77A	Z	0	0	0 %100
51	M78	X	0	0	0 %100
52	M78	Z	0	0	0 %100
53	M79A	X	0	0	0 %100
54	M79A	Z	0	0	0 %100
55	M82	X	-1.122	-1.122	0 %100
56	M82	Z	1.943	1.943	0 %100
57	M83A	X	-1.122	-1.122	0 %100
58	M83A	Z	1.943	1.943	0 %100
59	M87	X	-2.001	-2.001	0 %100
60	M87	Z	3.466	3.466	0 %100
61	M88A	X	-1.524	-1.524	0 %100
62	M88A	Z	2.639	2.639	0 %100
63	M90	X	-1.59	-1.59	0 %100
64	M90	Z	2.755	2.755	0 %100
65	M92A	X	-2.001	-2.001	0 %100
66	M92A	Z	3.466	3.466	0 %100
67	M93	X	-1.524	-1.524	0 %100
68	M93	Z	2.639	2.639	0 %100
69	M95	X	-1.59	-1.59	0 %100
70	M95	Z	2.755	2.755	0 %100
71	M82A	X	-1.18	-1.18	0 %100
72	M82A	Z	2.044	2.044	0 %100
73	M91B	X	0	0	0 %100
74	M91B	Z	0	0	0 %100
75	M98A	X	-.394	-.394	0 %100
76	M98A	Z	.683	.683	0 %100
77	M99A	X	-1.576	-1.576	0 %100
78	M99A	Z	2.73	2.73	0 %100
79	MP5A	X	-1.266	-1.266	0 %100
80	MP5A	Z	2.192	2.192	0 %100
81	MP4A	X	-1.266	-1.266	0 %100
82	MP4A	Z	2.192	2.192	0 %100
83	MP3A	X	-1.266	-1.266	0 %100
84	MP3A	Z	2.192	2.192	0 %100
85	MP1A	X	-1.266	-1.266	0 %100
86	MP1A	Z	2.192	2.192	0 %100
87	MP2A	X	-1.403	-1.403	0 %100
88	MP2A	Z	2.429	2.429	0 %100
89	MP5C	X	-1.266	-1.266	0 %100
90	MP5C	Z	2.192	2.192	0 %100
91	MP4C	X	-1.266	-1.266	0 %100
92	MP4C	Z	2.192	2.192	0 %100
93	MP3C	X	-1.266	-1.266	0 %100
94	MP3C	Z	2.192	2.192	0 %100
95	MP1C	X	-1.266	-1.266	0 %100
96	MP1C	Z	2.192	2.192	0 %100
97	MP2C	X	-1.403	-1.403	0 %100
98	MP2C	Z	2.429	2.429	0 %100
99	MP5B	X	-1.266	-1.266	0 %100
100	MP5B	Z	2.192	2.192	0 %100
101	MP4B	X	-1.266	-1.266	0 %100
102	MP4B	Z	2.192	2.192	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, %]
91	MP4C	X	-2.192	-2.192	0	%100
92	MP4C	Z	1.266	1.266	0	%100
93	MP3C	X	-2.192	-2.192	0	%100
94	MP3C	Z	1.266	1.266	0	%100
95	MP1C	X	-2.192	-2.192	0	%100
96	MP1C	Z	1.266	1.266	0	%100
97	MP2C	X	-2.429	-2.429	0	%100
98	MP2C	Z	1.403	1.403	0	%100
99	MP5B	X	-2.192	-2.192	0	%100
100	MP5B	Z	1.266	1.266	0	%100
101	MP4B	X	-2.192	-2.192	0	%100
102	MP4B	Z	1.266	1.266	0	%100
103	MP3B	X	-2.192	-2.192	0	%100
104	MP3B	Z	1.266	1.266	0	%100
105	MP1B	X	-2.192	-2.192	0	%100
106	MP1B	Z	1.266	1.266	0	%100
107	MP2B	X	-2.429	-2.429	0	%100
108	MP2B	Z	1.403	1.403	0	%100
109	OVP	X	-2.02	-2.02	0	%100
110	OVP	Z	1.166	1.166	0	%100
111	M108	X	-.607	-.607	0	%100
112	M108	Z	.351	.351	0	%100
113	M109	X	-2.429	-2.429	0	%100
114	M109	Z	1.403	1.403	0	%100
115	M110	X	-.607	-.607	0	%100
116	M110	Z	.351	.351	0	%100
117	M132	X	-2.277	-2.277	0	%100
118	M132	Z	1.315	1.315	0	%100
119	M133	X	-.569	-.569	0	%100
120	M133	Z	.329	.329	0	%100
121	M134	X	-.569	-.569	0	%100
122	M134	Z	.329	.329	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	M4	X	-3.153	-3.153	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	0	0	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	0	0	0	%100
11	M51B	X	-2.243	-2.243	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	-2.243	-2.243	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	-4.002	-4.002	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	-3.047	-3.047	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	-3.181	-3.181	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	-4.002	-4.002	0	%100



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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,%]
22	M84	Z	0	0	0	%100
23	M85	X	-3.047	-3.047	0	%100
24	M85	Z	0	0	0	%100
25	M91	X	-3.181	-3.181	0	%100
26	M91	Z	0	0	0	%100
27	M53	X	-1.947	-1.947	0	%100
28	M53	Z	0	0	0	%100
29	M54	X	-1.947	-1.947	0	%100
30	M54	Z	0	0	0	%100
31	M55	X	-3.053	-3.053	0	%100
32	M55	Z	0	0	0	%100
33	M58A	X	-2.243	-2.243	0	%100
34	M58A	Z	0	0	0	%100
35	M59A	X	0	0	0	%100
36	M59A	Z	0	0	0	%100
37	M63	X	-1	-1	0	%100
38	M63	Z	0	0	0	%100
39	M64	X	-3.047	-3.047	0	%100
40	M64	Z	0	0	0	%100
41	M66	X	-3.181	-3.181	0	%100
42	M66	Z	0	0	0	%100
43	M68	X	-1	-1	0	%100
44	M68	Z	0	0	0	%100
45	M69	X	0	0	0	%100
46	M69	Z	0	0	0	%100
47	M71	X	0	0	0	%100
48	M71	Z	0	0	0	%100
49	M77A	X	-1.947	-1.947	0	%100
50	M77A	Z	0	0	0	%100
51	M78	X	-1.947	-1.947	0	%100
52	M78	Z	0	0	0	%100
53	M79A	X	-3.053	-3.053	0	%100
54	M79A	Z	0	0	0	%100
55	M82	X	0	0	0	%100
56	M82	Z	0	0	0	%100
57	M83A	X	-2.243	-2.243	0	%100
58	M83A	Z	0	0	0	%100
59	M87	X	-1	-1	0	%100
60	M87	Z	0	0	0	%100
61	M88A	X	0	0	0	%100
62	M88A	Z	0	0	0	%100
63	M90	X	0	0	0	%100
64	M90	Z	0	0	0	%100
65	M92A	X	-1	-1	0	%100
66	M92A	Z	0	0	0	%100
67	M93	X	-3.047	-3.047	0	%100
68	M93	Z	0	0	0	%100
69	M95	X	-3.181	-3.181	0	%100
70	M95	Z	0	0	0	%100
71	M82A	X	-2.36	-2.36	0	%100
72	M82A	Z	0	0	0	%100
73	M91B	X	-2.36	-2.36	0	%100
74	M91B	Z	0	0	0	%100
75	M98A	X	-.788	-.788	0	%100
76	M98A	Z	0	0	0	%100
77	M99A	X	-.788	-.788	0	%100
78	M99A	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, %]
79	MP5A	X	-2.531	-2.531	0	%100
80	MP5A	Z	0	0	0	%100
81	MP4A	X	-2.531	-2.531	0	%100
82	MP4A	Z	0	0	0	%100
83	MP3A	X	-2.531	-2.531	0	%100
84	MP3A	Z	0	0	0	%100
85	MP1A	X	-2.531	-2.531	0	%100
86	MP1A	Z	0	0	0	%100
87	MP2A	X	-2.805	-2.805	0	%100
88	MP2A	Z	0	0	0	%100
89	MP5C	X	-2.531	-2.531	0	%100
90	MP5C	Z	0	0	0	%100
91	MP4C	X	-2.531	-2.531	0	%100
92	MP4C	Z	0	0	0	%100
93	MP3C	X	-2.531	-2.531	0	%100
94	MP3C	Z	0	0	0	%100
95	MP1C	X	-2.531	-2.531	0	%100
96	MP1C	Z	0	0	0	%100
97	MP2C	X	-2.805	-2.805	0	%100
98	MP2C	Z	0	0	0	%100
99	MP5B	X	-2.531	-2.531	0	%100
100	MP5B	Z	0	0	0	%100
101	MP4B	X	-2.531	-2.531	0	%100
102	MP4B	Z	0	0	0	%100
103	MP3B	X	-2.531	-2.531	0	%100
104	MP3B	Z	0	0	0	%100
105	MP1B	X	-2.531	-2.531	0	%100
106	MP1B	Z	0	0	0	%100
107	MP2B	X	-2.805	-2.805	0	%100
108	MP2B	Z	0	0	0	%100
109	OVP	X	-2.332	-2.332	0	%100
110	OVP	Z	0	0	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	0	0	0	%100
113	M109	X	-2.104	-2.104	0	%100
114	M109	Z	0	0	0	%100
115	M110	X	-2.104	-2.104	0	%100
116	M110	Z	0	0	0	%100
117	M132	X	-1.972	-1.972	0	%100
118	M132	Z	0	0	0	%100
119	M133	X	0	0	0	%100
120	M133	Z	0	0	0	%100
121	M134	X	-1.972	-1.972	0	%100
122	M134	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	-.681	-.681	0	%100
2	M1	Z	-.393	-.393	0	%100
3	M4	X	-2.048	-2.048	0	%100
4	M4	Z	-1.182	-1.182	0	%100
5	M10	X	-.562	-.562	0	%100
6	M10	Z	-.325	-.325	0	%100
7	M43	X	-.562	-.562	0	%100
8	M43	Z	-.325	-.325	0	%100
9	M46	X	-.881	-.881	0	%100



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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	-1.18	-1.18	0	%100
2	M1	Z	-2.044	-2.044	0	%100
3	M4	X	-.394	-.394	0	%100
4	M4	Z	-.683	-.683	0	%100
5	M10	X	-.974	-.974	0	%100
6	M10	Z	-1.686	-1.686	0	%100
7	M43	X	-.974	-.974	0	%100
8	M43	Z	-1.686	-1.686	0	%100
9	M46	X	-1.526	-1.526	0	%100
10	M46	Z	-2.644	-2.644	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	-1.122	-1.122	0	%100
14	M52B	Z	-1.943	-1.943	0	%100
15	M76	X	-.5	-.5	0	%100
16	M76	Z	-.866	-.866	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	-.5	-.5	0	%100
22	M84	Z	-.866	-.866	0	%100
23	M85	X	-1.524	-1.524	0	%100
24	M85	Z	-2.639	-2.639	0	%100
25	M91	X	-1.59	-1.59	0	%100
26	M91	Z	-2.755	-2.755	0	%100
27	M53	X	0	0	0	%100
28	M53	Z	0	0	0	%100
29	M54	X	0	0	0	%100
30	M54	Z	0	0	0	%100
31	M55	X	0	0	0	%100
32	M55	Z	0	0	0	%100
33	M58A	X	-1.122	-1.122	0	%100
34	M58A	Z	-1.943	-1.943	0	%100
35	M59A	X	-1.122	-1.122	0	%100
36	M59A	Z	-1.943	-1.943	0	%100
37	M63	X	-2.001	-2.001	0	%100
38	M63	Z	-3.466	-3.466	0	%100
39	M64	X	-1.524	-1.524	0	%100
40	M64	Z	-2.639	-2.639	0	%100
41	M66	X	-1.59	-1.59	0	%100
42	M66	Z	-2.755	-2.755	0	%100
43	M68	X	-2.001	-2.001	0	%100
44	M68	Z	-3.466	-3.466	0	%100
45	M69	X	-1.524	-1.524	0	%100
46	M69	Z	-2.639	-2.639	0	%100
47	M71	X	-1.59	-1.59	0	%100
48	M71	Z	-2.755	-2.755	0	%100
49	M77A	X	-.974	-.974	0	%100
50	M77A	Z	-1.686	-1.686	0	%100
51	M78	X	-.974	-.974	0	%100
52	M78	Z	-1.686	-1.686	0	%100
53	M79A	X	-1.526	-1.526	0	%100
54	M79A	Z	-2.644	-2.644	0	%100
55	M82	X	-1.122	-1.122	0	%100
56	M82	Z	-1.943	-1.943	0	%100
57	M83A	X	0	0	0	%100



