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

February 20, 2024

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

RE: Notice of Exempt Modification // Site: WATERFORD SE CT (ATC: 310972)
85 Miner Lane, Waterford CT 06385
N 41.32904616 // W -72.12460961

Dear Ms. Bachman,

Cellco Partnership d/b/a Verizon Wireless currently maintains twelve (12) antenna at the 160-ft level on the existing 180ft tower, located at 85 Miner Lane, Waterford, CT. The tower is owned by American Tower. The property is owned by The Town of Waterford. The Council approved Verizon Wireless use of the existing tower in July 2013. Verizon Wireless proposed modification involves the installation of new mount modifications, three (3) side by mounts and (3) diplexers and the removal of existing equipment on Verizon Wireless existing antenna platform and mounting assembly.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies §16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to Waterford's Chief Elected Official and Land Use Officer.

The planned modifications to the facility fall squarely within those activities explicitly provided for in R.C.S.A. § 16-50j-72(b)(2). Enclosed to accommodate this filing are construction drawings dated February 8, 2024, by A.T. Engineering Services, LLC, a structural analysis dated January 22, 2024, by American Tower Corp., and a structural mount analysis by Colliers Engineering and Design dated November 6, 2023, and Non-Ionizing Electromagnetic Radiation (NIER) Study dated January 22, 2024 by Tower Engineering Professionals.

1. The proposed modifications will not result in an increase in the height of the existing structure.

2. The proposed modifications will not require the extension of the site boundary.

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

4. The operation of the new antennas will not increase radio frequency emissions at the facility to a level at or above the Federal Communications Commission safety standard.

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

6. The existing structure and its foundation can support the proposed loading, as shown in the attached structural analysis and a structural mount analysis pursuant to certain conditions defined therein..

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

Sincerely,

Derek Maheux

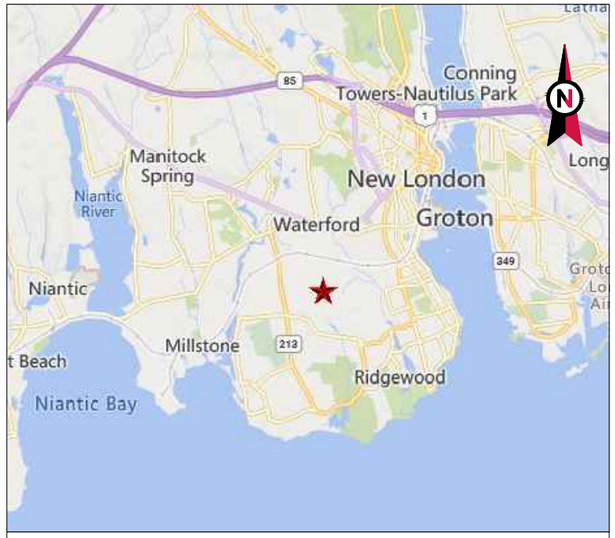
_____

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) 649 230
Dmaheux@clinellc.com

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: Rob Bruel – First Selectman – Chief Elected Official
Jonathan Mullen, Planning Director - as P&Z official
American Tower Corporation - as tower owner
Town of Waterford – as ground owner

EXHIBIT 1



VICINITY MAP

AMERICAN TOWER®

ATC SITE NAME: WATERFORD REBUILD CT
ATC SITE NUMBER: 310972
VERIZON SITE NAME: WATERFORD SE CT
VERIZON SITE NUMBER: 5000094194
VERIZON FUZE PID: 16067742
SITE ADDRESS: 15 MINER LANE
WATERFORD,CT 06385

LOCATION MAP

VERIZON AMENDMENT DRAWINGS

COMPLIANCE CODE

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.

2021 IBC
NATIONAL ELECTRICAL CODE (NFPA 70, NEC 2020 W/ AMND)
2022 CONNECTICUT STATE BUILDING CODE, IMC PORTION (IMC 2021 W/ AMND)
2022 CONNECTICUT STATE BUILDING CODE, IPC PORTION (IPC 2021 W/ AMND)
2022 CONNECTICUT STATE BUILDING CODE, IECC PORTION (IECC 2021 W/ AMND)
PART III OF THE 2022 CT STATE FIRE SAFETY CODE (IFC 2021 W/ AMND)
2022 CONNECTICUT STATE BUILDING CODE, IEBC PORTION (IEBC 2021 W/ AMND)
2022 CONNECTICUT STATE BUILDING CODE
2022 CONNECTICUT STATE BUILDING CODE, IRC PORTION (IRC 2021 W/ AMND)
CONNECTICUT STATE FUEL GAS CODE (IFGC 2021 W/ AMND)

UTILITY COMPANIES

POWER COMPANY: EVERSOURCE
PHONE: (877) 659-6326

TELEPHONE COMPANY: FRONTIER COMMUNICATIONS
PHONE: (877) 641-3250

811 Know what's below. Call before you dig.

PROJECT SUMMARY

SITE ADDRESS:

15 MINER LANE
WATERFORD,CT 06385
COUNTY: NEW LONDON

GEOGRAPHIC COORDINATES:

LATITUDE: 41° 19' 44.624" N

LONGITUDE: 72° 7' 28.566" W

GROUND ELEVATION: 94' AMSL

PROJECT TEAM

TOWER OWNER:

AMERICAN TOWER
10 PRESIDENTIAL WAY
WOBURN, MA 01801

APPLICANT:

VERIZON WIRELESS

ENGINEER:

A.T. ENGINEERING SERVICES LLC
1 FENTON MAIN, STE 300
CARY, NC 27511

PROPERTY OWNER:

WATERFORD CT
15 MINER LANE
WATERFORD,CT 06385

PROJECT DESCRIPTION

THE PROPOSED PROJECT INCLUDES MODIFYING GROUND BASED AND TOWER MOUNTED EQUIPMENT AS INDICATED PER BELOW:

REMOVE (12) ANTENNA(s) AND (9) RRH(s)
INSTALL MOUNT MODIFICATIONS, (3) SIDE-BY-SIDE MOUNT(s), (9) ANTENNA(s), (6) RRH(s), AND (3) DIPLEXER(s)
EXISTING (2) OVP(s), (12) 1-5/8" COAX AND (2) 6X12 FIBER CABLE(s) TO REMAIN

PROJECT NOTES

1. THE FACILITY IS UNMANNED.
2. A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE.
3. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE.
4. NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED.
5. HANDICAP ACCESS IS NOT REQUIRED.
6. THE PROJECT DEPICTED IN THESE PLANS QUALIFIES AS AN ELIGIBLE FACILITIES REQUEST ENTITLED TO EXPEDITED REVIEW UNDER 47 U.S.C. § 1455(A) AS A MODIFICATION OF AN EXISTING WIRELESS TOWER THAT INVOLVES THE COLLOCATION, REMOVAL, AND/OR REPLACEMENT OF TRANSMISSION EQUIPMENT THAT IS NOT A SUBSTANTIAL CHANGE UNDER CFR § 1.61000 (B)(7).

PROJECT LOCATION DIRECTIONS

FROM HARTFORD TAKE I-91 SOUTH TO RT 9 SOUTH TO I-95 NORTH. TAKE EXIT 75 FOR RT 1 NORTH. TAKE RT 1 TO MINER LANE IN WATERFORD, TURN RIGHT. SITE IS TOWARDS END OF ROAD IN TOWN LANDFILL ON THE RIGHT.

SHEET INDEX

SHEET NO:	DESCRIPTION:	REV:	DATE:	BY:
G-001	TITLE SHEET	0	02/08/24	TJC
G-002	GENERAL NOTES	0	02/08/24	TJC
C-101	DETAILED SITE PLAN	0	02/08/24	TJC
C-201	TOWER ELEVATION	0	02/08/24	TJC
C-401	ANTENNA INFORMATION & SCHEDULE	0	02/08/24	TJC
C-501	CONSTRUCTION DETAILS	0	02/08/24	TJC
E-501	GROUNDING DETAILS	0	02/08/24	TJC
R-601	SUPPLEMENTAL			
R-602	SUPPLEMENTAL			
R-603	SUPPLEMENTAL			
R-604	SUPPLEMENTAL			

CONTRACTOR PMI REQUIREMENTS

PMI ACCESSED AT:	HTTPS://PMI.VZWSMART.COM
SMART TOOL VENDOR PROJECT NUMBER:	10213277
VZW LOCATION CODE (PSLC):	5000094194

***PMI AND REQUIREMENTS ALSO EMBEDDED IN MOUNT ANALYSIS REPORT

MOUNT MODIFICATION REQUIRED:	YES
VZW APPROVED SMART KIT VENDORS:	REFER TO MOUNT MODIFICATION DRAWINGS PAGES FOR VZW SMART KIT APPROVED VENDORS

AMERICAN TOWER®
A.T. ENGINEERING SERVICES LLC
1 FENTON MAIN
SUITE 300
CARY, NC 27511
PHONE: (919) 468-0112
PEC.0001553

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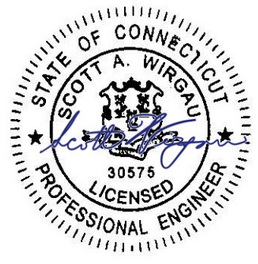

verizon

ATC JOB NO:	14568931_G0
CUSTOMER ID:	WATERFORD SE CT
CUSTOMER #:	5000094194

TITLE SHEET

SHEET NUMBER:	REVISION:
G-001	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 ANSI/EIA/TIA-222, AND COMPLY WITH ATC CONSTRUCTION SPECIFICATIONS.
4. CONTRACTOR SHALL CONTACT LOCAL 811 FOR IDENTIFICATION OF UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIRED INSPECTIONS.
6. ALL DIMENSIONS TO, OF, AND ON EXISTING BUILDINGS, DRAINAGE STRUCTURES, AND SITE IMPROVEMENTS SHALL BE VERIFIED IN FIELD BY CONTRACTOR WITH ALL DISCREPANCIES REPORTED TO THE ENGINEER.
7. DO NOT CHANGE SIZE OR SPACING OF STRUCTURAL ELEMENTS.
8. DETAILS SHOWN ARE TYPICAL; SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.
9. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
10. CONTRACTOR SHALL BRACE STRUCTURES UNTIL ALL STRUCTURAL ELEMENTS NEEDED FOR STABILITY ARE INSTALLED. THESE ELEMENTS ARE AS FOLLOWS: LATERAL BRACING, ANCHOR BOLTS, ETC.
11. CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES, GROUNDS DRAINS, DRAIN PIPES, VENTS, ETC. BEFORE COMMENCING WORK.
12. INCORRECTLY FABRICATED, DAMAGED, OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE VERIZON REP PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH REMEDIAL ACTION SHALL REQUIRE WRITTEN APPROVAL BY THE VERIZON REP PRIOR TO PROCEEDING.
13. EACH CONTRACTOR SHALL COOPERATE WITH THE VERIZON REP, AND COORDINATE HIS WORK WITH THE WORK OF OTHERS.
14. CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION OF THIS PROJECT TO MATCH EXISTING PRE-CONSTRUCTION CONDITIONS TO THE SATISFACTION OF THE VERIZON CONSTRUCTION MANAGER.
15. ALL CABLE/CONDUIT ENTRY/EXIT PORTS SHALL BE WEATHERPROOFED DURING INSTALLATION USING A SILICONE SEALANT.
16. WHERE EXISTING CONDITIONS DO NOT MATCH THOSE SHOWN IN THIS PLAN SET, CONTRACTOR SHALL NOTIFY THE VERIZON REP AND ENGINEER OF RECORD IMMEDIATELY.
17. CONTRACTOR SHALL ENSURE ALL SUBCONTRACTORS ARE PROVIDED WITH A COMPLETE AND CURRENT SET OF DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT.
18. CONTRACTOR SHALL REMOVE ALL RUBBISH AND DEBRIS FROM THE SITE AT THE END OF EACH DAY.
19. CONTRACTOR SHALL COORDINATE WORK SCHEDULE WITH AMERICAN TOWER CORPORATION (ATC) AND TAKE PRECAUTIONS TO MINIMIZE IMPACT AND DISRUPTION OF OTHER OCCUPANTS OF THE FACILITY.
20. CONTRACTOR SHALL FURNISH VERIZON AND AMERICAN TOWER CORPORATION (ATC) WITH A PDF MARKED UP AS-BUILT SET OF DRAWINGS UPON COMPLETION OF WORK.
21. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH VERIZON REP TO DETERMINE WHAT, IF ANY, ITEMS WILL BE PROVIDED. ALL ITEMS NOT PROVIDED SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. CONTRACTOR WILL INSTALL ALL ITEMS PROVIDED.
22. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH VERIZON REP TO DETERMINE IF ANY PERMITS WILL BE OBTAINED BY CONTRACTOR. ALL REQUIRED PERMITS NOT OBTAINED BY VERIZON MUST BE OBTAINED, AND PAID FOR, BY THE CONTRACTOR.
23. CONTRACTOR SHALL INSTALL ALL SITE SIGNAGE IN ACCORDANCE WITH VERIZON SPECIFICATIONS AND REQUIREMENTS.
24. CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO VERIZON FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
25. ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND LOCATED ACCORDING TO VERIZON SPECIFICATIONS, AND AS SHOWN IN THESE PLANS.
26. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
27. CONTRACTOR SHALL NOTIFY VERIZON REP A MINIMUM OF 48 HOURS IN ADVANCE OF POURING CONCRETE OR BACKFILLING ANY UNDERGROUND UTILITIES, FOUNDATIONS OR SEALING ANY WALL, FLOOR OR ROOF PENETRATIONS FOR ENGINEERING REVIEW AND APPROVAL.
28. WHEN THE PROJECT SCOPE REQUIRES THE USE OF THE SAFETY CLIMB, THE GENERAL CONTRACTOR SHALL ENSURE THE SAFETY CLIMB IS FREE OF OBSTRUCTIONS, NOT RUBBING ON OR TRAPPED BY ANY INSTALLED CUSTOMER EQUIPMENT, IS VISUALLY TAUT, MEETS MANUFACTURER INSTALLATION SPECIFICATIONS, AND IS FIRMLY SECURED AT ALL CABLE GUIDE LOCATIONS UPON PROJECT COMPLETION.
29. COMPLETION OF PROJECT SHALL NOT OBSTRUCT, TRAP, LOOSEN, OR OTHERWISE CAUSE FAILURE TO MEET MANUFACTURER INSTALLATION REQUIREMENTS FOR THE SAFETY CLIMB.
30. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY INCLUDING COMPLIANCE WITH ALL APPLICABLE OSHA STANDARDS AND RECOMMENDATIONS AND SHALL PROVIDE ALL NECESSARY SAFETY DEVICES INCLUDING PPE AND PPM AND CONSTRUCTION DEVICES SUCH AS WELDING AND FIRE PREVENTION, TEMPORARY SHORING, SCAFFOLDING, TRENCH BOXES/SLOPING, BARRIERS, ETC.
31. THE CONTRACTOR SHALL PROTECT AT HIS OWN EXPENSE, ALL EXISTING FACILITIES AND SUCH OF HIS NEW WORK LIABLE TO INJURY DURING THE CONSTRUCTION PERIOD. ANY DAMAGE CAUSED BY NEGLECT ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, OR BY THE ELEMENTS DUE TO NEGLECT ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, EITHER TO THE EXISTING WORK, OR TO HIS WORK OR THE WORK OF ANY OTHER CONTRACTOR, SHALL BE REPAIRED AT HIS EXPENSE TO THE OWNER'S SATISFACTION.
32. ALL WORK SHALL BE INSTALLED IN A FIRST CLASS, NEAT AND WORKMANLIKE MANNER BY MECHANICS SKILLED IN THE TRADE INVOLVED. THE QUALITY OF WORKMANSHIP SHALL BE SUBJECT TO THE APPROVAL OF THE VERIZON REP. ANY WORK FOUND BY THE VERIZON REP TO BE OF INFERIOR QUALITY AND/OR WORKMANSHIP SHALL BE REPLACED AND/OR REWORKED AT CONTRACTOR EXPENSE UNTIL APPROVAL IS OBTAINED.
33. IN ORDER TO ESTABLISH STANDARDS OF QUALITY AND PERFORMANCE, ALL TYPES OF MATERIALS LISTED HEREINAFTER BY MANUFACTURER'S NAMES AND/OR MANUFACTURER'S CATALOG NUMBER SHALL BE PROVIDED BY THESE MANUFACTURERS AS SPECIFIED.
34. VERIZON FURNISHED EQUIPMENT SHALL BE PICKED-UP AT THE VERIZON WAREHOUSE, NO LATER THAN 48HR AFTER BEING NOTIFIED INSURED, STORED, UNCRATE, PROTECTED AND INSTALLED BY THE CONTRACTOR WITH ALL APPURTENANCES REQUIRED TO PLACE THE EQUIPMENT IN OPERATION, READY FOR USE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EQUIPMENT AFTER PICKING IT UP.
35. VERIZON OR HIS ARCHITECT/ENGINEER RESERVES THE RIGHT TO REJECT ANY EQUIPMENT OR MATERIALS WHICH, IN HIS OWN OPINION ARE NOT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS, EITHER BEFORE OR AFTER INSTALLATION AND THE EQUIPMENT SHALL BE REPLACED WITH EQUIPMENT CONFORMING TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE CONTRACTOR AT NO COST TO VERIZON OR THEIR ARCHITECT/ENGINEER.

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

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

AMERICAN TOWER®
A.T. ENGINEERING SERVICES LLC
1 FENTON MAIN
SUITE 300
CARY, NC 27511
PHONE: (919) 468-0112
PEC.0001553

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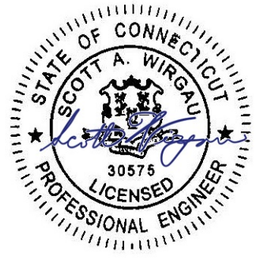

Digitally Signed: 2024-02-08

verizon

ATC JOB NO:	14568931_G0
CUSTOMER ID:	WATERFORD SE CT
CUSTOMER #:	5000094194

GENERAL NOTES

SHEET NUMBER:	REVISION:
G-002	0

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SITE PLAN NOTES:

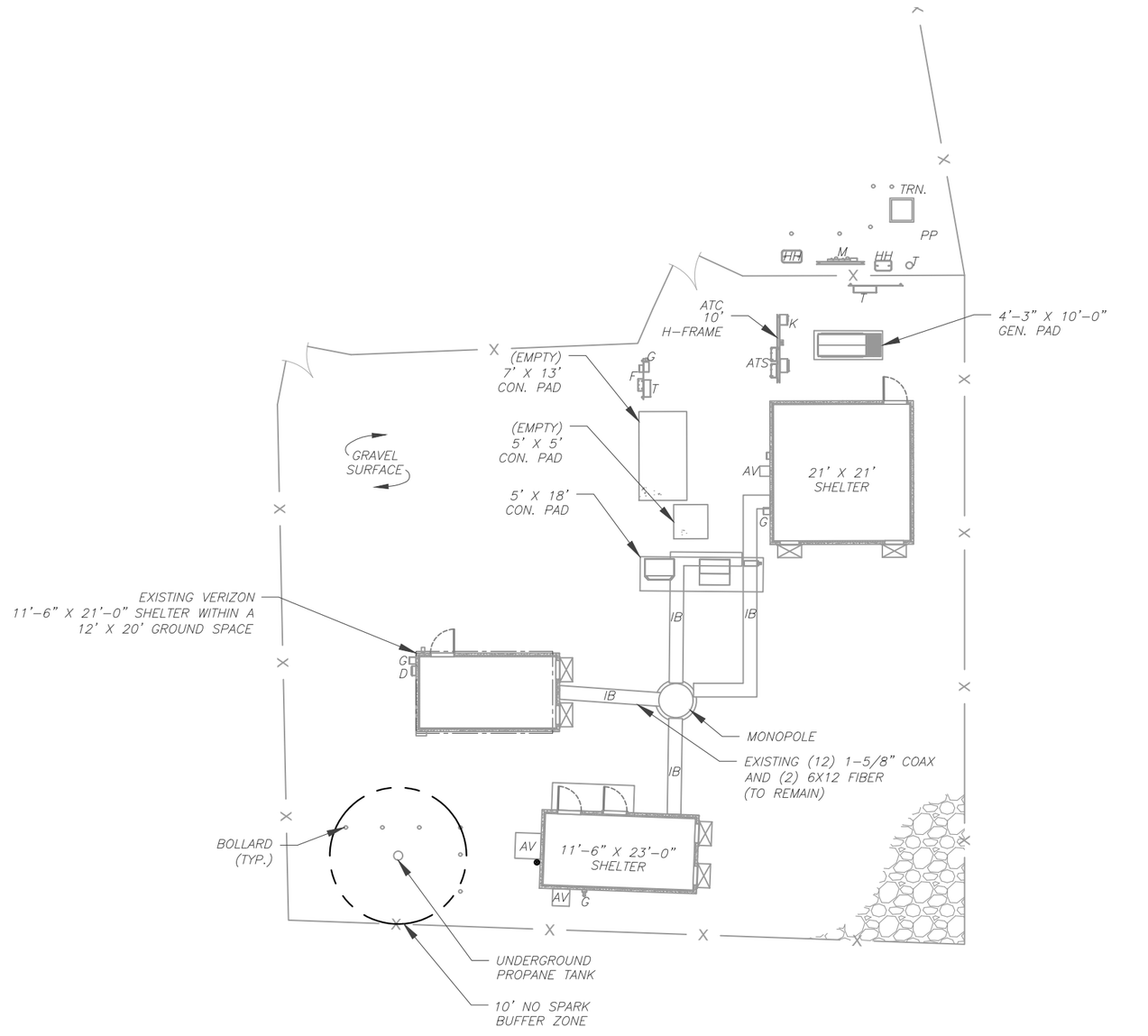
1. THIS SITE PLAN REPRESENTS THE BEST PRESENT KNOWLEDGE AVAILABLE TO THE ENGINEER AT THE TIME OF THIS DESIGN. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO CONSTRUCTION AND VERIFY ALL EXISTING CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT.

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

GRAPHIC SCALE

20 0 10 20

(IN FEET)
1 UNIT = 20 FEET

N

AMERICAN TOWER®

A.T. ENGINEERING SERVICES LLC

1 FENTON MAIN
SUITE 300
CARY, NC 27511
PHONE: (919) 468-0112
PEC.0001553

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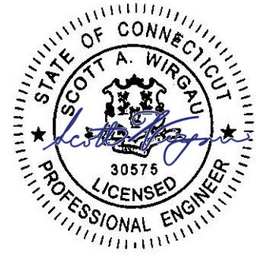
WATERFORD,CT 06385

SEAL:



Digitally Signed: 2024-02-08

verizon

ATC JOB NO:	14568931_G0
CUSTOMER ID:	WATERFORD SE CT
CUSTOMER #:	5000094194

DETAILED SITE PLAN

SHEET NUMBER:	REVISION:
C-101	0

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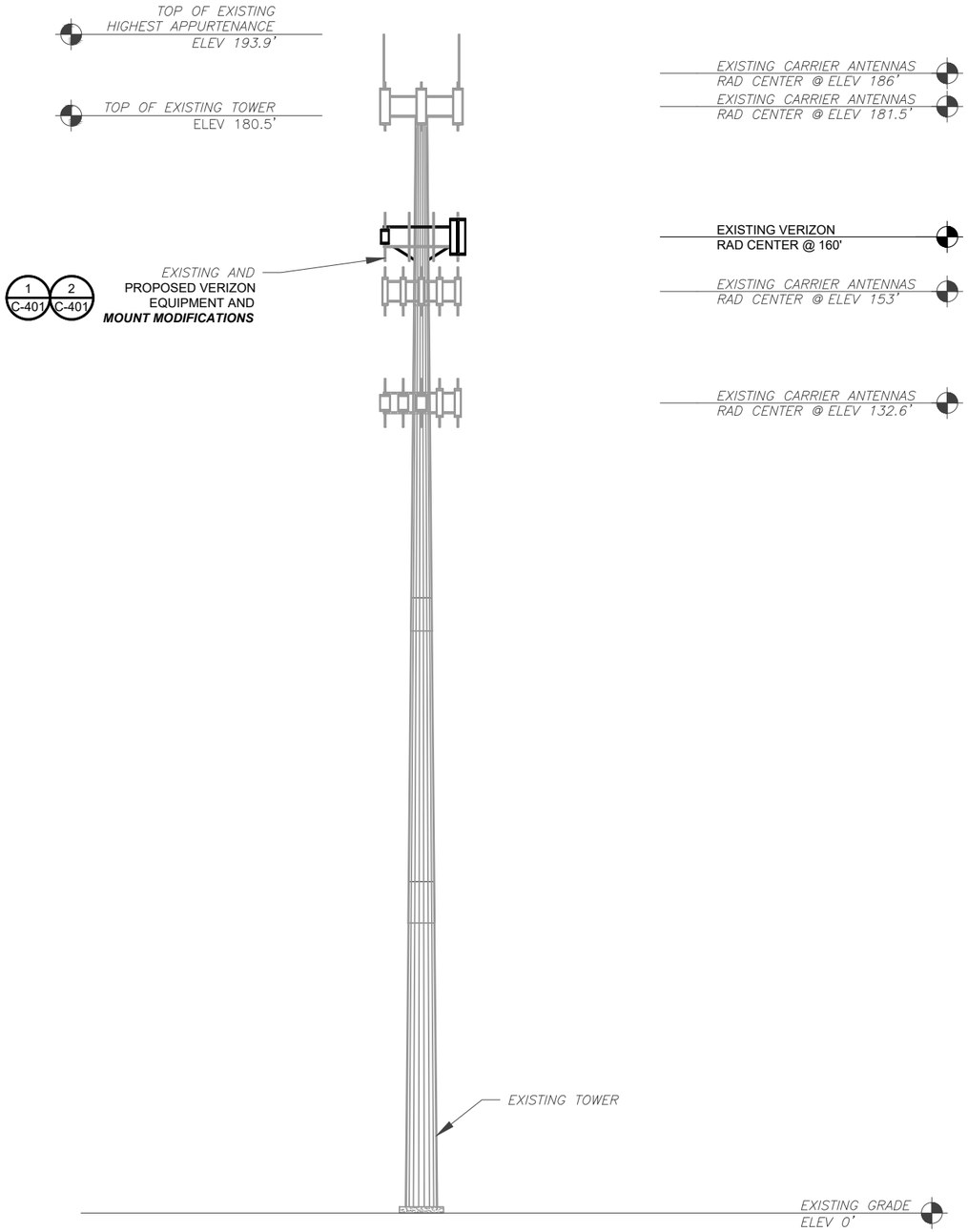
PER MOUNT ANALYSIS COMPLETED BY COLLIERS ENGINEERING AND DESIGN, DATED 11/06/2023, THE EXISTING MOUNT MUST BE MODIFIED TO ADEQUATELY SUPPORT THE PROPOSED LOADING. THE MOUNT MODIFICATION DETAILED AT THE END OF THIS PLAN SET, MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PROPOSED ANTENNAS AND OTHER EQUIPMENT.



1 TOWER ELEVATION
SCALE: N.T.S.

ALL ELEVATIONS REFLECT ABOVE GROUND LEVEL (A.G.L.)

TOWER NOTE:
1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM WITH THE PROJECT MANAGER THAT THEY HAVE THE MOST RECENT VERSION OF THE STRUCTURAL ANALYSIS BEFORE COMMENCING WORK. EXISTING AND PROPOSED TOWER APPURTENANCES, MOUNTS, AND ANTENNAS ARE SHOWN BASED ON THE STRUCTURAL ANALYSIS.
2. WHERE APPLICABLE, ALL NEW ANTENNAS, EQUIPMENT, MOUNTS, CABLING, ETC. SHALL BE PAINTED/SOCKED TO MATCH EXISTING EQUIPMENT IN ACCORDANCE WITH FAA, JURISDICTION, AND/OR OTHER LOCAL REQUIREMENTS.
3. TOWER ELEVATION DEPICTION MAY NOT REFLECT ALL EQUIPMENT INCLUDED IN STRUCTURAL ANALYSIS. REFER TO STRUCTURAL ANALYSIS FOR FULL TOWER LOADING.

AMERICAN TOWER®
A.T. ENGINEERING SERVICES LLC
1 FENTON MAIN
SUITE 300
CARY, NC 27511
PHONE: (919) 468-0112
PEC.0001553

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REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	TJC	02/08/24

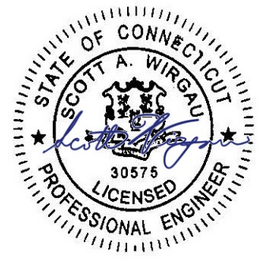
ATC SITE NUMBER:
310972

ATC SITE NAME:
WATERFORD REBUILD CT

VERIZON SITE NAME:
WATERFORD SE CT

SITE ADDRESS:
15 MINER LANE
WATERFORD,CT 06385

SEAL:



Digitally Signed: 2024-02-08

verizon

ATC JOB NO:	14568931_G0
CUSTOMER ID:	WATERFORD SE CT
CUSTOMER #:	5000094194

TOWER ELEVATION

SHEET NUMBER:	REVISION:
C-201	0

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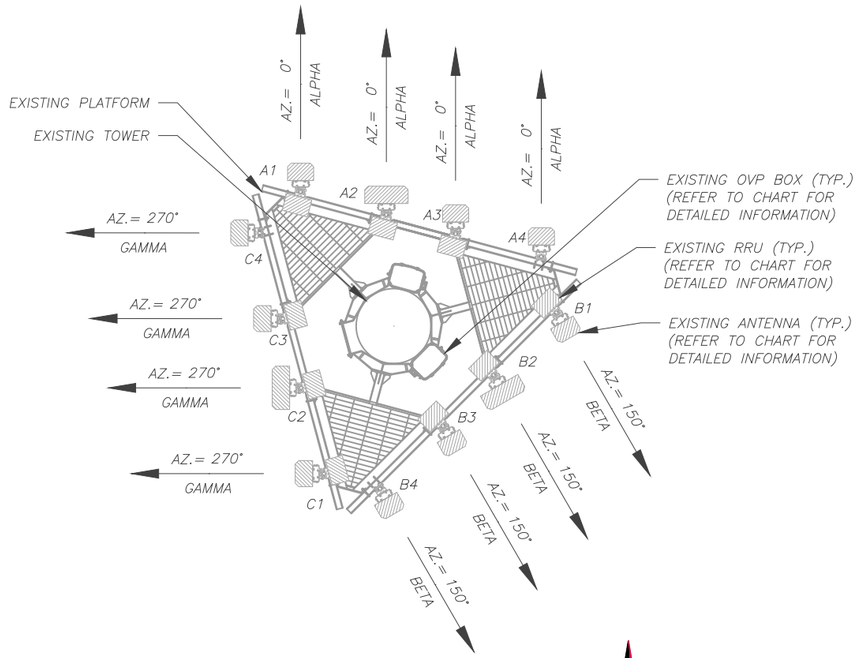
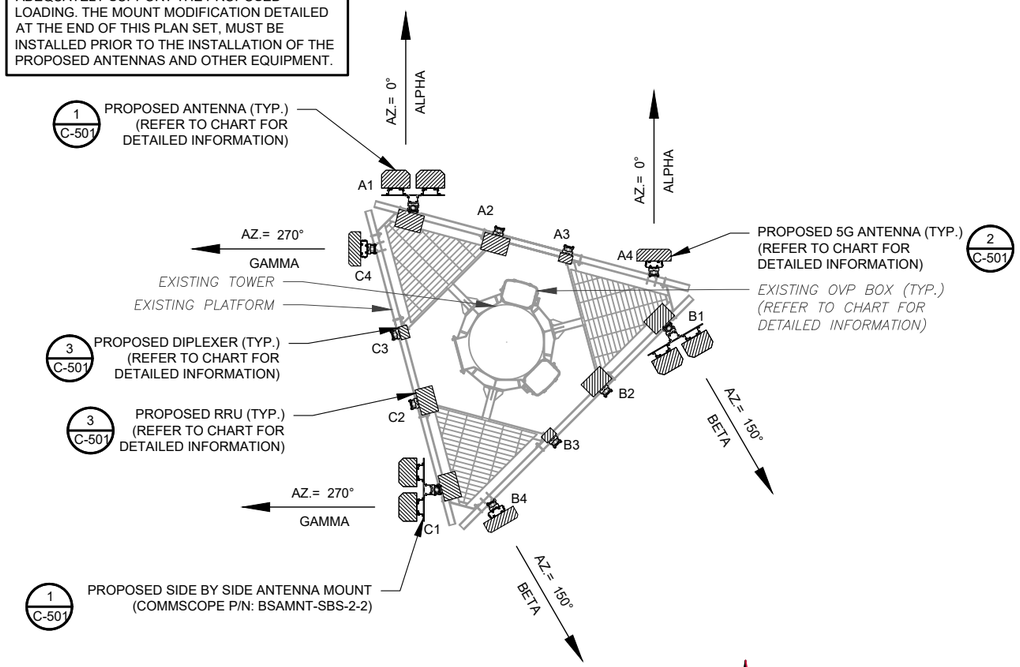


1 EXISTING ANTENNA PLAN

SCALE: N.T.S.

PER MOUNT ANALYSIS COMPLETED BY COLLIERS ENGINEERING AND DESIGN, DATED 11/06/2023, THE EXISTING MOUNT MUST BE MODIFIED TO ADEQUATELY SUPPORT THE PROPOSED LOADING. THE MOUNT MODIFICATION DETAILED AT THE END OF THIS PLAN SET, MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PROPOSED ANTENNAS AND OTHER EQUIPMENT.



2 FINAL ANTENNA PLAN

SCALE: N.T.S.

EXISTING ANTENNA SCHEDULE

LOCATION			ANTENNA SUMMARY				NON ANTENNA SUMMARY	
SECTOR	RAD	AZ	POS	ANTENNA	BAND	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	160'	0°	A1	HBXX-6517DS-A2M	1900/AWS LTE	RMV	UHIE B66A RRH 4x45	RMV
			A2	QUAD656C0000X	700 LTE	RMV	UHBB B13 RRH 2x40	RMV
			A3	HBXX-6517DS-A2M	1900/AWS LTE	RMV	UHFF+UHFD RRH 2x60	RMV
			A4	72" X 14" PANEL	–	RMV	–	–
BETA	160'	150°	B1	HBXX-6517DS-A2M	1900/AWS LTE	RMV	UHIE B66A RRH 4x45	RMV
			B2	QUAD656C0000X	700 LTE	RMV	UHBB B13 RRH 2x40	RMV
			B3	HBXX-6517DS-A2M	1900/AWS LTE	RMV	UHFF+UHFD RRH 2x60	RMV
			B4	72" X 14" PANEL	–	RMV	–	–
GAMMA	160'	270°	C1	HBXX-6517DS-A2M	1900/AWS LTE	RMV	UHIE B66A RRH 4x45	RMV
			C2	QUAD656C0000X	700 LTE	RMV	UHBB B13 RRH 2x40	RMV
			C3	HBXX-6517DS-A2M	1900/AWS LTE	RMV	UHFF+UHFD RRH 2x60	RMV
			C4	72" X 14" PANEL	–	RMV	–	–

NOTES

1. CONFIRM WITH VERIZON REP FOR APPLICABLE UPDATES/REVISIONS AND MOST RECENT RFDS FOR NSN CONFIGURATION (CONFIG). GC TO CAP ALL UNUSED PORTS.
2. CONFIRM SPACING OF PROPOSED EQUIP DOES NOT CAUSE TOWER CONFLICTS NOR IMPEDE TOWER CLIMBING PEGS.

STATUS ABBREVIATIONS

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

CABLE LENGTHS FOR JUMPERS

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

FINAL ANTENNA SCHEDULE

LOCATION			ANTENNA SUMMARY				NON ANTENNA SUMMARY	
SECTOR	RAD	AZ	POS	ANTENNA	BAND	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	160'	0°	A1	(2) JAHH-65B-R3B	700/850/1900/AWS LTE 850 5G	ADD	RF4461D-13A	ADD
			A2	-	-	-	RF4439D-25A	ADD
			A3	-	-	-	CBC78T-DS-43-2X	ADD
			A4	MT6413-77A	L-SUB6 5G	ADD	-	-
BETA	160'	150°	B1	(2) JAHH-65B-R3B	700/850/1900/AWS LTE 850 5G	ADD	RF4461D-13A	ADD
			B2	-	-	-	RF4439D-25A	ADD
			B3	-	-	-	CBC78T-DS-43-2X	ADD
			B4	MT6413-77A	L-SUB6 5G	ADD	-	-
GAMMA	160'	270°	C1	(2) JAHH-65B-R3B	700/850/1900/AWS LTE 850 5G	ADD	RF4461D-13A	ADD
			C2	-	-	-	RF4439D-25A	ADD
			C3	-	-	-	CBC78T-DS-43-2X	ADD
			C4	MT6413-77A	L-SUB6 5G	ADD	-	-

EXISTING FIBER DISTRIBUTION / OVP BOX

MODEL NUMBER	STATUS
(2) RRFDC-3315-PF-48	RMN
–	RMV

EXISTING CABLING SUMMARY

CABLE QTY, SIZE, TYPE	STATUS
(12) 1-5/8" COAX AND (2) 6X12 FIBER	RMN
----	RMV

3 EQUIPMENT SCHEDULES

FINAL FIBER DISTRIBUTION / OVP BOX

MODEL NUMBER	STATUS
(2) RRFDC-3315-PF-48	RMN
–	RMV

FINAL CABLING SUMMARY

CABLE QTY, SIZE, TYPE	STATUS
(12) 1-5/8" COAX AND (2) 6X12 FIBER	RMN
----	ADD

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A.T. ENGINEERING SERVICES LLC
1 FENTON MAIN
SUITE 300
CARY, NC 27511
PHONE: (919) 468-0112
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REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	TJC	02/08/24

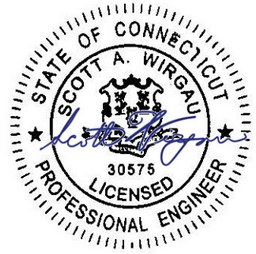
ATC SITE NUMBER:
310972

ATC SITE NAME:
WATERFORD REBUILD CT

VERIZON SITE NAME:
WATERFORD SE CT

SITE ADDRESS:
15 MINER LANE
WATERFORD,CT 06385

SEAL:



Digitally Signed: 2024-02-08

verizon

ATC JOB NO:	14568931_G0
CUSTOMER ID:	WATERFORD SE CT
CUSTOMER #:	5000094194

ANTENNA INFORMATION & SCHEDULE

SHEET NUMBER:	REVISION:
C-401	0

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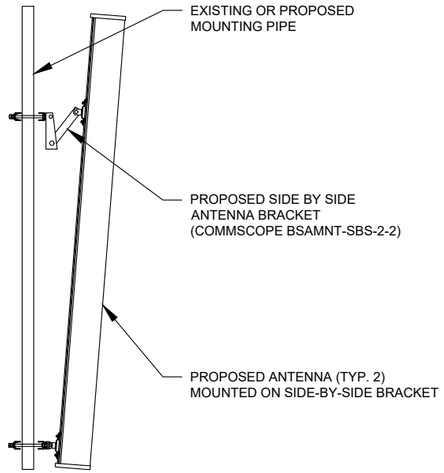
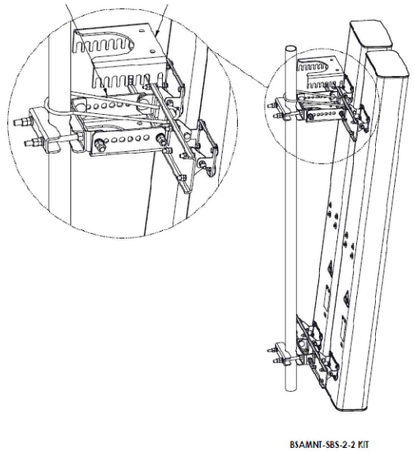
EXISTING/PROPOSED MOUNTS AND/OR MOUNT MODIFICATIONS NOT SHOWN FOR CLARITY. REFER TO ANTENNA PLANS, MOUNT ANALYSES AND/OR MOUNT MODIFICATION DOCUMENTS FOR ADDITIONAL DETAIL.



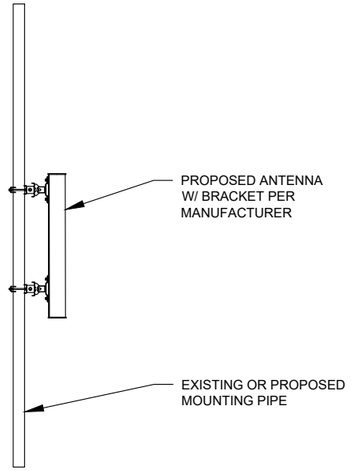
PROFILE VIEW



ISOMETRIC VIEW (BY MANUFACTURER)

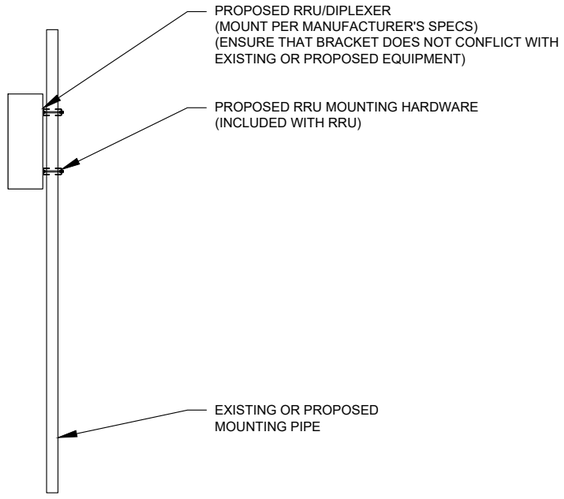
1 PROPOSED ANTENNA MOUNTING DETAIL - TYPICAL

SCALE: N.T.S.



2 PROPOSED 5G ANTENNA MOUNTING DETAIL - TYPICAL

SCALE: N.T.S.



3 PROPOSED RRU/DIPLEXER MOUNTING DETAIL - TYPICAL

SCALE: N.T.S.

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REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	TJC	02/08/24

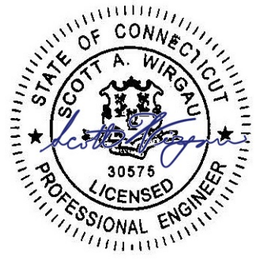
ATC SITE NUMBER:
310972

ATC SITE NAME:
WATERFORD REBUILD CT

VERIZON SITE NAME:
WATERFORD SE CT

SITE ADDRESS:
15 MINER LANE
WATERFORD,CT 06385

SEAL:



Digitally Signed: 2024-02-08

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ATC JOB NO:	14568931_G0
CUSTOMER ID:	WATERFORD SE CT
CUSTOMER #:	5000094194

CONSTRUCTION DETAILS

SHEET NUMBER:	REVISION:
C-501	0

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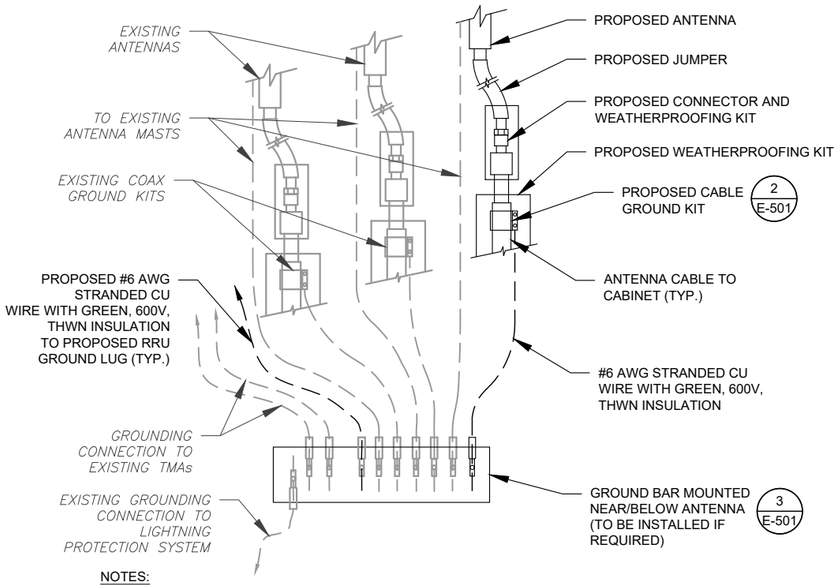
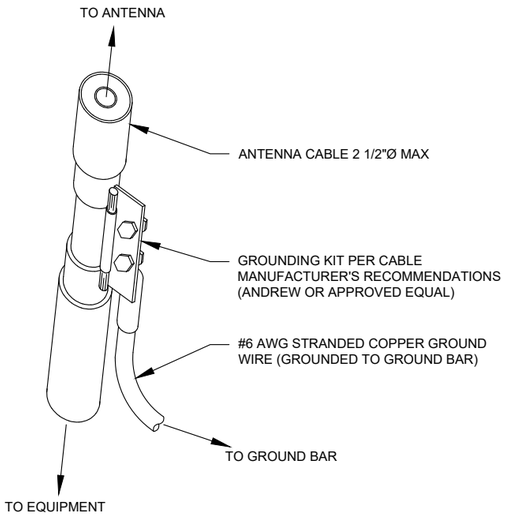


NOTES:

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.

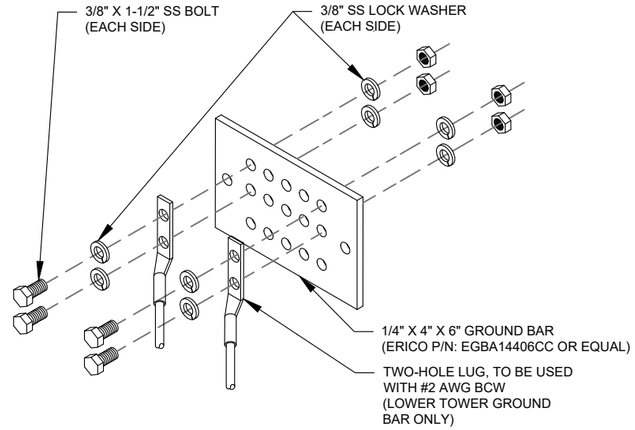


GROUND KIT NOTES:

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.

AMERICAN TOWER®
A.T. ENGINEERING SERVICES LLC
1 FENTON MAIN
SUITE 300
CARY, NC 27511
PHONE: (919) 468-0112
PEC.0001553

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0	FOR CONSTRUCTION	TJC	02/08/24

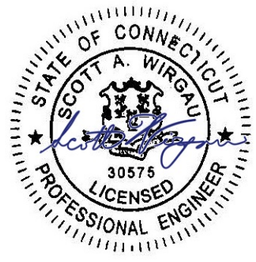
ATC SITE NUMBER:
310972

ATC SITE NAME:
WATERFORD REBUILD CT

VERIZON SITE NAME:
WATERFORD SE CT

SITE ADDRESS:
15 MINER LANE
WATERFORD,CT 06385

SEAL:



Digitally Signed: 2024-02-08

verizon

ATC JOB NO:	14568931_G0
CUSTOMER ID:	WATERFORD SE CT
CUSTOMER #:	5000094194

GROUNDING DETAILS

SHEET NUMBER:	REVISION:
E-501	0

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Colliers Engineering & Design, Architecture,
Landscape Architecture, Surveying, CT P.C
1055 Washington Boulevard
Stamford, CT 06901
203.324.0800
peter.albano@collierseng.com

Post-Modification Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10213277
Colliers Engineering & Design Project #: 21777880A (Rev. 1)

November 6, 2023

Site Information

Site ID:	*5000094194-VZW / NE WATERFORD SE CT*
Site Name:	*NE WATERFORD SE CT*
Carrier Name:	*Verizon Wireless*
Address:	*15 Miner Lane* *Waterford, Connecticut 06385* *New London County*
Latitude:	*41.329167°*
Longitude:	*-72.124444°*

Structure Information

Tower Type:	*Monopole*
Mount Type:	*12.50-Ft Platform*

FUZE ID # 16067742

Analysis Results

Platform: **89.6% Pass w/ Modifications***

***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: Madison Shell

STATE OF CONNECTICUT DEJIAN XU No. 33733 LICENSED PROFESSIONAL ENGINEER
11/06/2023

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	37.1	37.1	58.3	58.3
0.5	49.3	49.3	78.2	78.2
1	59.7	59.7	96.2	96.2

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 (attachment 2) after the modifications detailed in attachment 3 are successfully completed.

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

Attachments:

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

1 MOUNT ANALYSIS

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 VERYIFY THEY HAVE THE MOST RECENT MOUNT ANALYSIS PRIOR TO CONTRUCTION.

SUPPLEMENTAL

SHEET NUMBER:	REVISION:
R-601	0

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verizon

MOUNT MODIFICATION DRAWINGS
EXISTING 12.50' PLATFORM

TOWER OWNER: AMERICAN TOWER COOPERATION
TOWER OWNER SITE NUMBER: 310972

CARRIER SITE NAME: WATERFORD SE CT
CARRIER SITE NUMBER: 5000094194
FUZE ID: 16067742

15 MINER LANE
WATERFORD, CT 06385
NEW LONDON COUNTY

LATITUDE: 41.329167° N
LONGITUDE: 72.124444° W

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DESIGN CRITERIA

WIND LOADS

BASIC WIND SPEED (3 SECOND GUST), V = 130 MPH
EXPOSURE CATEGORY C
TOPOGRAPHIC CATEGORY: 1
TOPOGRAPHIC CONSIDERED: N/A
TOPOGRAPHIC METHOD: N/A
MEAN BASE ELEVATION (AMSL) = 92.15'

ICE LOADS

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

SEISMIC LOADS

SEISMIC DESIGN CATEGORY B
SHORT TERM MCER GROUND MOTION, S_S = .194
LONG TERM MCER GROUND MOTION, S_1 = .053

PROJECT INFORMATION

APPLICANT/LESSEE

COMPANY: VERIZON WIRELESS

CLIENT REPRESENTATIVE

COMPANY: VERIZON WIRELESS

PROJECT MANAGER

COMPANY: COLLIERS ENGINEERING & DESIGN
CONTACT: PETER ALBANO
PHONE: 856.797.0412
E-MAIL: PETER.ALBANO@COLLIERSENG.COM

CONTRACTOR PMI REQUIREMENTS

PMI LOCATION: HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #: 16067742
VZW MDG #: 5000094194
ANALYSIS DATE: 11/6/2023

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

SHEET INDEX

SITE NAME: WATERFORD SE CT 5000094194, 15 MINER LANE, WATERFORD, CT 06385, NEW LONDON COUNTY

SHEET TITLE: TITLE SHEET — SHEET NUMBER: ST-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

BILL OF MATERIALS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
SECTION 1 - VZWSMART KITS						
1	VZWSMART	VZWSMART-PLK1	SUPPORT RAIL KIT	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1.	504	504
1	VZWSMART	VZWSMART-PLK5	KICKER KIT	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1.	291	291
1	VZWSMART	VZWSMART-PLK7	MONOPOLE COLLAR MOUNT ASSEMBLY		150	150
3	VZWSMART	VZWSMART-MSK3D	PIPE TO PIPE CLAMPS		42	126
SECTION 2 - OTHER REQUIRED PARTS						
3	-	-	PROPOSED 108" LONG, PIPE 2 1/2 SCH40	GALVANIZED	52	156
-	-	-	48" LONG 5/8" DIA. A192-B7 THREADED ROD	GALVANIZED	-	
-	-	U-BOLTS	1/2" DIA. J429 U-BOLTS	GALVANIZED. U-BOLT QUANTITY AND INNER WIDTH ARE TO BE VERIFIED BY CONTRACTOR.	-	
SECTION 3 - REQUIRED SAFETY CLIMB PARTS						
1	PERFECT VISON	PV-SCRB-RM-U	ROUTING BRACKET	OR EOR APPROVED EQUIVALENT	-	-
1	PERFECT VISION	PV-CMX-CG-BO	WIRE ROPE GUIDE	OR EOR APPROVED EQUIVALENT	-	-
					TOTAL:	1227

NOTES:

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

VZWSMART KITS - APPROVED VENDORS

COMMSCOPE	
CONTACT	SALVADOR ANGUIANO
PHONE	(817) 304-7492
EMAIL	SALVADOR.ANGUIANO@COMMSCOPE.COM
WEBSITE	WWW.COMMSCOPE.COM

PERFECTVISION	
CONTACT	WIRELESS SALES
PHONE	(844) 887-6723
EMAIL	WWW.PERFECT-VISION.COM
WEBSITE	WIRELESSSALES@PERFECT-VISION.COM

SITE PRO 1	
CONTACT	PAULA BOSWELL
PHONE	(972) 236-9843
EMAIL	PAULA.BOSWELL@VALMONT.COM
WEBSITE	WWW.SITEPRO1.COM

BETTER METAL, LLC	
CONTACT	DAVID STANSBERRY
PHONE	(615) 535-0990 (O), (615) 631-2520 (M)
EMAIL	DLS@BETTERMETAL.COM
WEBSITE	WWW.BETTERMETAL.COM

METROSITE FABRICATORS, LLC	
CONTACT	KENT RAMEY
PHONE	(706) 335-7045 (O), (706) 982-9788 (M)
EMAIL	KENT@METROSITELLC.COM
WEBSITE	METROSITEFABRICATORS.COM

SABRE INDUSTRIES, INC.	
CONTACT	ANGIE WELCH
PHONE	(866) 428-6937
EMAIL	AKWELCH@SABREINDUSTRIES.COM
WEBSITE	WWW.SABRESITESOLUTIONS.COM

NEWAVE	
CONTACT	NEWAVE SALES TEAM
PHONE	(971) 239-4762
EMAIL	SALES@NEWAVETC.COM
WEBSITE	WWW.NEWAVETC.COM

SITE NAME: WATERFORD SE CT 5000094194, 15 MINER LANE, WATERFORD, CT 06385, NEW LONDON COUNTY

SHEET TITLE: BILL OF MATERIALS — SHEET NUMBER: SBOM-1

GENERAL NOTES

1. THESE MODIFICATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE TELECOMMUNICATIONS INDUSTRY STANDARD TIA-222-H. MATERIALS AND SERVICES PROVIDED BY THE CONTRACTOR SHALL CONFORM TO THE ABOVE MENTIONED CODES.
2. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT DAMAGE TO EXISTING STRUCTURES. ANY DAMAGE TO EXISTING STRUCTURES AS A RESULT OF THE CONTRACTOR'S WORK OR FROM DAMAGE DUE TO OTHER CAUSES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS BEFORE BEGINNING WORK, ORDERING MATERIAL, AND PREPARING OF SHOP DRAWINGS. ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER. IF THE CONTRACTOR DISCOVERS ANY EXISTING CONDITIONS THAT ARE NOT REPRESENTED ON THESE DRAWINGS, OR ANY CONDITIONS THAT WOULD INTERFERE WITH THE INSTALLATION OF THE MODIFICATIONS, NOTIFY THE ENGINEER IMMEDIATELY.
4. IT IS ASSUMED THAT ANY STRUCTURAL MODIFICATION WORK SPECIFIED ON THESE PLANS WILL BE ACCOMPLISHED BY KNOWLEDGEABLE WORKMEN WITH TOWER CONSTRUCTION EXPERIENCE.
5. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION METHODS, MEANS, TECHNIQUES, SEQUENCES, AND PROCEDURES.
6. ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN AND SHALL MEET ANSI/TIA-322 (LATEST EDITION), OSHA, AND GENERAL INDUSTRY STANDARDS. ALL RIGGING PLANS SHALL ADHERE TO ANSI/TIA-322 (LATEST EDITION) INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION.
7. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PROGRAMS IN ACCORDANCE WITH APPLICABLE SAFETY CODES.
8. WORK SHALL ONLY BE PERFORMED DURING CALM DRY DAYS (WINDS LESS THAN 30-MPH). THE STRUCTURE SHOWN ON THE DRAWINGS IS STRUCTURALLY SOUND ONLY IN THE COMPLETED FORM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STRENGTH AND STABILITY OF THE STRUCTURE DURING ERECTION. CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT, SHORING, BRACING AND ANY OTHER STRUCTURAL SYSTEMS AS REQUIRED TO RESIST ALL FORCES THAT MAY OCCUR DURING HANDLING AND ERECTION UNTIL THE STRUCTURE IS FULLY COMPLETED. TEMPORARY SUPPORTS, BRACING AND OTHER STRUCTURAL SYSTEMS REQUIRED DURING CONSTRUCTION SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER THEIR USE.
9. ALL INSTALLATIONS PERFORMED ON THIS STRUCTURE SHALL BE COMPLETED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE STANDARD FOR INSTALLATION, ALTERATION AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS, ANSI/TIA-322.
10. CONTRACTOR SHALL SECURE SITE BACK TO EXISTING CONDITION UNDER SUPERVISION OF OWNER. ALL FENCE, STONE, GEOFABRIC, GROUNDING, AND SURROUNDING GRADE SHALL BE REPLACED AND REPAIRED AS REQUIRED TO ACHIEVE OWNER APPROVAL. POSITIVE DRAINAGE AWAY FROM TOWER SITE SHALL BE MAINTAINED.
11. CONNECTIONS BETWEEN ITEMS SUPPORTED BY THE STRUCTURE AND THE STRUCTURE NOT SPECIFICALLY DETAILED IN THE CONTRACT DOCUMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR. SUCH CONNECTIONS SHALL BE DESIGNED, COORDINATED AND INSPECTED BY A PROFESSIONAL STRUCTURAL ENGINEER LICENSED IN THE STATE OF THE PROJECT. SUBMIT SIGNED AND SEALED CALCULATIONS DURING SHOP DRAWING REVIEW.
12. DO NOT SCALE DRAWINGS.
13. DO NOT USE THESE DRAWINGS FOR ANY OTHER SITE.
14. ALL MATERIAL UTILIZED FOR THIS PROJECT MUST BE NEW AND FREE OF ANY DEFECTS. ANY MATERIAL SUBSTITUTIONS, INCLUDING BUT NOT LIMITED TO ALTERED SIZE AND/OR STRENGTHS, MUST BE APPROVED BY THE OWNER AND ENGINEER IN WRITING.
15. THE MOUNT UNDER NO CIRCUMSTANCES SHOULD BE USED AS A TIE OFF POINT.

STRUCTURAL STEEL

1. DESIGN, DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING PUBLICATIONS EXCEPT AS SPECIFICALLY INDICATED IN THE CONTRACT DOCUMENTS.
   a. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) MANUAL OF STEEL CONSTRUCTION (15TH EDITION)
   b. SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS
   c. AISC CODE OF STANDARD PRACTICE
2. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING UNLESS OTHERWISE SHOWN:

CHANNELS, ANGLES, PLATES, ETC.	ASTM A36 (GR 36)
STEEL PIPE	ASTM A53 (GR 35)
BOLTS	ASTM A325
NUTS	ASTM A563
LOCK WASHERS	LOCKING STRUCTURAL GRADE

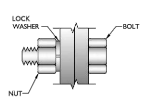
3. ALL SUBSTITUTIONS PROPOSED BY THE CONTRACTOR SHALL BE APPROVED IN WRITING BY THE ENGINEER. CONTRACTOR SHALL PROVIDE DOCUMENTATION TO ENGINEER FOR VERIFYING THE SUBSTITUTE IS SUITABLE FOR USE AND MEETS ORIGINAL DESIGN CRITERIA. DIFFERENCES FROM THE ORIGINAL DESIGN, INCLUDING MAINTENANCE, REPAIR AND REPLACEMENT, SHALL BE NOTED. ESTIMATES OF COSTS/CREDITS ASSOCIATED WITH THE SUBSTITUTION (INCLUDING RE-DESIGN COSTS AND COSTS TO SUB-CONTRACTORS) SHALL BE PROVIDED TO THE ENGINEER. CONTRACTOR SHALL PROVIDE ADDITIONAL DOCUMENTATION AND/OR SPECIFICATIONS TO THE ENGINEER AS REQUESTED.
4. PROVIDE STRUCTURAL STEEL SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
   a. SUBMIT SHOP DRAWINGS TO PETER.ALBANO@COLLIERSENG.COM
   b. PROVIDE COLLIERS ENGINEERING & DESIGN PROJECT # AND COLLIERS ENGINEERING & DESIGN PROJECT ENGINEER CONTACT IN THE BODY OF THE EMAIL.
5. DRILL NO HOLES IN ANY NEW OR EXISTING STRUCTURAL STEEL MEMBERS OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.
6. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
7. ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER PROTECTION. IN ADDITION ALL NEW STEEL SHALL BE PAINTED TO MATCH EXISTING STEEL. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
8. ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING REQUIRE LOCKING DEVICES TO BE INSTALLED IN ACCORDANCE WITH TIA-222-H SECTION 4.9.2 REQUIREMENTS.
9. WHERE CONNECTIONS ARE NOT FULLY DETAILED ON THESE DRAWINGS, FABRICATOR SHALL DESIGN CONNECTIONS TO RESIST LOADS AND FORCES WHERE SHOWN ON DRAWINGS AND AS OUTLINED IN SPECIFICATIONS.
10. FOR MEMBERS BEING REPLACED, PROVIDE NEW BOLTS AND MATCH EXISTING SIZE AND GRADE. MAINTAIN AISC REQUIREMENTS FOR MINIMUM BOLT DISTANCE AND SPACING.
11. ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE END OF THE BOLT IS AT LEAST FLUSH WITH THE FACE OF THE NUT. IT IS NOT PERMITTED FOR THE BOLT END TO BE BELOW THE FACE OF THE NUT AFTER TIGHTENING IS COMPLETED.
12. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
13. ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER PROTECTION. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
14. ALL EXISTING PAINTED/GALVANIZED SURFACES DAMAGED DURING REHAB INCLUDING AREAS UNDER STIFFENER PLATES SHALL BE WIRE BRUSHED CLEAN, REPAIRED BY COLD GALVANIZING (ZINC COTE, OR EOR APPROVED EQUAL), AND REPAINTED TO MATCH THE EXISTING FINISH (IF APPLICABLE).
15. ALL HOLES IN STEEL MEMBERS SHALL BE SIZED 1/16" LARGER THAN THE BOLT DIAMETER. STANDARD HOLES SHALL BE USED UNLESS NOTED OTHERWISE.

BOLT SCHEDULE (IN.)

BOLT DIAMETER	STANDARD HOLE	SHORT SLOT	MIN. EDGE DISTANCE	SPACING
1/2	9/16	9/16 x 11/16	7/8	1 1/2
5/8	11/16	11/16 x 7/8	1 1/8	1 7/8
3/4	13/16	13/16 x 1	1 1/4	2 1/4
7/8	15/16	15/16 x 1 1/8	1 1/2	2 5/8
1	1 1/16	1 1/16 x 1 5/16	1 3/4	3

WORKABLE GAGES (IN.)

LEG	GAGE
4	2 1/2
3 1/2	2
3	1 3/4
2 1/2	1 3/8
2	1 1/8

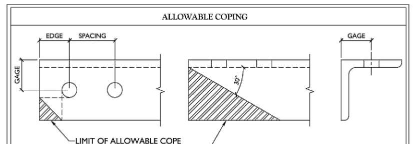


TYP. BOLT ASSEMBLY

NOTES:

1. ALL DIMENSIONS REPRESENTED IN THE ABOVE TABLES ARE AISC MINIMUM REQUIREMENTS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN FIELD AND NOTIFY ENGINEER IF DISTANCES ARE LESS THAN THOSE PROVIDED.
2. THE DIMENSIONS PROVIDED ARE MINIMUM REQUIREMENTS. ACTUAL DIMENSIONS OF PROPOSED MEMBERS WITHIN THESE DRAWINGS MAY VARY FROM THE AISC MINIMUM REQUIREMENTS.
3. SHORT SLOT HOLES SHALL ONLY BE USED WHEN DEPICTED IN THE DRAWINGS
4. MATCH EXISTING GAGES WHEN APPLICABLE, UNLESS MINIMUM EDGE DISTANCES ARE COMPROMISED.

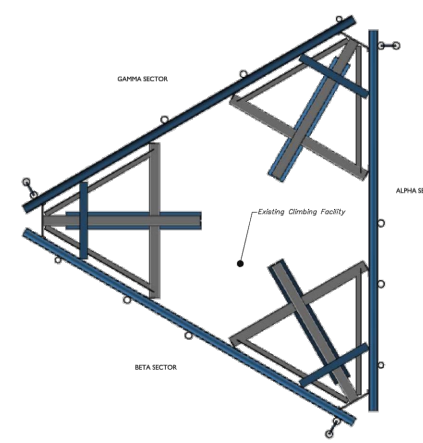
ALLOWABLE COPING



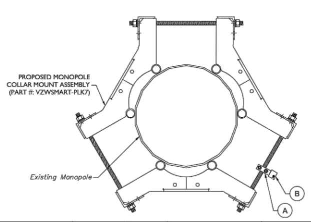
SITE NAME: WATERFORD SE CT 5000094194, 15 MINER LANE, WATERFORD, CT 06385, NEW LONDON COUNTY

SHEET TITLE: GENERAL NOTES — SHEET NUMBER: SGN-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



1 CLIMBING FACILITY LOCATION
SCALE : N.T.S.



ITEM #	QTY	PART NUMBER	DESCRIPTIONS
A	1	PV-SCRB-RM-U	ROUTING BRACKET (PERFECT VISION OR EOR APPROVED EQ.)
B	1	PV-CMX-CG-BO	WIRE ROPE GUIDE (PERFECT VISION OR EOR APPROVED EQ.)

2 PROPOSED WIRE ROPE GUIDE ATTACHMENT - PLAN VIEW
SCALE : N.T.S.

NOTE: CONTRACTOR SHALL ENSURE THAT WIRE ROPE GUIDE DOES NOT PUSH THE WIRE ROPE OUTSIDE OF THE VERTICAL PLANE OF THE SAFETY CLIMB. CONTRACT EOR WITH PHOTOS OF SAFETY CLIMB AND COLLAR FOR FURTHER DIRECTION IF NEEDED.

CLIMBING FACILITY PHOTO

STRUCTURAL NOTES:

1. PER THE MOUNT MAPPING COMPLETED BY HIGHTOWER SOLUTIONS, INC. ON 5/7/2020, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (157'-0") ARE IN GOOD CONDITION. COLLIERS ENGINEERING & DESIGN DOES NOT WARRANT THIS INFORMATION.
2. INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB, OR ANY SYSTEM INSTALLED ON THE STRUCTURE. TIMELY NOTICE AND DOCUMENTATION SHALL BE PROVIDED BY CONTRACTORS TO THE EOR (OF STRUCTURAL DESIGN) IF AN OBSTRUCTION WAS REQUIRED TO MEET THE RF SYSTEM DESIGN REQUIREMENTS AND PERFORMANCES.

SITE NAME: WATERFORD SE CT 5000094194, 15 MINER LANE, WATERFORD, CT 06385, NEW LONDON COUNTY

SHEET TITLE: CLIMBING FACILITY DETAIL — SHEET NUMBER: SCF-1

1 MOUNT MODIFICATION

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 VERYIFY THEY HAVE THE MOST RECENT MOUNT ANALYSIS PRIOR TO CONTRUCTION.