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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,%]	
58	M83A	Z	0	0	0	%100
59	M87	X	-.5	-.5	0	%100
60	M87	Z	-.866	-.866	0	%100
61	M88A	X	-1.524	-1.524	0	%100
62	M88A	Z	-2.639	-2.639	0	%100
63	M90	X	-1.59	-1.59	0	%100
64	M90	Z	-2.755	-2.755	0	%100
65	M92A	X	-.5	-.5	0	%100
66	M92A	Z	-.866	-.866	0	%100
67	M93	X	0	0	0	%100
68	M93	Z	0	0	0	%100
69	M95	X	0	0	0	%100
70	M95	Z	0	0	0	%100
71	M82A	X	0	0	0	%100
72	M82A	Z	0	0	0	%100
73	M91B	X	-1.18	-1.18	0	%100
74	M91B	Z	-2.044	-2.044	0	%100
75	M98A	X	-1.576	-1.576	0	%100
76	M98A	Z	-2.73	-2.73	0	%100
77	M99A	X	-.394	-.394	0	%100
78	M99A	Z	-.683	-.683	0	%100
79	MP5A	X	-1.266	-1.266	0	%100
80	MP5A	Z	-2.192	-2.192	0	%100
81	MP4A	X	-1.266	-1.266	0	%100
82	MP4A	Z	-2.192	-2.192	0	%100
83	MP3A	X	-1.266	-1.266	0	%100
84	MP3A	Z	-2.192	-2.192	0	%100
85	MP1A	X	-1.266	-1.266	0	%100
86	MP1A	Z	-2.192	-2.192	0	%100
87	MP2A	X	-1.403	-1.403	0	%100
88	MP2A	Z	-2.429	-2.429	0	%100
89	MP5C	X	-1.266	-1.266	0	%100
90	MP5C	Z	-2.192	-2.192	0	%100
91	MP4C	X	-1.266	-1.266	0	%100
92	MP4C	Z	-2.192	-2.192	0	%100
93	MP3C	X	-1.266	-1.266	0	%100
94	MP3C	Z	-2.192	-2.192	0	%100
95	MP1C	X	-1.266	-1.266	0	%100
96	MP1C	Z	-2.192	-2.192	0	%100
97	MP2C	X	-1.403	-1.403	0	%100
98	MP2C	Z	-2.429	-2.429	0	%100
99	MP5B	X	-1.266	-1.266	0	%100
100	MP5B	Z	-2.192	-2.192	0	%100
101	MP4B	X	-1.266	-1.266	0	%100
102	MP4B	Z	-2.192	-2.192	0	%100
103	MP3B	X	-1.266	-1.266	0	%100
104	MP3B	Z	-2.192	-2.192	0	%100
105	MP1B	X	-1.266	-1.266	0	%100
106	MP1B	Z	-2.192	-2.192	0	%100
107	MP2B	X	-1.403	-1.403	0	%100
108	MP2B	Z	-2.429	-2.429	0	%100
109	OVP	X	-1.166	-1.166	0	%100
110	OVP	Z	-2.02	-2.02	0	%100
111	M108	X	-1.052	-1.052	0	%100
112	M108	Z	-1.822	-1.822	0	%100
113	M109	X	0	0	0	%100
114	M109	Z	0	0	0	%100



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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, %]
115	M110	X	-1.052	-1.052	0	%100
116	M110	Z	-1.822	-1.822	0	%100
117	M132	X	0	0	0	%100
118	M132	Z	0	0	0	%100
119	M133	X	-.986	-.986	0	%100
120	M133	Z	-1.708	-1.708	0	%100
121	M134	X	-.986	-.986	0	%100
122	M134	Z	-1.708	-1.708	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	-.69	-.69	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-.593	-.593	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	-.593	-.593	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	-1.182	-1.182	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	-.164	-.164	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	-.164	-.164	0	%100
15	M76	X	0	0	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	-.301	-.301	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	-.317	-.317	0	%100
21	M84	X	0	0	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	-.301	-.301	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	-.317	-.317	0	%100
27	M53	X	0	0	0	%100
28	M53	Z	-.148	-.148	0	%100
29	M54	X	0	0	0	%100
30	M54	Z	-.148	-.148	0	%100
31	M55	X	0	0	0	%100
32	M55	Z	-.296	-.296	0	%100
33	M58A	X	0	0	0	%100
34	M58A	Z	-.164	-.164	0	%100
35	M59A	X	0	0	0	%100
36	M59A	Z	-.656	-.656	0	%100
37	M63	X	0	0	0	%100
38	M63	Z	-.887	-.887	0	%100
39	M64	X	0	0	0	%100
40	M64	Z	-.301	-.301	0	%100
41	M66	X	0	0	0	%100
42	M66	Z	-.317	-.317	0	%100
43	M68	X	0	0	0	%100
44	M68	Z	-.887	-.887	0	%100
45	M69	X	0	0	0	%100



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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,%]
46	M69	Z	-1.204	-1.204	0 %100
47	M71	X	0	0	0 %100
48	M71	Z	-1.268	-1.268	0 %100
49	M77A	X	0	0	0 %100
50	M77A	Z	-.148	-.148	0 %100
51	M78	X	0	0	0 %100
52	M78	Z	-.148	-.148	0 %100
53	M79A	X	0	0	0 %100
54	M79A	Z	-.296	-.296	0 %100
55	M82	X	0	0	0 %100
56	M82	Z	-.656	-.656	0 %100
57	M83A	X	0	0	0 %100
58	M83A	Z	-.164	-.164	0 %100
59	M87	X	0	0	0 %100
60	M87	Z	-.887	-.887	0 %100
61	M88A	X	0	0	0 %100
62	M88A	Z	-1.204	-1.204	0 %100
63	M90	X	0	0	0 %100
64	M90	Z	-1.268	-1.268	0 %100
65	M92A	X	0	0	0 %100
66	M92A	Z	-.887	-.887	0 %100
67	M93	X	0	0	0 %100
68	M93	Z	-.301	-.301	0 %100
69	M95	X	0	0	0 %100
70	M95	Z	-.317	-.317	0 %100
71	M82A	X	0	0	0 %100
72	M82A	Z	-.172	-.172	0 %100
73	M91B	X	0	0	0 %100
74	M91B	Z	-.172	-.172	0 %100
75	M98A	X	0	0	0 %100
76	M98A	Z	-.519	-.519	0 %100
77	M99A	X	0	0	0 %100
78	M99A	Z	-.519	-.519	0 %100
79	MP5A	X	0	0	0 %100
80	MP5A	Z	-.468	-.468	0 %100
81	MP4A	X	0	0	0 %100
82	MP4A	Z	-.468	-.468	0 %100
83	MP3A	X	0	0	0 %100
84	MP3A	Z	-.468	-.468	0 %100
85	MP1A	X	0	0	0 %100
86	MP1A	Z	-.468	-.468	0 %100
87	MP2A	X	0	0	0 %100
88	MP2A	Z	-.566	-.566	0 %100
89	MP5C	X	0	0	0 %100
90	MP5C	Z	-.468	-.468	0 %100
91	MP4C	X	0	0	0 %100
92	MP4C	Z	-.468	-.468	0 %100
93	MP3C	X	0	0	0 %100
94	MP3C	Z	-.468	-.468	0 %100
95	MP1C	X	0	0	0 %100
96	MP1C	Z	-.468	-.468	0 %100
97	MP2C	X	0	0	0 %100
98	MP2C	Z	-.566	-.566	0 %100
99	MP5B	X	0	0	0 %100
100	MP5B	Z	-.468	-.468	0 %100
101	MP4B	X	0	0	0 %100
102	MP4B	Z	-.468	-.468	0 %100



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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,%]
34	M58A	Z	0	0	0	%100
35	M59A	X	.246	.246	0	%100
36	M59A	Z	-.426	-.426	0	%100
37	M63	X	.148	.148	0	%100
38	M63	Z	-.256	-.256	0	%100
39	M64	X	0	0	0	%100
40	M64	Z	0	0	0	%100
41	M66	X	0	0	0	%100
42	M66	Z	0	0	0	%100
43	M68	X	.148	.148	0	%100
44	M68	Z	-.256	-.256	0	%100
45	M69	X	.451	.451	0	%100
46	M69	Z	-.782	-.782	0	%100
47	M71	X	.476	.476	0	%100
48	M71	Z	-.824	-.824	0	%100
49	M77A	X	0	0	0	%100
50	M77A	Z	0	0	0	%100
51	M78	X	0	0	0	%100
52	M78	Z	0	0	0	%100
53	M79A	X	0	0	0	%100
54	M79A	Z	0	0	0	%100
55	M82	X	.246	.246	0	%100
56	M82	Z	-.426	-.426	0	%100
57	M83A	X	.246	.246	0	%100
58	M83A	Z	-.426	-.426	0	%100
59	M87	X	.591	.591	0	%100
60	M87	Z	-1.024	-1.024	0	%100
61	M88A	X	.451	.451	0	%100
62	M88A	Z	-.782	-.782	0	%100
63	M90	X	.476	.476	0	%100
64	M90	Z	-.824	-.824	0	%100
65	M92A	X	.591	.591	0	%100
66	M92A	Z	-1.024	-1.024	0	%100
67	M93	X	.451	.451	0	%100
68	M93	Z	-.782	-.782	0	%100
69	M95	X	.476	.476	0	%100
70	M95	Z	-.824	-.824	0	%100
71	M82A	X	.259	.259	0	%100
72	M82A	Z	-.448	-.448	0	%100
73	M91B	X	0	0	0	%100
74	M91B	Z	0	0	0	%100
75	M98A	X	.086	.086	0	%100
76	M98A	Z	-.15	-.15	0	%100
77	M99A	X	.346	.346	0	%100
78	M99A	Z	-.599	-.599	0	%100
79	MP5A	X	.234	.234	0	%100
80	MP5A	Z	-.405	-.405	0	%100
81	MP4A	X	.234	.234	0	%100
82	MP4A	Z	-.405	-.405	0	%100
83	MP3A	X	.234	.234	0	%100
84	MP3A	Z	-.405	-.405	0	%100
85	MP1A	X	.234	.234	0	%100
86	MP1A	Z	-.405	-.405	0	%100
87	MP2A	X	.283	.283	0	%100
88	MP2A	Z	-.491	-.491	0	%100
89	MP5C	X	.234	.234	0	%100
90	MP5C	Z	-.405	-.405	0	%100