SUPPLEMENTAL

SHEET NUMBER: R-602

REVISION: 0

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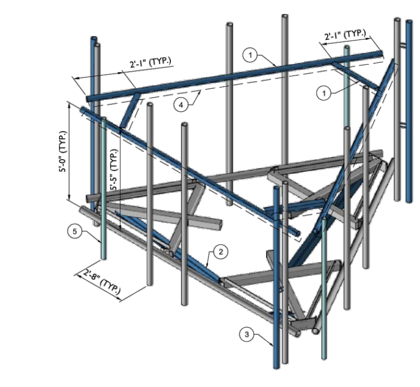
MOUNT MODIFICATION SCHEDULE				
NO.	ELEVATION	QUANTITY	DESCRIPTION	NOTES
1	157'-0"	1	PROPOSED SUPPORT RAIL KIT (PART #: VZWSMART-PLK1)	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1. RADIO AND/OR TME POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN.
2		1	PROPOSED KICKER KIT (PART #: VZWSMART-PLK5)	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1. CONNECT OTHER END OF KICKER KIT TO MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7). SEE GENERAL NOTE B.
3		3	PROPOSED 108" LONG, PIPE 2 1/2 SCH40 MOUNT PIPE	CONNECT NEW MOUNT PIPE TO EXISTING VERTICAL PIPE WITH PIPE-TO-PIPE CLAMPS (PART #: VZWSMART-MSK3D).
4		1	REMOVE EXISTING SUPPORT RAIL	REMOVE EXISITING SUPPORT RAIL AND ASSOSIATED HARWARE.
5		3	EXISTING 84" LONG, PIPE 2 SCH40 MOUNT PIPE	CONTRACTOR SHALL SHIFT MOUNT PIPES VERTICALLY IN POSITION 4 ON ALL SECTORS SUCH THAT THE TOP OF MOUNT PIPES IS 65" ABOVE THE FACE HORIZONTAL. ADJUST ANTENNA LOCATIONS ALONG SHIFTED PIPES TO MAINTAIN REQUIRED ANTENNA CENTERLINES. RECONNECT SHIFTED PIPES TO MOUNT HORIZONTALS USING EXISTING CONNECTION CROSSOVER PLATES AND (4) NEW ½" DIA. J429 GR-1 U-BOLTS AT EACH CONNECTION. DO NOT REUSE EXISTING BOLTS.

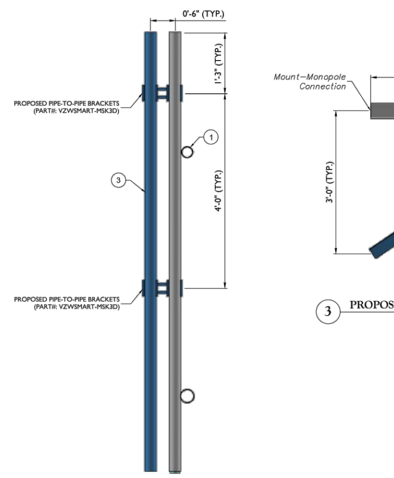
GENERAL NOTES:

A. CONTRACTOR SHALL FLOAT MOUNT AND ROTATE SUCH THAT THE ALPHA FACE OF THE MOUNT HAS AN AZIMUTH OF 15 DEGREES. CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE EXISTING COAX / JUMPERS. RE-ROUTE SAFETY CLIMB WIRE AS NECESSARY.
B. CONTRACTOR SHALL VERIFY THAT NEW & EXISTING STEEL IS FREE OF CORROSION. VISIBLE MINOR CORROSION SHALL BE WIRE BRUSHED CLEAN AND TREATED WITH COLD GALVANIZATION. REPORT ANY SIGNIFICANT CORROSION TO EOR
C. THREADED ROD FROM PROPOSED KITS SHALL BE TRIMMED TO EXTEND NO MORE THAN 3" BEYOND THE LOCK NUT. TREAT ALL CUT ENDS WITH (2) COATS OF COLD GALVANIZATION (ZINC KOTE, OR EOR APPROVED EQUAL).
D. MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.

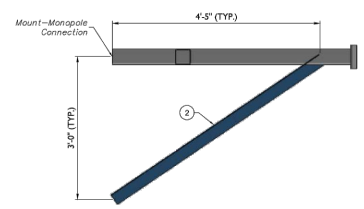
LEGEND:
- PROPOSED
- RELOCATED
- EXISTING
- REMOVED



1 PROPOSED ISOMETRIC VIEW (TYP. ALL SECTORS)
SCALE : N.T.S.



2 PROPOSED PIPE TO PIPE SIDE ELEVATION (TYP. ALL SECTORS)
SCALE : N.T.S.



3 PROPOSED SIDE ELEVATION VIEW (TYP. ALL SECTORS)
SCALE : N.T.S.

FLOATING THE MOUNT:
CONTRACTOR SHALL FLOAT MOUNT AND ROTATE THE MOUNT SUCH THAT THE ALPHA SECTOR FACE HAS AN AZIMUTH OF 15 DEGREES. CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE EXISTING COAX / JUMPERS. RE-ROUTE SAFETY CLIMB WIRE AS NECESSARY.

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).

Colliers Engineering & Design

verizon

COLLIERS ENGINEERING & DESIGN, ARCHITECTURE, LANDSCAPE ARCHITECTURE, SURVEYING, CT P.C.

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

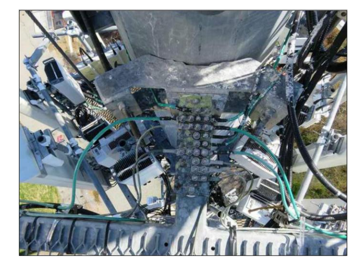
SITE NAME:
WATERFORD SE CT
5000094194
15 MINER LANE
WATERFORD, CT 06385
NEW LONDON COUNTY

STAMFORD
1055 Washington Boulevard
Stamford, CT 06901
Phone: 203.324.0800
COLLIERS ENGINEERING & DESIGN CT, P.C. DOING BUSINESS AS MASER CONSULTING

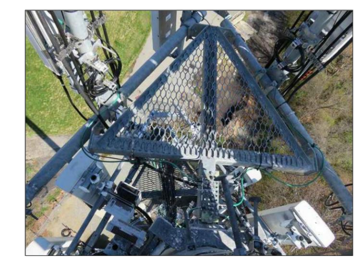
SHEET TITLE: MODIFICATION DETAILS
SHEET NUMBER: SS-1

MOUNT PHOTO 1

MOUNT PHOTO 2



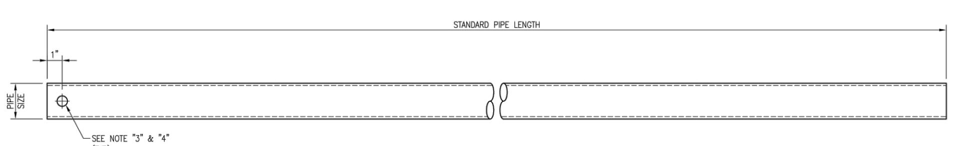
MOUNT PHOTO 3



MOUNT PHOTO 4

SITE NAME:
WATERFORD SE CT
5000094194
15 MINER LANE
WATERFORD, CT 06385
NEW LONDON COUNTY

SHEET TITLE: MOUNT PHOTOS
SHEET NUMBER: SS-2



VZWSMART Standard Pipe		
VZWSMART Number	Size	Length
P40-238X048	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	48"
P40-238X072	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	72"
P40-238X096	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	96"
P40-238X120	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	120"
P40-238X126	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	126"
P40-238X150	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	150"
P40-238X174	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	174"
P40-278X048	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	48"
P40-278X072	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	72"
P40-278X096	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	96"
P40-278X120	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	120"
P40-278X126	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	126"
P40-278X150	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	150"
P40-278X174	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	174"
P40-312X048	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	48"
P40-312X072	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	72"
P40-312X126	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	126"
P40-312X150	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	150"
P40-312X174	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	174"

NOTE:
APPROVED SMART KIT VENDORS ARE ALLOWED TO SUBSTITUTE AT THEIR DISCRETION PIPES LISTED ON THIS PAGE FOR CUSTOM LENGTH COMPONENTS OF MATCHING SIZE. SUBSTITUTIONS SHALL MEET THE ORIGINAL STRUCTURAL INTENT.

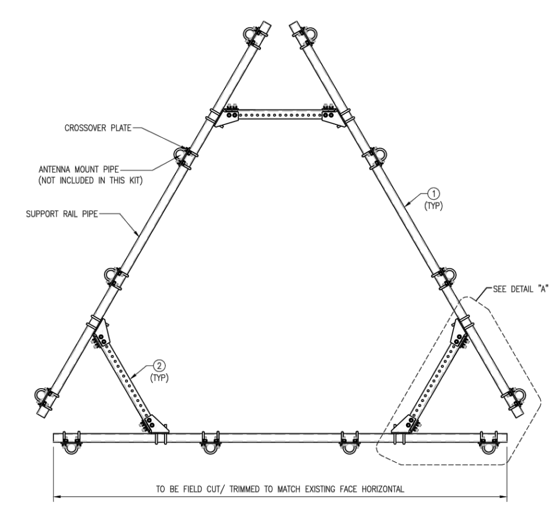
NOTES:
1. ALL PIPE GRADE A53-B OR BETTER.
2. HOT-DIPPED GALVANIZED PER ASTM A123.
3. ALL HOLES ARE 11/16" DIA. U.N.O
4. HOLES MAY OR MAY NOT BE PRESENT, DEPEND UPON MANUFACTURE DISCRETION.
5. ALL FIELD CUT AND DRILLED SURFACES SHALL BE REPAIRED WITH A MINIMUM OF TWO COATS OF ZINGA OR ZINC COTE PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS.

VzW SMART Tool© Vendor

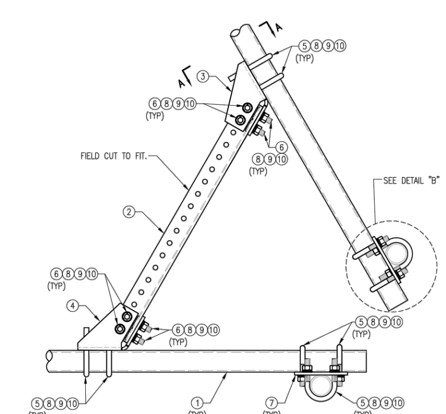
verizon

FOR REFERENCE ONLY

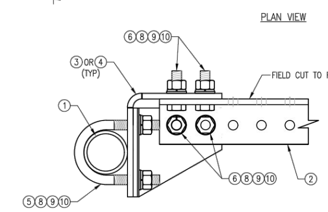
SHEET TITLE: VZWSMART STANDARD PIPE
SHEET NUMBER: VZWSMART–PIPE
REV #: 0



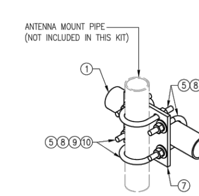
PLAN VIEW



DETAIL "A"



SECTION "A–A"



DETAIL "B"

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

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

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FOR REFERENCE ONLY

SHEET TITLE: VZWSMART–PLK1 SUPPORT RAIL KIT
SHEET NUMBER: VZWSMART–PLK1
REV #: 0

1 MOUNT MODIFICATION

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 VERYIFY THEY HAVE THE MOST RECENT MOUNT ANALYSIS PRIOR TO CONTRUCTION.

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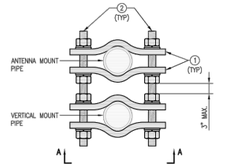
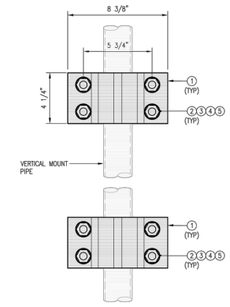
SUPPLEMENTAL

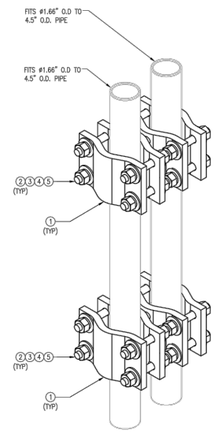
SHEET NUMBER: R-603
REVISION: 0



PIPE TO PIPE CLAMPS
PLAN VIEW



SECTION "A-A"



PIPE TO PIPE CLAMPS
ISOMETRIC VIEW

VZWSMART-MSK3D (PIPE TO PIPE CLAMPS)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	8	V-CLAMP	PL 1/2" X 4 1/4" X 8 5/8" A36 BEND PLATE	MSK3D-F1	42
2	8	----	THREADED ROD 5/8" DIA. X 1'-0" F1554-36 HDG	----	--
3	32	FW-625	5/8" HDG USS FLAT WASHER	----	3
4	32	LW-625	5/8" HDG LOCK WASHER	----	1
5	32	NUT-625	5/8" HDG HEX NUT	----	4
				GALVANIZED WT	42

NOTES:
1. ALL HOLES ARE 11/16" DIA. U.N.O
2. HOT-DIPPED GALVANIZED PER ASTM A123.
3. FIT UP TO 4.5" O.D. PIPE

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FOR REFERENCE ONLY

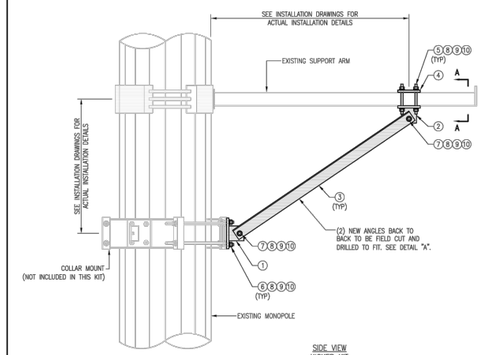
DRAWN BY: BT | CHECKED BY: HMA/KW

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

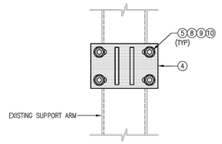
SHEET TITLE:
VZWSMART-MSK3D
PIPE TO PIPE CLAMPS

SHEET NUMBER: VZWSMART-MSK3D | REV #: 0

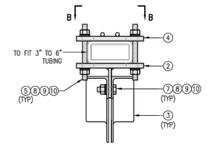
NOTE:
THE LOCATION OF KICKER AND EXISTING ANTENNA MOUNT SHOWN ON THE DRAWING IS FOR REPRESENTATION PURPOSE ONLY. SEE INSTALLATION DRAWINGS FOR ACTUAL INSTALLATION OF DETAILS.



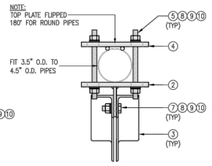
SIDE VIEW
KICKER KIT



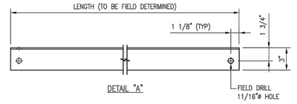
SECTION "B-B"



SECTION "A-A"
RECT. HSS MOUNTING



SECTION "A-A"
ROUND PIPE MOUNTING



DETAIL "A"

VZWSMART-PLK5 (KICKER KIT)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	BRKW-XXX	BRACKET WELDMENT A36	PLK5-F3	43.8
2	3	BRKW-XXXX	BRACKET WELDMENT A36	PLK5-F2	35.7
3	6	L3X1875-8	L 3" X 3" X 3/16" X 8'-0" A36	PLK5-F4	182.9
4	3	PL-XI	PL 5/8" X 6" X 9" A36	PLK5-F1	29.0
5	12	----	THREADED ROD 5/8" DIA. X 1'-0" F1554-36 HDG	----	--
6	6	----	BOLT 5/8" X 2" A325	----	--
7	12	----	BOLT 5/8" X 2 1/2" A325	----	--
8	42	FW-625	5/8" HDG USS FLAT WASHER	----	3
9	42	LW-625	5/8" HDG LOCK WASHER	----	1
10	42	NUT-625	5/8" HDG HEX NUT	----	5
				GALVANIZED WT	291

NOTES:
1. ALL HOLES ARE 11/16" DIA. U.N.O
2. HOT-DIPPED GALVANIZED PER ASTM A123.
3. FIT UP TO 6" SQ. TUBING OR 4 1/2" O.D. PIPE

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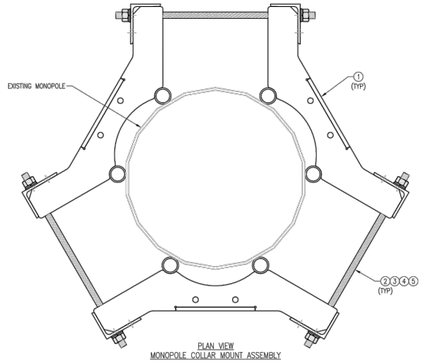
DRAWN BY: MN | CHECKED BY: HMA/KW

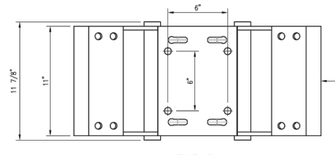
REV.	DESCRIPTION	BY	DATE
1	FIRST ISSUE	MN	05/08/20

SHEET TITLE:
VZWSMART-PLK5
KICKER KIT

SHEET NUMBER: VZWSMART-PLK5 | REV #: 0



PLAN VIEW
MONOPOLE COLLAR MOUNT ASSEMBLY



FRONT VIEW

VZWSMART-PLK7 (MONOPOLE COLLAR MOUNT ASSEMBLY)

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

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

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DRAWN BY: BT | CHECKED BY: HMA/KW

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

SHEET TITLE:
VZWSMART-PLK7
MONOPOLE COLLAR
MOUNT ASSEMBLY

SHEET NUMBER: VZWSMART-PLK7 | REV #: 0

1 MOUNT MODIFICATION

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 VERYIFY THEY HAVE THE MOST RECENT MOUNT ANALYSIS PRIOR TO CONTRUCTION.

SUPPLEMENTAL

SHEET NUMBER: R-604 | REVISION: 0

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EXHIBIT 2

85 MINER LANE

Location	85 MINER LANE	**Mblu**	153/ / 4766/ /
Acct#	00433700	**Owner**	WATERFORD TOWN OF
Assessment	$290,910	**Appraisal**	$415,570
PID	4766	**Building Count**	1

Current Value

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2022	$25,190	$390,380	$415,570
Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2022	$17,640	$273,270	$290,910

Parcel Addreses

Additional Addresses
No Additional Addresses available for this parcel

Owner of Record

Owner	WATERFORD TOWN OF	**Sale Price**	$0
Co-Owner		**Certificate**	
		Book & Page	0259/0774
		Sale Date	05/14/1981
		Instrument	00

Ownership History

Ownership History					
Owner	**Sale Price**	**Certificate**	**Book & Page**	**Instrument**	**Sale Date**
WATERFORD TOWN OF	$0		0259/0774	00	05/14/1981

Building Information

Building 1 : Section 1

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

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 %	
Total Bedrooms:	
Full Bthrms:	
Half Baths:	
Extra Fixtures	
Total Rooms:	
Bath Style:	
Kitchen Style:	
Num Kitchens	
Fireplace(s)	
Extra Opening(s)	
Gas Fireplace(s)	
% Attic Fin	
LF Dormer	
Foundation	
Bsmt Gar(s)	
Bsmt %	
SF FBM	
SF Rec Rm	

Building Photo


(https://images.vgsi.com/photos/WaterfordCTPhotos//\00\01\65\33.jpg)

Building Layout

Building Layout
(https://images.vgsi.com/photos/WaterfordCTPhotos//Sketches/4766_4766

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

Fin Bsmt Qual	
Bsmt Access	

Extra Features

Extra Features	Legend
No Data for Extra Features	

Land

Land Use

Use Code	900
Description	Exempt Vac
Zone	R-40
Neighborhood	1100
Alt Land Appr	No
Category	

Land Line Valuation

Size (Acres)	25.67
Frontage	0
Depth	0
Assessed Value	$273,270
Appraised Value	$390,380

Outbuildings

Outbuildings						Legend
Code	**Description**	**Sub Code**	**Sub Description**	**Size**	**Value**	**Bldg #**
SHD1	Shed	MS	Masonry	400.00 S.F.	$5,760	1
SHD1	Shed	FR	Frame	480.00 S.F.	$10,580	1
MSC14	RADIO TOWER			200.00 UNIT	$200	1
FN3	FENCE-6' CHAIN			96.00 L.F.	$770	1
SHP	Work Shop	MS	Masonry	240.00 S.F.	$7,880	1

Valuation History

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2022	$25,190	$390,380	$415,570
2021	$224,800	$340,780	$565,580

Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2022	$17,640	$273,270	$290,910
2021	$157,370	$238,550	$395,920

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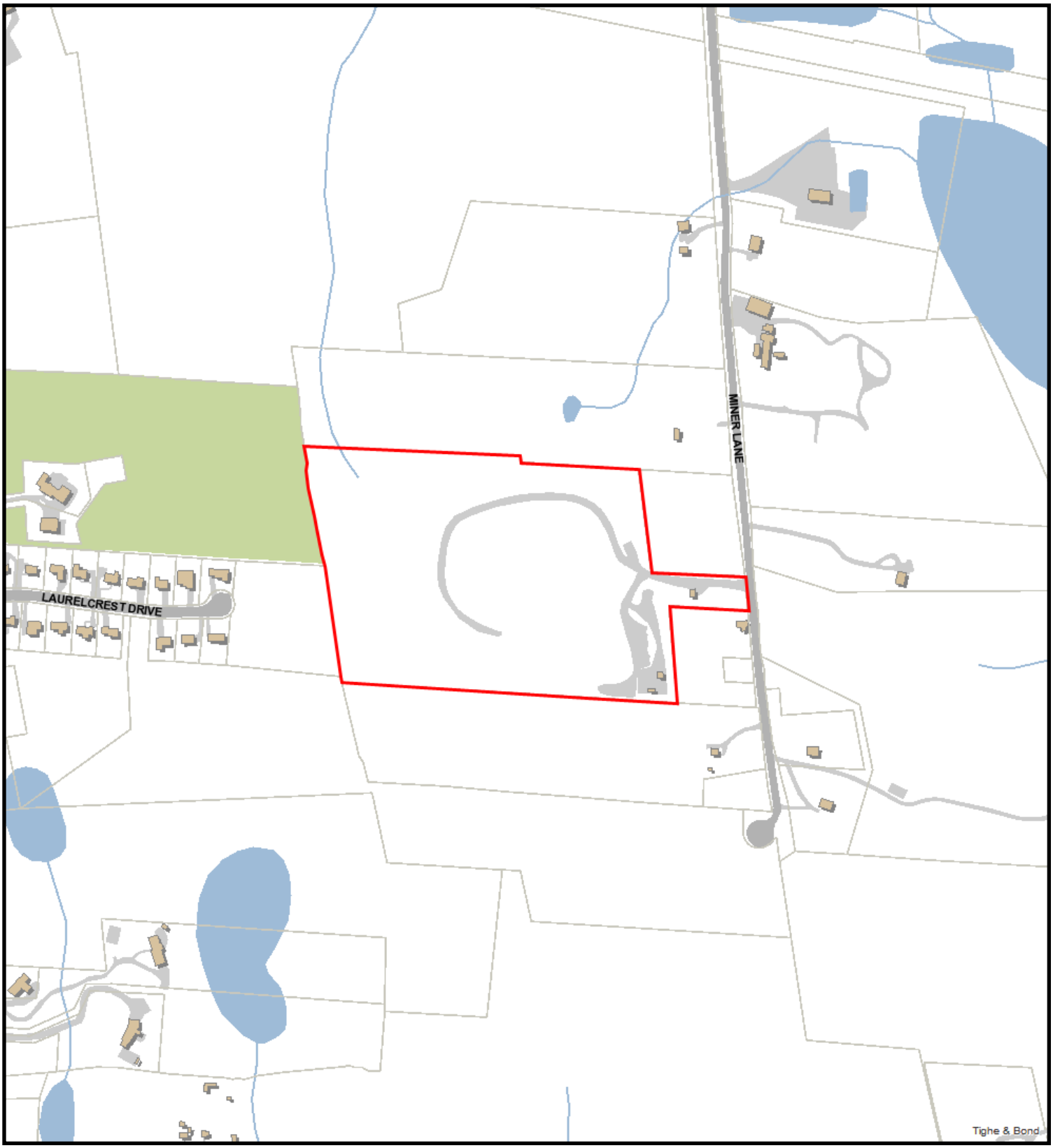


8/30/2023 5:44:22 PM

Scale: 1"=500'

Scale is approximate

The information depicted on this map is for planning purposes only. It is not adequate for legal boundary definition, regulatory interpretation, or parcel-level analyses.

EXHIBIT 3

AMERICAN TOWER®
CORPORATION

Structural Analysis Report

Structure	:	180 ft Monopole
ATC Asset Name	:	WATERFORD REBUILD CT
ATC Asset Number	:	310972
Engineering Number	:	14568931_C3_03
Proposed Carrier	:	VERIZON WIRELESS
Carrier Site Name	:	WATERFORD SE CT
Carrier Site Number	:	5000094194
Site Location	:	15 Miner Lane Waterford, CT 06385-3016 41.3291° N, 72.1246° W
County	:	New London
Date	:	January 11, 2024
Max Usage	:	61%
Analysis Result	:	Pass

Created By:

Nathan Lyle
Structural Engineer I

Nathan Lyle

COA: PEC.0001553

Table of Contents

Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 180 ft Monopole tower to reflect the change in loading by VERIZON WIRELESS.

Supporting Documents

Tower:	FWT Job #23766000, dated July 18, 2001
Foundation:	ATC Job #42693971, dated December 8, 2008
Geotechnical:	Tower Engineering Professionals Project #082973.01, dated November 7, 2008
Modification:	ATC Job #442108F2, dated November 9, 2009

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:	127 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
Feature:	Flat
Spectral Response:	Ss = 0.19, S_1 = 0.05
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 reach out to your American Tower contact. If you do not have an American Tower contact and have an Engineering question, please contact **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	60.7%	1.2D + 1.0W	Pass
Serviceability Usage	31.2%	1.0D + 1.0W	Pass
Lower Flange Plate @ 148.7 ft	25.2%	Bolts	Pass
Base Plate @ 0.0 ft	56.2%	Rods	Pass
Pier	57.4%	Moment [Soil]	Pass

Maximum Reactions

Foundation	Moment (k-ft)	Axial (k)	Shear (k)
Monopole Base	4,341.3	69.8	34.7

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
160.0	1	Platform with Handrails	(12) 1 5/8" Coax (2) 1 5/8" Hybriflex
	2	Raycap RRFDC-3315-PF-48	
	3	Commscope CBC78T-DS-43-2X	
	3	Mount Reinforcement	
	3	Samsung B2/B66A RRH ORAN (RF 4439d-25A)	
	3	Samsung MT6413-77A	
	3	Samsung RF4461d-13A	
	6	Commscope JAHH-65B-R3B	

Other Existing/Reserved Loading

Elev (ft)	Qty	Equipment	Lines	Carrier
186.8	2	15' Omni	-	OTHER
185.1	3	Samsung SFG-ARR3J601DI	-	DISH WIRELESS L.L.C.
	3	Samsung SFG-ARR3KM01DI		
181.8	3	JMA Wireless MX08FRO665-21	-	DISH WIRELESS L.L.C.
181.5	1	Raycap RDIDC-9181-PF-48	-	DISH WIRELESS L.L.C.
180.0	1	Platform with Handrails	-	DISH WIRELESS L.L.C.
179.6	1	TTA	-	OTHER
155.7	3	Ericsson AIR 6419 B77G	-	AT&T MOBILITY
155.0	3	Ericsson AIR 6449 B77D/ C-Band	-	AT&T MOBILITY
153.0	1	Platform w/ Handrails	(2) 0.41" (10.3mm) Fiber (4) 0.78" (19.7mm) 8 AWG 6 (1) 0.92" (23.4mm) Cable (2) 0.96" (24.3mm) Cable (6) 1 1/4" Coax	AT&T MOBILITY
	1	Raycap DC6-48-60-18-8F		
	1	Raycap DC6-48-60-18-8F ("Squid")		
	1	Raycap DC9-48-60-24-8C-EV		
	3	Ericsson RRUS 32 B2		
	3	Ericsson RRUS 32 B30 (60 lbs)		
	3	Ericsson RRUS 32 B66A		
	3	Ericsson RRUS 4449 B5, B12		
	3	Ericsson RRUS 4478 B14 (15")		
	3	Ericsson RRUS E2 B29		
	3	Mount Reinforcement		
	3	Kathrein Scala 80010965		
	3	Quintel QD6616-7		
	6	Andrew APTDC-BDFDM-DBW		
	6	Powerwave Allgon 7020.00 Dual Band RET		
130.0	1	Platform with Handrails	(4) 1 5/8" Hybriflex	T-MOBILE
	3	Ericsson 4424 B25		
	3	Ericsson Air6449 B41		
	3	Ericsson RRUS 4415 B66		
	3	Ericsson Radio 2212 B13		
	3	Ericsson Radio 4449 B71 B85A		
	3	Mount Reinforcement		
	3	RFS APX16DWV-16DWVS-E-A20		
	3	RFS APXVAARR24_43-U-NA20		

(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.

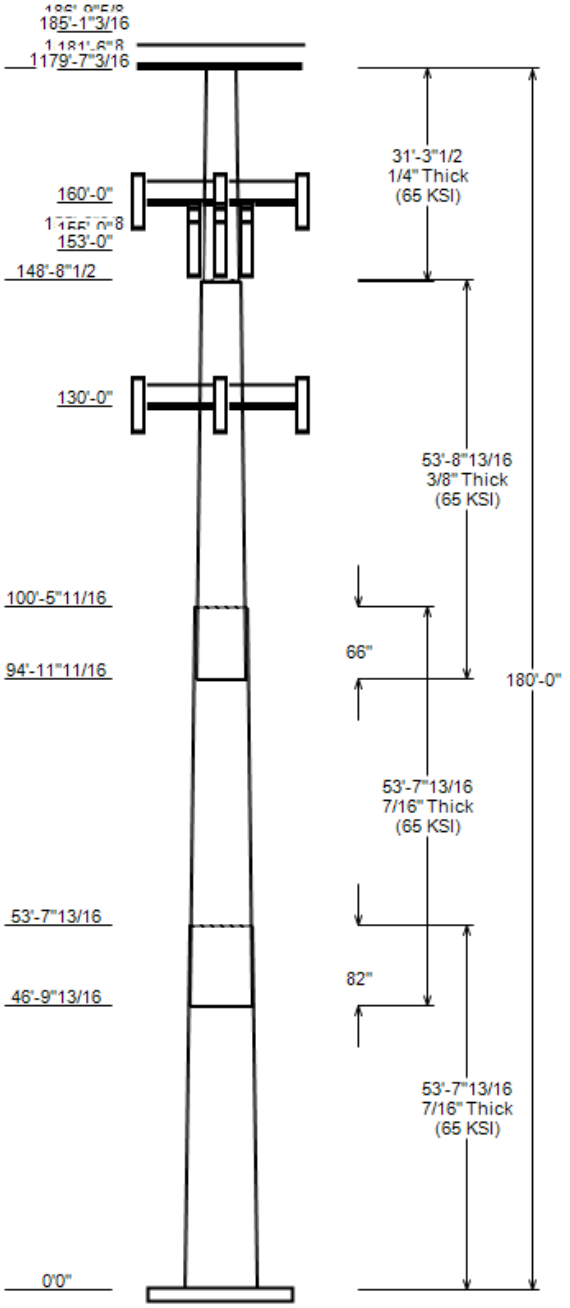
All assets of American Tower Corporation, its affiliates, and subsidiaries (collectively "American Tower") are inspected at regular intervals. Based upon these inspections and in the absence of information to the contrary, American Tower assumes that all structures were constructed in accordance with 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:	127 mph	**Ice Wind:**	50 mph w/ 1" ice	**Service Wind:**	60 mph
Risk Category:	II	**Exposure:**	B	**S_s:** 0.191	**S_1:** 0.052
Topo Category:	1	**Topo Factor:**	Method 1	**Topo Feature:**	
Structure Height:	180 ft	**Base Elevation:**	0.00 ft	**Structure Type:**	Custom
Base Diameter:	62.45 in	**Base Rotation:**	0°	**Taper:**	0.2290 (in/ft)



POLE SECTION PROPERTIES

Section	Length (ft)	Flat Diameter (in) Top	Flat Diameter (in) Bottom	Thick (in)	Joint Type	Joint Length (in)	Pole Shape	Yield Strength (ksi)
1	53.653	50.18	62.45	0.438		0.000	18 Sides	65
2	53.653	40.36	52.62	0.438	Slip Joint	82.000	18 Sides	65
3	53.736	30.08	42.36	0.375	Slip Joint	66.000	18 Sides	65
4	31.292	23.40	30.44	0.250	Butt Joint	0.000	18 Sides	65

DISCRETE APPURTENANCE

Elev (ft)	Description
186.8	(2) Generic 15' Omni
185.1	(3) Samsung SFG-ARR3KM01DI
185.1	(3) Samsung SFG-ARR3J601DI
181.8	(3) JMA Wireless MX08FRO665-21
181.5	(1) Raycap RDIDC-9181-PF-48
180.0	(1) Generic Round Platform with Ha
179.6	(1) Generic TTA
160.0	(3) Commscope CBC78T-DS-43-2X
160.0	(3) Samsung RF4461d-13A
160.0	(3) Samsung B2/B66A RRH ORAN (RF 4
160.0	(2) Raycap RRFDC-3315-PF-48
160.0	(3) Samsung MT6413-77A
160.0	(3) Generic Mount Reinforcement
160.0	(6) Commscope JAHH-65B-R3B
160.0	(1) Generic Round Platform with Ha
155.7	(3) Ericsson AIR 6419 B77G
155.0	(3) Ericsson AIR 6449 B77D/ C-Band
153.0	(6) Andrew APTDC-BDFDM-DBW
153.0	(6) Powerwave Allgon 7020.00 Dual
153.0	(1) Raycap DC9-48-60-24-8C-EV
153.0	(1) Raycap DC6-48-60-18-8F
153.0	(1) Raycap DC6-48-60-18-8F ("Squid
153.0	(3) Ericsson RRUS 4478 B14 (15")
153.0	(3) Ericsson RRUS 4449 B5, B12
153.0	(3) Ericsson RRUS 32 B30 (60 lbs)
153.0	(3) Ericsson RRUS 32 B66A
153.0	(3) Ericsson RRUS 32 B2
153.0	(3) Ericsson RRUS E2 B29
153.0	(3) Generic Mount Reinforcement
153.0	(3) Quintel QD6616-7
153.0	(3) Kathrein Scala 80010965
153.0	(1) Flat Platform w/ Round Handrai
130.0	(3) Ericsson Radio 4449 B71 B85A
130.0	(3) Ericsson RRUS 4415 B66
130.0	(3) Ericsson Radio 2212 B13
130.0	(3) Ericsson 4424 B25
130.0	(3) Generic Mount Reinforcement
130.0	(3) Ericsson Air6449 B41
130.0	(3) RFS APX16DWV-16DWVS-E-A20
130.0	(3) RFS APXVAARR24_43-U-NA20
130.0	(1) Generic Round Platform with Ha

LINEAR APPURTENANCE

Elev To (ft)	Description
186.3	(2) 1 5/8" Coax
174.0	(1) 1.75" (44.5mm) Hybrid
160.0	(2) 1 5/8" Hybriflex
160.0	(12) 1 5/8" Coax
153.0	(6) 1 1/4" Coax
153.0	(2) 0.96" (24.3mm) Cable
153.0	(1) 0.92" (23.4mm) Cable
153.0	(4) 0.78" (19.7mm) 8 AWG 6
153.0	(2) 0.41" (10.3mm) Fiber
130.0	(4) 1 5/8" Hybriflex

GLOBAL BASE REACTIONS

Load Case	Moment (kip-ft)	Axial (kip)	Shear (kip)
1.2D + 1.0W	4341.32	69.82	34.67
0.9D + 1.0W	4279.97	52.35	34.65
1.2D + 1.0Di + 1.0Wi	1045.24	89.83	8.39
1.2D + 1.0Ev + 1.0Eh	259.50	70.24	1.75
0.9D - 1.0Ev + 1.0Eh	254.82	48.65	1.75
1.0D + 1.0W	859.44	58.22	6.92

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ANALYSIS PARAMETERS

Location:	New London County,CT	**Height:**	180 ft
Type and Shape:	Custom, 18 Sides	**Base Diameter:**	62.45 in
Manufacturer:	FWT	**Top Diameter:**	23.40 in
K_d (non-service):	0.95	**Taper:**	0.2290 in/ft
K_e:	1.00	**Rotation:**	0.000º

ICE & WIND PARAMETERS

Risk Category:	II	**Design Wind Speed:**	127 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:**	94.00 ft

SEISMIC PARAMETERS

Analysis Method:	Equivalent Lateral Force Method				
Site Class:	D - Stiff Soil		**Period Based on Rayleigh Method (sec):**		2.82
T_L (sec):	6	**P:**	1	**C_s:**	0.030
S_s:	0.191	**S_1:**	0.052	**C_s Max:**	0.030
F_a:	1.600	**F_v:**	2.400	**C_s Min:**	0.030
S_{ds}:	0.204	**S_{d1}:**	0.083		

LOAD CASES

1.2D + 1.0W	127 mph Wind with No Ice
0.9D + 1.0W	127 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

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SHAFT SECTION PROPERTIES

							Bottom						Top						
Section	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Joint Len (in)	Weight (lb)	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	53.65	0.4375	65		0.00	14,166	62.45	-0.003	86.11	41,837.0	23.41	142.74	50.18	53.65	69.08	21,599.	18.46	114.71	0.2286
2-18	53.65	0.4375	65	Slip	82.00	11,675	52.62	46.817	72.46	24,931.5	19.45	120.28	40.36	100.47	55.43	11,160.	14.50	92.24	0.2286
3-18	53.74	0.3750	65	Slip	66.00	7,802	42.36	94.974	49.98	11,132.5	18.16	112.97	30.08	148.71	35.36	3,941.6	12.38	80.21	0.2286
4-18	31.29	0.2500	65	Butt	0.00	2,253	30.44	148.708	23.95	2,757.8	19.70	121.75	23.40	180.00	18.37	1,243.8	14.74	93.60	0.2249
			Total Shaft Weight			**35,896**													

DISCRETE APPURTENANCE PROPERTIES

					No Ice			Ice		
Attach Elev (ft)	Description	Qty	Ka	Vert Ecc (ft)	Weight (lb)	EPAa (sf)	Orientation Factor	Weight (lb)	EPAa (sf)	Orientation Factor
186.80	Generic 15' Omni	2	1.00	0.000	40.00	4.500	1.00	116.96	8.134	1.00
185.10	Samsung SFG-ARR3KM01DI	3	0.75	0.000	61.30	1.875	0.50	102.14	2.487	0.50
185.10	Samsung SFG-ARR3J601DI	3	0.75	0.000	94.60	2.063	0.67	143.56	2.705	0.67
181.80	JMA Wireless MX08FRO665-21	3	0.75	0.000	64.50	12.489	0.64	239.34	14.401	0.64
181.50	Raycap RDIDC-9181-PF-48	1	0.75	0.000	21.90	1.867	1.00	60.53	2.479	1.00
180.00	Generic Round Platform with Ha	1	1.00	0.000	2500.00	27.200	1.00	3601.82	43.828	1.00
179.60	Generic TTA	1	1.00	0.000	10.00	1.200	1.00	34.46	1.693	1.00
160.00	Commscope CBC78T-DS-43-2X	3	0.75	0.000	20.70	0.552	0.50	35.53	0.893	0.50
160.00	Samsung B2/B66A RRH ORAN (RF 4	3	0.75	0.000	74.70	1.875	0.50	117.61	2.479	0.50
160.00	Samsung RF4461d-13A	3	0.75	0.000	79.10	1.875	0.50	122.39	2.481	0.50
160.00	Commscope JAHH-65B-R3B	6	0.75	0.000	60.60	9.113	0.69	196.44	10.976	0.69
160.00	Samsung MT6413-77A	3	0.75	0.000	57.30	3.805	0.61	114.31	4.697	0.61
160.00	Raycap RRFDC-3315-PF-48	2	0.75	0.000	26.90	2.512	0.67	80.39	3.211	0.67
160.00	Generic Round Platform with Ha	1	1.00	0.000	2500.00	27.200	1.00	3587.57	43.613	1.00
160.00	Generic Mount Reinforcement	3	0.75	0.000	200.00	4.980	0.67	329.95	8.318	0.67
155.70	Ericsson AIR 6419 B77G	3	0.75	0.000	66.10	3.797	0.65	131.14	4.680	0.65
155.00	Ericsson AIR 6449 B77D/ C-Band	3	0.75	0.000	81.60	4.028	0.70	159.62	4.947	0.70
153.00	Flat Platform w/ Round Handrai	1	1.00	0.000	2500.00	34.800	1.00	3664.64	51.012	1.00
153.00	Kathrein Scala 80010965	3	0.75	0.000	97.60	13.814	0.62	275.88	15.854	0.62
153.00	Quintel QD6616-7	3	0.75	0.000	130.00	13.578	0.64	325.61	15.476	0.64
153.00	Ericsson RRUS E2 B29	3	0.75	0.000	60.00	3.145	0.62	114.09	3.920	0.62
153.00	Ericsson RRUS 32 B2	3	0.75	0.000	53.00	2.743	0.67	102.18	3.525	0.67
153.00	Ericsson RRUS 32 B66A	3	0.75	0.000	50.70	2.720	0.67	99.71	3.498	0.67
153.00	Ericsson RRUS 32 B30 (60 lbs)	3	0.75	0.000	60.00	2.692	0.67	107.52	3.465	0.67
153.00	Ericsson RRUS 4449 B5, B12	3	0.75	0.000	71.00	1.969	0.50	114.10	2.593	0.50
153.00	Ericsson RRUS 4478 B14 (15")	3	0.75	0.000	59.40	1.650	0.50	92.63	2.217	0.50
153.00	Raycap DC6-48-60-18-8F ("Squid	1	0.75	0.000	18.90	1.470	1.00	60.17	1.937	1.00
153.00	Raycap DC6-48-60-18-8F	1	0.75	0.000	20.00	1.260	1.00	55.21	1.700	1.00
153.00	Raycap DC9-48-60-24-8C-EV	1	0.75	0.000	16.00	1.010	1.00	46.15	1.385	1.00
153.00	Powerwave Allgon 7020.00 Dual	6	0.75	0.000	2.20	0.339	0.50	9.03	0.613	0.50
153.00	Andrew APTDC-BDFDM-DBW	6	0.75	0.000	1.30	0.102	0.50	3.75	0.259	0.50
153.00	Generic Mount Reinforcement	3	0.75	0.000	200.00	4.980	0.67	329.41	8.304	0.67
130.00	RFS APXVAARR24_43-U-NA20	3	0.75	0.000	127.90	20.243	0.63	385.93	22.681	0.63
130.00	RFS APX16DWV-16DWVS-E-A20	3	0.75	0.000	40.70	6.586	0.60	117.48	8.009	0.60
130.00	Ericsson Air6449 B41	3	0.75	0.000	104.00	5.682	0.63	193.57	6.725	0.63
130.00	Generic Mount Reinforcement	3	0.75	0.000	200.00	4.980	0.67	327.20	8.248	0.67
130.00	Generic Round Platform with Ha	1	1.00	0.000	2500.00	27.200	1.00	3564.59	43.266	1.00
130.00	Ericsson Radio 2212 B13	3	0.75	1.400	42.80	1.856	0.50	76.14	2.447	0.50
130.00	Ericsson Radio 4449 B71 B85A	3	0.75	0.000	75.00	1.650	0.50	114.53	2.208	0.50
130.00	Ericsson RRUS 4415 B66	3	0.75	0.000	46.00	1.650	0.50	74.46	2.208	0.50
130.00	Ericsson 4424 B25	3	0.75	0.000	86.00	2.052	0.50	133.92	2.672	0.50
Totals	**Row Count: 41**	**112**			**17,517.20**			**29,765.01**		

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	186.30	2	1 5/8" Coax	1.98	0.82	N	0	0	0	0	0	N	OTHER

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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	174.00	1	1.75" (44.5mm) Hybrid	1.75	2.72	N	0	0	0	0	0	N	DISH WIRELESS L.L.C.
0.00	160.00	12	1 5/8" Coax	1.98	0.82	N	0	0	0	0	0	N	VERIZON WIRELESS
0.00	160.00	2	1 5/8" Hybriflex	1.98	1.3	N	0	0	0	0	0	N	VERIZON WIRELESS
0.00	153.00	6	1 1/4" Coax	1.55	0.63	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	153.00	4	0.78" (19.7mm) 8 AWG	0.78	0.59	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	153.00	2	0.41" (10.3mm) Fiber	0.41	0.09	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	153.00	2	0.96" (24.3mm) Cable	0.96	0.88	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	153.00	1	0.92" (23.4mm) Cable	0.92	0.89	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	130.00	4	1 5/8" Hybriflex	1.98	1.3	N	0	0	0	0	0	N	T-MOBILE

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	F'y (ksi)	S (in^3)	Z (in^3)	Weight (lb)
0.00		0.4375	62.450	86.109	41,837.00	23.41	142.74	73.9	1319.5	0.0	0.0
5.00		0.4375	61.307	84.522	39,566.00	22.95	140.13	74.4	1271.1	0.0	1,451.5
10.00		0.4375	60.164	82.935	37,378.70	22.48	137.52	75	1223.7	0.0	1,424.5
15.00		0.4375	59.021	81.348	35,273.50	22.02	134.91	75.5	1177.1	0.0	1,397.5
20.00		0.4375	57.878	79.760	33,248.90	21.56	132.29	76	1131.5	0.0	1,370.5
25.00		0.4375	56.735	78.173	31,303.30	21.10	129.68	76.6	1086.7	0.0	1,343.5
30.00		0.4375	55.592	76.586	29,435.10	20.64	127.07	77.1	1042.9	0.0	1,316.5
35.00		0.4375	54.449	74.999	27,642.70	20.18	124.45	77.7	999.9	0.0	1,289.5
40.00		0.4375	53.306	73.412	25,924.70	19.72	121.84	78.2	957.9	0.0	1,262.5
45.00		0.4375	52.163	71.825	24,279.30	19.26	119.23	78.7	916.8	0.0	1,235.5
46.82	Bot - Section 2	0.4375	51.747	71.247	23,698.30	19.09	118.28	78.9	902.0	0.0	442.9
50.00		0.4375	51.020	70.238	22,705.10	18.80	116.62	79.3	876.5	0.0	1,544.4
53.65	Top - Section 1	0.4375	51.060	70.293	22,759.00	18.82	116.71	79.3	877.9	0.0	1,746.7
55.00		0.4375	50.752	69.865	22,346.10	18.69	116.00	79.4	867.2	0.0	321.3
60.00		0.4375	49.609	68.278	20,857.50	18.23	113.39	80	828.1	0.0	1,175.2
65.00		0.4375	48.466	66.691	19,436.60	17.77	110.78	80.5	789.9	0.0	1,148.2
70.00		0.4375	47.323	65.104	18,081.70	17.31	108.17	81	752.6	0.0	1,121.2
75.00		0.4375	46.180	63.517	16,791.20	16.85	105.55	81.6	716.2	0.0	1,094.2
80.00		0.4375	45.037	61.930	15,563.70	16.39	102.94	82.1	680.7	0.0	1,067.2
85.00		0.4375	43.894	60.343	14,397.50	15.93	100.33	82.6	646.0	0.0	1,040.2
90.00		0.4375	42.751	58.755	13,291.00	15.47	97.72	82.6	612.3	0.0	1,013.2
94.97	Bot - Section 3	0.4375	41.614	57.177	12,248.50	15.01	95.12	82.6	579.7	0.0	980.8
95.00		0.4375	41.608	57.168	12,242.80	15.01	95.10	82.6	579.5	0.0	10.1
100.00		0.4375	40.465	55.581	11,251.20	14.55	92.49	82.6	547.6	0.0	1,797.7
100.47	Top - Section 2	0.3750	41.107	48.480	10,162.10	17.57	109.62	80.7	486.9	0.0	167.2
105.00		0.3750	40.072	47.248	9,406.90	17.08	106.86	81.3	462.4	0.0	737.4
110.00		0.3750	38.929	45.887	8,617.60	16.54	103.81	81.9	436.0	0.0	792.3
115.00		0.3750	37.786	44.527	7,873.60	16.00	100.76	82.6	410.4	0.0	769.1
120.00		0.3750	36.643	43.166	7,173.80	15.47	97.71	82.6	385.6	0.0	746.0
125.00		0.3750	35.500	41.806	6,516.70	14.93	94.67	82.6	361.6	0.0	722.9
130.00		0.3750	34.357	40.446	5,901.00	14.39	91.62	82.6	338.3	0.0	699.7
135.00		0.3750	33.214	39.085	5,325.30	13.85	88.57	82.6	315.8	0.0	676.6
140.00		0.3750	32.071	37.725	4,788.40	13.32	85.52	82.6	294.1	0.0	653.4
145.00		0.3750	30.928	36.364	4,288.80	12.78	82.47	82.6	273.1	0.0	630.3
148.71	Top - Section 3	0.3750	30.080	35.355	3,941.60	12.38	80.21	82.6	258.1	0.0	452.5
148.71	Bot - Section 4	0.2500	30.438	23.953	2,757.80	19.70	121.75	78.2	178.5	0.0	
150.00		0.2500	30.147	23.722	2,679.00	19.50	120.59	78.5	175.0	0.0	104.8
153.00		0.2500	29.472	23.187	2,501.70	19.02	117.89	79	167.2	0.0	239.4
155.00		0.2500	29.023	22.830	2,387.90	18.71	116.09	79.4	162.1	0.0	156.6
155.70		0.2500	28.865	22.705	2,348.90	18.60	115.46	79.5	160.3	0.0	54.2
160.00		0.2500	27.898	21.938	2,118.70	17.91	111.59	80.3	149.6	0.0	326.6
165.00		0.2500	26.774	21.046	1,870.60	17.12	107.09	81.3	137.6	0.0	365.7
170.00		0.2500	25.649	20.153	1,642.60	16.33	102.60	82.2	126.1	0.0	350.5
175.00		0.2500	24.525	19.261	1,434.00	15.53	98.10	82.6	115.2	0.0	335.3
179.60		0.2500	23.490	18.440	1,258.30	14.80	93.96	82.6	105.5	0.0	295.1

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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	F'y (ksi)	S (in^3)	Z (in^3)	Weight (lb)
180.00			0.2500	23.400	18.369	1,243.80	14.74	93.60	82.6	104.7	0.0	25.1
											Total:	**35,895.5**

CALCULATED FORCES

Load Case: 1.2D + 1.0W — 127 mph Wind with No Ice — 25 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	-69.82	-34.67	0.00	-4,341.3	0.00	4,341.32	5,724.86	1,511.21	8,464.29	7,310.45	0	0	0.607
5.00	-67.81	-34.27	0.00	-4,168.0	0.00	4,167.98	5,660.55	1,483.36	8,155.18	7,094.17	0.08	-0.14	0.600
10.00	-65.82	-33.87	0.00	-3,996.6	0.00	3,996.63	5,594.70	1,455.50	7,851.81	6,879.04	0.31	-0.29	0.593
15.00	-63.88	-33.48	0.00	-3,827.3	0.00	3,827.27	5,527.30	1,427.65	7,554.20	6,665.16	0.69	-0.44	0.586
20.00	-61.96	-33.09	0.00	-3,659.9	0.00	3,659.88	5,458.35	1,399.80	7,262.33	6,452.65	1.24	-0.59	0.579
25.00	-60.09	-32.70	0.00	-3,494.4	0.00	3,494.44	5,387.86	1,371.94	6,976.22	6,241.61	1.94	-0.74	0.572
30.00	-58.24	-32.31	0.00	-3,330.9	0.00	3,330.93	5,315.82	1,344.09	6,695.85	6,032.16	2.8	-0.9	0.564
35.00	-56.43	-31.91	0.00	-3,169.4	0.00	3,169.37	5,242.22	1,316.23	6,421.23	5,824.40	3.83	-1.06	0.556
40.00	-54.65	-31.49	0.00	-3,009.8	0.00	3,009.82	5,167.09	1,288.38	6,152.37	5,618.45	5.02	-1.22	0.547
45.00	-52.93	-31.18	0.00	-2,852.4	0.00	2,852.37	5,090.40	1,260.52	5,889.25	5,414.42	6.38	-1.38	0.538
46.82	-52.29	-30.97	0.00	-2,795.6	0.00	2,795.63	5,062.11	1,250.39	5,794.93	5,340.67	6.92	-1.44	0.534
50.00	-50.27	-30.64	0.00	-2,697.1	0.00	2,697.14	5,012.16	1,232.67	5,631.89	5,212.41	7.91	-1.54	0.528
53.65	-48.01	-30.36	0.00	-2,585.2	0.00	2,585.24	5,014.93	1,233.64	5,640.79	5,219.44	9.14	-1.66	0.505
55.00	-47.53	-30.08	0.00	-2,544.3	0.00	2,544.33	4,993.60	1,226.14	5,572.37	5,165.35	9.61	-1.71	0.503
60.00	-45.87	-29.59	0.00	-2,394.0	0.00	2,393.95	4,913.45	1,198.28	5,322.11	4,966.00	11.48	-1.86	0.492
65.00	-44.24	-29.10	0.00	-2,246.0	0.00	2,246.00	4,831.76	1,170.43	5,077.59	4,768.91	13.52	-2.02	0.481
70.00	-42.66	-28.60	0.00	-2,100.5	0.00	2,100.50	4,748.52	1,142.58	4,838.82	4,574.21	15.73	-2.18	0.469
75.00	-41.10	-28.10	0.00	-1,957.5	0.00	1,957.50	4,663.73	1,114.72	4,605.80	4,382.00	18.1	-2.34	0.456
80.00	-39.58	-27.59	0.00	-1,817.0	0.00	1,817.01	4,577.39	1,086.87	4,378.53	4,192.39	20.64	-2.5	0.443
85.00	-38.10	-27.09	0.00	-1,679.0	0.00	1,679.04	4,483.15	1,059.01	4,157.01	3,999.83	23.34	-2.66	0.429
90.00	-36.65	-26.58	0.00	-1,543.6	0.00	1,543.62	4,365.24	1,031.16	3,941.25	3,791.17	26.21	-2.82	0.416
94.97	-35.27	-26.29	0.00	-1,411.5	0.00	1,411.47	4,247.97	1,003.46	3,732.38	3,589.20	29.23	-2.98	0.402
95.00	-35.24	-26.06	0.00	-1,410.7	0.00	1,410.74	4,247.32	1,003.30	3,731.23	3,588.09	29.25	-2.98	0.402
100.00	-32.87	-25.69	0.00	-1,280.4	0.00	1,280.43	4,129.40	975.45	3,526.96	3,390.61	32.45	-3.14	0.386
100.47	-32.64	-25.45	0.00	-1,268.3	0.00	1,268.30	3,522.83	850.82	3,130.30	2,948.50	32.77	-3.15	0.440
105.00	-31.55	-24.97	0.00	-1,153.1	0.00	1,153.06	3,457.66	829.20	2,973.26	2,819.74	35.82	-3.29	0.419
110.00	-30.37	-24.47	0.00	-1,028.2	0.00	1,028.21	3,384.20	805.32	2,804.53	2,679.63	39.35	-3.46	0.394
115.00	-29.23	-23.96	0.00	-905.9	0.00	905.89	3,308.12	781.45	2,640.73	2,540.99	43.06	-3.61	0.366
120.00	-28.13	-23.46	0.00	-786.1	0.00	786.08	3,207.05	757.57	2,481.85	2,387.35	46.92	-3.77	0.339
125.00	-27.05	-22.96	0.00	-668.8	0.00	668.78	3,105.98	733.70	2,327.91	2,238.49	50.95	-3.91	0.308
130.00	-20.72	-18.02	0.00	-553.8	0.00	553.85	3,004.91	709.82	2,178.89	2,094.44	55.11	-4.05	0.272
135.00	-19.75	-17.52	0.00	-463.8	0.00	463.76	2,903.84	685.95	2,034.81	1,955.17	59.41	-4.17	0.245
140.00	-18.82	-17.02	0.00	-376.2	0.00	376.18	2,802.76	662.07	1,895.65	1,820.69	63.84	-4.28	0.214
145.00	-17.92	-16.58	0.00	-291.1	0.00	291.08	2,701.69	638.20	1,761.42	1,691.01	68.37	-4.38	0.179
148.71	-17.27	-16.32	0.00	-229.6	0.00	229.58	2,626.73	620.49	1,665.04	1,597.92	71.8	-4.44	0.151
148.71	-17.27	-16.32	0.00	-229.6	0.00	229.58	1,686.34	420.37	1,146.21	1,046.99	71.8	-4.44	0.231
150.00	-17.10	-16.13	0.00	-208.5	0.00	208.50	1,675.25	416.33	1,124.26	1,030.02	73	-4.46	0.214
153.00	-11.25	-10.37	0.00	-160.1	0.00	160.10	1,649.13	406.93	1,074.10	990.88	75.82	-4.52	0.169
155.00	-10.75	-9.92	0.00	-139.4	0.00	139.36	1,631.41	400.67	1,041.29	965.02	77.72	-4.56	0.152
155.70	-10.47	-9.42	0.00	-132.4	0.00	132.41	1,625.15	398.48	1,029.93	956.01	78.39	-4.57	0.146
160.00	-5.28	-4.93	0.00	-91.9	0.00	91.91	1,586.07	385.01	961.50	901.22	82.53	-4.63	0.105
165.00	-4.84	-4.49	0.00	-67.3	0.00	67.26	1,539.23	369.35	884.89	838.71	87.4	-4.68	0.083
170.00	-4.43	-4.07	0.00	-44.8	0.00	44.80	1,490.89	353.69	811.46	777.61	92.32	-4.72	0.061
175.00	-4.03	-3.67	0.00	-24.4	0.00	24.45	1,431.01	338.03	741.20	713.01	97.28	-4.75	0.037
179.60	-3.68	-3.40	0.00	-7.6	0.00	7.55	1,370.02	323.63	679.38	653.23	101.86	-4.77	0.014
180.00	0.00	-3.08	0.00	-6.2	0.00	6.20	1,364.72	322.37	674.13	648.16	102.26	-4.77	0.010

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CALCULATED FORCES

Load Case: 0.9D + 1.0W — 127 mph Wind with No Ice (Reduced DL) — 25 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	-52.35	-34.65	0.00	-4,280.0	0.00	4,279.97	5,724.86	1,511.21	8,464.29	7,310.45	0	0	0.595
5.00	-50.82	-34.20	0.00	-4,106.7	0.00	4,106.74	5,660.55	1,483.36	8,155.18	7,094.17	0.08	-0.14	0.588
10.00	-49.32	-33.76	0.00	-3,935.7	0.00	3,935.74	5,594.70	1,455.50	7,851.81	6,879.04	0.3	-0.29	0.581
15.00	-47.84	-33.33	0.00	-3,766.9	0.00	3,766.93	5,527.30	1,427.65	7,554.20	6,665.16	0.68	-0.43	0.574
20.00	-46.39	-32.90	0.00	-3,600.3	0.00	3,600.30	5,458.35	1,399.80	7,262.33	6,452.65	1.22	-0.58	0.567
25.00	-44.96	-32.47	0.00	-3,435.8	0.00	3,435.81	5,387.86	1,371.94	6,976.22	6,241.61	1.91	-0.73	0.559
30.00	-43.55	-32.05	0.00	-3,273.4	0.00	3,273.43	5,315.82	1,344.09	6,695.85	6,032.16	2.76	-0.89	0.551
35.00	-42.18	-31.61	0.00	-3,113.2	0.00	3,113.19	5,242.22	1,316.23	6,421.23	5,824.40	3.77	-1.04	0.543
40.00	-40.83	-31.16	0.00	-2,955.1	0.00	2,955.12	5,167.09	1,288.38	6,152.37	5,618.45	4.94	-1.2	0.534
45.00	-39.53	-30.84	0.00	-2,799.3	0.00	2,799.31	5,090.40	1,260.52	5,889.25	5,414.42	6.28	-1.35	0.525
46.82	-39.04	-30.61	0.00	-2,743.2	0.00	2,743.21	5,062.11	1,250.39	5,794.93	5,340.67	6.81	-1.41	0.522
50.00	-37.51	-30.26	0.00	-2,645.9	0.00	2,645.86	5,012.16	1,232.67	5,631.89	5,212.41	7.78	-1.52	0.516
53.65	-35.81	-29.98	0.00	-2,535.3	0.00	2,535.33	5,014.93	1,233.64	5,640.79	5,219.44	8.99	-1.63	0.493
55.00	-35.44	-29.68	0.00	-2,494.9	0.00	2,494.94	4,993.60	1,226.14	5,572.37	5,165.35	9.46	-1.68	0.491
60.00	-34.18	-29.17	0.00	-2,346.5	0.00	2,346.54	4,913.45	1,198.28	5,322.11	4,966.00	11.3	-1.83	0.480
65.00	-32.95	-28.66	0.00	-2,200.7	0.00	2,200.67	4,831.76	1,170.43	5,077.59	4,768.91	13.3	-1.99	0.469
70.00	-31.75	-28.15	0.00	-2,057.4	0.00	2,057.36	4,748.52	1,142.58	4,838.82	4,574.21	15.47	-2.14	0.457
75.00	-30.57	-27.63	0.00	-1,916.6	0.00	1,916.63	4,663.73	1,114.72	4,605.80	4,382.00	17.79	-2.3	0.445
80.00	-29.42	-27.11	0.00	-1,778.5	0.00	1,778.49	4,577.39	1,086.87	4,378.53	4,192.39	20.29	-2.46	0.431
85.00	-28.30	-26.59	0.00	-1,642.9	0.00	1,642.94	4,483.15	1,059.01	4,157.01	3,999.83	22.94	-2.61	0.418
90.00	-27.20	-26.07	0.00	-1,510.0	0.00	1,509.99	4,365.24	1,031.16	3,941.25	3,791.17	25.76	-2.77	0.405
94.97	-26.16	-25.79	0.00	-1,380.4	0.00	1,380.36	4,247.97	1,003.46	3,732.38	3,589.20	28.73	-2.92	0.391
95.00	-26.13	-25.55	0.00	-1,379.6	0.00	1,379.64	4,247.32	1,003.30	3,731.23	3,588.09	28.75	-2.92	0.391
100.00	-24.35	-25.19	0.00	-1,251.9	0.00	1,251.91	4,129.40	975.45	3,526.96	3,390.61	31.89	-3.08	0.376
100.47	-24.17	-24.95	0.00	-1,240.0	0.00	1,240.01	3,522.83	850.82	3,130.30	2,948.50	32.19	-3.09	0.428
105.00	-23.35	-24.46	0.00	-1,127.0	0.00	1,127.05	3,457.66	829.20	2,973.26	2,819.74	35.19	-3.23	0.407
110.00	-22.46	-23.95	0.00	-1,004.8	0.00	1,004.76	3,384.20	805.32	2,804.53	2,679.63	38.66	-3.39	0.382
115.00	-21.60	-23.44	0.00	-885.0	0.00	885.02	3,308.12	781.45	2,640.73	2,540.99	42.29	-3.54	0.356
120.00	-20.76	-22.94	0.00	-767.8	0.00	767.82	3,207.05	757.57	2,481.85	2,387.35	46.08	-3.69	0.329
125.00	-19.96	-22.44	0.00	-653.1	0.00	653.14	3,105.98	733.70	2,327.91	2,238.49	50.02	-3.84	0.299
130.00	-15.27	-17.60	0.00	-540.8	0.00	540.82	3,004.91	709.82	2,178.89	2,094.44	54.11	-3.97	0.264
135.00	-14.54	-17.11	0.00	-452.8	0.00	452.81	2,903.84	685.95	2,034.81	1,955.17	58.33	-4.09	0.237
140.00	-13.85	-16.62	0.00	-367.3	0.00	367.27	2,802.76	662.07	1,895.65	1,820.69	62.66	-4.19	0.207
145.00	-13.17	-16.19	0.00	-284.2	0.00	284.17	2,701.69	638.20	1,761.42	1,691.01	67.1	-4.29	0.174
148.71	-12.69	-15.94	0.00	-224.1	0.00	224.11	2,626.73	620.49	1,665.04	1,597.92	70.46	-4.35	0.146
148.71	-12.69	-15.94	0.00	-224.1	0.00	224.11	1,686.34	420.37	1,146.21	1,046.99	70.46	-4.35	0.223
150.00	-12.56	-15.75	0.00	-203.5	0.00	203.52	1,675.25	416.33	1,124.26	1,030.02	71.64	-4.37	0.207
153.00	-8.26	-10.12	0.00	-156.3	0.00	156.26	1,649.13	406.93	1,074.10	990.88	74.41	-4.43	0.163
155.00	-7.90	-9.67	0.00	-136.0	0.00	136.01	1,631.41	400.67	1,041.29	965.02	76.27	-4.46	0.146
155.70	-7.70	-9.18	0.00	-129.2	0.00	129.24	1,625.15	398.48	1,029.93	956.01	76.92	-4.48	0.140
160.00	-3.87	-4.81	0.00	-89.8	0.00	89.76	1,586.07	385.01	961.50	901.22	80.98	-4.53	0.102
165.00	-3.55	-4.38	0.00	-65.7	0.00	65.71	1,539.23	369.35	884.89	838.71	85.75	-4.58	0.081
170.00	-3.25	-3.97	0.00	-43.8	0.00	43.81	1,490.89	353.69	811.46	777.61	90.57	-4.63	0.059
175.00	-2.96	-3.58	0.00	-24.0	0.00	23.98	1,431.01	338.03	741.20	713.01	95.43	-4.66	0.036
179.60	-2.70	-3.31	0.00	-7.5	0.00	7.52	1,370.02	323.63	679.38	653.23	99.92	-4.67	0.014
180.00	0.00	-3.08	0.00	-6.2	0.00	6.20	1,364.72	322.37	674.13	648.16	100.31	-4.67	0.010

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CALCULATED FORCES

Load Case: 1.2D + 1.0Di + 1.0Wi — 50 mph Wind with 1" Radial Ice — 24 Iterations

Gust Response Factor: 1.10 — Ice Dead Load Factor 1.00
Dead load Factor: 1.20 — Ice Importance Factor 1.00
Wind Load Factor: 1.00