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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, %]
91	MP4C	X	.234	.234	0	%100
92	MP4C	Z	-.405	-.405	0	%100
93	MP3C	X	.234	.234	0	%100
94	MP3C	Z	-.405	-.405	0	%100
95	MP1C	X	.234	.234	0	%100
96	MP1C	Z	-.405	-.405	0	%100
97	MP2C	X	.283	.283	0	%100
98	MP2C	Z	-.491	-.491	0	%100
99	MP5B	X	.234	.234	0	%100
100	MP5B	Z	-.405	-.405	0	%100
101	MP4B	X	.234	.234	0	%100
102	MP4B	Z	-.405	-.405	0	%100
103	MP3B	X	.234	.234	0	%100
104	MP3B	Z	-.405	-.405	0	%100
105	MP1B	X	.234	.234	0	%100
106	MP1B	Z	-.405	-.405	0	%100
107	MP2B	X	.283	.283	0	%100
108	MP2B	Z	-.491	-.491	0	%100
109	OVP	X	.213	.213	0	%100
110	OVP	Z	-.369	-.369	0	%100
111	M108	X	.212	.212	0	%100
112	M108	Z	-.368	-.368	0	%100
113	M109	X	.212	.212	0	%100
114	M109	Z	-.368	-.368	0	%100
115	M110	X	0	0	0	%100
116	M110	Z	0	0	0	%100
117	M132	X	.244	.244	0	%100
118	M132	Z	-.423	-.423	0	%100
119	M133	X	.244	.244	0	%100
120	M133	Z	-.423	-.423	0	%100
121	M134	X	0	0	0	%100
122	M134	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	.149	.149	0	%100
2	M1	Z	-.086	-.086	0	%100
3	M4	X	.449	.449	0	%100
4	M4	Z	-.259	-.259	0	%100
5	M10	X	.128	.128	0	%100
6	M10	Z	-.074	-.074	0	%100
7	M43	X	.128	.128	0	%100
8	M43	Z	-.074	-.074	0	%100
9	M46	X	.256	.256	0	%100
10	M46	Z	-.148	-.148	0	%100
11	M51B	X	.568	.568	0	%100
12	M51B	Z	-.328	-.328	0	%100
13	M52B	X	.142	.142	0	%100
14	M52B	Z	-.082	-.082	0	%100
15	M76	X	.768	.768	0	%100
16	M76	Z	-.443	-.443	0	%100
17	M77	X	1.043	1.043	0	%100
18	M77	Z	-.602	-.602	0	%100
19	M80	X	1.098	1.098	0	%100
20	M80	Z	-.634	-.634	0	%100
21	M84	X	.768	.768	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M84	Z	-.443	-.443	0 %100
23	M85	X	.261	.261	0 %100
24	M85	Z	-.15	-.15	0 %100
25	M91	X	.275	.275	0 %100
26	M91	Z	-.159	-.159	0 %100
27	M53	X	.513	.513	0 %100
28	M53	Z	-.296	-.296	0 %100
29	M54	X	.513	.513	0 %100
30	M54	Z	-.296	-.296	0 %100
31	M55	X	1.024	1.024	0 %100
32	M55	Z	-.591	-.591	0 %100
33	M58A	X	.142	.142	0 %100
34	M58A	Z	-.082	-.082	0 %100
35	M59A	X	.142	.142	0 %100
36	M59A	Z	-.082	-.082	0 %100
37	M63	X	0	0	0 %100
38	M63	Z	0	0	0 %100
39	M64	X	.261	.261	0 %100
40	M64	Z	-.15	-.15	0 %100
41	M66	X	.275	.275	0 %100
42	M66	Z	-.159	-.159	0 %100
43	M68	X	0	0	0 %100
44	M68	Z	0	0	0 %100
45	M69	X	.261	.261	0 %100
46	M69	Z	-.15	-.15	0 %100
47	M71	X	.275	.275	0 %100
48	M71	Z	-.159	-.159	0 %100
49	M77A	X	.128	.128	0 %100
50	M77A	Z	-.074	-.074	0 %100
51	M78	X	.128	.128	0 %100
52	M78	Z	-.074	-.074	0 %100
53	M79A	X	.256	.256	0 %100
54	M79A	Z	-.148	-.148	0 %100
55	M82	X	.142	.142	0 %100
56	M82	Z	-.082	-.082	0 %100
57	M83A	X	.568	.568	0 %100
58	M83A	Z	-.328	-.328	0 %100
59	M87	X	.768	.768	0 %100
60	M87	Z	-.443	-.443	0 %100
61	M88A	X	.261	.261	0 %100
62	M88A	Z	-.15	-.15	0 %100
63	M90	X	.275	.275	0 %100
64	M90	Z	-.159	-.159	0 %100
65	M92A	X	.768	.768	0 %100
66	M92A	Z	-.443	-.443	0 %100
67	M93	X	1.043	1.043	0 %100
68	M93	Z	-.602	-.602	0 %100
69	M95	X	1.098	1.098	0 %100
70	M95	Z	-.634	-.634	0 %100
71	M82A	X	.597	.597	0 %100
72	M82A	Z	-.345	-.345	0 %100
73	M91B	X	.149	.149	0 %100
74	M91B	Z	-.086	-.086	0 %100
75	M98A	X	0	0	0 %100
76	M98A	Z	0	0	0 %100
77	M99A	X	.449	.449	0 %100
78	M99A	Z	-.259	-.259	0 %100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
79	MP5A	X	.405	.405	0	%100
80	MP5A	Z	-.234	-.234	0	%100
81	MP4A	X	.405	.405	0	%100
82	MP4A	Z	-.234	-.234	0	%100
83	MP3A	X	.405	.405	0	%100
84	MP3A	Z	-.234	-.234	0	%100
85	MP1A	X	.405	.405	0	%100
86	MP1A	Z	-.234	-.234	0	%100
87	MP2A	X	.491	.491	0	%100
88	MP2A	Z	-.283	-.283	0	%100
89	MP5C	X	.405	.405	0	%100
90	MP5C	Z	-.234	-.234	0	%100
91	MP4C	X	.405	.405	0	%100
92	MP4C	Z	-.234	-.234	0	%100
93	MP3C	X	.405	.405	0	%100
94	MP3C	Z	-.234	-.234	0	%100
95	MP1C	X	.405	.405	0	%100
96	MP1C	Z	-.234	-.234	0	%100
97	MP2C	X	.491	.491	0	%100
98	MP2C	Z	-.283	-.283	0	%100
99	MP5B	X	.405	.405	0	%100
100	MP5B	Z	-.234	-.234	0	%100
101	MP4B	X	.405	.405	0	%100
102	MP4B	Z	-.234	-.234	0	%100
103	MP3B	X	.405	.405	0	%100
104	MP3B	Z	-.234	-.234	0	%100
105	MP1B	X	.405	.405	0	%100
106	MP1B	Z	-.234	-.234	0	%100
107	MP2B	X	.491	.491	0	%100
108	MP2B	Z	-.283	-.283	0	%100
109	OVP	X	.369	.369	0	%100
110	OVP	Z	-.213	-.213	0	%100
111	M108	X	.123	.123	0	%100
112	M108	Z	-.071	-.071	0	%100
113	M109	X	.491	.491	0	%100
114	M109	Z	-.283	-.283	0	%100
115	M110	X	.123	.123	0	%100
116	M110	Z	-.071	-.071	0	%100
117	M132	X	.564	.564	0	%100
118	M132	Z	-.326	-.326	0	%100
119	M133	X	.141	.141	0	%100
120	M133	Z	-.081	-.081	0	%100
121	M134	X	.141	.141	0	%100
122	M134	Z	-.081	-.081	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	.692	.692	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	0	0	0	%100
9	M46	X	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
10	M46	Z	0	0	0	%100
11	M51B	X	.492	.492	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	.492	.492	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	1.182	1.182	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	.903	.903	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	.951	.951	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	1.182	1.182	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	.903	.903	0	%100
24	M85	Z	0	0	0	%100
25	M91	X	.951	.951	0	%100
26	M91	Z	0	0	0	%100
27	M53	X	.444	.444	0	%100
28	M53	Z	0	0	0	%100
29	M54	X	.444	.444	0	%100
30	M54	Z	0	0	0	%100
31	M55	X	.887	.887	0	%100
32	M55	Z	0	0	0	%100
33	M58A	X	.492	.492	0	%100
34	M58A	Z	0	0	0	%100
35	M59A	X	0	0	0	%100
36	M59A	Z	0	0	0	%100
37	M63	X	.296	.296	0	%100
38	M63	Z	0	0	0	%100
39	M64	X	.903	.903	0	%100
40	M64	Z	0	0	0	%100
41	M66	X	.951	.951	0	%100
42	M66	Z	0	0	0	%100
43	M68	X	.296	.296	0	%100
44	M68	Z	0	0	0	%100
45	M69	X	0	0	0	%100
46	M69	Z	0	0	0	%100
47	M71	X	0	0	0	%100
48	M71	Z	0	0	0	%100
49	M77A	X	.444	.444	0	%100
50	M77A	Z	0	0	0	%100
51	M78	X	.444	.444	0	%100
52	M78	Z	0	0	0	%100
53	M79A	X	.887	.887	0	%100
54	M79A	Z	0	0	0	%100
55	M82	X	0	0	0	%100
56	M82	Z	0	0	0	%100
57	M83A	X	.492	.492	0	%100
58	M83A	Z	0	0	0	%100
59	M87	X	.296	.296	0	%100
60	M87	Z	0	0	0	%100
61	M88A	X	0	0	0	%100
62	M88A	Z	0	0	0	%100
63	M90	X	0	0	0	%100
64	M90	Z	0	0	0	%100
65	M92A	X	.296	.296	0	%100
66	M92A	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
67	M93	X	.903	.903	0	%100
68	M93	Z	0	0	0	%100
69	M95	X	.951	.951	0	%100
70	M95	Z	0	0	0	%100
71	M82A	X	.517	.517	0	%100
72	M82A	Z	0	0	0	%100
73	M91B	X	.517	.517	0	%100
74	M91B	Z	0	0	0	%100
75	M98A	X	.173	.173	0	%100
76	M98A	Z	0	0	0	%100
77	M99A	X	.173	.173	0	%100
78	M99A	Z	0	0	0	%100
79	MP5A	X	.468	.468	0	%100
80	MP5A	Z	0	0	0	%100
81	MP4A	X	.468	.468	0	%100
82	MP4A	Z	0	0	0	%100
83	MP3A	X	.468	.468	0	%100
84	MP3A	Z	0	0	0	%100
85	MP1A	X	.468	.468	0	%100
86	MP1A	Z	0	0	0	%100
87	MP2A	X	.566	.566	0	%100
88	MP2A	Z	0	0	0	%100
89	MP5C	X	.468	.468	0	%100
90	MP5C	Z	0	0	0	%100
91	MP4C	X	.468	.468	0	%100
92	MP4C	Z	0	0	0	%100
93	MP3C	X	.468	.468	0	%100
94	MP3C	Z	0	0	0	%100
95	MP1C	X	.468	.468	0	%100
96	MP1C	Z	0	0	0	%100
97	MP2C	X	.566	.566	0	%100
98	MP2C	Z	0	0	0	%100
99	MP5B	X	.468	.468	0	%100
100	MP5B	Z	0	0	0	%100
101	MP4B	X	.468	.468	0	%100
102	MP4B	Z	0	0	0	%100
103	MP3B	X	.468	.468	0	%100
104	MP3B	Z	0	0	0	%100
105	MP1B	X	.468	.468	0	%100
106	MP1B	Z	0	0	0	%100
107	MP2B	X	.566	.566	0	%100
108	MP2B	Z	0	0	0	%100
109	OVP	X	.426	.426	0	%100
110	OVP	Z	0	0	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	0	0	0	%100
113	M109	X	.425	.425	0	%100
114	M109	Z	0	0	0	%100
115	M110	X	.425	.425	0	%100
116	M110	Z	0	0	0	%100
117	M132	X	.488	.488	0	%100
118	M132	Z	0	0	0	%100
119	M133	X	0	0	0	%100
120	M133	Z	0	0	0	%100
121	M134	X	.488	.488	0	%100
122	M134	Z	0	0	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M83A	Z	.082	.082	0 %100
59	M87	X	0	0	0 %100
60	M87	Z	0	0	0 %100
61	M88A	X	.261	.261	0 %100
62	M88A	Z	.15	.15	0 %100
63	M90	X	.275	.275	0 %100
64	M90	Z	.159	.159	0 %100
65	M92A	X	0	0	0 %100
66	M92A	Z	0	0	0 %100
67	M93	X	.261	.261	0 %100
68	M93	Z	.15	.15	0 %100
69	M95	X	.275	.275	0 %100
70	M95	Z	.159	.159	0 %100
71	M82A	X	.149	.149	0 %100
72	M82A	Z	.086	.086	0 %100
73	M91B	X	.597	.597	0 %100
74	M91B	Z	.345	.345	0 %100
75	M98A	X	.449	.449	0 %100
76	M98A	Z	.259	.259	0 %100
77	M99A	X	0	0	0 %100
78	M99A	Z	0	0	0 %100
79	MP5A	X	.405	.405	0 %100
80	MP5A	Z	.234	.234	0 %100
81	MP4A	X	.405	.405	0 %100
82	MP4A	Z	.234	.234	0 %100
83	MP3A	X	.405	.405	0 %100
84	MP3A	Z	.234	.234	0 %100
85	MP1A	X	.405	.405	0 %100
86	MP1A	Z	.234	.234	0 %100
87	MP2A	X	.491	.491	0 %100
88	MP2A	Z	.283	.283	0 %100
89	MP5C	X	.405	.405	0 %100
90	MP5C	Z	.234	.234	0 %100
91	MP4C	X	.405	.405	0 %100
92	MP4C	Z	.234	.234	0 %100
93	MP3C	X	.405	.405	0 %100
94	MP3C	Z	.234	.234	0 %100
95	MP1C	X	.405	.405	0 %100
96	MP1C	Z	.234	.234	0 %100
97	MP2C	X	.491	.491	0 %100
98	MP2C	Z	.283	.283	0 %100
99	MP5B	X	.405	.405	0 %100
100	MP5B	Z	.234	.234	0 %100
101	MP4B	X	.405	.405	0 %100
102	MP4B	Z	.234	.234	0 %100
103	MP3B	X	.405	.405	0 %100
104	MP3B	Z	.234	.234	0 %100
105	MP1B	X	.405	.405	0 %100
106	MP1B	Z	.234	.234	0 %100
107	MP2B	X	.491	.491	0 %100
108	MP2B	Z	.283	.283	0 %100
109	OVP	X	.369	.369	0 %100
110	OVP	Z	.213	.213	0 %100
111	M108	X	.123	.123	0 %100
112	M108	Z	.071	.071	0 %100
113	M109	X	.123	.123	0 %100
114	M109	Z	.071	.071	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
115	M110	X	.491	.491	0	%100
116	M110	Z	.283	.283	0	%100
117	M132	X	.141	.141	0	%100
118	M132	Z	.081	.081	0	%100
119	M133	X	.141	.141	0	%100
120	M133	Z	.081	.081	0	%100
121	M134	X	.564	.564	0	%100
122	M134	Z	.326	.326	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	.259	.259	0	%100
2	M1	Z	.448	.448	0	%100
3	M4	X	.086	.086	0	%100
4	M4	Z	.15	.15	0	%100
5	M10	X	.222	.222	0	%100
6	M10	Z	.385	.385	0	%100
7	M43	X	.222	.222	0	%100
8	M43	Z	.385	.385	0	%100
9	M46	X	.443	.443	0	%100
10	M46	Z	.768	.768	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	.246	.246	0	%100
14	M52B	Z	.426	.426	0	%100
15	M76	X	.148	.148	0	%100
16	M76	Z	.256	.256	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	.148	.148	0	%100
22	M84	Z	.256	.256	0	%100
23	M85	X	.451	.451	0	%100
24	M85	Z	.782	.782	0	%100
25	M91	X	.476	.476	0	%100
26	M91	Z	.824	.824	0	%100
27	M53	X	0	0	0	%100
28	M53	Z	0	0	0	%100
29	M54	X	0	0	0	%100
30	M54	Z	0	0	0	%100
31	M55	X	0	0	0	%100
32	M55	Z	0	0	0	%100
33	M58A	X	.246	.246	0	%100
34	M58A	Z	.426	.426	0	%100
35	M59A	X	.246	.246	0	%100
36	M59A	Z	.426	.426	0	%100
37	M63	X	.591	.591	0	%100
38	M63	Z	1.024	1.024	0	%100
39	M64	X	.451	.451	0	%100
40	M64	Z	.782	.782	0	%100
41	M66	X	.476	.476	0	%100
42	M66	Z	.824	.824	0	%100
43	M68	X	.591	.591	0	%100
44	M68	Z	1.024	1.024	0	%100
45	M69	X	.451	.451	0	%100