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (ft-kips)	Phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-89.83	-8.39	0.00	-1,045.2	0.00	1,045.24	5,724.86	1,511.21	8,464.29	7,310.45	0	0	0.159
5.00	-87.60	-8.30	0.00	-1,003.3	0.00	1,003.28	5,660.55	1,483.36	8,155.18	7,094.17	0.02	-0.03	0.157
10.00	-85.37	-8.20	0.00	-961.8	0.00	961.81	5,594.70	1,455.50	7,851.81	6,879.04	0.07	-0.07	0.155
15.00	-83.16	-8.10	0.00	-920.8	0.00	920.81	5,527.30	1,427.65	7,554.20	6,665.16	0.17	-0.11	0.153
20.00	-80.98	-8.01	0.00	-880.3	0.00	880.29	5,458.35	1,399.80	7,262.33	6,452.65	0.3	-0.14	0.151
25.00	-78.83	-7.92	0.00	-840.2	0.00	840.24	5,387.86	1,371.94	6,976.22	6,241.61	0.47	-0.18	0.149
30.00	-76.71	-7.82	0.00	-800.7	0.00	800.66	5,315.82	1,344.09	6,695.85	6,032.16	0.67	-0.22	0.147
35.00	-74.63	-7.72	0.00	-761.6	0.00	761.56	5,242.22	1,316.23	6,421.23	5,824.40	0.92	-0.25	0.145
40.00	-72.58	-7.62	0.00	-723.0	0.00	722.95	5,167.09	1,288.38	6,152.37	5,618.45	1.21	-0.29	0.143
45.00	-70.56	-7.54	0.00	-684.9	0.00	684.86	5,090.40	1,260.52	5,889.25	5,414.42	1.53	-0.33	0.140
46.82	-69.84	-7.49	0.00	-671.1	0.00	671.14	5,062.11	1,250.39	5,794.93	5,340.67	1.66	-0.35	0.139
50.00	-67.64	-7.41	0.00	-647.3	0.00	647.32	5,012.16	1,232.67	5,631.89	5,212.41	1.9	-0.37	0.138
53.65	-65.16	-7.34	0.00	-620.3	0.00	620.27	5,014.93	1,233.64	5,640.79	5,219.44	2.2	-0.4	0.132
55.00	-64.63	-7.27	0.00	-610.4	0.00	610.38	4,993.60	1,226.14	5,572.37	5,165.35	2.31	-0.41	0.131
60.00	-62.70	-7.14	0.00	-574.0	0.00	574.05	4,913.45	1,198.28	5,322.11	4,966.00	2.76	-0.45	0.128
65.00	-60.80	-7.02	0.00	-538.3	0.00	538.33	4,831.76	1,170.43	5,077.59	4,768.91	3.25	-0.49	0.126
70.00	-58.94	-6.89	0.00	-503.2	0.00	503.23	4,748.52	1,142.58	4,838.82	4,574.21	3.78	-0.52	0.122
75.00	-57.12	-6.77	0.00	-468.8	0.00	468.76	4,663.73	1,114.72	4,605.80	4,382.00	4.35	-0.56	0.119
80.00	-55.33	-6.64	0.00	-434.9	0.00	434.94	4,577.39	1,086.87	4,378.53	4,192.39	4.96	-0.6	0.116
85.00	-53.59	-6.51	0.00	-401.8	0.00	401.75	4,483.15	1,059.01	4,157.01	3,999.83	5.61	-0.64	0.112
90.00	-51.88	-6.38	0.00	-369.2	0.00	369.22	4,365.24	1,031.16	3,941.25	3,791.17	6.3	-0.68	0.109
94.97	-50.22	-6.30	0.00	-337.5	0.00	337.52	4,247.97	1,003.46	3,732.38	3,589.20	7.03	-0.71	0.106
95.00	-50.21	-6.24	0.00	-337.4	0.00	337.35	4,247.32	1,003.30	3,731.23	3,588.09	7.03	-0.71	0.106
100.00	-47.57	-6.15	0.00	-306.1	0.00	306.14	4,129.40	975.45	3,526.96	3,390.61	7.8	-0.75	0.102
100.47	-47.32	-6.09	0.00	-303.2	0.00	303.24	3,522.83	850.82	3,130.30	2,948.50	7.87	-0.76	0.116
105.00	-46.00	-5.96	0.00	-275.7	0.00	275.68	3,457.66	829.20	2,973.26	2,819.74	8.61	-0.79	0.111
110.00	-44.58	-5.83	0.00	-245.9	0.00	245.88	3,384.20	805.32	2,804.53	2,679.63	9.46	-0.83	0.105
115.00	-43.20	-5.70	0.00	-216.7	0.00	216.73	3,308.12	781.45	2,640.73	2,540.99	10.34	-0.87	0.098
120.00	-41.84	-5.57	0.00	-188.2	0.00	188.24	3,207.05	757.57	2,481.85	2,387.35	11.27	-0.9	0.092
125.00	-40.53	-5.43	0.00	-160.4	0.00	160.41	3,105.98	733.70	2,327.91	2,238.49	12.24	-0.94	0.085
130.00	-31.19	-4.32	0.00	-133.2	0.00	133.21	3,004.91	709.82	2,178.89	2,094.44	13.24	-0.97	0.074
135.00	-29.97	-4.18	0.00	-111.6	0.00	111.62	2,903.84	685.95	2,034.81	1,955.17	14.27	-1	0.067
140.00	-28.80	-4.05	0.00	-90.7	0.00	90.71	2,802.76	662.07	1,895.65	1,820.69	15.33	-1.03	0.060
145.00	-27.65	-3.93	0.00	-70.5	0.00	70.46	2,701.69	638.20	1,761.42	1,691.01	16.42	-1.05	0.052
148.71	-26.83	-3.86	0.00	-55.9	0.00	55.89	2,626.73	620.49	1,665.04	1,597.92	17.24	-1.07	0.045
148.71	-26.83	-3.86	0.00	-55.9	0.00	55.89	1,686.34	420.37	1,146.21	1,046.99	17.24	-1.07	0.069
150.00	-26.60	-3.81	0.00	-50.9	0.00	50.91	1,675.25	416.33	1,124.26	1,030.02	17.53	-1.07	0.065
153.00	-17.33	-2.53	0.00	-39.5	0.00	39.49	1,649.13	406.93	1,074.10	990.88	18.21	-1.09	0.050
155.00	-16.54	-2.43	0.00	-34.4	0.00	34.42	1,631.41	400.67	1,041.29	965.02	18.67	-1.09	0.046
155.70	-16.04	-2.31	0.00	-32.7	0.00	32.72	1,625.15	398.48	1,029.93	956.01	18.83	-1.1	0.044
160.00	-8.08	-1.25	0.00	-22.8	0.00	22.79	1,586.07	385.01	961.50	901.22	19.82	-1.11	0.030
165.00	-7.41	-1.13	0.00	-16.5	0.00	16.54	1,539.23	369.35	884.89	838.71	20.99	-1.12	0.025
170.00	-6.77	-1.01	0.00	-10.9	0.00	10.92	1,490.89	353.69	811.46	777.61	22.18	-1.13	0.019
175.00	-6.15	-0.89	0.00	-5.9	0.00	5.89	1,431.01	338.03	741.20	713.01	23.37	-1.14	0.013
179.60	-5.59	-0.82	0.00	-1.8	0.00	1.79	1,370.02	323.63	679.38	653.23	24.47	-1.15	0.007
180.00	0.00	-0.70	0.00	-1.5	0.00	1.46	1,364.72	322.37	674.13	648.16	24.57	-1.15	0.002

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CALCULATED FORCES

Load Case: 1.0D + 1.0W — 60 mph Wind with No Ice — 23 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	-58.22	-6.92	0.00	-859.4	0.00	859.44	5,724.86	1,511.21	8,464.29	7,310.45	0	0	0.128
5.00	-56.61	-6.83	0.00	-824.8	0.00	824.85	5,660.55	1,483.36	8,155.18	7,094.17	0.02	-0.03	0.126
10.00	-55.03	-6.75	0.00	-790.7	0.00	790.68	5,594.70	1,455.50	7,851.81	6,879.04	0.06	-0.06	0.125
15.00	-53.47	-6.66	0.00	-756.9	0.00	756.94	5,527.30	1,427.65	7,554.20	6,665.16	0.14	-0.09	0.123
20.00	-51.94	-6.58	0.00	-723.6	0.00	723.61	5,458.35	1,399.80	7,262.33	6,452.65	0.24	-0.12	0.122
25.00	-50.44	-6.50	0.00	-690.7	0.00	690.70	5,387.86	1,371.94	6,976.22	6,241.61	0.38	-0.15	0.120
30.00	-48.97	-6.42	0.00	-658.2	0.00	658.20	5,315.82	1,344.09	6,695.85	6,032.16	0.55	-0.18	0.118
35.00	-47.52	-6.33	0.00	-626.1	0.00	626.12	5,242.22	1,316.23	6,421.23	5,824.40	0.76	-0.21	0.117
40.00	-46.10	-6.25	0.00	-594.4	0.00	594.45	5,167.09	1,288.38	6,152.37	5,618.45	0.99	-0.24	0.115
45.00	-44.71	-6.18	0.00	-563.2	0.00	563.22	5,090.40	1,260.52	5,889.25	5,414.42	1.26	-0.27	0.113
46.82	-44.20	-6.14	0.00	-552.0	0.00	551.98	5,062.11	1,250.39	5,794.93	5,340.67	1.37	-0.28	0.112
50.00	-42.56	-6.07	0.00	-532.5	0.00	532.46	5,012.16	1,232.67	5,631.89	5,212.41	1.56	-0.3	0.111
53.65	-40.70	-6.01	0.00	-510.3	0.00	510.29	5,014.93	1,233.64	5,640.79	5,219.44	1.81	-0.33	0.106
55.00	-40.33	-5.96	0.00	-502.2	0.00	502.19	4,993.60	1,226.14	5,572.37	5,165.35	1.9	-0.34	0.105
60.00	-39.00	-5.86	0.00	-472.4	0.00	472.41	4,913.45	1,198.28	5,322.11	4,966.00	2.27	-0.37	0.103
65.00	-37.70	-5.76	0.00	-443.1	0.00	443.13	4,831.76	1,170.43	5,077.59	4,768.91	2.67	-0.4	0.101
70.00	-36.42	-5.65	0.00	-414.4	0.00	414.35	4,748.52	1,142.58	4,838.82	4,574.21	3.11	-0.43	0.098
75.00	-35.17	-5.55	0.00	-386.1	0.00	386.08	4,663.73	1,114.72	4,605.80	4,382.00	3.58	-0.46	0.096
80.00	-33.94	-5.45	0.00	-358.3	0.00	358.32	4,577.39	1,086.87	4,378.53	4,192.39	4.08	-0.49	0.093
85.00	-32.75	-5.35	0.00	-331.1	0.00	331.07	4,483.15	1,059.01	4,157.01	3,999.83	4.61	-0.53	0.090
90.00	-31.58	-5.25	0.00	-304.3	0.00	304.33	4,365.24	1,031.16	3,941.25	3,791.17	5.18	-0.56	0.088
94.97	-30.44	-5.19	0.00	-278.2	0.00	278.25	4,247.97	1,003.46	3,732.38	3,589.20	5.78	-0.59	0.085
95.00	-30.43	-5.14	0.00	-278.1	0.00	278.11	4,247.32	1,003.30	3,731.23	3,588.09	5.78	-0.59	0.085
100.00	-28.47	-5.07	0.00	-252.4	0.00	252.40	4,129.40	975.45	3,526.96	3,390.61	6.41	-0.62	0.081
100.47	-28.29	-5.02	0.00	-250.0	0.00	250.01	3,522.83	850.82	3,130.30	2,948.50	6.48	-0.62	0.093
105.00	-27.41	-4.93	0.00	-227.3	0.00	227.27	3,457.66	829.20	2,973.26	2,819.74	7.08	-0.65	0.089
110.00	-26.46	-4.82	0.00	-202.6	0.00	202.64	3,384.20	805.32	2,804.53	2,679.63	7.78	-0.68	0.083
115.00	-25.54	-4.72	0.00	-178.5	0.00	178.52	3,308.12	781.45	2,640.73	2,540.99	8.51	-0.71	0.078
120.00	-24.64	-4.62	0.00	-154.9	0.00	154.90	3,207.05	757.57	2,481.85	2,387.35	9.27	-0.74	0.073
125.00	-23.76	-4.52	0.00	-131.8	0.00	131.78	3,105.98	733.70	2,327.91	2,238.49	10.07	-0.77	0.067
130.00	-18.25	-3.55	0.00	-109.1	0.00	109.13	3,004.91	709.82	2,178.89	2,094.44	10.89	-0.8	0.058
135.00	-17.44	-3.45	0.00	-91.4	0.00	91.38	2,903.84	685.95	2,034.81	1,955.17	11.74	-0.82	0.053
140.00	-16.66	-3.35	0.00	-74.1	0.00	74.12	2,802.76	662.07	1,895.65	1,820.69	12.61	-0.84	0.047
145.00	-15.90	-3.27	0.00	-57.4	0.00	57.36	2,701.69	638.20	1,761.42	1,691.01	13.51	-0.86	0.040
148.71	-15.35	-3.22	0.00	-45.2	0.00	45.24	2,626.73	620.49	1,665.04	1,597.92	14.19	-0.88	0.034
148.71	-15.35	-3.22	0.00	-45.2	0.00	45.24	1,686.34	420.37	1,146.21	1,046.99	14.19	-0.88	0.052
150.00	-15.22	-3.18	0.00	-41.1	0.00	41.08	1,675.25	416.33	1,124.26	1,030.02	14.42	-0.88	0.049
153.00	-10.00	-2.04	0.00	-31.5	0.00	31.54	1,649.13	406.93	1,074.10	990.88	14.98	-0.89	0.038
155.00	-9.56	-1.95	0.00	-27.5	0.00	27.46	1,631.41	400.67	1,041.29	965.02	15.36	-0.9	0.034
155.70	-9.30	-1.85	0.00	-26.1	0.00	26.09	1,625.15	398.48	1,029.93	956.01	15.49	-0.9	0.033
160.00	-4.70	-0.97	0.00	-18.1	0.00	18.11	1,586.07	385.01	961.50	901.22	16.31	-0.91	0.023
165.00	-4.31	-0.88	0.00	-13.3	0.00	13.26	1,539.23	369.35	884.89	838.71	17.27	-0.92	0.019
170.00	-3.94	-0.80	0.00	-8.8	0.00	8.84	1,490.89	353.69	811.46	777.61	18.24	-0.93	0.014
175.00	-3.59	-0.72	0.00	-4.8	0.00	4.83	1,431.01	338.03	741.20	713.01	19.22	-0.94	0.009
179.60	-3.28	-0.67	0.00	-1.5	0.00	1.50	1,370.02	323.63	679.38	653.23	20.12	-0.94	0.005
180.00	0.00	-0.62	0.00	-1.2	0.00	1.24	1,364.72	322.37	674.13	648.16	20.2	-0.94	0.002

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EQUIVALENT LATERAL FORCES METHOD ANALYSIS

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

Spectral Response Acceleration for Short Period (S_S):	0.191
Spectral Response Acceleration at 1.0 Second Period (S_1):	0.052
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}):	0.204
Design Spectral Response Acceleration at 1.0 Second Period (S_{d1}):	0.083
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):	2.820
Redundancy Factor (p):	1.000
Seismic Force Distribution Exponent (k):	2.000
Total Unfactored Dead Load:	58.220 k
Seismic Base Shear (E):	1.750 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)
44	179.8	26	831	0.001	2	32
43	177.3	303	9,513	0.013	23	375
42	172.5	354	10,545	0.015	26	440
41	167.5	372	10,445	0.015	26	462
40	162.5	387	10,231	0.014	25	481
39	157.85	399	9,938	0.014	24	495
38	155.35	66	1,593	0.002	4	82
37	154	190	4,510	0.006	11	236
36	151.5	317	7,270	0.010	18	393
35	149.3542	138	3,080	0.004	8	171
34	146.8542	548	11,820	0.017	29	680
33	142.5	759	15,415	0.022	38	942
32	137.5	782	14,790	0.021	36	971
31	132.5	805	14,140	0.020	35	999
30	127.5	855	13,892	0.020	34	1,060
29	122.5	878	13,171	0.018	32	1,089
28	117.5	901	12,437	0.018	31	1,118
27	112.5	924	11,694	0.016	29	1,146
26	107.5	947	10,945	0.015	27	1,175
25	102.7361	878	9,263	0.013	23	1,089
24	100.2361	182	1,827	0.003	4	226
23	97.5	1,953	18,562	0.026	46	2,423
22	94.9861	11	99	0.000	0	14
21	92.4861	1,135	9,706	0.014	24	1,408
20	87.5	1,168	8,943	0.013	22	1,449
19	82.5	1,195	8,134	0.012	20	1,483
18	77.5	1,222	7,340	0.010	18	1,516
17	72.5	1,249	6,565	0.009	16	1,550
16	67.5	1,276	5,814	0.008	14	1,583
15	62.5	1,303	5,090	0.007	13	1,617
14	57.5	1,330	4,397	0.006	11	1,650
13	54.3264	363	1,071	0.002	3	450
12	51.8264	1,860	4,996	0.007	12	2,308
11	48.4097	1,643	3,850	0.005	9	2,038
10	45.9097	499	1,052	0.002	3	619
9	42.5	1,390	2,511	0.004	6	1,725
8	37.5	1,417	1,993	0.003	5	1,759
7	32.5	1,444	1,526	0.002	4	1,792

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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)
6	27.5	1,471	1,113	0.002	3	1,826
5	22.5	1,498	759	0.001	2	1,859
4	17.5	1,525	467	0.001	1	1,893
3	12.5	1,552	243	0.000	1	1,926
2	7.5	1,579	89	0.000	0	1,960
1	2.5	1,606	10	0.000	0	1,993
Generic 15' Omni	180	80	2,592	0.004	6	99
Samsung SFG-ARR3KM01DI	180	184	5,958	0.008	15	228
Samsung SFG-ARR3J601DI	180	284	9,195	0.013	23	352
JMA Wireless MX08FRO665-21	180	194	6,269	0.009	15	240
Raycap RDIDC-9181-PF-48	180	22	710	0.001	2	27
Generic Round Platform with Handrails	180	2,500	81,000	0.114	199	3,102
Generic Round Platform with Handrails	160	2,500	64,000	0.090	157	3,102
Generic Round Platform with Handrails	130	2,500	42,250	0.060	104	3,102
Generic TTA	179.6	10	323	0.000	1	12
Commscope CBC78T-DS-43-2X	160	62	1,590	0.002	4	77
Samsung B2/B66A RRH ORAN (RF 4439d-25A)	160	224	5,737	0.008	14	278
Samsung RF4461d-13A	160	237	6,075	0.009	15	294
Raycap RRFDC-3315-PF-48	160	54	1,377	0.002	3	67
Samsung MT6413-77A	160	172	4,401	0.006	11	213
Generic Mount Reinforcement	160	600	15,360	0.022	38	744
Generic Mount Reinforcement	153	600	14,045	0.020	35	744
Generic Mount Reinforcement	130	600	10,140	0.014	25	744
Commscope JAHH-65B-R3B	160	364	9,308	0.013	23	451
Ericsson AIR 6419 B77G	155.7	198	4,807	0.007	12	246
Ericsson AIR 6449 B77D/ C-Band	155	245	5,881	0.008	14	304
Andrew APTDC-BDFDM-DBW	153	8	183	0.000	0	10
Powerwave Allgon 7020.00 Dual Band RET	153	13	309	0.000	1	16
Raycap DC9-48-60-24-8C-EV	153	16	375	0.000	1	20
Raycap DC6-48-60-18-8F	153	20	468	0.001	1	25
Raycap DC6-48-60-18-8F ("Squid")	153	19	442	0.001	1	23
Ericsson RRUS 4478 B14 (15")	153	178	4,171	0.006	10	221
Ericsson RRUS 4449 B5, B12	153	213	4,986	0.007	12	264
Ericsson RRUS 32 B30 (60 lbs)	153	180	4,214	0.006	10	223
Ericsson RRUS 32 B66A	153	152	3,561	0.005	9	189
Ericsson RRUS 32 B2	153	159	3,722	0.005	9	197
Ericsson RRUS E2 B29	153	180	4,214	0.006	10	223
Quintel QD6616-7	153	390	9,130	0.013	22	484
Kathrein Scala 80010965	153	293	6,854	0.010	17	363
Flat Platform w/ Round Handrails	153	2,500	58,522	0.082	144	3,102
Ericsson RRUS 4415 B66	130	138	2,332	0.003	6	171
Ericsson Radio 4449 B71 B85A	130	225	3,802	0.005	9	279
Ericsson Radio 2212 B13	130	128	2,170	0.003	5	159
Ericsson 4424 B25	130	258	4,360	0.006	11	320
Ericsson Air6449 B41	130	312	5,273	0.007	13	387
RFS APX16DWV-16DWVS-E-A20	130	122	2,063	0.003	5	151
RFS APXVAARR24_43-U-NA20	130	384	6,485	0.009	16	476
	Totals:	**58,220**	**710,334**	**1.000**	**1,747**	**72,236**

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)
44	179.8	26	831	0.001	2	22
43	177.3	303	9,513	0.013	23	260
42	172.5	354	10,545	0.015	26	304
41	167.5	372	10,445	0.015	26	320
40	162.5	387	10,231	0.014	25	333
39	157.85	399	9,938	0.014	24	343
38	155.35	66	1,593	0.002	4	57
37	154	190	4,510	0.006	11	163

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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)
36	151.5	317	7,270	0.010	18	272
35	149.3542	138	3,080	0.004	8	119
34	146.8542	548	11,820	0.017	29	471
33	142.5	759	15,415	0.022	38	652
32	137.5	782	14,790	0.021	36	672
31	132.5	805	14,140	0.020	35	692
30	127.5	855	13,892	0.020	34	734
29	122.5	878	13,171	0.018	32	754
28	117.5	901	12,437	0.018	31	774
27	112.5	924	11,694	0.016	29	794
26	107.5	947	10,945	0.015	27	814
25	102.7361	878	9,263	0.013	23	754
24	100.2361	182	1,827	0.003	4	156
23	97.5	1,953	18,562	0.026	46	1,678
22	94.9861	11	99	0.000	0	9
21	92.4861	1,135	9,706	0.014	24	975
20	87.5	1,168	8,943	0.013	22	1,004
19	82.5	1,195	8,134	0.012	20	1,027
18	77.5	1,222	7,340	0.010	18	1,050
17	72.5	1,249	6,565	0.009	16	1,073
16	67.5	1,276	5,814	0.008	14	1,096
15	62.5	1,303	5,090	0.007	13	1,120
14	57.5	1,330	4,397	0.006	11	1,143
13	54.3264	363	1,071	0.002	3	312
12	51.8264	1,860	4,996	0.007	12	1,598
11	48.4097	1,643	3,850	0.005	9	1,412
10	45.9097	499	1,052	0.002	3	429
9	42.5	1,390	2,511	0.004	6	1,195
8	37.5	1,417	1,993	0.003	5	1,218
7	32.5	1,444	1,526	0.002	4	1,241
6	27.5	1,471	1,113	0.002	3	1,264
5	22.5	1,498	759	0.001	2	1,287
4	17.5	1,525	467	0.001	1	1,311
3	12.5	1,552	243	0.000	1	1,334
2	7.5	1,579	89	0.000	0	1,357
1	2.5	1,606	10	0.000	0	1,380
Generic 15' Omni	180	80	2,592	0.004	6	69
Samsung SFG-ARR3KM01DI	180	184	5,958	0.008	15	158
Samsung SFG-ARR3J601DI	180	284	9,195	0.013	23	244
JMA Wireless MX08FRO665-21	180	194	6,269	0.009	15	166
Raycap RDIDC-9181-PF-48	180	22	710	0.001	2	19
Generic Round Platform with Handrails	180	2,500	81,000	0.114	199	2,148
Generic Round Platform with Handrails	160	2,500	64,000	0.090	157	2,148
Generic Round Platform with Handrails	130	2,500	42,250	0.060	104	2,148
Generic TTA	179.6	10	323	0.000	1	9
Commscope CBC78T-DS-43-2X	160	62	1,590	0.002	4	53
Samsung B2/B66A RRH ORAN (RF 4439d-25A)	160	224	5,737	0.008	14	193
Samsung RF4461d-13A	160	237	6,075	0.009	15	204
Raycap RRFDC-3315-PF-48	160	54	1,377	0.002	3	46
Samsung MT6413-77A	160	172	4,401	0.006	11	148
Generic Mount Reinforcement	160	600	15,360	0.022	38	516
Generic Mount Reinforcement	153	600	14,045	0.020	35	516
Generic Mount Reinforcement	130	600	10,140	0.014	25	516
Commscope JAHH-65B-R3B	160	364	9,308	0.013	23	312
Ericsson AIR 6419 B77G	155.7	198	4,807	0.007	12	170
Ericsson AIR 6449 B77D/ C-Band	155	245	5,881	0.008	14	210
Andrew APTDC-BDFDM-DBW	153	8	183	0.000	0	7
Powerwave Allgon 7020.00 Dual Band RET	153	13	309	0.000	1	11
Raycap DC9-48-60-24-8C-EV	153	16	375	0.000	1	14
Raycap DC6-48-60-18-8F	153	20	468	0.001	1	17
Raycap DC6-48-60-18-8F ("Squid")	153	19	442	0.001	1	16

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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)
Ericsson RRUS 4478 B14 (15")	153	178	4,171	0.006	10	153
Ericsson RRUS 4449 B5, B12	153	213	4,986	0.007	12	183
Ericsson RRUS 32 B30 (60 lbs)	153	180	4,214	0.006	10	155
Ericsson RRUS 32 B66A	153	152	3,561	0.005	9	131
Ericsson RRUS 32 B2	153	159	3,722	0.005	9	137
Ericsson RRUS E2 B29	153	180	4,214	0.006	10	155
Quintel QD6616-7	153	390	9,130	0.013	22	335
Kathrein Scala 80010965	153	293	6,854	0.010	17	252
Flat Platform w/ Round Handrails	153	2,500	58,522	0.082	144	2,148
Ericsson RRUS 4415 B66	130	138	2,332	0.003	6	119
Ericsson Radio 4449 B71 B85A	130	225	3,802	0.005	9	193
Ericsson Radio 2212 B13	130	128	2,170	0.003	5	110
Ericsson 4424 B25	130	258	4,360	0.006	11	222
Ericsson Air6449 B41	130	312	5,273	0.007	13	268
RFS APX16DWV-16DWVS-E-A20	130	122	2,063	0.003	5	105
RFS APXVAARR24_43-U-NA20	130	384	6,485	0.009	16	330
	Totals:	**58,220**	**710,334**	**1.000**	**1,747**	**50,026**

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	-70.24	-1.75	0.00	-259.50	0.00	259.50	5,724.86	1,511.21	8,464	7,310.45	0.00	0.00	0.05
5.00	-68.28	-1.76	0.00	-250.75	0.00	250.75	5,660.55	1,483.36	8,155	7,094.17	0.00	-0.01	0.05
10.00	-66.36	-1.77	0.00	-241.95	0.00	241.95	5,594.70	1,455.50	7,852	6,879.04	0.02	-0.02	0.05
15.00	-64.46	-1.78	0.00	-233.10	0.00	233.10	5,527.30	1,427.65	7,554	6,665.16	0.04	-0.03	0.05
20.00	-62.60	-1.79	0.00	-224.20	0.00	224.20	5,458.35	1,399.80	7,262	6,452.65	0.07	-0.04	0.05
25.00	-60.78	-1.79	0.00	-215.27	0.00	215.27	5,387.86	1,371.94	6,976	6,241.61	0.12	-0.05	0.05
30.00	-58.99	-1.80	0.00	-206.32	0.00	206.32	5,315.82	1,344.09	6,696	6,032.16	0.17	-0.05	0.05
35.00	-57.23	-1.80	0.00	-197.33	0.00	197.33	5,242.22	1,316.23	6,421	5,824.40	0.23	-0.06	0.05
40.00	-55.50	-1.80	0.00	-188.34	0.00	188.34	5,167.09	1,288.38	6,152	5,618.45	0.30	-0.07	0.04
45.00	-54.88	-1.80	0.00	-179.33	0.00	179.33	5,090.40	1,260.52	5,889	5,414.42	0.39	-0.08	0.04
46.82	-52.84	-1.80	0.00	-176.05	0.00	176.05	5,062.11	1,250.39	5,795	5,340.67	0.42	-0.09	0.04
50.00	-50.54	-1.79	0.00	-170.33	0.00	170.33	5,012.16	1,232.67	5,632	5,212.41	0.48	-0.09	0.04
53.65	-50.09	-1.79	0.00	-163.81	0.00	163.81	5,014.93	1,233.64	5,641	5,219.44	0.56	-0.10	0.04
55.00	-48.43	-1.78	0.00	-161.40	0.00	161.40	4,993.60	1,226.14	5,572	5,165.35	0.59	-0.11	0.04
60.00	-46.82	-1.77	0.00	-152.50	0.00	152.50	4,913.45	1,198.28	5,322	4,966.00	0.70	-0.12	0.04
65.00	-45.23	-1.76	0.00	-143.64	0.00	143.64	4,831.76	1,170.43	5,078	4,768.91	0.83	-0.13	0.04
70.00	-43.68	-1.75	0.00	-134.83	0.00	134.83	4,748.52	1,142.58	4,839	4,574.21	0.97	-0.14	0.04
75.00	-42.17	-1.74	0.00	-126.07	0.00	126.07	4,663.73	1,114.72	4,606	4,382.00	1.11	-0.15	0.04
80.00	-40.68	-1.72	0.00	-117.39	0.00	117.39	4,577.39	1,086.87	4,379	4,192.39	1.27	-0.16	0.04
85.00	-39.24	-1.70	0.00	-108.79	0.00	108.79	4,483.15	1,059.01	4,157	3,999.83	1.44	-0.17	0.04
90.00	-37.83	-1.68	0.00	-100.28	0.00	100.28	4,365.24	1,031.16	3,941	3,791.17	1.62	-0.18	0.04
94.97	-37.81	-1.68	0.00	-91.93	0.00	91.93	4,247.97	1,003.46	3,732	3,589.20	1.81	-0.19	0.04
95.00	-35.39	-1.63	0.00	-91.89	0.00	91.89	4,247.32	1,003.30	3,731	3,588.09	1.81	-0.19	0.03
100.00	-35.17	-1.63	0.00	-83.72	0.00	83.72	4,129.40	975.45	3,527	3,390.61	2.01	-0.20	0.03
100.47	-34.08	-1.61	0.00	-82.95	0.00	82.95	3,522.83	850.82	3,130	2,948.50	2.03	-0.20	0.04
105.00	-32.90	-1.58	0.00	-75.68	0.00	75.68	3,457.66	829.20	2,973	2,819.74	2.23	-0.21	0.04
110.00	-31.75	-1.55	0.00	-67.77	0.00	67.77	3,384.20	805.32	2,805	2,679.63	2.45	-0.22	0.04
115.00	-30.64	-1.53	0.00	-59.99	0.00	59.99	3,308.12	781.45	2,641	2,540.99	2.69	-0.23	0.03
120.00	-29.55	-1.49	0.00	-52.37	0.00	52.37	3,207.05	757.57	2,482	2,387.35	2.93	-0.24	0.03
125.00	-28.49	-1.46	0.00	-44.90	0.00	44.90	3,105.98	733.70	2,328	2,238.49	3.19	-0.25	0.03
130.00	-21.70	-1.20	0.00	-37.60	0.00	37.60	3,004.91	709.82	2,179	2,094.44	3.45	-0.26	0.03
135.00	-20.73	-1.17	0.00	-31.58	0.00	31.58	2,903.84	685.95	2,035	1,955.17	3.73	-0.27	0.02
140.00	-19.79	-1.13	0.00	-25.74	0.00	25.74	2,802.76	662.07	1,896	1,820.69	4.01	-0.27	0.02
145.00	-19.11	-1.10	0.00	-20.11	0.00	20.11	2,701.69	638.20	1,761	1,691.01	4.30	-0.28	0.02
148.71	-18.93	-1.09	0.00	-16.04	0.00	16.04	2,626.73	620.49	1,665	1,597.92	4.52	-0.29	0.02
148.71	-18.93	-1.09	0.00	-16.04	0.00	16.04	1,686.34	420.37	1,146	1,046.99	4.52	-0.29	0.03
150.00	-18.54	-1.07	0.00	-14.64	0.00	14.64	1,675.25	416.33	1,124	1,030.02	4.60	-0.29	0.03