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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, %]
103	MP3B	X	.234	.234	0	%100
104	MP3B	Z	.405	.405	0	%100
105	MP1B	X	.234	.234	0	%100
106	MP1B	Z	.405	.405	0	%100
107	MP2B	X	.283	.283	0	%100
108	MP2B	Z	.491	.491	0	%100
109	OVP	X	.213	.213	0	%100
110	OVP	Z	.369	.369	0	%100
111	M108	X	.212	.212	0	%100
112	M108	Z	.368	.368	0	%100
113	M109	X	0	0	0	%100
114	M109	Z	0	0	0	%100
115	M110	X	.212	.212	0	%100
116	M110	Z	.368	.368	0	%100
117	M132	X	0	0	0	%100
118	M132	Z	0	0	0	%100
119	M133	X	.244	.244	0	%100
120	M133	Z	.423	.423	0	%100
121	M134	X	.244	.244	0	%100
122	M134	Z	.423	.423	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	0	%100
2	M1	Z	.69	.69	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	.593	.593	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	.593	.593	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	1.182	1.182	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	.164	.164	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	.164	.164	0	%100
15	M76	X	0	0	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	.301	.301	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	.317	.317	0	%100
21	M84	X	0	0	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	.301	.301	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	.317	.317	0	%100
27	M53	X	0	0	0	%100
28	M53	Z	.148	.148	0	%100
29	M54	X	0	0	0	%100
30	M54	Z	.148	.148	0	%100
31	M55	X	0	0	0	%100
32	M55	Z	.296	.296	0	%100
33	M58A	X	0	0	0	%100



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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, %]
34	M58A	Z	.164	.164	0	%100
35	M59A	X	0	0	0	%100
36	M59A	Z	.656	.656	0	%100
37	M63	X	0	0	0	%100
38	M63	Z	.887	.887	0	%100
39	M64	X	0	0	0	%100
40	M64	Z	.301	.301	0	%100
41	M66	X	0	0	0	%100
42	M66	Z	.317	.317	0	%100
43	M68	X	0	0	0	%100
44	M68	Z	.887	.887	0	%100
45	M69	X	0	0	0	%100
46	M69	Z	1.204	1.204	0	%100
47	M71	X	0	0	0	%100
48	M71	Z	1.268	1.268	0	%100
49	M77A	X	0	0	0	%100
50	M77A	Z	.148	.148	0	%100
51	M78	X	0	0	0	%100
52	M78	Z	.148	.148	0	%100
53	M79A	X	0	0	0	%100
54	M79A	Z	.296	.296	0	%100
55	M82	X	0	0	0	%100
56	M82	Z	.656	.656	0	%100
57	M83A	X	0	0	0	%100
58	M83A	Z	.164	.164	0	%100
59	M87	X	0	0	0	%100
60	M87	Z	.887	.887	0	%100
61	M88A	X	0	0	0	%100
62	M88A	Z	1.204	1.204	0	%100
63	M90	X	0	0	0	%100
64	M90	Z	1.268	1.268	0	%100
65	M92A	X	0	0	0	%100
66	M92A	Z	.887	.887	0	%100
67	M93	X	0	0	0	%100
68	M93	Z	.301	.301	0	%100
69	M95	X	0	0	0	%100
70	M95	Z	.317	.317	0	%100
71	M82A	X	0	0	0	%100
72	M82A	Z	.172	.172	0	%100
73	M91B	X	0	0	0	%100
74	M91B	Z	.172	.172	0	%100
75	M98A	X	0	0	0	%100
76	M98A	Z	.519	.519	0	%100
77	M99A	X	0	0	0	%100
78	M99A	Z	.519	.519	0	%100
79	MP5A	X	0	0	0	%100
80	MP5A	Z	.468	.468	0	%100
81	MP4A	X	0	0	0	%100
82	MP4A	Z	.468	.468	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	.468	.468	0	%100
85	MP1A	X	0	0	0	%100
86	MP1A	Z	.468	.468	0	%100
87	MP2A	X	0	0	0	%100
88	MP2A	Z	.566	.566	0	%100
89	MP5C	X	0	0	0	%100
90	MP5C	Z	.468	.468	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, %]
91	MP4C	X	0	0	0	%100
92	MP4C	Z	.468	.468	0	%100
93	MP3C	X	0	0	0	%100
94	MP3C	Z	.468	.468	0	%100
95	MP1C	X	0	0	0	%100
96	MP1C	Z	.468	.468	0	%100
97	MP2C	X	0	0	0	%100
98	MP2C	Z	.566	.566	0	%100
99	MP5B	X	0	0	0	%100
100	MP5B	Z	.468	.468	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	.468	.468	0	%100
103	MP3B	X	0	0	0	%100
104	MP3B	Z	.468	.468	0	%100
105	MP1B	X	0	0	0	%100
106	MP1B	Z	.468	.468	0	%100
107	MP2B	X	0	0	0	%100
108	MP2B	Z	.566	.566	0	%100
109	OVP	X	0	0	0	%100
110	OVP	Z	.426	.426	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	.566	.566	0	%100
113	M109	X	0	0	0	%100
114	M109	Z	.142	.142	0	%100
115	M110	X	0	0	0	%100
116	M110	Z	.142	.142	0	%100
117	M132	X	0	0	0	%100
118	M132	Z	.163	.163	0	%100
119	M133	X	0	0	0	%100
120	M133	Z	.651	.651	0	%100
121	M134	X	0	0	0	%100
122	M134	Z	.163	.163	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-.259	-.259	0	%100
2	M1	Z	.448	.448	0	%100
3	M4	X	-.086	-.086	0	%100
4	M4	Z	.15	.15	0	%100
5	M10	X	-.222	-.222	0	%100
6	M10	Z	.385	.385	0	%100
7	M43	X	-.222	-.222	0	%100
8	M43	Z	.385	.385	0	%100
9	M46	X	-.443	-.443	0	%100
10	M46	Z	.768	.768	0	%100
11	M51B	X	-.246	-.246	0	%100
12	M51B	Z	.426	.426	0	%100
13	M52B	X	0	0	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	-.148	-.148	0	%100
16	M76	Z	.256	.256	0	%100
17	M77	X	-.451	-.451	0	%100
18	M77	Z	.782	.782	0	%100
19	M80	X	-.476	-.476	0	%100
20	M80	Z	.824	.824	0	%100
21	M84	X	-.148	-.148	0	%100