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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
153.00	-12.20	-0.74	0.00	-11.43	0.00	11.43	1,649.13	406.93	1,074	990.88	4.78	-0.29	0.02
155.00	-11.82	-0.72	0.00	-9.94	0.00	9.94	1,631.41	400.67	1,041	965.02	4.90	-0.29	0.02
155.70	-11.07	-0.68	0.00	-9.43	0.00	9.43	1,625.15	398.48	1,030	956.01	4.94	-0.29	0.02
160.00	-5.37	-0.37	0.00	-6.49	0.00	6.49	1,586.07	385.01	962	901.22	5.21	-0.30	0.01
165.00	-4.91	-0.34	0.00	-4.66	0.00	4.66	1,539.23	369.35	885	838.71	5.52	-0.30	0.01
170.00	-4.47	-0.31	0.00	-2.97	0.00	2.97	1,490.89	353.69	811	777.61	5.84	-0.30	0.01
175.00	-4.09	-0.28	0.00	-1.42	0.00	1.42	1,431.01	338.03	741	713.01	6.16	-0.31	0.01
179.60	-4.05	-0.28	0.00	-0.11	0.00	0.11	1,370.02	323.63	679	653.23	6.46	-0.31	0.00
180.00	0.00	-0.26	0.00	0.00	0.00	0.00	1,364.72	322.37	674	648.16	6.48	-0.31	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	-48.65	-1.75	0.00	-254.82	0.00	254.82	5,724.86	1,511.21	8,464	7,310.45	0.00	0.00	0.04
5.00	-47.29	-1.76	0.00	-246.07	0.00	246.07	5,660.55	1,483.36	8,155	7,094.17	0.00	-0.01	0.04
10.00	-45.95	-1.76	0.00	-237.29	0.00	237.29	5,594.70	1,455.50	7,852	6,879.04	0.02	-0.02	0.04
15.00	-44.64	-1.77	0.00	-228.48	0.00	228.48	5,527.30	1,427.65	7,554	6,665.16	0.04	-0.03	0.04
20.00	-43.36	-1.77	0.00	-219.64	0.00	219.64	5,458.35	1,399.80	7,262	6,452.65	0.07	-0.04	0.04
25.00	-42.09	-1.77	0.00	-210.78	0.00	210.78	5,387.86	1,371.94	6,976	6,241.61	0.11	-0.04	0.04
30.00	-40.85	-1.78	0.00	-201.91	0.00	201.91	5,315.82	1,344.09	6,696	6,032.16	0.17	-0.05	0.04
35.00	-39.63	-1.78	0.00	-193.02	0.00	193.02	5,242.22	1,316.23	6,421	5,824.40	0.23	-0.06	0.04
40.00	-38.44	-1.78	0.00	-184.14	0.00	184.14	5,167.09	1,288.38	6,152	5,618.45	0.30	-0.07	0.04
45.00	-38.01	-1.78	0.00	-175.26	0.00	175.26	5,090.40	1,260.52	5,889	5,414.42	0.38	-0.08	0.04
46.82	-36.59	-1.77	0.00	-172.02	0.00	172.02	5,062.11	1,250.39	5,795	5,340.67	0.41	-0.09	0.04
50.00	-35.00	-1.76	0.00	-166.39	0.00	166.39	5,012.16	1,232.67	5,632	5,212.41	0.47	-0.09	0.04
53.65	-34.68	-1.76	0.00	-159.97	0.00	159.97	5,014.93	1,233.64	5,641	5,219.44	0.55	-0.10	0.04
55.00	-33.54	-1.75	0.00	-157.60	0.00	157.60	4,993.60	1,226.14	5,572	5,165.35	0.58	-0.10	0.04
60.00	-32.42	-1.74	0.00	-148.85	0.00	148.85	4,913.45	1,198.28	5,322	4,966.00	0.69	-0.11	0.04
65.00	-31.32	-1.73	0.00	-140.15	0.00	140.15	4,831.76	1,170.43	5,078	4,768.91	0.81	-0.12	0.04
70.00	-30.25	-1.72	0.00	-131.50	0.00	131.50	4,748.52	1,142.58	4,839	4,574.21	0.95	-0.13	0.04
75.00	-29.20	-1.70	0.00	-122.92	0.00	122.92	4,663.73	1,114.72	4,606	4,382.00	1.09	-0.14	0.03
80.00	-28.17	-1.68	0.00	-114.42	0.00	114.42	4,577.39	1,086.87	4,379	4,192.39	1.25	-0.15	0.03
85.00	-27.17	-1.66	0.00	-106.00	0.00	106.00	4,483.15	1,059.01	4,157	3,999.83	1.41	-0.16	0.03
90.00	-26.20	-1.64	0.00	-97.69	0.00	97.69	4,365.24	1,031.16	3,941	3,791.17	1.59	-0.17	0.03
94.97	-26.19	-1.64	0.00	-89.53	0.00	89.53	4,247.97	1,003.46	3,732	3,589.20	1.77	-0.18	0.03
95.00	-24.51	-1.59	0.00	-89.48	0.00	89.48	4,247.32	1,003.30	3,731	3,588.09	1.77	-0.18	0.03
100.00	-24.35	-1.59	0.00	-81.51	0.00	81.51	4,129.40	975.45	3,527	3,390.61	1.97	-0.19	0.03
100.47	-23.60	-1.57	0.00	-80.76	0.00	80.76	3,522.83	850.82	3,130	2,948.50	1.99	-0.19	0.03
105.00	-22.78	-1.54	0.00	-73.66	0.00	73.66	3,457.66	829.20	2,973	2,819.74	2.18	-0.20	0.03
110.00	-21.99	-1.51	0.00	-65.95	0.00	65.95	3,384.20	805.32	2,805	2,679.63	2.40	-0.21	0.03
115.00	-21.21	-1.49	0.00	-58.37	0.00	58.37	3,308.12	781.45	2,641	2,540.99	2.63	-0.22	0.03
120.00	-20.46	-1.45	0.00	-50.95	0.00	50.95	3,207.05	757.57	2,482	2,387.35	2.87	-0.23	0.03
125.00	-19.73	-1.42	0.00	-43.68	0.00	43.68	3,105.98	733.70	2,328	2,238.49	3.12	-0.24	0.03
130.00	-15.02	-1.17	0.00	-36.59	0.00	36.59	3,004.91	709.82	2,179	2,094.44	3.37	-0.25	0.02
135.00	-14.35	-1.13	0.00	-30.72	0.00	30.72	2,903.84	685.95	2,035	1,955.17	3.64	-0.26	0.02
140.00	-13.70	-1.10	0.00	-25.05	0.00	25.05	2,802.76	662.07	1,896	1,820.69	3.92	-0.27	0.02
145.00	-13.23	-1.07	0.00	-19.57	0.00	19.57	2,701.69	638.20	1,761	1,691.01	4.20	-0.27	0.02
148.71	-13.11	-1.06	0.00	-15.62	0.00	15.62	2,626.73	620.49	1,665	1,597.92	4.42	-0.28	0.02
148.71	-13.11	-1.06	0.00	-15.62	0.00	15.62	1,686.34	420.37	1,146	1,046.99	4.42	-0.28	0.02
150.00	-12.84	-1.04	0.00	-14.25	0.00	14.25	1,675.25	416.33	1,124	1,030.02	4.49	-0.28	0.02
153.00	-8.45	-0.72	0.00	-11.13	0.00	11.13	1,649.13	406.93	1,074	990.88	4.67	-0.28	0.02
155.00	-8.18	-0.70	0.00	-9.69	0.00	9.69	1,631.41	400.67	1,041	965.02	4.79	-0.29	0.02
155.70	-7.67	-0.67	0.00	-9.19	0.00	9.19	1,625.15	398.48	1,030	956.01	4.83	-0.29	0.01
160.00	-3.72	-0.36	0.00	-6.33	0.00	6.33	1,586.07	385.01	962	901.22	5.09	-0.29	0.01
165.00	-3.40	-0.33	0.00	-4.54	0.00	4.54	1,539.23	369.35	885	838.71	5.40	-0.29	0.01
170.00	-3.09	-0.30	0.00	-2.90	0.00	2.90	1,490.89	353.69	811	777.61	5.71	-0.30	0.01
175.00	-2.83	-0.28	0.00	-1.39	0.00	1.39	1,431.01	338.03	741	713.01	6.02	-0.30	0.00
179.60	-2.80	-0.27	0.00	-0.11	0.00	0.11	1,370.02	323.63	679	653.23	6.31	-0.30	0.00

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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
180.00	0.00	-0.26	0.00	0.00	0.00	0.00	1,364.72	322.37	674	648.16	6.33	-0.30	0.00

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ANALYSIS SUMMARY

Load Case	Base Reactions Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)	Max Usage Elev (ft)	Interaction Ratio
1.2D + 1.0W	34.67	0.00	69.82	0.00	0.00	4341.32	0.00	0.61
0.9D + 1.0W	34.65	0.00	52.35	0.00	0.00	4279.97	0.00	0.6
1.2D + 1.0Di + 1.0Wi	8.39	0.00	89.83	0.00	0.00	1045.24	0.00	0.16
1.2D + 1.0Ev + 1.0Eh	1.80	0.00	70.24	0.00	0.00	259.50	0.00	0.05
0.9D - 1.0Ev + 1.0Eh	1.78	0.00	48.65	0.00	0.00	254.82	0.00	0.04
1.0D + 1.0W	6.92	0.00	58.22	0.00	0.00	859.44	0.00	0.13

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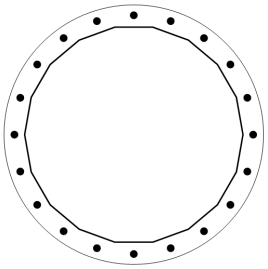
BASE PLATE ANALYSIS @ 0 FT

APPLIED REACTIONS

Moment (k-ft)	Axial (k)	Shear (k)
4341.32	69.82	34.67

PLATE PARAMETERS (ID# 16631)

Width:	75	in
Shape:	Round	
Thickness:	2.75	in
Grade:	A633 Gr. E	
Yield Strength:	60	ksi
Tensile Strength:	80	ksi
Rod Detail Type:	d	
Clear Distance	3.5	in
Base Weld Size:	0.125	in
Orientation Offset:	-	°
Analysis Type:	Plastic	
Neutral Axis:	36	°



ANCHOR ROD PARAMETERS

Class	Arrangement	Quantity	Diameter (in)	Circle (in)	Grade	F_y (ksi)	F_u (ksi)	Spacing (in)	Offset (°)
Original [ID#17020]	Radial	20	2.25	69	A615-75	75	100	-	-

COMPONENT PROPERTIES

Component	ID	Gross Area (in^2)	Net Area (in^2)	Individual Inertia (in^4)	Moment of Inertia (in^4)	Threads/in
Pole	62.45"ø x 0.4375" (18 Sides)	84.8008	-	-	40768.65	-
Bolt Group	Original (20) 2.25"ø	3.9761	3.2477	0.8393	35787.17	4.5

REACTION DISTRIBUTION

Component	ID	Moment M_u (k-ft)	Axial Load P_u (k)	Shear V_u (k)	Moment Factor
Pole	62.45"ø x 0.4375" (18 Sides)	4341.3	69.82	34.67	1.000
Bolt Group	Original (20) 2.25"ø	4341.3	-	34.67	1.000

BASE PLATE BEND LINE ANALYSIS @ 0 FT

POLE PROPERTIES

Flat-to-Flat Diameter:	62.58	in	Flat Width:	11.034	in	Neutral Axis:	36	°
Point-to-Point Diameter:	63.54	in	Flat Radians:	0.349	rad	Bend Line Limits:	1.676 to 2.722	rad
Orientation Offset:	-	°						

PLATE PROPERTIES

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 $M_u/\Phi M_n$
Flats	36.396	0.00	68.812	388.9	3715.8	10.5%
Corners	34.683	0.00	65.573	227.3	3541.0	6.4%
Circumferential	47.124	0.00	89.093	660.2	4811.0	13.7%

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	20	2.25	131.3	2.7	243.6	56.2%

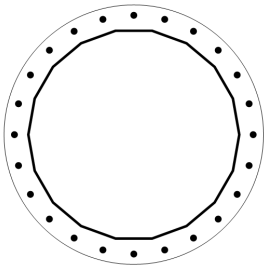
LOWER FLANGE PLATE ANALYSIS @ 148.7084 FT

APPLIED REACTIONS

Moment (k-ft)	Axial (k)	Shear (k)
229.58	17.27	16.32

PLATE PARAMETERS (ID# 16630)

Width:	37.5	in
Shape:	Round	
Thickness:	2	in
Grade:	A572-50	
Yield Strength:	50	ksi
Tensile Strength:	65	ksi
Base Weld Size:	0.313	in
Orientation Offset:	-	°
Analysis Type:	Plastic	
Neutral Axis:	23	°



FLANGE BOLT PARAMETERS

Class	Arrangement	Quantity	Diameter (in)	Circle (in)	Grade	F_y (ksi)	F_u (ksi)	Spacing (in)	Offset (°)
Original [ID#17021]	Radial	24	1	34.5	A325	92	120	-	-

COMPONENT PROPERTIES

Component	ID	Gross Area (in^2)	Net Area (in^2)	Individual Inertia (in^4)	Moment of Inertia (in^4)	Threads/in
Pole	30.0803"ø x 0.375" (18 Sides)	34.8183	-	-	3842.13	-
Bolt Group	Original (24) 1"ø	0.7854	0.6057	0.0292	2009.77	8.0

REACTION DISTRIBUTION

Component	ID	Moment M_u (k-ft)	Axial Load P_u (k)	Shear V_u (k)	Moment Factor
Pole	30.0803"ø x 0.375" (18 Sides)	229.6	17.27	16.32	1.000
Bolt Group	Original (24) 1"ø	229.6	-	16.32	1.000

LOWER FLANGE PLATE BEND LINE ANALYSIS @ 148.7084 FT

POLE PROPERTIES

Flat-to-Flat Diameter:	30.39	in	Flat Width:	5.359	in	Neutral Axis:	23	°
Point-to-Point Diameter:	30.86	in	Flat Radians:	0.349	rad	Bend Line Limits:	1.457 to 2.470	rad
Orientation Offset:	-	°						

PLATE PROPERTIES

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 $M_u/\Phi M_n$
Flats	19.433	0.00	19.433	41.4	874.5	4.7%
Corners	18.680	0.00	18.680	30.3	840.6	3.6%
Circumferential	24.030	0.00	24.030	66.6	1081.4	6.2%

PLASTIC FLANGE BOLT ANALYSIS

Class	Group Quantity	Bolt Diameter (in)	Applied Axial Load P_u (k)	Applied Shear Load V_u (k)	Compressive Capacity ΦP_n (k)	Interaction Result
Original	24	1	12.3	1.1	54.5	25.2%

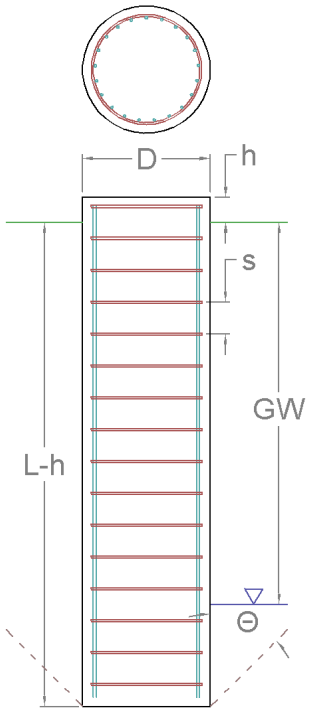
PIER FOUNDATION ANALYSIS

GLOBAL REACTIONS

Moment (k-ft)	Axial (k)	Shear (k)
4,341.32	69.82	34.67

FOUNDATION PARAMETERS

Pier Diameter:	D	8.00	ft
Pier Embedment Depth:	L-h	25.4	ft
Pier Height above Grade:	h	0.50	ft
Concrete Compressive Strength:		4,000	psi
Vertical Rebar:		(40) #10 bars [60 ksi]	
Tie Rebar:	s	#5 bars @ 6.0" c/c [40 ksi]	
Rebar Clear Cover:		3.00	in



SOIL PARAMETERS

Water Table Depth [BGL]: GW - ft

Layer Depth (ft) Top	Layer Depth (ft) Bottom	Unit Weight (pcf)	Cohesion (psf)	Friction Angle (°)	Ultimate Skin Friction (psf)	Ultimate Net Bearing (psf)
0	0.5	105	0	0	0	0
0.5	4	110	0	33	0	0
4	20	110	0	33	1,000	0
20	26.42	110	0	33	1,400	8,187

SOIL STRENGTH ANALYSIS

Volume of Concrete (ft^3)	Buoyant Weight of Concrete (k)	Skin Friction Resistance (k)	Inflection Point [BGL] (ft)
1,302.88	195.43	592.83	17.69

SOIL MOMENT ANALYSIS

Total Lateral Resistance (k)	Moment at Inflection Point, M_u (k-ft)	Additional Resistance (k-ft)	Nominal Moment Capacity, ΦM_n (k-ft)	Soil Moment Usage, $M_u / \Phi M_n$
2,376.88	4,972.10	0.00	8,669.46	**57.4%**

SOIL COMPRESSION ANALYSIS

Compressive Bearing Resistance (k)	Compressive Force, P_u (k)	Additional Resistance (k)	Nominal Compressive Capacity, ΦP_n (k)	Soil Compressive Usage, $P_u / \Phi P_n$
411.52	131.30	0.00	753.27	**17.4%**

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
87.48	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, $M_u/\Phi_b M_n$
4,364.96	9,780.65	0.01	**44.6%**

PIER REINFORCING COMPRESSION ANALYSIS

Buoyant Weight of Concrete (k)	Design Compression, P_u (k)	Nominal Compressive Capacity, $\Phi_p P_n$ (k)	Pier Rebar Compressive Usage, $P_u / \Phi_p P_n$
195.43	131.30	14,292.34	**0.9%**

PIER REINFORCING SHEAR ANALYSIS

Design Shear, V_u (k)	Nominal Shear Capacity, $\Phi_v V_n$ (k)	Pier Rebar Shear Usage, $V_u / \Phi_v V_n$
430.96	928.07	**46.4%**

EXHIBIT 4

Colliers Engineering & Design, Architecture,
Landscape Architecture, Surveying, CT P.C
1055 Washington Boulevard
Stamford, CT 06901
203.324.0800
peter.albano@collierseng.com

Post-Modification Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10213277
Colliers Engineering & Design Project #: 21777880A (Rev. 1)

November 6, 2023

Site Information	*Site ID:*	*5000094194-VZW / NE WATERFORD SE CT*
	Site Name:	*NE WATERFORD SE CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*15 Miner Lane* *Waterford, Connecticut 06385* *New London County*
	Latitude:	*41.329167°*
	Longitude:	*-72.124444°*
Structure Information	*Tower Type:*	*Monopole*
	Mount Type:	*12.50-Ft Platform*

FUZE ID # 16067742

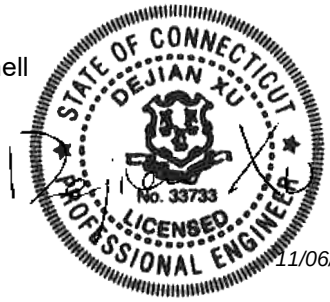
Analysis Results

Platform: **89.6% Pass w/ Modifications***

***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: Madison Shell



11/06/2023

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon Wireless, Site ID: 1708491, dated October 5, 2023*
Mount Mapping Report	*HighTower Solutions, Inc., Site #: 469063, dated May 7, 2020*
Previous Mount Analysis Report	*Colliers Engineering & Design, Project #: 21777880A (Rev. 2), dated October 26, 2023*
Mount Modification Drawings	*Colliers Engineering & Design, Project #: 21777880A (Rev. 1), dated November 6, 2023*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H Connecticut State Building Code, Effective October 1, 2022	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	130 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.997
Seismic Parameters:	S_S:	0.194 g
	S_1:	0.053 g
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Load, Lv:	250 lbs.
	Maintenance Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V20)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
157.00	160.00	6	Commscope	JAHH-65B-R3B	Added
		3	Samsung	MT6413-77A	
		3	Commscope	CBC78T-DS-43-2X	
		3	Samsung	RF4439d-25A	
		3	Samsung	RF4461d-13A	
		2	Raycap	RRFDC-3315-PF-48*	Retained

* Equipment is flush mounted directly to the Monopole. They are not mounted on platform mount and are not included in this mount analysis.

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

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

Standard Conditions:

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

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

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

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

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

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

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

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

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

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Connection Angle	89.6%	Pass
Large Pipe	54.9%	Pass
Kicker	12.1%	Pass
Mod Support Rail	43.8%	Pass
Mount Pipe	54.5%	Pass
Face Horizontal	34.1%	Pass
Corner Plate	36.1%	Pass
Cross Arm Plate	45.1%	Pass
Grating Support	17.9%	Pass
Platform Crossmember	12.5%	Pass
Standoff Horizontal	16.0%	Pass
Mount Connection	16.9%	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**89.6%**

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	37.1	37.1	58.3	58.3
0.5	49.3	49.3	78.2	78.2
1	59.7	59.7	96.2	96.2

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 (attachment 2) after the modifications detailed in attachment 3 are successfully completed.

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

Attachments:

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

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

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

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MDG #: 5000094194 SMART Project #: 10213277 Fuze Project ID: 16067742

Purpose – to upload the proper documentation to the SMART Tool in order to allow the SMART Tool engineering vendor to complete the required Mount Desktop review of the Post Modification Inspection Report.

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

Base Requirements:

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

Photo Requirements:

- *Photos taken at ground level*
  - Photo of Gate Signs showing the tower owner, site name, and number.
  - Overall tower structure after installation of the modifications.
  - Photos of the mount after installation of the modifications; if the mounts are at different rad elevations, pictures must be provided for all elevations that the modifications were installed

- *Photos taken at Mount Elevation*
  - Photos showing the safety climb wire rope above and below the mount prior to modification.
  - Photos showing the climbing facility and safety climb if present.

- Photos showing each individual sector after installation of modifications. Each entire sector must be in one photo to show the interconnection of members.
    - These photos shall also certify that the placement and geometry of the equipment on the mount is as depicted in the antenna placement diagram in this form.
- Photos that show the model number of each antenna and piece of equipment installed per sector.
- Photos of each installed modification per the modification drawings; pictures shall also include connection hardware (U-bolts, bolts, nuts, all-threaded rods, etc.)
- Photos showing the distances (relative distance between collars) of the installed modifications from the appropriate reference locations shown in the modification drawings.
- Photos showing the installed modifications onto the tower (i.e. ring/collar mounts, tie-backs, V-bracing kits, etc.); if the existing mount elevation needs to be changed according to the modification drawings, an elevation measurement shall be provided before the elevation change.

Material Certification:

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

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

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

OR

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

Antenna & Equipment Placement and Geometry Confirmation:

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

OR

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

Comments:

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

☐ Yes ☐ No

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

Issue:

Contractor shall float mount and rotate the mount such that the alpha sector face has an azimuth of 15 degrees. Contractor shall take care not to damage existing coax / jumpers. Re-route safety climb wire as necessary. 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).

Response:

Special Instruction Confirmation:

☐ The contractor has read and acknowledges the above special instructions.

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

Comments:

Certifying Individual:

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

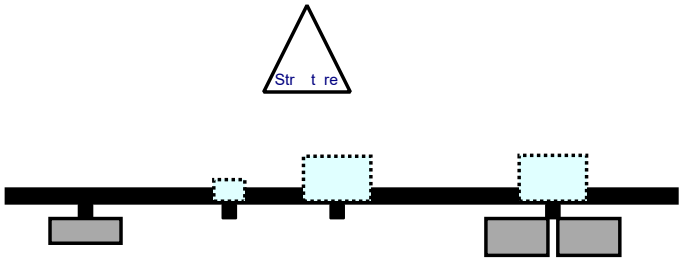
Structure: 5000094194-VZW - NE WATERFORD SE CT

Se tor: **A** 11/2/2023

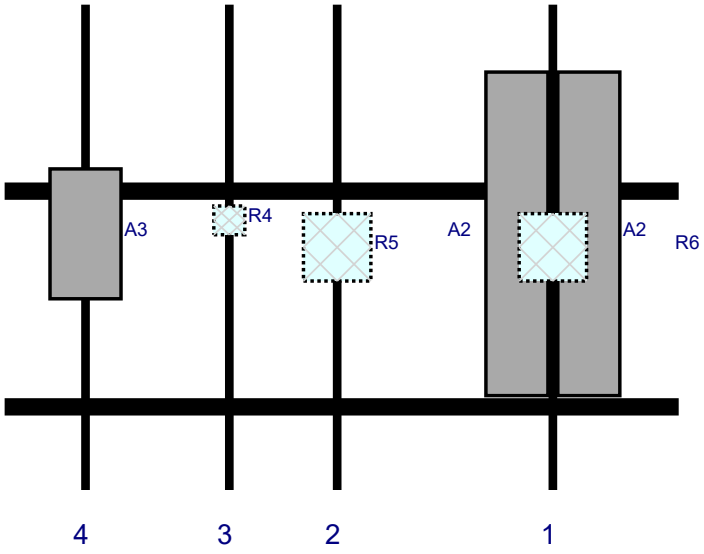
Str t re Type: Mo opole 10213277

Mo t Elev: 157.00 P ge: 1

Plan View



Front View - Loo i g t Str t re



Re #	Model	Height (i)	Width (i)	H Dist Fr L.	Pipe #	Pipe Pos V	A t Pos	C. A t Fr T.	A t H O	St t s	V lid tio
A2	JAHH-65B-R3B	72	13.8	122	1		Fro t	51	8	Added	
A2	JAHH-65B-R3B	72	13.8	122	1		Fro t	51	-8	Added	
R6	RF4461d-13A	15	15	122	1		Behi d	54	0	Added	
R5	RF4439d-25A	15	15	74	2		Behi d	54	0	Added	
R4	CBC78T-DS-43-2X	6.4	6.9	50	3		Behi d	48	0	Added	
A3	MT6413-77A	28.9	15.8	18	4		Fro t	51	0	Added	

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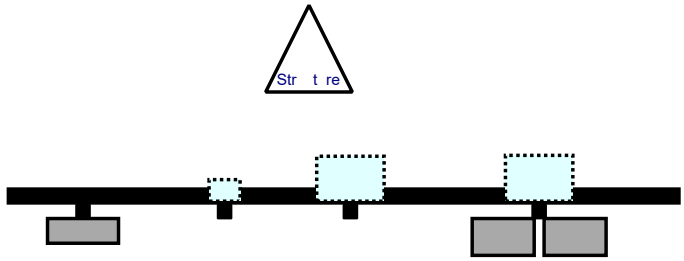
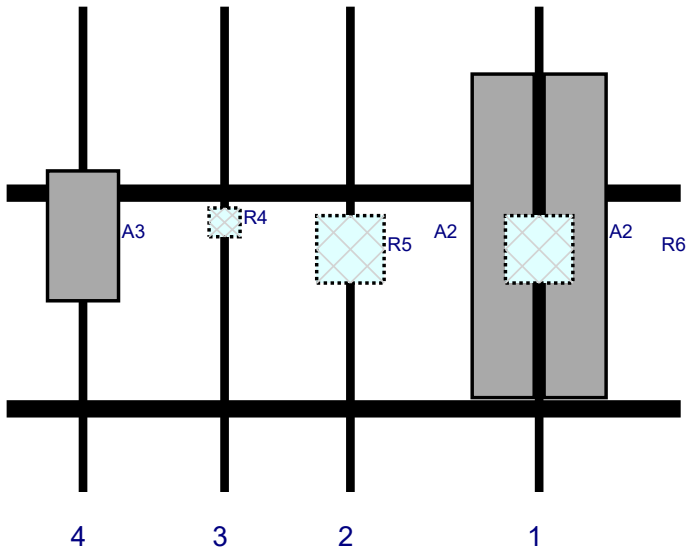
Plan View



Front View - Loo i g t Str t re



Re #	Model	Height (i)	Width (i)	H Dist Fr L.	Pipe #	Pipe Pos V	A t Pos	C. A t Fr T.	A t H O	St t s	V lid tio
A2	JAHH-65B-R3B	72	13.8	118.5	1		Fro t	51	8	Added	
A2	JAHH-65B-R3B	72	13.8	118.5	1		Fro t	51	-8	Added	
R6	RF4461d-13A	15	15	118.5	1		Behi d	54	0	Added	
R5	RF4439d-25A	15	15	76.5	2		Behi d	54	0	Added	
R4	CBC78T-DS-43-2X	6.4	6.9	48.5	3		Behi d	48	0	Added	
A3	MT6413-77A	28.9	15.8	17	4		Fro t	51	0	Added	

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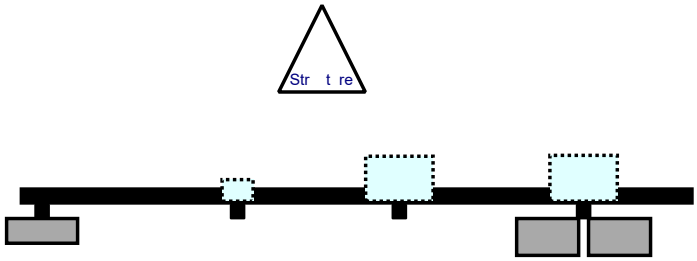
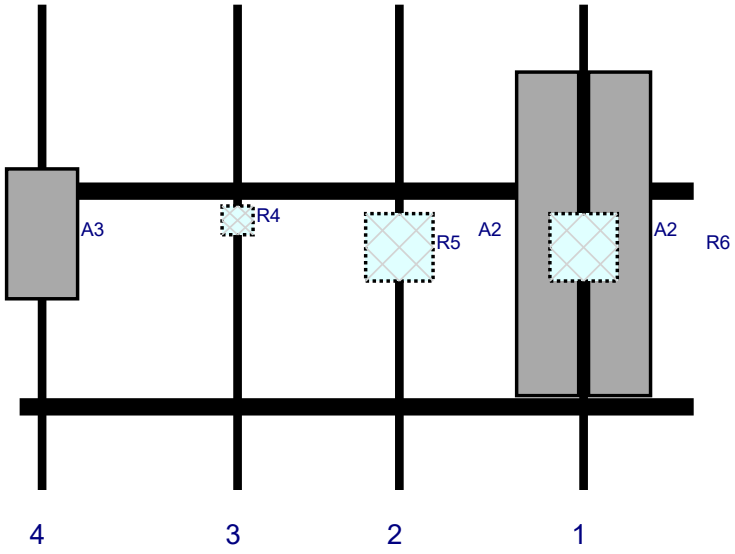
Plan View



Front View - Loo i g t Str t re



Re #	Model	Height (i)	Width (i)	H Dist Fr L.	Pipe #	Pipe Pos V	A t Pos	C. A t Fr T.	A t H O	St t s	V lid tio
A2	JAHH-65B-R3B	72	13.8	125.5	1		Fro t	51	8	Added	
A2	JAHH-65B-R3B	72	13.8	125.5	1		Fro t	51	-8	Added	
R6	RF4461d-13A	15	15	125.5	1		Behi d	54	0	Added	
R5	RF4439d-25A	15	15	84.5	2		Behi d	54	0	Added	
R4	CBC78T-DS-43-2X	6.4	6.9	48.5	3		Behi d	48	0	Added	
A3	MT6413-77A	28.9	15.8	5	4		Fro t	51	0	Added	

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MOUNT MODIFICATION DRAWINGS
EXISTING 12.50' PLATFORM

TOWER OWNER: AMERICAN TOWER COOPERATION
TOWER OWNER SITE NUMBER: 310972

CARRIER SITE NAME: WATERFORD SE CT
CARRIER SITE NUMBER: 5000094194
FUZE ID: 16067742

15 MINER LANE
WATERFORD, CT 06385
NEW LONDON COUNTY

LATITUDE: 41.329167° N
LONGITUDE: 72.124444° W

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DESIGN CRITERIA

WIND LOADS

BASIC WIND SPEED (3 SECOND GUST), V = 130 MPH
EXPOSURE CATEGORY C
TOPOGRAPHIC CATEGORY: 1
TOPOGRAPHIC CONSIDERED: N/A
TOPOGRAPHIC METHOD: N/A
MEAN BASE ELEVATION (AMSL) = 92.15'

ICE LOADS

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

SEISMIC LOADS

SEISMIC DESIGN CATEGORY B
SHORT TERM MCER GROUND MOTION, S_S = .194
LONG TERM MCER GROUND MOTION, S_1 = .053

PROJECT INFORMATION

APPLICANT/LESSEE

COMPANY: VERIZON WIRELESS

CLIENT REPRESENTATIVE

COMPANY: VERIZON WIRELESS

PROJECT MANAGER

COMPANY: COLLIERS ENGINEERING & DESIGN
CONTACT: PETER ALBANO
PHONE: 856.797.0412
E-MAIL: PETER.ALBANO@COLLIERSENG.COM

CONTRACTOR PMI REQUIREMENTS

PMI LOCATION: HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #: 16067742
VZW MDG #: 5000094194
ANALYSIS DATE: 11/6/2023

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

SHEET INDEX

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JOB NUMBER: 21777880

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
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.	.	.	.	.
1	11/6/2023	ISSUED FOR CONSTRUCTION	MKS	DX
0	6/30/2021	ISSUED FOR CONSTRUCTION	MSG	JPL

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SITE NAME:

WATERFORD SE CT
5000094194

15 MINER LANE
WATERFORD, CT 06385
NEW LONDON COUNTY

Colliers Engineering & Design

STAMFORD
1055 Washington Boulevard
Stamford, CT 06901
Phone: 203.324.0800
COLLIERS ENGINEERING & DESIGN CT, P.C.
DOING BUSINESS AS MASER CONSULTING

SHEET TITLE: TITLE SHEET

SHEET NUMBER: ST-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

BILL OF MATERIALS

SECTION 1 - VZWSMART KITS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
1	VZWSMART	VZWSMART-PLK1	SUPPORT RAIL KIT	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1.	504	504
1		VZWSMART-PLK5	KICKER KIT	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1.	291	291
1		VZWSMART-PLK7	MONOPOLE COLLAR MOUNT ASSEMBLY		150	150
3		VZWSMART-MSK3D	PIPE TO PIPE CLAMPS		42	126

SECTION 2 - OTHER REQUIRED PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
3	-	-	PROPOSED 108" LONG, PIPE 2 1/2 SCH40	GALVANIZED	52	156
-	-	-	48" LONG 5/8" DIA. A192-B7 THREADED ROD	GALVANIZED	-	
-	-	U-BOLTS	1/2" DIA. J429 U-BOLTS	GALVANIZED. U-BOLT QUANTITY AND INNER WIDTH ARE TO BE VERIFIED BY CONTRACTOR.	-	

SECTION 3 - REQUIRED SAFETY CLIMB PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
1	PERFECT VISON	PV-SCRB-RM-U	ROUTING BRACKET	OR EOR APPROVED EQUIVALENT	-	-
1	PERFECT VISION	PV-CMX-CG-BO	WIRE ROPE GUIDE	OR EOR APPROVED EQUIVALENT	-	-
					TOTAL:	1227

NOTES:

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

VZWSMART KITS - APPROVED VENDORS

COMMSCOPE	
CONTACT	SALVADOR ANGUIANO
PHONE	(817) 304-7492
EMAIL	SALVADOR.ANGUIANO@COMMSCOPE.COM
WEBSITE	WWW.COMMSCOPE.COM

METROSITE FABRICATORS, LLC	
CONTACT	KENT RAMEY
PHONE	(706) 335-7045 (O), (706) 982-9788 (M)
EMAIL	KENT@METROSITELLC.COM
WEBSITE	METROSITEFABRICATORS.COM

PERFECTVISION	
CONTACT	WIRELESS SALES
PHONE	(844) 887-6723
EMAIL	WWW.PERFECT-VISION.COM
WEBSITE	WIRELESSSALES@PERFECT-VISION.COM

SABRE INDUSTRIES, INC.	
CONTACT	ANGIE WELCH
PHONE	(866) 428-6937
EMAIL	AKWELCH@SABREINDUSTRIES.COM
WEBSITE	WWW.SABRESITESOLUTIONS.COM

SITE PRO 1	
CONTACT	PAULA BOSWELL
PHONE	(972) 236-9843
EMAIL	PAULA.BOSWELL@VALMONT.COM
WEBSITE	WWW.SITEPRO1.COM

NEWAVE	
CONTACT	NEWAVE SALES TEAM
PHONE	(971) 239-4762
EMAIL	SALES@NEWAVETC.COM
WEBSITE	WWW.NEWAVETC.COM

BETTER METAL, LLC	
CONTACT	DAVID STANSBERRY
PHONE	(615) 535-0990 (O), (615) 631-2520 (M)
EMAIL	DLS@BETTERMETAL.COM
WEBSITE	WWW.BETTERMETAL.COM

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SHEET TITLE: BILL OF MATERIALS

SHEET NUMBER: SBOM-1

GENERAL NOTES

1. THESE MODIFICATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE TELECOMMUNICATIONS INDUSTRY STANDARD TIA-222-H. MATERIALS AND SERVICES PROVIDED BY THE CONTRACTOR SHALL CONFORM TO THE ABOVE MENTIONED CODES.
2. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT DAMAGE TO EXISTING STRUCTURES. ANY DAMAGE TO EXISTING STRUCTURES AS A RESULT OF THE CONTRACTOR'S WORK OR FROM DAMAGE DUE TO OTHER CAUSES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS BEFORE BEGINNING WORK, ORDERING MATERIAL, AND PREPARING OF SHOP DRAWINGS. ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER. IF THE CONTRACTOR DISCOVERS ANY EXISTING CONDITIONS THAT ARE NOT REPRESENTED ON THESE DRAWINGS, OR ANY CONDITIONS THAT WOULD INTERFERE WITH THE INSTALLATION OF THE MODIFICATIONS, NOTIFY THE ENGINEER IMMEDIATELY.
4. IT IS ASSUMED THAT ANY STRUCTURAL MODIFICATION WORK SPECIFIED ON THESE PLANS WILL BE ACCOMPLISHED BY KNOWLEDGEABLE WORKMEN WITH TOWER CONSTRUCTION EXPERIENCE.
5. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION METHODS, MEANS, TECHNIQUES, SEQUENCES, AND PROCEDURES.
6. ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN AND SHALL MEET ANSI/TIA-322 (LATEST EDITION), OSHA, AND GENERAL INDUSTRY STANDARDS. ALL RIGGING PLANS SHALL ADHERE TO ANSI/TIA-322 (LATEST EDITION) INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION.
7. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PROGRAMS IN ACCORDANCE WITH APPLICABLE SAFETY CODES.
8. WORK SHALL ONLY BE PERFORMED DURING CALM DRY DAYS (WINDS LESS THAN 30-MPH). THE STRUCTURE SHOWN ON THE DRAWINGS IS STRUCTURALLY SOUND ONLY IN THE COMPLETED FORM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STRENGTH AND STABILITY OF THE STRUCTURE DURING ERECTION. CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT, SHORING, BRACING AND ANY OTHER STRUCTURAL SYSTEMS AS REQUIRED TO RESIST ALL FORCES THAT MAY OCCUR DURING HANDLING AND ERECTION UNTIL THE STRUCTURE IS FULLY COMPLETED. TEMPORARY SUPPORTS, BRACING AND OTHER STRUCTURAL SYSTEMS REQUIRED DURING CONSTRUCTION SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER THEIR USE.
9. ALL INSTALLATIONS PERFORMED ON THIS STRUCTURE SHALL BE COMPLETED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE STANDARD FOR INSTALLATION, ALTERATION AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS, ANSI/TIA-322.
10. CONTRACTOR SHALL SECURE SITE BACK TO EXISTING CONDITION UNDER SUPERVISION OF OWNER. ALL FENCE, STONE, GEOFABRIC, GROUNDING, AND SURROUNDING GRADE SHALL BE REPLACED AND REPAIRED AS REQUIRED TO ACHIEVE OWNER APPROVAL. POSITIVE DRAINAGE AWAY FROM TOWER SITE SHALL BE MAINTAINED.
11. CONNECTIONS BETWEEN ITEMS SUPPORTED BY THE STRUCTURE AND THE STRUCTURE NOT SPECIFICALLY DETAILED IN THE CONTRACT DOCUMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR. SUCH CONNECTIONS SHALL BE DESIGNED, COORDINATED AND INSPECTED BY A PROFESSIONAL STRUCTURAL ENGINEER LICENSED IN THE STATE OF THE PROJECT. SUBMIT SIGNED AND SEALED CALCULATIONS DURING SHOP DRAWING REVIEW.
12. DO NOT SCALE DRAWINGS.
13. DO NOT USE THESE DRAWINGS FOR ANY OTHER SITE.
14. ALL MATERIAL UTILIZED FOR THIS PROJECT MUST BE NEW AND FREE OF ANY DEFECTS. ANY MATERIAL SUBSTITUTIONS, INCLUDING BUT NOT LIMITED TO ALTERED SIZE AND/OR STRENGTHS, MUST BE APPROVED BY THE OWNER AND ENGINEER IN WRITING.
15. THE MOUNT UNDER NO CIRCUMSTANCES SHOULD BE USED AS A TIE OFF POINT.