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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,%]
22	M84	Z	.256	.256	0	%100
23	M85	X	0	0	0	%100
24	M85	Z	0	0	0	%100
25	M91	X	0	0	0	%100
26	M91	Z	0	0	0	%100
27	M53	X	-.222	-.222	0	%100
28	M53	Z	.385	.385	0	%100
29	M54	X	-.222	-.222	0	%100
30	M54	Z	.385	.385	0	%100
31	M55	X	-.443	-.443	0	%100
32	M55	Z	.768	.768	0	%100
33	M58A	X	0	0	0	%100
34	M58A	Z	0	0	0	%100
35	M59A	X	-.246	-.246	0	%100
36	M59A	Z	.426	.426	0	%100
37	M63	X	-.148	-.148	0	%100
38	M63	Z	.256	.256	0	%100
39	M64	X	0	0	0	%100
40	M64	Z	0	0	0	%100
41	M66	X	0	0	0	%100
42	M66	Z	0	0	0	%100
43	M68	X	-.148	-.148	0	%100
44	M68	Z	.256	.256	0	%100
45	M69	X	-.451	-.451	0	%100
46	M69	Z	.782	.782	0	%100
47	M71	X	-.476	-.476	0	%100
48	M71	Z	.824	.824	0	%100
49	M77A	X	0	0	0	%100
50	M77A	Z	0	0	0	%100
51	M78	X	0	0	0	%100
52	M78	Z	0	0	0	%100
53	M79A	X	0	0	0	%100
54	M79A	Z	0	0	0	%100
55	M82	X	-.246	-.246	0	%100
56	M82	Z	.426	.426	0	%100
57	M83A	X	-.246	-.246	0	%100
58	M83A	Z	.426	.426	0	%100
59	M87	X	-.591	-.591	0	%100
60	M87	Z	1.024	1.024	0	%100
61	M88A	X	-.451	-.451	0	%100
62	M88A	Z	.782	.782	0	%100
63	M90	X	-.476	-.476	0	%100
64	M90	Z	.824	.824	0	%100
65	M92A	X	-.591	-.591	0	%100
66	M92A	Z	1.024	1.024	0	%100
67	M93	X	-.451	-.451	0	%100
68	M93	Z	.782	.782	0	%100
69	M95	X	-.476	-.476	0	%100
70	M95	Z	.824	.824	0	%100
71	M82A	X	-.259	-.259	0	%100
72	M82A	Z	.448	.448	0	%100
73	M91B	X	0	0	0	%100
74	M91B	Z	0	0	0	%100
75	M98A	X	-.086	-.086	0	%100
76	M98A	Z	.15	.15	0	%100
77	M99A	X	-.346	-.346	0	%100
78	M99A	Z	.599	.599	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, %]
79	MP5A	X	-.234	-.234	0	%100
80	MP5A	Z	.405	.405	0	%100
81	MP4A	X	-.234	-.234	0	%100
82	MP4A	Z	.405	.405	0	%100
83	MP3A	X	-.234	-.234	0	%100
84	MP3A	Z	.405	.405	0	%100
85	MP1A	X	-.234	-.234	0	%100
86	MP1A	Z	.405	.405	0	%100
87	MP2A	X	-.283	-.283	0	%100
88	MP2A	Z	.491	.491	0	%100
89	MP5C	X	-.234	-.234	0	%100
90	MP5C	Z	.405	.405	0	%100
91	MP4C	X	-.234	-.234	0	%100
92	MP4C	Z	.405	.405	0	%100
93	MP3C	X	-.234	-.234	0	%100
94	MP3C	Z	.405	.405	0	%100
95	MP1C	X	-.234	-.234	0	%100
96	MP1C	Z	.405	.405	0	%100
97	MP2C	X	-.283	-.283	0	%100
98	MP2C	Z	.491	.491	0	%100
99	MP5B	X	-.234	-.234	0	%100
100	MP5B	Z	.405	.405	0	%100
101	MP4B	X	-.234	-.234	0	%100
102	MP4B	Z	.405	.405	0	%100
103	MP3B	X	-.234	-.234	0	%100
104	MP3B	Z	.405	.405	0	%100
105	MP1B	X	-.234	-.234	0	%100
106	MP1B	Z	.405	.405	0	%100
107	MP2B	X	-.283	-.283	0	%100
108	MP2B	Z	.491	.491	0	%100
109	OVP	X	-.213	-.213	0	%100
110	OVP	Z	.369	.369	0	%100
111	M108	X	-.212	-.212	0	%100
112	M108	Z	.368	.368	0	%100
113	M109	X	-.212	-.212	0	%100
114	M109	Z	.368	.368	0	%100
115	M110	X	0	0	0	%100
116	M110	Z	0	0	0	%100
117	M132	X	-.244	-.244	0	%100
118	M132	Z	.423	.423	0	%100
119	M133	X	-.244	-.244	0	%100
120	M133	Z	.423	.423	0	%100
121	M134	X	0	0	0	%100
122	M134	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-.149	-.149	0	%100
2	M1	Z	.086	.086	0	%100
3	M4	X	-.449	-.449	0	%100
4	M4	Z	.259	.259	0	%100
5	M10	X	-.128	-.128	0	%100
6	M10	Z	.074	.074	0	%100
7	M43	X	-.128	-.128	0	%100
8	M43	Z	.074	.074	0	%100
9	M46	X	-.256	-.256	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-.692	-.692	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	M43	X	0	0	0	%100
8	M43	Z	0	0	0	%100
9	M46	X	0	0	0	%100
10	M46	Z	0	0	0	%100
11	M51B	X	-.492	-.492	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	-.492	-.492	0	%100
14	M52B	Z	0	0	0	%100
15	M76	X	-1.182	-1.182	0	%100
16	M76	Z	0	0	0	%100
17	M77	X	-.903	-.903	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	-.951	-.951	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	-1.182	-1.182	0	%100
22	M84	Z	0	0	0	%100
23	M85	X	-.903	-.903	0	%100
24	M85	Z	0	0	0	%100
25	M91	X	-.951	-.951	0	%100
26	M91	Z	0	0	0	%100
27	M53	X	-.444	-.444	0	%100
28	M53	Z	0	0	0	%100
29	M54	X	-.444	-.444	0	%100
30	M54	Z	0	0	0	%100
31	M55	X	-.887	-.887	0	%100
32	M55	Z	0	0	0	%100
33	M58A	X	-.492	-.492	0	%100
34	M58A	Z	0	0	0	%100
35	M59A	X	0	0	0	%100
36	M59A	Z	0	0	0	%100
37	M63	X	-.296	-.296	0	%100
38	M63	Z	0	0	0	%100
39	M64	X	-.903	-.903	0	%100
40	M64	Z	0	0	0	%100
41	M66	X	-.951	-.951	0	%100
42	M66	Z	0	0	0	%100
43	M68	X	-.296	-.296	0	%100
44	M68	Z	0	0	0	%100
45	M69	X	0	0	0	%100
46	M69	Z	0	0	0	%100
47	M71	X	0	0	0	%100
48	M71	Z	0	0	0	%100
49	M77A	X	-.444	-.444	0	%100
50	M77A	Z	0	0	0	%100
51	M78	X	-.444	-.444	0	%100
52	M78	Z	0	0	0	%100
53	M79A	X	-.887	-.887	0	%100
54	M79A	Z	0	0	0	%100
55	M82	X	0	0	0	%100
56	M82	Z	0	0	0	%100
57	M83A	X	-.492	-.492	0	%100



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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, %]	
58	M83A	Z	0	0	0	%100
59	M87	X	-.296	-.296	0	%100
60	M87	Z	0	0	0	%100
61	M88A	X	0	0	0	%100
62	M88A	Z	0	0	0	%100
63	M90	X	0	0	0	%100
64	M90	Z	0	0	0	%100
65	M92A	X	-.296	-.296	0	%100
66	M92A	Z	0	0	0	%100
67	M93	X	-.903	-.903	0	%100
68	M93	Z	0	0	0	%100
69	M95	X	-.951	-.951	0	%100
70	M95	Z	0	0	0	%100
71	M82A	X	-.517	-.517	0	%100
72	M82A	Z	0	0	0	%100
73	M91B	X	-.517	-.517	0	%100
74	M91B	Z	0	0	0	%100
75	M98A	X	-.173	-.173	0	%100
76	M98A	Z	0	0	0	%100
77	M99A	X	-.173	-.173	0	%100
78	M99A	Z	0	0	0	%100
79	MP5A	X	-.468	-.468	0	%100
80	MP5A	Z	0	0	0	%100
81	MP4A	X	-.468	-.468	0	%100
82	MP4A	Z	0	0	0	%100
83	MP3A	X	-.468	-.468	0	%100
84	MP3A	Z	0	0	0	%100
85	MP1A	X	-.468	-.468	0	%100
86	MP1A	Z	0	0	0	%100
87	MP2A	X	-.566	-.566	0	%100
88	MP2A	Z	0	0	0	%100
89	MP5C	X	-.468	-.468	0	%100
90	MP5C	Z	0	0	0	%100
91	MP4C	X	-.468	-.468	0	%100
92	MP4C	Z	0	0	0	%100
93	MP3C	X	-.468	-.468	0	%100
94	MP3C	Z	0	0	0	%100
95	MP1C	X	-.468	-.468	0	%100
96	MP1C	Z	0	0	0	%100
97	MP2C	X	-.566	-.566	0	%100
98	MP2C	Z	0	0	0	%100
99	MP5B	X	-.468	-.468	0	%100
100	MP5B	Z	0	0	0	%100
101	MP4B	X	-.468	-.468	0	%100
102	MP4B	Z	0	0	0	%100
103	MP3B	X	-.468	-.468	0	%100
104	MP3B	Z	0	0	0	%100
105	MP1B	X	-.468	-.468	0	%100
106	MP1B	Z	0	0	0	%100
107	MP2B	X	-.566	-.566	0	%100
108	MP2B	Z	0	0	0	%100
109	OVP	X	-.426	-.426	0	%100
110	OVP	Z	0	0	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	0	0	0	%100
113	M109	X	-.425	-.425	0	%100
114	M109	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, %]
103	MP3B	X	-.405	-.405	0	%100
104	MP3B	Z	-.234	-.234	0	%100
105	MP1B	X	-.405	-.405	0	%100
106	MP1B	Z	-.234	-.234	0	%100
107	MP2B	X	-.491	-.491	0	%100
108	MP2B	Z	-.283	-.283	0	%100
109	OVP	X	-.369	-.369	0	%100
110	OVP	Z	-.213	-.213	0	%100
111	M108	X	-.123	-.123	0	%100
112	M108	Z	-.071	-.071	0	%100
113	M109	X	-.123	-.123	0	%100
114	M109	Z	-.071	-.071	0	%100
115	M110	X	-.491	-.491	0	%100
116	M110	Z	-.283	-.283	0	%100
117	M132	X	-.141	-.141	0	%100
118	M132	Z	-.081	-.081	0	%100
119	M133	X	-.141	-.141	0	%100
120	M133	Z	-.081	-.081	0	%100
121	M134	X	-.564	-.564	0	%100
122	M134	Z	-.326	-.326	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-.259	-.259	0	%100
2	M1	Z	-.448	-.448	0	%100
3	M4	X	-.086	-.086	0	%100
4	M4	Z	-.15	-.15	0	%100
5	M10	X	-.222	-.222	0	%100
6	M10	Z	-.385	-.385	0	%100
7	M43	X	-.222	-.222	0	%100
8	M43	Z	-.385	-.385	0	%100
9	M46	X	-.443	-.443	0	%100
10	M46	Z	-.768	-.768	0	%100
11	M51B	X	0	0	0	%100
12	M51B	Z	0	0	0	%100
13	M52B	X	-.246	-.246	0	%100
14	M52B	Z	-.426	-.426	0	%100
15	M76	X	-.148	-.148	0	%100
16	M76	Z	-.256	-.256	0	%100
17	M77	X	0	0	0	%100
18	M77	Z	0	0	0	%100
19	M80	X	0	0	0	%100
20	M80	Z	0	0	0	%100
21	M84	X	-.148	-.148	0	%100
22	M84	Z	-.256	-.256	0	%100
23	M85	X	-.451	-.451	0	%100
24	M85	Z	-.782	-.782	0	%100
25	M91	X	-.476	-.476	0	%100
26	M91	Z	-.824	-.824	0	%100
27	M53	X	0	0	0	%100
28	M53	Z	0	0	0	%100
29	M54	X	0	0	0	%100
30	M54	Z	0	0	0	%100
31	M55	X	0	0	0	%100
32	M55	Z	0	0	0	%100
33	M58A	X	-.246	-.246	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, %]
91	MP4C	X	-.234	-.234	0	%100
92	MP4C	Z	-.405	-.405	0	%100
93	MP3C	X	-.234	-.234	0	%100
94	MP3C	Z	-.405	-.405	0	%100
95	MP1C	X	-.234	-.234	0	%100
96	MP1C	Z	-.405	-.405	0	%100
97	MP2C	X	-.283	-.283	0	%100
98	MP2C	Z	-.491	-.491	0	%100
99	MP5B	X	-.234	-.234	0	%100
100	MP5B	Z	-.405	-.405	0	%100
101	MP4B	X	-.234	-.234	0	%100
102	MP4B	Z	-.405	-.405	0	%100
103	MP3B	X	-.234	-.234	0	%100
104	MP3B	Z	-.405	-.405	0	%100
105	MP1B	X	-.234	-.234	0	%100
106	MP1B	Z	-.405	-.405	0	%100
107	MP2B	X	-.283	-.283	0	%100
108	MP2B	Z	-.491	-.491	0	%100
109	OVP	X	-.213	-.213	0	%100
110	OVP	Z	-.369	-.369	0	%100
111	M108	X	-.212	-.212	0	%100
112	M108	Z	-.368	-.368	0	%100
113	M109	X	0	0	0	%100
114	M109	Z	0	0	0	%100
115	M110	X	-.212	-.212	0	%100
116	M110	Z	-.368	-.368	0	%100
117	M132	X	0	0	0	%100
118	M132	Z	0	0	0	%100
119	M133	X	-.244	-.244	0	%100
120	M133	Z	-.423	-.423	0	%100
121	M134	X	-.244	-.244	0	%100
122	M134	Z	-.423	-.423	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M58A	Y	-1.661	-4.228	0	.832
2	M58A	Y	-4.228	-6.902	.832	1.665
3	M58A	Y	-6.902	-8.189	1.665	2.497
4	M58A	Y	-8.189	-6.545	2.497	3.329
5	M58A	Y	-6.545	-3.463	3.329	4.162
6	M59A	Y	-3.462	-6.573	0	.832
7	M59A	Y	-6.573	-8.26	.832	1.665
8	M59A	Y	-8.26	-7.044	1.665	2.497
9	M59A	Y	-7.044	-4.426	2.497	3.329
10	M59A	Y	-4.426	-1.884	3.329	4.162
11	M51B	Y	-1.879	-4.428	0	.832
12	M51B	Y	-4.428	-7.042	.832	1.665
13	M51B	Y	-7.042	-8.256	1.665	2.497
14	M51B	Y	-8.256	-6.578	2.497	3.329
15	M51B	Y	-6.578	-3.47	3.329	4.162
16	M52B	Y	-3.463	-6.545	0	.832
17	M52B	Y	-6.545	-8.189	.832	1.665
18	M52B	Y	-8.189	-6.9	1.665	2.497
19	M52B	Y	-6.9	-4.227	2.497	3.329
20	M52B	Y	-4.227	-1.665	3.329	4.162
21	M82	Y	-1.881	-4.429	0	.832