STRUCTURAL STEEL

1. DESIGN, DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING PUBLICATIONS EXCEPT AS SPECIFICALLY INDICATED IN THE CONTRACT DOCUMENTS.
    a. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) MANUAL OF STEEL CONSTRUCTION (15TH EDITION)
    b. SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS
    c. AISC CODE OF STANDARD PRACTICE
2. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING UNLESS OTHERWISE SHOWN:

CHANNELS, ANGLES, PLATES, ETC.	ASTM A36 (GR 36)
STEEL PIPE	ASTM A53 (GR 35)
BOLTS	ASTM A325
NUTS	ASTM A563
LOCK WASHERS	LOCKING STRUCTURAL GRADE

3. ALL SUBSTITUTIONS PROPOSED BY THE CONTRACTOR SHALL BE APPROVED IN WRITING BY THE ENGINEER. CONTRACTOR SHALL PROVIDE DOCUMENTATION TO ENGINEER FOR VERIFYING THE SUBSTITUTE IS SUITABLE FOR USE AND MEETS ORIGINAL DESIGN CRITERIA. DIFFERENCES FROM THE ORIGINAL DESIGN, INCLUDING MAINTENANCE, REPAIR AND REPLACEMENT, SHALL BE NOTED. ESTIMATES OF COSTS/CREDITS ASSOCIATED WITH THE SUBSTITUTION (INCLUDING RE-DESIGN COSTS AND COSTS TO SUB-CONTRACTORS) SHALL BE PROVIDED TO THE ENGINEER. CONTRACTOR SHALL PROVIDE ADDITIONAL DOCUMENTATION AND/OR SPECIFICATIONS TO THE ENGINEER AS REQUESTED.
4. PROVIDE STRUCTURAL STEEL SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
    a. SUBMIT SHOP DRAWINGS TO

       PETER.ALBANO@COLLIERSENG.COM

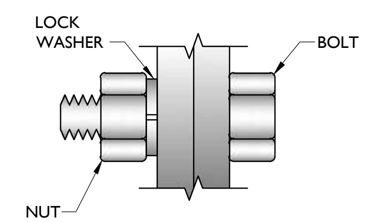
    b. PROVIDE COLLIERS ENGINEERING & DESIGN PROJECT # AND COLLIERS ENGINEERING & DESIGN PROJECT ENGINEER CONTACT IN THE BODY OF THE EMAIL.
5. DRILL NO HOLES IN ANY NEW OR EXISTING STRUCTURAL STEEL MEMBERS OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.
6. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
7. ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER PROTECTION. IN ADDITION ALL NEW STEEL SHALL BE PAINTED TO MATCH EXISTING STEEL. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
8. ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING REQUIRE LOCKING DEVICES TO BE INSTALLED IN ACCORDANCE WITH TIA-222-H SECTION 4.9.2 REQUIREMENTS.
9. WHERE CONNECTIONS ARE NOT FULLY DETAILED ON THESE DRAWINGS, FABRICATOR SHALL DESIGN CONNECTIONS TO RESIST LOADS AND FORCES WHERE SHOWN ON DRAWINGS AND AS OUTLINED IN SPECIFICATIONS.
10. FOR MEMBERS BEING REPLACED, PROVIDE NEW BOLTS AND MATCH EXISTING SIZE AND GRADE. MAINTAIN AISC REQUIREMENTS FOR MINIMUM BOLT DISTANCE AND SPACING.
11. ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE END OF THE BOLT IS AT LEAST FLUSH WITH THE FACE OF THE NUT. IT IS NOT PERMITTED FOR THE BOLT END TO BE BELOW THE FACE OF THE NUT AFTER TIGHTENING IS COMPLETED.
12. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
13. ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER PROTECTION. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
14. ALL EXISTING PAINTED/GALVANIZED SURFACES DAMAGED DURING REHAB INCLUDING AREAS UNDER STIFFENER PLATES SHALL BE WIRE BRUSHED CLEAN, REPAIRED BY COLD GALVANIZING (ZINC COTE, OR EOR APPROVED EQUAL), AND REPAINTED TO MATCH THE EXISTING FINISH (IF APPLICABLE).
15. ALL HOLES IN STEEL MEMBERS SHALL BE SIZED 1/16" LARGER THAN THE BOLT DIAMETER. STANDARD HOLES SHALL BE USED UNLESS NOTED OTHERWISE.

BOLT SCHEDULE (IN.)

BOLT DIAMETER	STANDARD HOLE	SHORT SLOT	MIN. EDGE DISTANCE	SPACING
1/2	9/16	9/16 x 11/16	7/8	1 1/2
5/8	11/16	11/16 x 7/8	1 1/8	1 7/8
3/4	13/16	13/16 x 1	1 1/4	2 1/4
7/8	15/16	15/16 x 1 1/8	1 1/2	2 5/8
1	1 1/16	1 1/16 x 1 5/16	1 3/4	3

WORKABLE GAGES (IN.)

LEG	GAGE
4	2 1/2
3 1/2	2
3	1 3/4
2 1/2	1 3/8
2	1 1/8



TYP. BOLT ASSEMBLY

NOTES:

1. ALL DIMENSIONS REPRESENTED IN THE ABOVE TABLES ARE AISC MINIMUM REQUIREMENTS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN FIELD AND NOTIFY ENGINEER IF DISTANCES ARE LESS THAN THOSE PROVIDED.
2. THE DIMENSIONS PROVIDED ARE MINIMUM REQUIREMENTS. ACTUAL DIMENSIONS OF PROPOSED MEMBERS WITHIN THESE DRAWINGS MAY VARY FROM THE AISC MINIMUM REQUIREMENTS.
3. SHORT SLOT HOLES SHALL ONLY BE USED WHEN DEPICTED IN THE DRAWINGS
4. MATCH EXISTING GAGES WHEN APPLICABLE, UNLESS MINIMUM EDGE DISTANCES ARE COMPROMISED.

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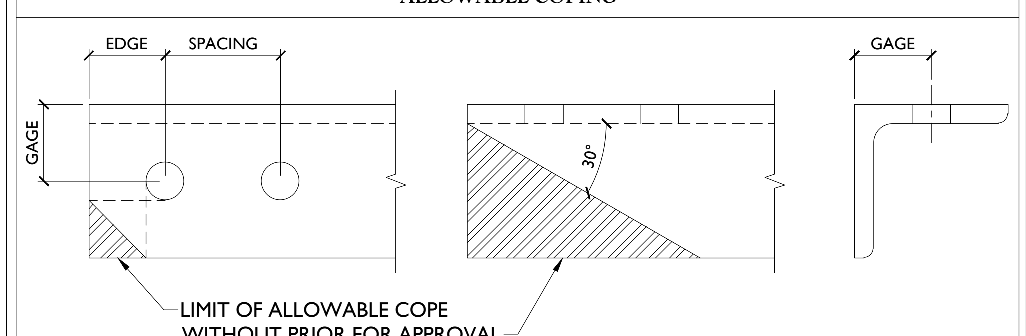

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.	.	.	.	.
1	11/6/2023	ISSUED FOR CONSTRUCTION	MKS	DX
0	6/30/2021	ISSUED FOR CONSTRUCTION	MSG	JPL

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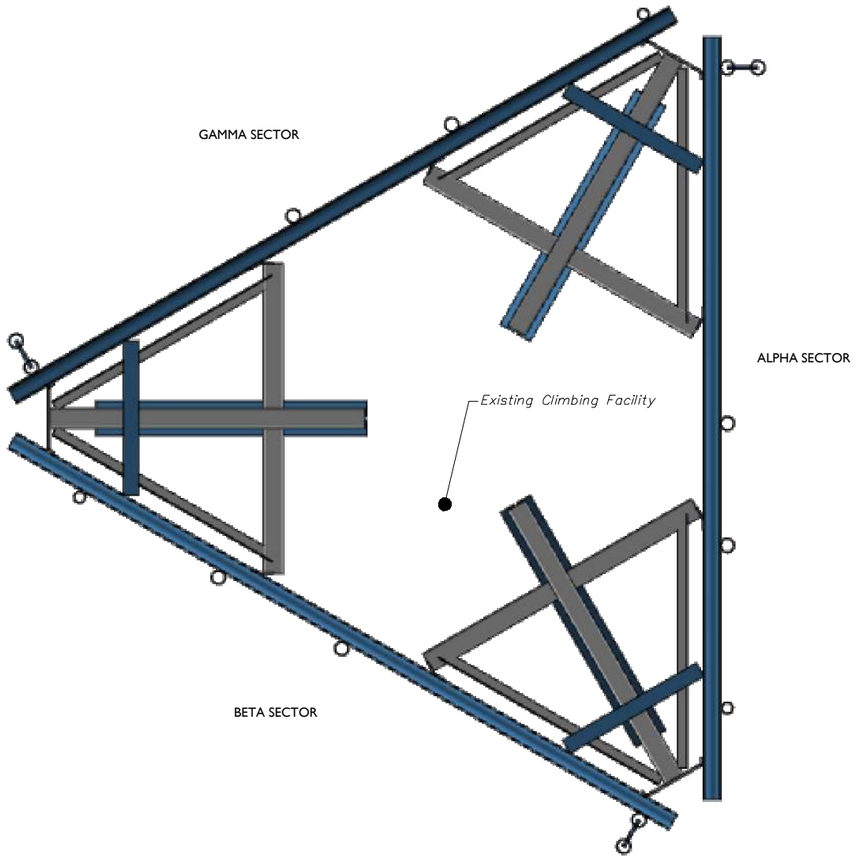
Colliers Engineering & Design

STAMFORD
1055 Washington Boulevard
Stamford, CT 06901
Phone: 203.324.0800
COLLIERS ENGINEERING & DESIGN CT, P.C.
DOING BUSINESS AS MASER CONSULTING

SHEET TITLE : GENERAL NOTES

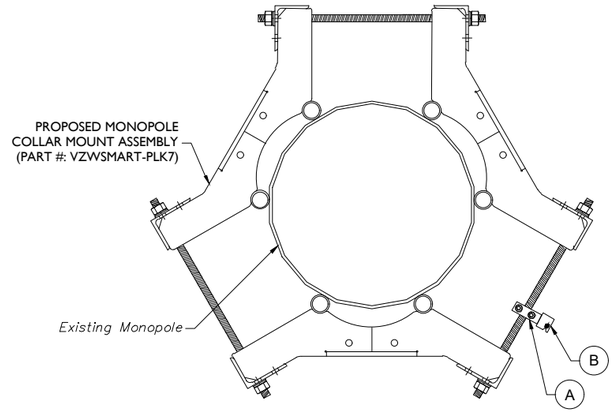
SHEET NUMBER : SGN-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



1 CLIMBING FACILITY LOCATION

SCALE : N.T.S.

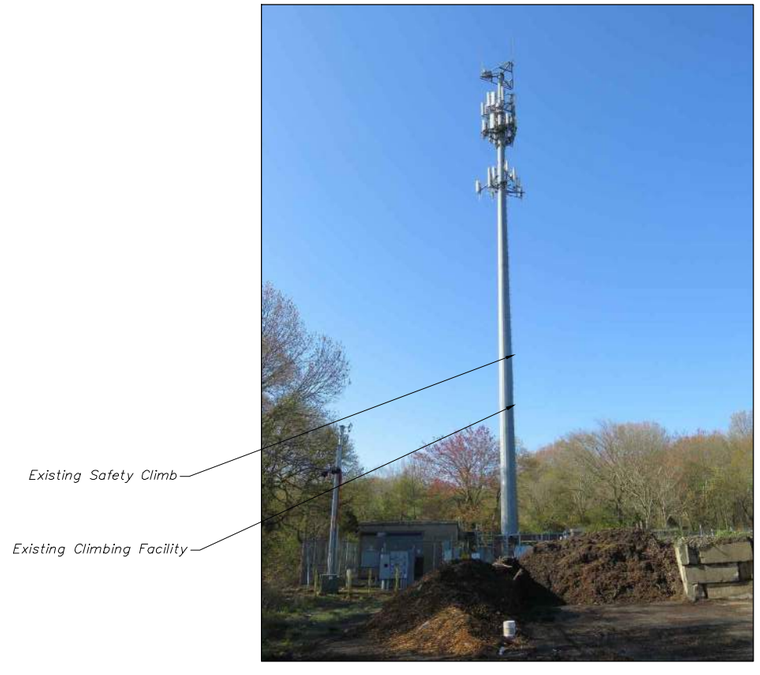


ITEM #	QTY	PART NUMBER	DESCRIPTIONS
A	1	PV-SCRB-RM-U	ROUTING BRACKET (PERFECT VISION OR EOR APPROVED EQ.)
B	1	PV-CMX-CG-BO	WIRE ROPE GUIDE (PERFECT VISION OR EOR APPROVED EQ.)

2 PROPOSED WIRE ROPE GUIDE ATTACHMENT - PLAN VIEW

SCALE : N.T.S.

NOTE: CONTRACTOR SHALL ENSURE THAT WIRE ROPE GUIDE DOES NOT PUSH THE WIRE ROPE OUTSIDE OF THE VERTICAL PLANE OF THE SAFETY CLIMB. CONTRACT EOR WITH PHOTOS OF SAFETY CLIMB AND COLLAR FOR FURTHER DIRECTION IF NEEDED.



CLIMBING FACILITY PHOTO

STRUCTURAL NOTES:

1. PER THE MOUNT MAPPING COMPLETED BY HIGHTOWER SOLUTIONS, INC. ON 5/7/2020, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (157'-0") ARE IN GOOD CONDITION. COLLIERS ENGINEERING & DESIGN DOES NOT WARRANT THIS INFORMATION.

2. INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB, OR ANY SYSTEM INSTALLED ON THE STRUCTURE. TIMELY NOTICE AND DOCUMENTATION SHALL BE PROVIDED BY CONTRACTORS TO THE EOR (OF STRUCTURAL DESIGN) IF AN OBSTRUCTION WAS REQUIRED TO MEET THE RF SYSTEM DESIGN REQUIREMENTS AND PERFORMANCES.

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SCALE : AS SHOWN

JOB NUMBER : 21777880

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
.	.		.	.
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1	11/6/2023	ISSUED FOR CONSTRUCTION	MKS	DX
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SHEET TITLE :

CLIMBING FACILITY DETAIL

SHEET NUMBER :

SCF-1

LEGEND:

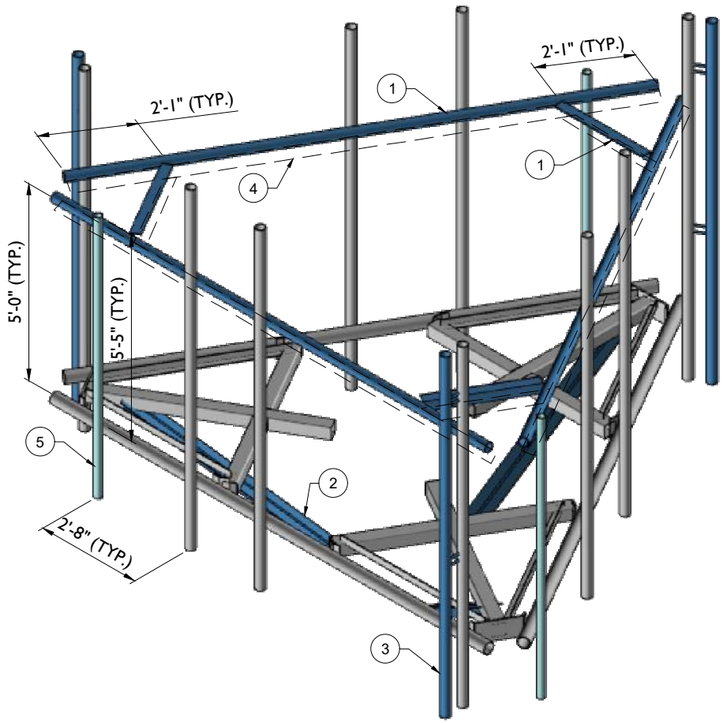
- PROPOSED
- RELOCATED
- EXISTING
- REMOVED

MOUNT MODIFICATION SCHEDULE

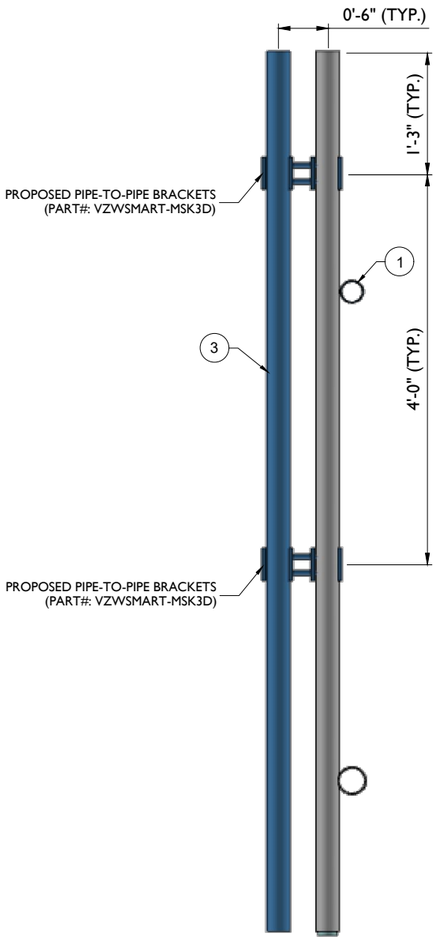
NO.	ELEVATION	QUANTITY	DESCRIPTION	NOTES
1	157'-0"	1	PROPOSED SUPPORT RAIL KIT (PART #: VZWSMART-PLK1)	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1. RADIO AND/OR TME POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN.
2		1	PROPOSED KICKER KIT (PART #: VZWSMART-PLK5)	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1. CONNECT OTHER END OF KICKER KIT TO MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7). SEE GENERAL NOTE B.
3		3	PROPOSED 108" LONG, PIPE 2 1/2 SCH40 MOUNT PIPE	CONNECT NEW MOUNT PIPE TO EXISTING VERTICAL PIPE WITH PIPE-TO-PIPE CLAMPS (PART #: VZWSMART-MSK3D).
4		1	REMOVE EXISTING SUPPORT RAIL	REMOVE EXISITING SUPPORT RAIL AND ASSOSIATED HARWARE.
5		3	EXISTING 84" LONG, PIPE 2 SCH40 MOUNT PIPE	CONTRACTOR SHALL SHIFT MOUNT PIPES VERTICALLY IN POSITION 4 ON ALL SECTORS SUCH THAT THE TOP OF MOUNT PIPES IS 65" ABOVE THE FACE HORIZONTAL. ADJUST ANTENNA LOCATIONS ALONG SHIFTED PIPES TO MAINTAIN REQUIRED ANTENNA CENTERLINES. RECONNECT SHIFTED PIPES TO MOUNT HORIZONTALS USING EXISTING CONNECTION CROSSOVER PLATES AND (4) NEW ½" DIA. J429 GR-1 U-BOLTS AT EACH CONNECTION. DO NOT REUSE EXISTING BOLTS.

GENERAL NOTES:

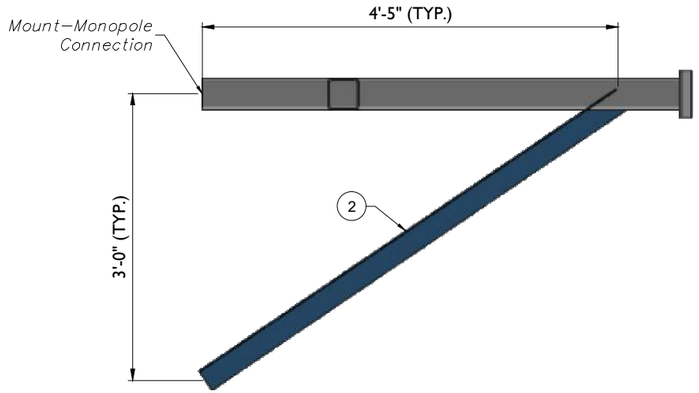
A. CONTRACTOR SHALL FLOAT MOUNT AND ROTATE SUCH THAT THE ALPHA FACE OF THE MOUNT HAS AN AZIMUTH OF 15 DEGREES. CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE EXISTING COAX / JUMPERS. RE-ROUTE SAFETY CLIMB WIRE AS NECESSARY.
B. CONTRACTOR SHALL VERIFY THAT NEW & EXISTING STEEL IS FREE OF CORROSION. VISIBLE MINOR CORROSION SHALL BE WIRE BRUSHED CLEAN AND TREATED WITH COLD GALVANIZATION. REPORT ANY SIGNIFICANT CORROSION TO EOR
C. THREADED ROD FROM PROPOSED KITS SHALL BE TRIMMED TO EXTEND NO MORE THAN 3" BEYOND THE LOCK NUT. TREAT ALL CUT ENDS WITH (2) COATS OF COLD GALVANIZATION (ZINC KOTE, OR EOR APPROVED EQUAL).
D. MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.



1 PROPOSED ISOMETRIC VIEW (TYP. ALL SECTORS)
SCALE : N.T.S.



2 PROPOSED PIPE TO PIPE SIDE ELEVATION (TYP. ALL SECTORS)
SCALE : N.T.S.



3 PROPOSED SIDE ELEVATION VIEW (TYP. ALL SECTORS)
SCALE : N.T.S.

FLOATING THE MOUNT:
CONTRACTOR SHALL FLOAT MOUNT AND ROTATE THE MOUNT SUCH THAT THE ALPHA SECTOR FACE HAS AN AZIMUTH OF 15 DEGREES. CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE EXISTING COAX / JUMPERS. RE-ROUTE SAFETY CLIMB WIRE AS NECESSARY.

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).

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SHEET TITLE :
MODIFICATION DETAILS

SHEET NUMBER :
SS-1

MOUNT PHOTO 1

MOUNT PHOTO 2

MOUNT PHOTO 3

MOUNT PHOTO 4

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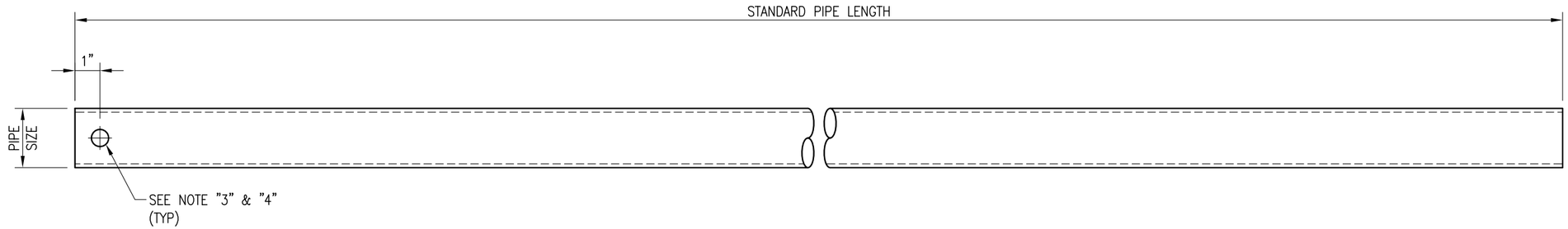
SHEET TITLE : MOUNT PHOTOS

SHEET NUMBER : SS-2



VZWSMART Standard Pipe		
VZWSMART Number	Size	Length
P40-238X048	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	48"
P40-238X072	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	72"
P40-238X096	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	96"
P40-238X120	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	120"
P40-238X126	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	126"
P40-238X150	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	150"
P40-238X174	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	174"
P40-278X048	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	48"
P40-278X072	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	72"
P40-278X096	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	96"
P40-278X120	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	120"
P40-278X126	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	126"
P40-278X150	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	150"
P40-278X174	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	174"
P40-312X048	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	48"
P40-312X072	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	72"
P40-312X126	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	126"
P40-312X150	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	150"
P40-312X174	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	174"

NOTE:
APPROVED SMART KIT VENDORS ARE ALLOWED TO SUBSTITUTE AT THEIR DISCRETION PIPES LISTED ON THIS PAGE FOR CUSTOM LENGTH COMPONENTS OF MATCHING SIZE. SUBSTITUTIONS SHALL MEET THE ORIGINAL STRUCTURAL INTENT.

NOTES:
1. ALL PIPE GRADE A53-B OR BETTER.
2. HOT-DIPPED GALVANIZED PER ASTM A123.
3. ALL HOLES ARE 11/16" DIA. U.N.O
4. HOLES MAY OR MAY NOT BE PRESENT, DEPEND UPON MANUFACTURE DISCRETION.
5. ALL FIELD CUT AND DRILLED SURFACES SHALL BE REPAIRED WITH A MINIMUM OF TWO COATS OF ZINGA OR ZINC COTE PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS.