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
22	M82	Y	-4.429	-7.041	.832	1.665
23	M82	Y	-7.041	-8.256	1.665	2.497
24	M82	Y	-8.256	-6.578	2.497	3.329
25	M82	Y	-6.578	-3.469	3.329	4.162
26	M83A	Y	-3.463	-6.544	0	.832
27	M83A	Y	-6.544	-8.189	.832	1.665
28	M83A	Y	-8.189	-6.901	1.665	2.497
29	M83A	Y	-6.901	-4.226	2.497	3.329
30	M83A	Y	-4.226	-1.665	3.329	4.162

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M58A	Y	-3.169	-8.065	0	.832
2	M58A	Y	-8.065	-13.165	.832	1.665
3	M58A	Y	-13.165	-15.62	1.665	2.497
4	M58A	Y	-15.62	-12.484	2.497	3.329
5	M58A	Y	-12.484	-6.606	3.329	4.162
6	M59A	Y	-6.603	-12.538	0	.832
7	M59A	Y	-12.538	-15.757	.832	1.665
8	M59A	Y	-15.757	-13.437	1.665	2.497
9	M59A	Y	-13.437	-8.443	2.497	3.329
10	M59A	Y	-8.443	-3.595	3.329	4.162
11	M51B	Y	-3.585	-8.447	0	.832
12	M51B	Y	-8.447	-13.432	.832	1.665
13	M51B	Y	-13.432	-15.749	1.665	2.497
14	M51B	Y	-15.749	-12.547	2.497	3.329
15	M51B	Y	-12.547	-6.619	3.329	4.162
16	M52B	Y	-6.605	-12.484	0	.832
17	M52B	Y	-12.484	-15.62	.832	1.665
18	M52B	Y	-15.62	-13.161	1.665	2.497
19	M52B	Y	-13.161	-8.063	2.497	3.329
20	M52B	Y	-8.063	-3.177	3.329	4.162
21	M82	Y	-3.588	-8.449	0	.832
22	M82	Y	-8.449	-13.432	.832	1.665
23	M82	Y	-13.432	-15.747	1.665	2.497
24	M82	Y	-15.747	-12.547	2.497	3.329
25	M82	Y	-12.547	-6.618	3.329	4.162
26	M83A	Y	-6.606	-12.482	0	.832
27	M83A	Y	-12.482	-15.621	.832	1.665
28	M83A	Y	-15.621	-13.163	1.665	2.497
29	M83A	Y	-13.163	-8.061	2.497	3.329
30	M83A	Y	-8.061	-3.176	3.329	4.162

Member Distributed Loads (BLC 89 : BLC 84 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M58A	Y	-.082	-.209	0	.832
2	M58A	Y	-.209	-.341	.832	1.665
3	M58A	Y	-.341	-.405	1.665	2.497
4	M58A	Y	-.405	-.323	2.497	3.329
5	M58A	Y	-.323	-.171	3.329	4.162
6	M59A	Y	-.171	-.325	0	.832
7	M59A	Y	-.325	-.408	.832	1.665
8	M59A	Y	-.408	-.348	1.665	2.497
9	M59A	Y	-.348	-.219	2.497	3.329
10	M59A	Y	-.219	-.093	3.329	4.162
11	M51B	Y	-.093	-.219	0	.832

Member Distributed Loads (BLC 89 : BLC 84 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
12	M51B	Y	-.219	-.348	.832	1.665
13	M51B	Y	-.348	-.408	1.665	2.497
14	M51B	Y	-.408	-.325	2.497	3.329
15	M51B	Y	-.325	-.171	3.329	4.162
16	M52B	Y	-.171	-.323	0	.832
17	M52B	Y	-.323	-.405	.832	1.665
18	M52B	Y	-.405	-.341	1.665	2.497
19	M52B	Y	-.341	-.209	2.497	3.329
20	M52B	Y	-.209	-.082	3.329	4.162
21	M82	Y	-.093	-.219	0	.832
22	M82	Y	-.219	-.348	.832	1.665
23	M82	Y	-.348	-.408	1.665	2.497
24	M82	Y	-.408	-.325	2.497	3.329
25	M82	Y	-.325	-.171	3.329	4.162
26	M83A	Y	-.171	-.323	0	.832
27	M83A	Y	-.323	-.405	.832	1.665
28	M83A	Y	-.405	-.341	1.665	2.497
29	M83A	Y	-.341	-.209	2.497	3.329
30	M83A	Y	-.209	-.082	3.329	4.162

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	M58A	Z	-.205	-.523	0	.832
2	M58A	Z	-.523	-.853	.832	1.665
3	M58A	Z	-.853	-1.013	1.665	2.497
4	M58A	Z	-1.013	-.809	2.497	3.329
5	M58A	Z	-.809	-.428	3.329	4.162
6	M59A	Z	-.428	-.813	0	.832
7	M59A	Z	-.813	-1.021	.832	1.665
8	M59A	Z	-1.021	-.871	1.665	2.497
9	M59A	Z	-.871	-.547	2.497	3.329
10	M59A	Z	-.547	-.233	3.329	4.162
11	M51B	Z	-.232	-.548	0	.832
12	M51B	Z	-.548	-.871	.832	1.665
13	M51B	Z	-.871	-1.021	1.665	2.497
14	M51B	Z	-1.021	-.813	2.497	3.329
15	M51B	Z	-.813	-.429	3.329	4.162
16	M52B	Z	-.428	-.809	0	.832
17	M52B	Z	-.809	-1.013	.832	1.665
18	M52B	Z	-1.013	-.853	1.665	2.497
19	M52B	Z	-.853	-.523	2.497	3.329
20	M52B	Z	-.523	-.206	3.329	4.162
21	M82	Z	-.233	-.548	0	.832
22	M82	Z	-.548	-.871	.832	1.665
23	M82	Z	-.871	-1.021	1.665	2.497
24	M82	Z	-1.021	-.813	2.497	3.329
25	M82	Z	-.813	-.429	3.329	4.162
26	M83A	Z	-.428	-.809	0	.832
27	M83A	Z	-.809	-1.013	.832	1.665
28	M83A	Z	-1.013	-.853	1.665	2.497
29	M83A	Z	-.853	-.523	2.497	3.329
30	M83A	Z	-.523	-.206	3.329	4.162

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	M58A	X	.205	.523	0	.832

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

Member	Shape	Code Check	L...	LC	Shear C...	Loc.....	phi*P...	phi*P...	phi*M...	phi*M.....	Eqn			
50	MP3B	PIPE_2.0	.369	5...	2	.056	5.1...	2	17855..	32130	1.872	1.872	... H1-1b	
51	M43	HSS4X4...	.172	0	24	.053	0	y	13	13626..	139518	16.181	16.181	... H1-1b
52	M78	HSS4X4...	.166	0	16	.051	0	y	17	13626..	139518	16.181	16.181	... H1-1b
53	M54	HSS4X4...	.166	0	20	.050	0	y	45	13626..	139518	16.181	16.181	... H1-1b
54	MP3A	PIPE_2.0	.368	5...	10	.048	3.9...	3	17855..	32130	1.872	1.872	... H1-1b	
55	OVP	PIPE_2.0	.195	3.5	12	.016	3.5		12	26521..	32130	1.872	1.872	... H1-1b
56	M58A	L2x2x3	.131	0	11	.012	0	y	13	9823...	23392..	.558	1.114	... H2-1
57	M82	L2x2x3	.135	0	6	.012	0	y	21	9823...	23392..	.558	1.083	... H2-1
58	M51B	L2x2x3	.135	4...	1	.012	0	y	17	9823...	23392..	.558	1.077	... H2-1
59	M83A	L2x2x3	.130	0	5	.012	0	y	14	9823...	23392..	.558	1.078	... H2-1
60	M52B	L2x2x3	.133	4...	12	.012	0	y	22	9823...	23392..	.558	1.083	... H2-1
61	M59A	L2x2x3	.131	4...	8	.012	0	y	18	9823...	23392..	.558	1.083	... 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	N3	max	818.181	10	2745.153	13	2364.982	1	5.889	1	1.271	4	.521	5
2		min	-816.323	4	179.938	7	-2522.853	7	-1.342	7	-1.252	10	-.37	11
3	N142B	max	1869.976	9	2495.298	21	1073.522	3	.774	3	1.105	12	.846	3
4		min	-2052.713	3	112.126	3	-1008.881	9	-2.682	9	-1.112	6	-4.486	9
5	N145	max	2022.673	11	2484.558	17	1303.853	12	.452	11	1.157	8	4.692	5
6		min	-1842.236	5	39.014	11	-1207.992	6	-2.573	5	-1.123	2	-1.287	11
7	Totals:	max	4366.443	10	6933.06	15	4475.845	1						
8		min	-4366.439	4	2474.752	72	-4475.833	7						

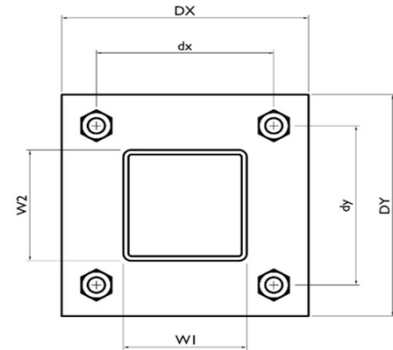
I. Mount-to-Tower Connection Check

Custom Orientation Required

Tower Connection Bolt Checks

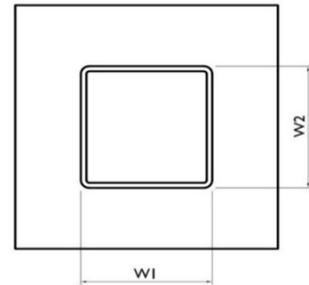
Bolt Orientation

Bolt Quantity per Reaction:	4
d_x (in) (Delta X of typ. bolt config. sketch) :	5.5
d_y (in) (Delta Y of typ. bolt config. sketch) :	5.5
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength / bolt (kips):	7.1
Required Shear Strength / bolt (kips):	0.6
Tensile Capacity / bolt (kips):	20.7
Shear Capacity / bolt (kips):	12.4
Bolt Overall Utilization:	34.1%



Tower Connection Baseplate Checks

Connecting Standoff Member Shape:	Rect Tube
Weld Stiffener Configuration:	No Stiffeners
Plate Width, D_x (in):	8
Plate Height, D_y (in):	8
W_1 (in):	4
W_2 (in):	4
Member Thickness (in):	0.25
Stiffener location a_1 (in):	
Stiffener location b_1 (in):	
Stiffener location a_2 (in):	
Stiffener location b_2 (in):	
F_y (ksi, plate):	36
Plate Thickness (in):	0.75
Length of Yield Line, L_y (in):	5.63
Bolt Eccentricity, e (in):	1.29
M_u (kip-in):	9.14
$\Phi * M_n$ (kip-in):	25.64
Plate Bending Utilization:	35.6%



Tower Connection Weld Checks

Weld Shape:
 Weld Stiffener Configuration:
 Stiffener Notch Length, n (in):
 Weld Size (1/16 in):
 W1 (in):
 W2 (in):
 Weld Total Length (in):
 Z_x (in³/in):
 Z_y (in³/in):
 J_p (in⁴/in):
 c_x (in)
 c_y (in)
 Required combined strength (kip/in):
 Weld Capacity (kip/in):
 Weld Utilization:

Yes
Rectangle
None
6
4
4
16.00
21.33
21.33
85.33
2.25
2.25
2.33
8.35
27.9%

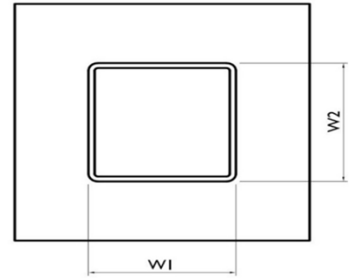
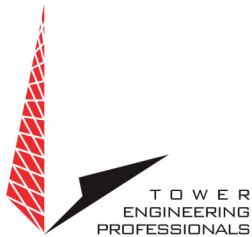


EXHIBIT 5





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Non-Ionizing Electromagnetic Radiation (NIER) Study

Site Number:

310968

Site Name:

WSPT-Westport Rebuild CT

Location:

Westport, Connecticut

Tenants:

Town of Westport, Eversource Energy, Senet Inc., AT&T Mobility, Dish
Wireless, T-Mobile, & Verizon Wireless

Prepared For:

American Tower, Inc.
Woburn, Massachusetts

September 10th, 2023

100564 P-405485

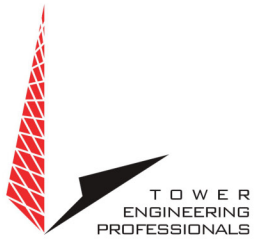
Prepared By:

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. BRANTLEY", "35506", and "LICENSED PROFESSIONAL ENGINEER". A blue ink signature is written over the seal, and the date "09/15/2023" is written in blue ink to the right of the seal.

09/15/2023



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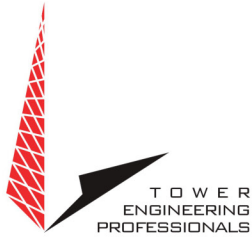
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Non-Ionizing Electromagnetic Radiation (NIER) Study

310968 WSPT-Westport Rebuild CT
Westport, 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.

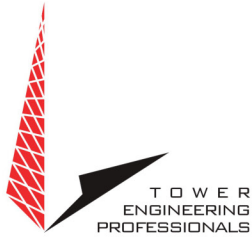
SITE AND FACILITY CONSIDERATIONS

Site 310968 WSPT-Westport Rebuild CT is located at 180A Bayberry Ln., in Westport, Connecticut at coordinates 41.171644, -73.328614. The support structure is a 141' monopole. An aerial view of the tower can be found in Appendix 1, Site Photos. The tenants are Town of Westport (TWP), Eversource Energy (Eversource), Senet Inc. (Senet), AT&T Mobility (AT&T), Dish Wireless (Dish), T-Mobile (T-Mobile), & 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 180 from the base of the tower with a height of 6' above ground level was used, beyond 180' 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 310968 WSPT-WESTPORT REBUILD CT.RF NIER Study 8/25/23.
- FCC databases.
- Carrier standard configurations.
- Empirical data collected by TEP.

SITE MITIGATION & CONTROL

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

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

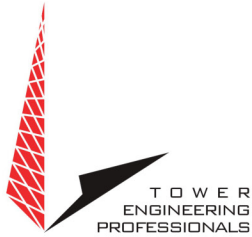
COMPLIANCE DETERMINATION

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

APPENDIX 1 Site Photos



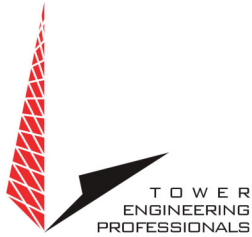
Aerial View of Site



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Appendix 2.1 Antenna Inventory

310968 WSPT-West Port Rebuld CT							
Antenna Inventory							
Antenna #	Carrier	Antenna Manufacturer	Antenna Model	Frequency Band (MHz)	Azimuth (°)	Effective Radiated Power (W)	Radiation Center (ft)
1	TWP	dbSpectra	DS7C09P36U-D	700	000	2311	147
2	TWP	dbSpectra	DS7C09P36U-D	700	180	2311	147
3	TWP	dbSpectra	DS7C09P36U-D	700	360	2311	147
4	TWP	Generic	12' Omni	unknown	256	2311	144.2
5	TWP	Generic	12' Omni	unknown	023	2311	144.2
6	TWP	Generic	8' Omni	unknown	062	2010	143.5
7	TWP	Generic	8' Omni	unknown	329	2010	143.5
8	TWP	Generic	Dipole	unknown	000	0	141
9	TWP	RFS	SC3-W100AB	11000	275	198180	140
10	TWP	Generic	12' Omni	unknown	256	2311	138
11	TWP	Generic	6' Omni	unknown	256	1800	138
12	TWP	Generic	6' FM antenna	unknown	275	0	138
13	T-Mobile	Commscope	VV-65A-R1B	1900/2100	060	25027	142
14	T-Mobile	Commscope	VV-65A-R1B	1900/2100	160	25027	142
15	T-Mobile	Commscope	VV-65A-R1B	1900/2100	260	25027	142
16	T-Mobile	Ericsson	Air 6419	2500/2600	060	20253	142
17	T-Mobile	Ericsson	Air 6419	2500/2600	160	20253	142
18	T-Mobile	Ericsson	Air 6419	2500/2600	260	20253	142
19	T-Mobile	RFS	APXVAALL24	600	060	11065	142
20	T-Mobile	RFS	APXVAALL24	600	160	11065	142
21	T-Mobile	RFS	APXVAALL24	600	260	11065	142
22	Eversource	Generic	9' Omni	900	127	1574	126
23	Eversource	Andrew	Db586	900	001	1574	121
24	Senet	Dimond	X50A	100/400	285	983	116.2
25	Senet	Dimond	X50A	100/400	217	983	116.2
26	Verizon	Commscope	JAHH-65B-R3B	700/800/1900/2100/2300	030	59387	114
27	Verizon	Commscope	JAHH-65B-R3B	700/800/1900/2100/2300	150	59387	114
28	Verizon	Commscope	JAHH-65B-R3B	700/800/1900/2100/2300	270	59387	114

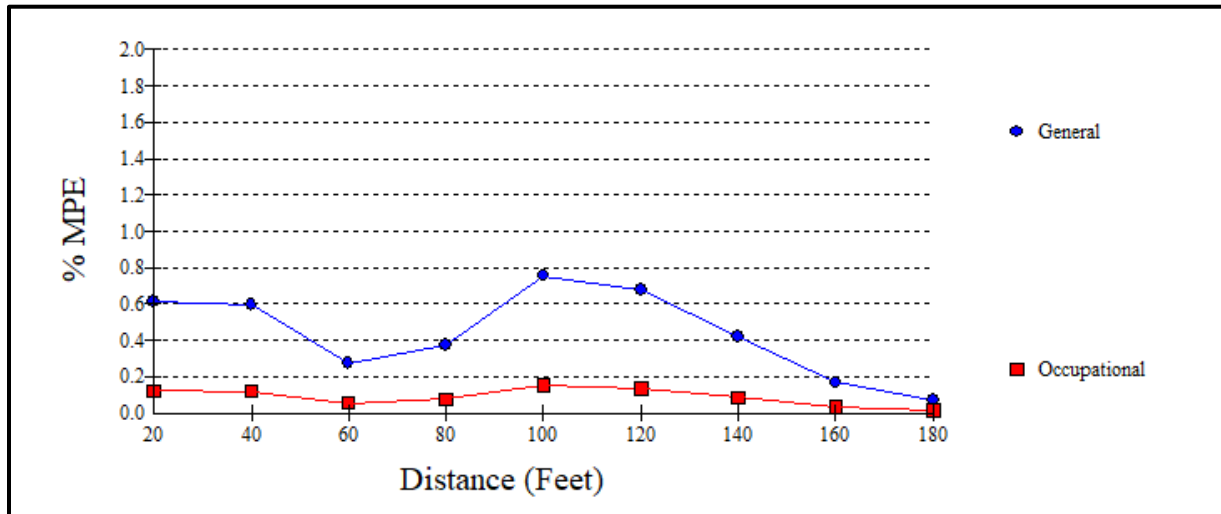


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Appendix 2.2 Antenna Inventory

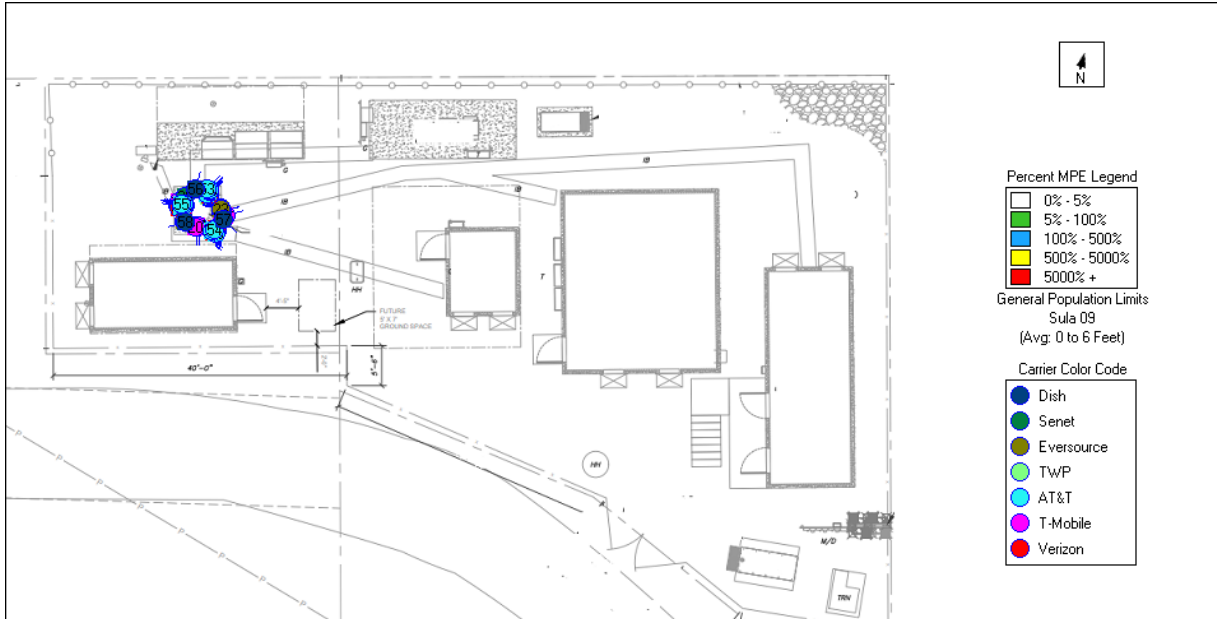
310968 WSPT-West Port Rebuild CT							
Antenna Inventory							
Antenna #	Carrier	Antenna Manufacturer	Antenna Model	Frequency Band (MHz)	Azimuth (°)	Effective Radiated Power (W)	Radiation Center (ft)
29	Verizon	Commscope	JAHH-65B-R3B	700/800/1900/2100/2300	030	59387	114
30	Verizon	Commscope	JAHH-65B-R3B	700/800/1900/2100/2300	150	59387	114
31	Verizon	Commscope	JAHH-65B-R3B	700/800/1900/2100/2300	270	59387	114
32	Verizon	Samsung	MT6407-77A	3700/3800/3900	030	18700	114
33	Verizon	Samsung	MT6407-77A	3700/3800/3900	150	18700	114
34	Verizon	Samsung	MT6407-77A	3700/3800/3900	270	18700	114
35	Verizon	Antel	BXA-70080	800	030	15310	114
36	Verizon	Antel	BXA-70080	800	150	15310	114
37	Verizon	Antel	BXA-70080	800	270	15310	114
38	Verizon	Antel	BXA-171063/8CF	3500/3600/3700	030	7655	114
39	Verizon	Antel	BXA-171063/8CF	3500/3600/3700	150	7655	114
40	Verizon	Antel	BXA-171063/8CF	3500/3600/3700	270	7655	114
41	Verizon	Samsung	XXDWMM-12.5	3500/3600/3700	030	1219	114
42	Verizon	Samsung	XXDWMM-12.5	3500/3600/3700	150	1219	114
43	Verizon	Samsung	XXDWMM-12.5	3500/3600/3700	270	1219	114
44	AT&T	Ericsson	Air 6449	3700/3800/3900	030	59387	102
45	AT&T	Ericsson	Air 6449	3700/3800/3900	150	59387	102
46	AT&T	Ericsson	Air 6449	3700/3800/3900	270	59387	102
47	AT&T	CCI	DMP65R-BU8D	700/800	030	12680	100
48	AT&T	CCI	DMP65R-BU8D	700/800	150	12680	100
49	AT&T	CCI	DMP65R-BU8D	700/800	270	12680	100
50	AT&T	CCI	TPA-65R-BU6DA-K	700/1700/1800	030	70302	100
51	AT&T	CCI	TPA-65R-BU6DA-K	700/1700/1800	150	70302	100
52	AT&T	CCI	TPA-65R-BU6DA-K	700/1700/1800	270	70302	100
53	AT&T	Ericsson	Air 6419	3700/3800/3900	030	20300	98
54	AT&T	Ericsson	Air 6419	3700/3800/3900	150	20300	98
55	AT&T	Ericsson	Air 6419	3700/3800/3900	270	20300	98
56	Dish	JMA	MX08FRO665-21	600/1900/2000/2100	000	48332	77
57	Dish	JMA	MX08FRO665-21	600/1900/2000/2100	120	48332	77
58	Dish	JMA	MX08FRO665-21	600/1900/2000/2100	240	48332	77

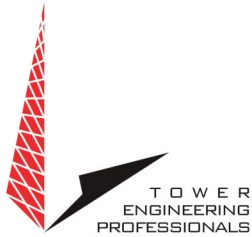
Appendix 3.1 MPE Limit Study



Maximum Power Density (@100'):	0.0046 mW/cm ²
General Population MPE (@100'):	0.7535%
Occupational MPE (@100'):	0.1507%

Appendix 3.2 MPE Limit Study





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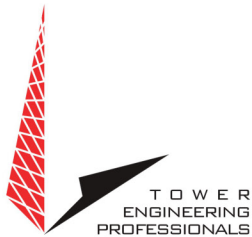
Appendix 4 Information Pertaining to MPE Studies

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

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

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

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



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MPE limits are defined in terms of power density (units of milliwatts per centimeter squared: 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.

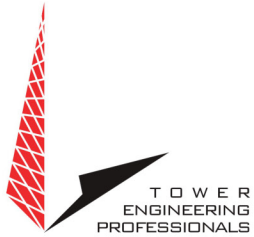


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Appendix 5 MPE Standards Methodology

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

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



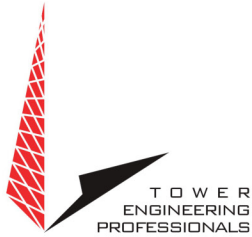
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The FCC's limits for exposure at different frequencies are shown in the following Tables.

Limits for Occupational/Controlled Exposure				
Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm 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.

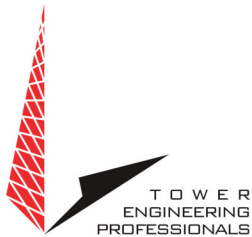
Limits for General Population/Uncontrolled Exposure				
Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3 - 1.34	614	1.63	100*	30
1.34 - 30	824/f	2.19/f	180/F ²	30
30 -300	27.5	0.073	0.2	30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



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

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

Cylindrical Model (Near Field Predictions)

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

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

Where:

S = Power Density

P = Total Power into antenna

R = Distance from the antenna

L = Antenna aperture length



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

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

Where:

S = Power Density

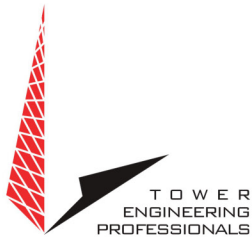
θ_{BW} = Beam width of antenna in degrees (3 dB half-power point)

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.



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Spherical Model (Far Field Predictions)

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

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

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

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

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

Where:

S = Power Density

EIRP = Effective Radiated Power from antenna

Rc = Reflection Coefficient (2.56)

R = Distance from the antenna

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

EXHIBIT 6



DOCKET NO. 45

AN APPLICATION SUBMITTED BY THE SOUTHERN NEW ENGLAND TELEPHONE COMPANY FOR A CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED FOR THE CONSTRUCTION, MAINTENANCE, AND OPERATION OF FACILITIES TO PROVIDE CELLULAR SERVICE IN FAIRFIELD COUNTY. : CONNECTICUT SITING COUNCIL : September 14, 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:

Kaechele Place, Bridgeport, Connecticut;
Connecticut Avenue, Norwalk, Connecticut;
Nells Rock Road, Shelton, Connecticut;
Newfield Avenue, Stamford, Connecticut; and
Bayberry Lane, (former Nike site), Westport, 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 shall be no taller than necessary to provide the proposed service, and in no event shall exceed
 - a) 167' at the Bridgeport site,
 - b) 167' at the Norwalk site,
 - c) 189.5' at the Shelton site,
 - d) 167' at the Stamford site,
 - e) 117' at the Westport 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 Bridgeport, Stamford, and Westport 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 consult with the Stamford Environmental Protection Board in the preparation of a drainage and erosion control plan for the Stamford tower. 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 Bridgeport Post, the Norwalk Hour, the Stamford Advocate, and the Shelton Suburban News, and the Westport News.

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

Rolnick Observatory represented by:
52 Sawyer Road
Fairfield, Connecticut
Frederick H. Bump
Director

Mr. Adam Norton
40 Highland Road
Westport, Connecticut 06880

Representative John Wayne Fox (service waived)
13 Apple Tree Drive
Stamford, Connecticut 06906

Mr. George C. Lenfest
4 Highland Road
Westport, Connecticut

Mr. William Seiden
First Selectman
Town of Westport
110 Myrtle Avenue
P.O. Box 549
Westport, Connecticut 06881

Mr. Arthur L. Schimel
174 Bayberry Lane
Westport, Connecticut

Mr. Seymour Bendremer
11 Apache Trail
Westport, Connecticut

Ms. Gladys Floch
32 Woody Lane
Westport, Connecticut

Ms. Helen S. Cohen
15 Highland Road
Westport, Connecticut (service waived)

Mr. Jack Braverman
226 Bayberry Lane
Westport, Connecticut

Mr. Kevin Gavin
191 Bayberry Lane
Westport, Connecticut (service waived)

Mr. A.B. Beiser
12 Highland Road
Westport, Connecticut

Mr. Edward V. Polusky
4 Hooper Road
Westport, Connecticut (service waived)

Ms. Lois Schine

represented by:

Mary D. Mix, Esquire
830 Post Road - East
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Westport, Connecticut 06880

Mr. Allen Witt
3 Apache Trail
Westport, Connecticut

Ms. Gayle Shiller
5 Apache Trail
Westport, Connecticut (service waived)

Mrs. Ronnie Hammer
3 Hooper Road
Westport, Connecticut

Mr. Paul Rosenblatt
7 Apache Trail
Westport, Connecticut

(service waived)

Mr. Henry J. Wolfson
179 Bayberry Lane
Westport, Connecticut

(service waived)

Mr. Melvin H. Barr
Planning Director
Town of Westport
110 Myrtle Avenue
P.O. Box 549
Westport, Connecticut 06881

(service waived)

Mr. Mark Infeld
6 Apache Trail
Westport, Connecticut

(service waived)

Ms. Barbara Saipe
Representative Town
Meeting Member
District #8
Town Hall
P.O. Box 549
Westport, Connecticut 06881

(service waived)

Ms. Peggy Goldenberg
201 Bayberry Lane
Westport, Connecticut

(service waived)

Ms. Martha Hauhuth
Board of Selectman
Town Hall
P.O. Box 549
Westport, Connecticut 06881

(service waived)

Ms. Meg Coffee
32 Otter Trail
Westport, Connecticut

(service waived)

STATE OF CONNECTICUT

)

COUNTY OF HARTFORD

:

)

ss. New Britain, September 14, 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



Your shipment from



CENTERLINE SITE ACQUISITION

✓ Delivered On

Monday, September 25 at 10:06 A.M. at Inside Delivery

Delivered To

Westport town hall
110 MYRTLE AVE
WESTPORT, CT 06880 US

Received By:

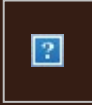
PAUL
[Proof of Delivery](#)

Get Updates >

File a Claim

[View Details](#)

From: [UPS](#)
To: [Barbara Kassabian](#)
Subject: UPS Delivery Notification, Tracking Number 1Z9Y45030325701469
Date: Monday, September 25, 2023 10:08:10 AM



Hello, your package has been delivered.

Delivery Date: Monday, 09/25/2023

Delivery Time: 10:06 AM

Signed by: PAUL



[Set Delivery Instructions](#)

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CENTERLINE SITE ACQUISITION

Tracking Number:	1Z9Y45030325701469
Ship To:	DANIELLE DOBIN 110 MYRTLE AVE ROOM 203 WESTPORT, CT 068803514 US
Number of Packages:	1
UPS Service:	UPS Ground
Package Weight:	1.0 LBS
Reference Number:	14519511

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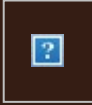
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Subject: UPS Delivery Notification, Tracking Number 1Z9Y45030303456187
Date: Monday, September 25, 2023 10:53:00 AM



Hello, your package has been delivered.

Delivery Date: Monday, 09/25/2023

Delivery Time: 10:51 AM

Left At: DOCK

Signed by: ANCRI

CENTERLINE SITE ACQUISITION

Tracking Number:	1Z9Y45030303456187
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:	14519511

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