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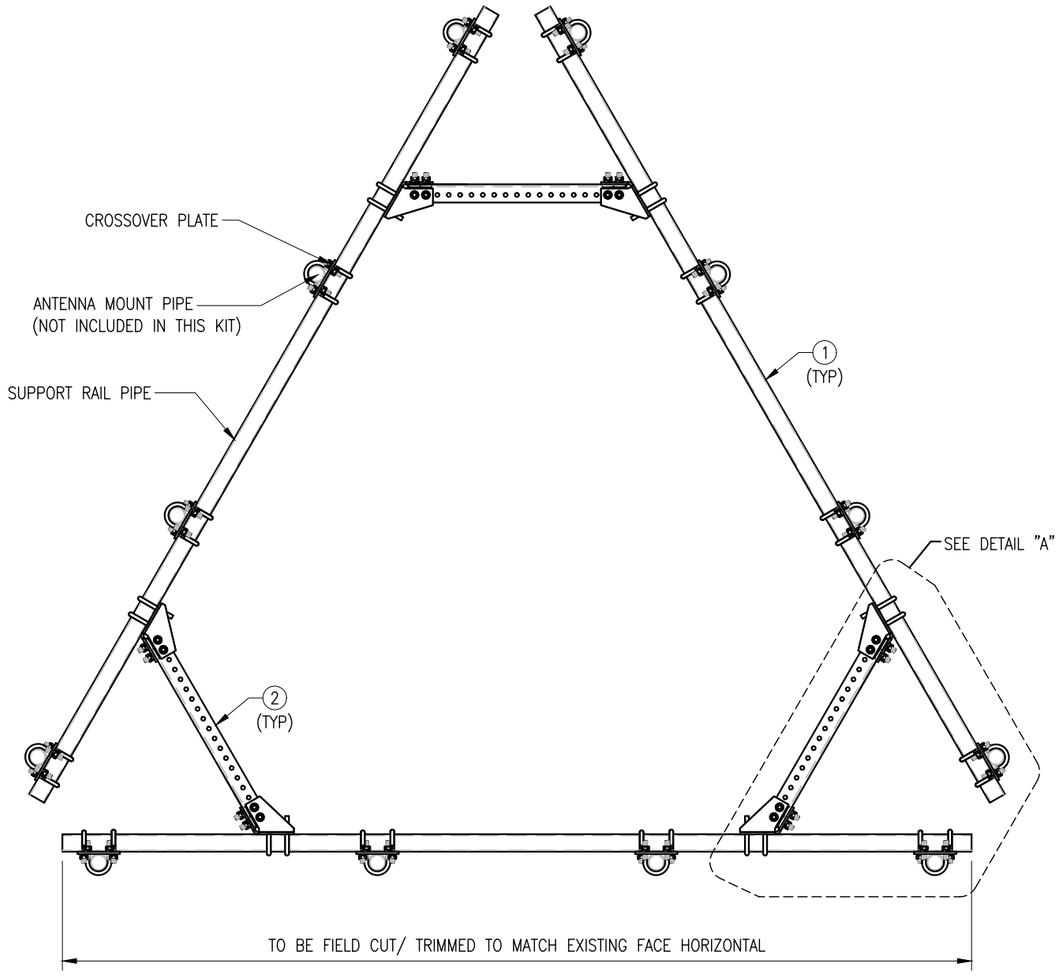
DRAWN BY: BT | CHECKED BY: HMA/KW

REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	BT	08/04/21

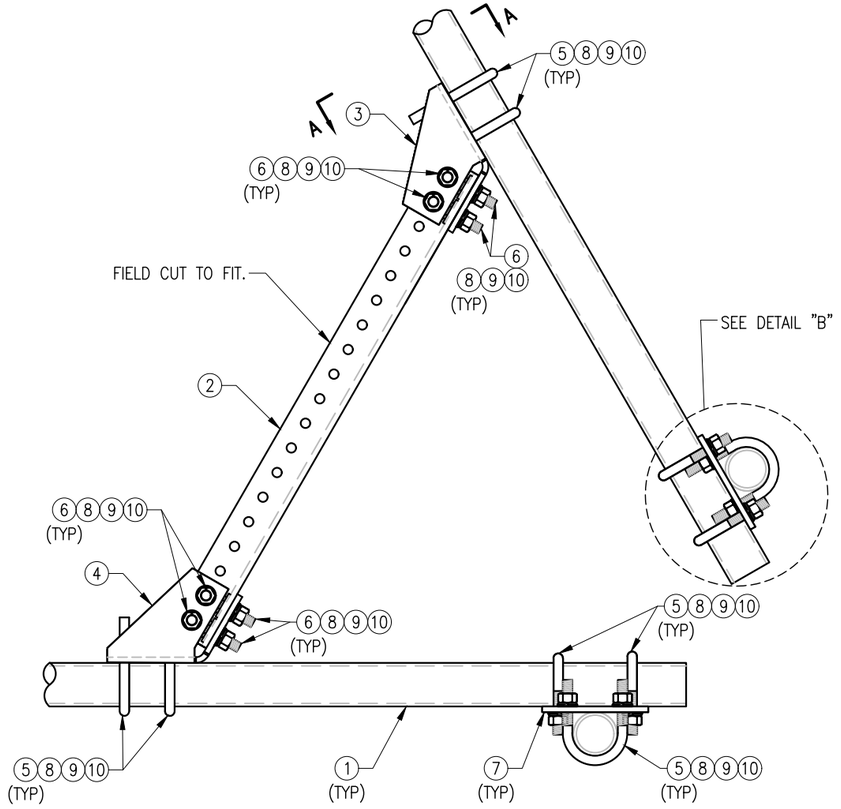
SHEET TITLE:
VZWSMART STANDARD PIPE

SHEET NUMBER: VZWSMART-PIPE

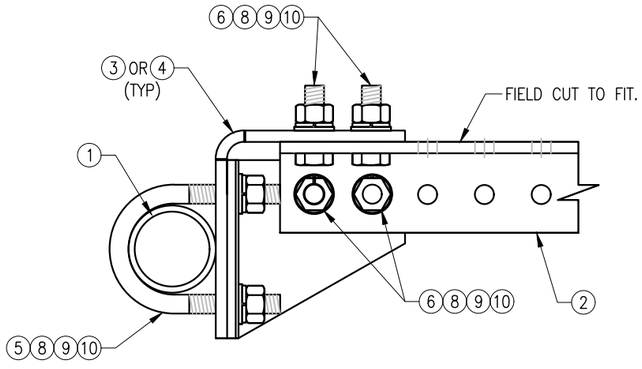
REV #: 0



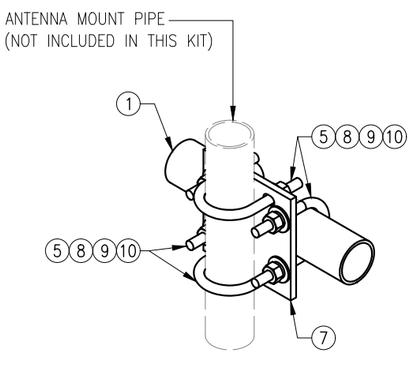
PLAN VIEW



DETAIL "A"



SECTION "A–A"



DETAIL "B"

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

VZW SMART–PLK1 (SUPPORT RAIL KIT)

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

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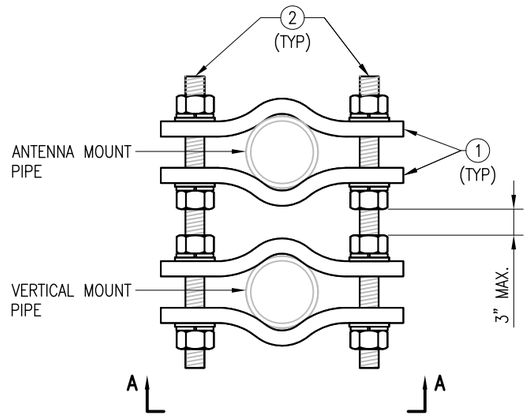
DRAWN BY: H.R | CHECKED BY: HMA

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

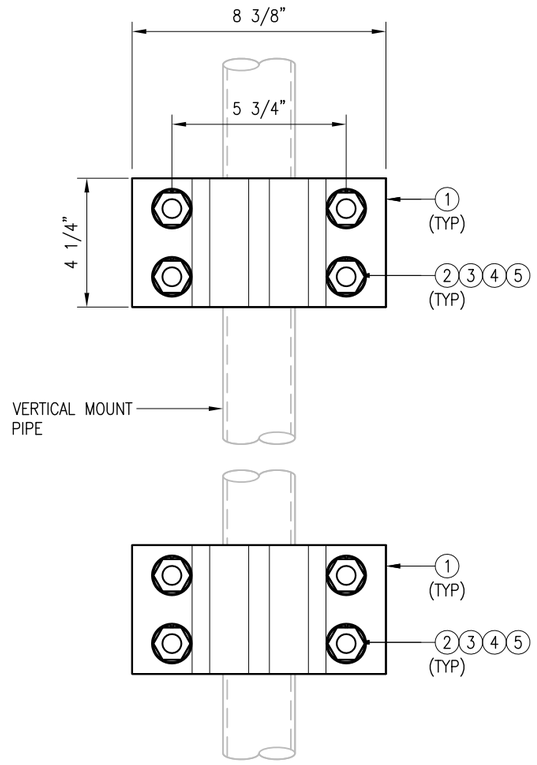
SHEET TITLE:
VZWSMART–PLK1
SUPPORT RAIL KIT

SHEET NUMBER: VZWSMART–PLK1

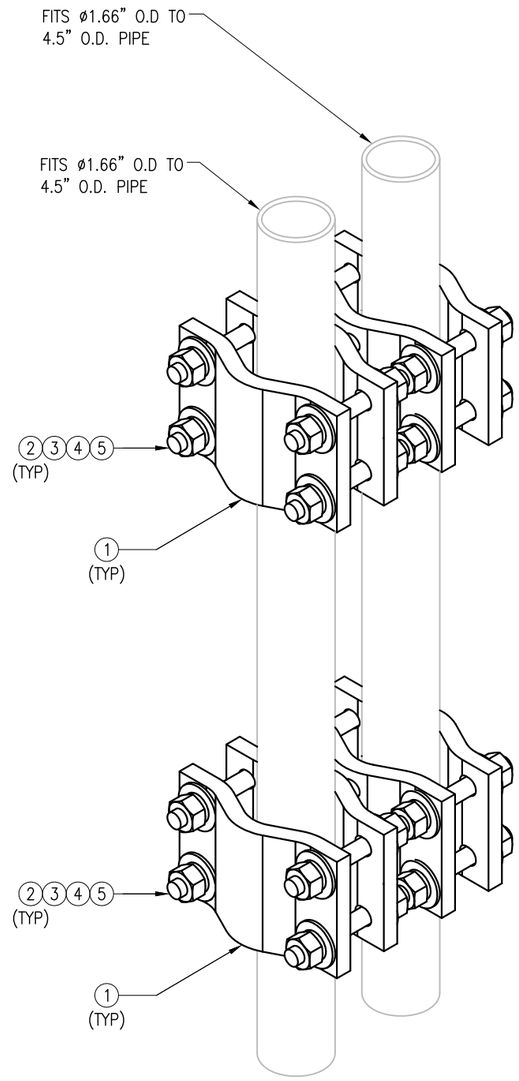
REV #: 0



PIPE TO PIPE CLAMPS
PLAN VIEW



SECTION "A-A"



PIPE TO PIPE CLAMPS
ISOMETRIC VIEW

NOTES:
1. ALL HOLES ARE 11/16" DIA. U.N.O
2. HOT-DIPPED GALVANIZED PER ASTM A123.
3. FIT UP TO 4.5" O.D. PIPE

VZWSMART-MSK3D (PIPE TO PIPE CLAMPS)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	8	V-CLAMP	PL 1/2" X 4 1/4" X 8 5/8" A36 BEND PLATE	MSK3D-F1	42
2	8	---	THREADED ROD 5/8" DIA. X 1'-0" F1554-36 HDG	---	--
3	32	FW-625	5/8" HDG USS FLAT WASHER	---	3
4	32	LW-625	5/8" HDG LOCK WASHER	---	1
5	32	NUT-625	5/8" HDG HEX NUT	---	4
				GALVANIZED WT	42

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DRAWN BY: BT | CHECKED BY: HMA/KW

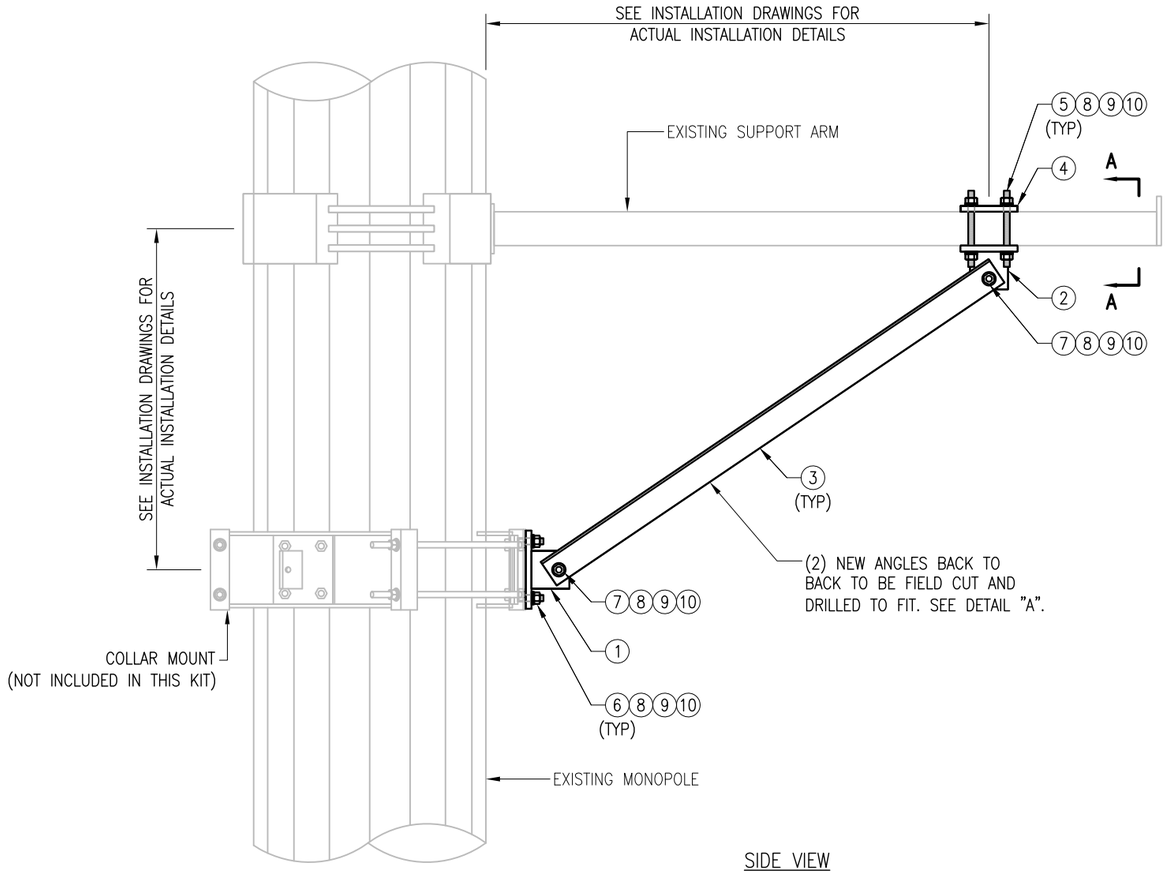
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	BT	05/08/20

SHEET TITLE:
VZWSMART-MSK3D
PIPE TO PIPE CLAMPS

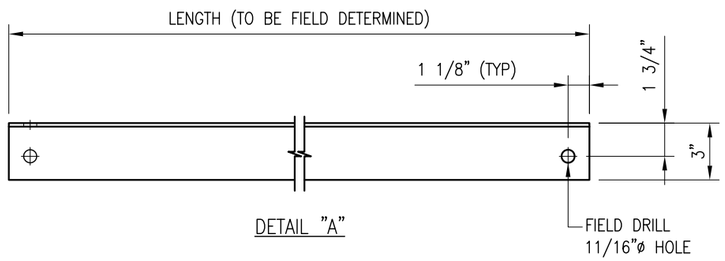
SHEET NUMBER: VZWSMART-MSK3D

REV #: 0

NOTE:
THE LOCATION OF KICKER AND EXISTING ANTENNA MOUNT SHOWN ON THE DRAWING IS FOR REPRESENTATION PURPOSE ONLY. SEE INSTALLATION DRAWINGS FOR ACTUAL INSTALLATION OF DETAILS.



SIDE VIEW
KICKER KIT



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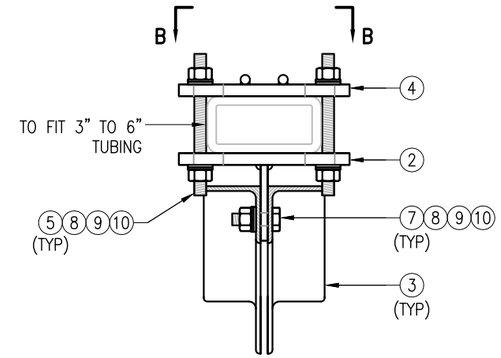
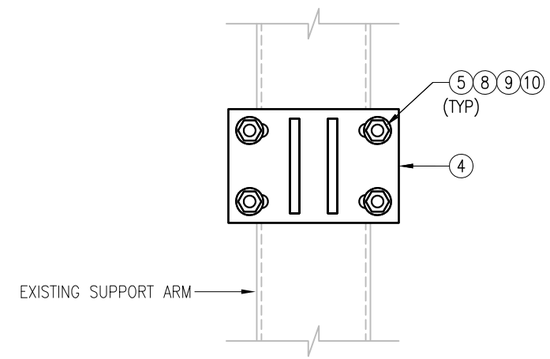
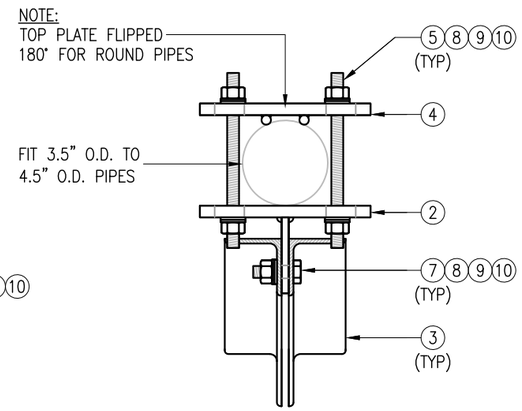


SECTION "A–A"
RECT. HSS MOUNTING



SECTION "B–B"

NOTE:
TOP PLATE FLIPPED 180° FOR ROUND PIPES



SECTION "A–A"
ROUND PIPE MOUNTING

VZWSMART–PLK5 (KICKER KIT)					
ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	BRKW–XXX	BRACKET WELDMENT A36	PLK5–F3	43.8
2	3	BRKW–XXXX	BRACKET WELDMENT A36	PLK5–F2	35.7
3	6	L331875–8	L 3" X 3" X 3/16" X 8'–0" A36	PLK5–F4	182.9
4	3	PL–KI	PL 5/8" X 6" X 9" A36	PLK5–F1	29.0
5	12	---	THREADED ROD 5/8" DIA. X 1'–0" F1554–36 HDG	---	--
6	6	---	BOLT 5/8" X 2" A325	---	--
7	12	---	BOLT 5/8" X 2 1/2" A325	---	--
8	42	FW–625	5/8" HDG USS FLAT WASHER	---	3
9	42	LW–625	5/8" HDG LOCK WASHER	---	1
10	42	NUT–625	5/8" HDG HEX NUT	---	5
				GALVANIZED WT	291

NOTES:
1. ALL HOLES ARE 11/16" DIA. U.N.O
2. HOT–DIPPED GALVANIZED PER ASTM A123.
3. FIT UP TO 6" SQ. TUBING OR 4 1/2" O.D. PIPE

VzW
SMART Tool©
Vendor

verizon

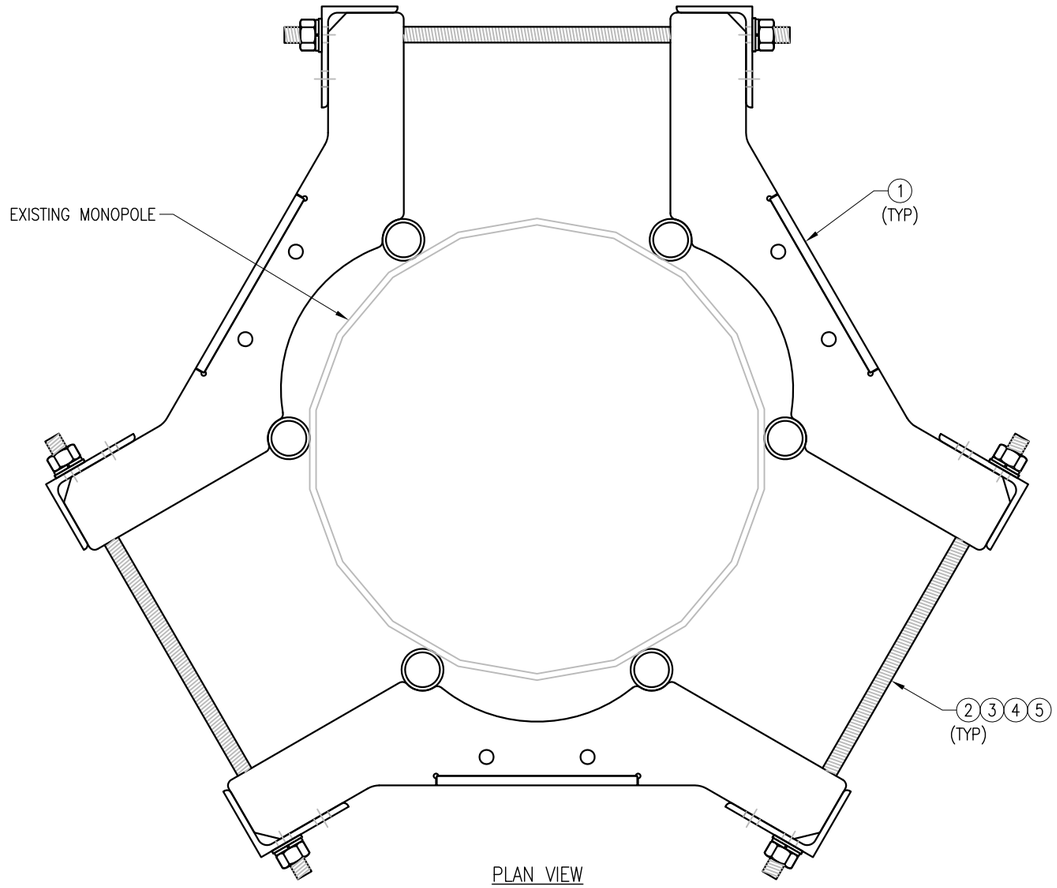
FOR REFERENCE ONLY

DRAWN BY: MN | CHECKED BY: HMA/KW

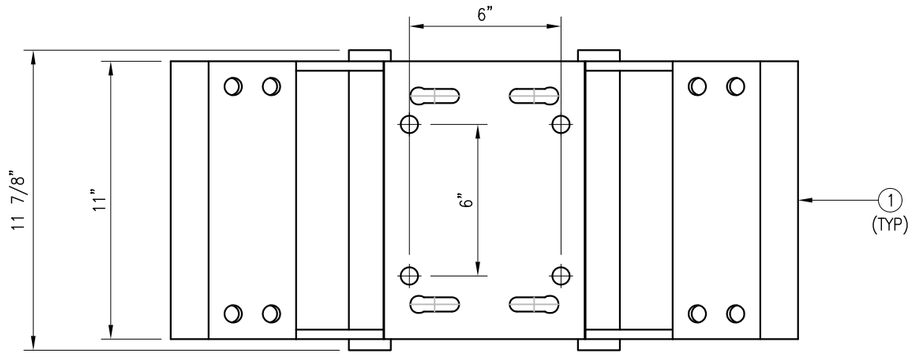
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	MN	05/08/20

SHEET TITLE:
VZWSMART–PLK5
KICKER KIT

SHEET NUMBER: VZWSMART–PLK5
REV #: 0



PLAN VIEW
MONOPOLE COLLAR MOUNT ASSEMBLY



FRONT VIEW

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

VZWSMART-PLK7 (MONOPOLE COLLAR MOUNT ASSEMBLY)

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

VzW
SMART Tool©
Vendor

verizon

FOR REFERENCE ONLY

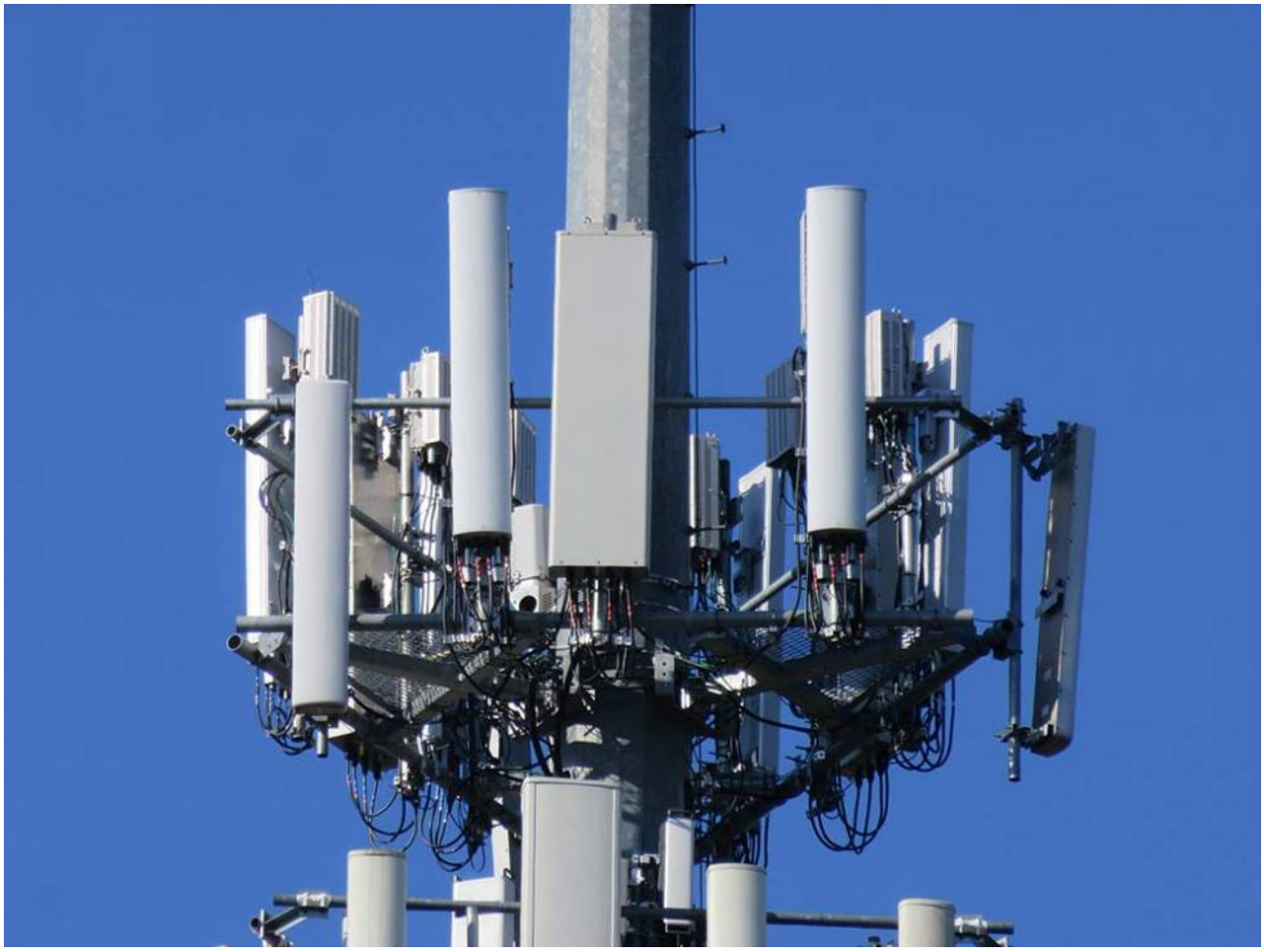
DRAWN BY: BT | CHECKED BY: HMA/KW

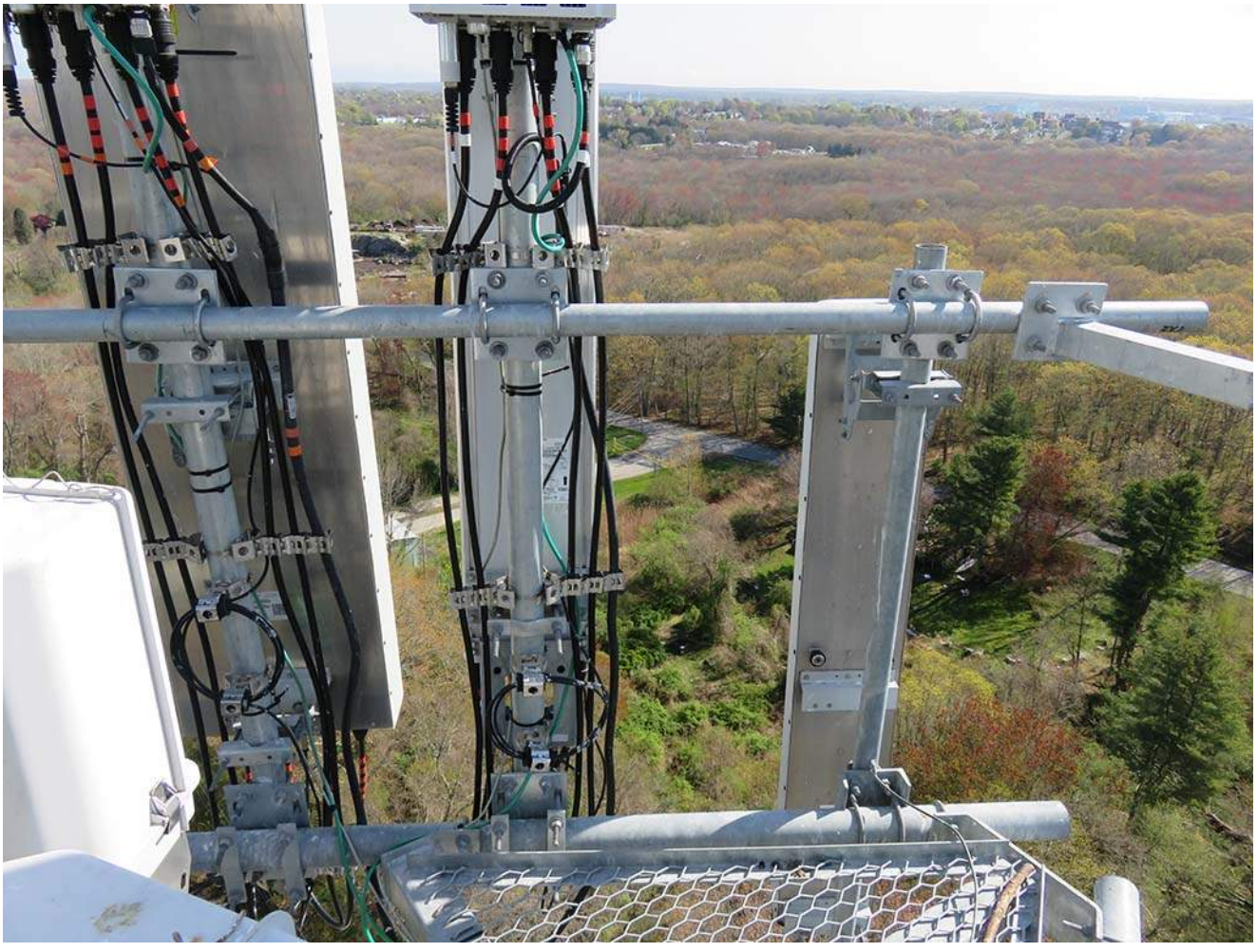
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	BT	05/11/20

SHEET TITLE:
VZWSMART-PLK7
MONOPOLE COLLAR
MOUNT ASSEMBLY

SHEET NUMBER:
VZWSMART-PLK7

REV #:
0





Updated on 3-03-2020

Antenna Mount Mapping Form (PATENT PENDING)

FCC # 1268713

Tower Owner:	American Tower Corp.	**Mapping Date:**	5/7/2020
Site Name:	NE WATERFORD SE CT	**Tower Type:**	Monopole
Site Number or ID:	469063	**Tower Height (Ft.):**	N/A
Mapping Contractor:	HighTower Solutions, Inc.	**Mount Elevation (Ft.):**	160'

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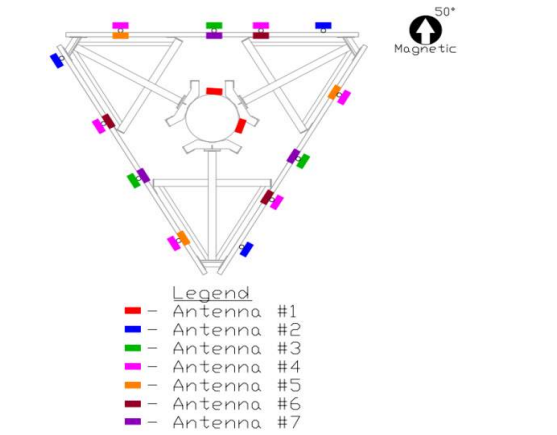
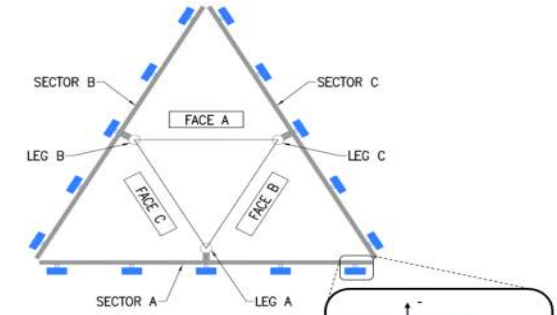
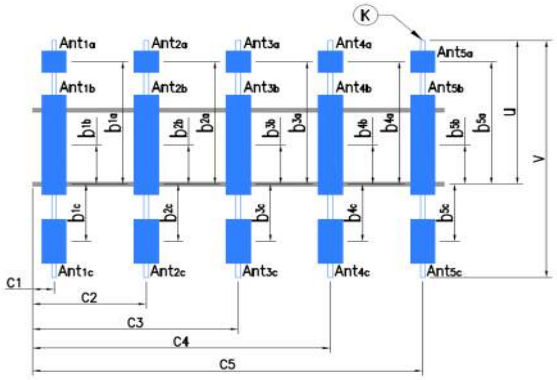






Antenna Layout

Mount Azimuth (Degree) for Each Sector and Climbing Information				
Sector A:	50.00		Deg	
Sector B:	170.00		Deg	
Sector C:	290.00		Deg	
Sector D:			Deg	
Climbing	270.00		Deg	N/A
Climbing Facility	Corrosion Type:			Good condition.
	Access:			Climbing path was obstructed.
	Condition:			N/A

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	7'T/2.38"Dia.Pipe x.15"	53.00	18.00	C1	7'T/2.38"Dia.Pipe x.15"	53.00	5.00
A2	9'T/2.88"Dia.Pipe x.18"	89.50	50.00	C2	9'T/2.88"Dia.Pipe x.18"	87.00	48.50
A3	9'T/2.88"Dia.Pipe x.18"	89.50	74.00	C3	9'T/2.88"Dia.Pipe x.18"	87.00	84.50
A4	9'T/2.88"Dia.Pipe x.18"	89.50	122.00	C4	9'T/2.88"Dia.Pipe x.18"	87.00	125.50
A5				C5			
A6				C6			
B1	7'T/2.38"Dia.Pipe x.15"	54.00	17.00	D1			
B2	9'T/2.88"Dia.Pipe x.18"	87.00	48.50	D2			
B3	9'T/2.88"Dia.Pipe x.18"	87.00	76.50	D3			
B4	9'T/2.88"Dia.Pipe x.18"	87.00	118.50	D4			
B5				D5			
B6				D6			

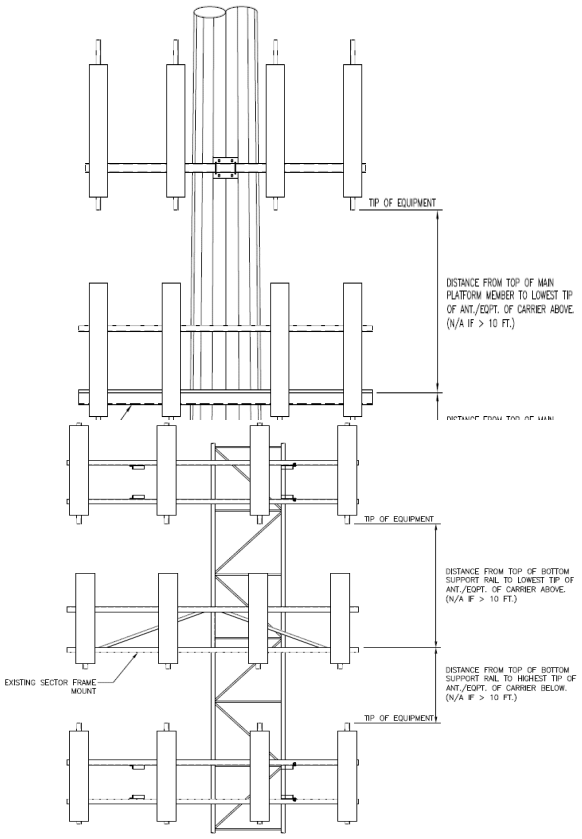
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.)	
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.)	

Please enter additional infomation or comments below.

There are (2) RFS Squids (RRFDC-3315-PF-48) mounted to the tower at 55° and 155° / Height - 162'6" to Base / Dimensions - 19"Tx16"Wx11"

Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	27.75

	Enter antenna model. If not labled, enter "Unknown".					Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (In.)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A									
Ant_{1a}									
Ant_{1b}	BXA-70063-6CF-EDIN-	11.25	5.25	70.50	N/A	12.00	11.50	50.00	3867
Ant_{1c}									
Ant_{2a}									
Ant_{2b}	HBXX-6517DS-A2M	12.00	6.50	75.00	(2) 1 1/4"	51.00	9.00	50.00	3877
Ant_{2c}	UHFA, B25 RRH 4x30	12.25	7.00	21.00	(2) 1 1/4"	78.00	-7.50		3889
Ant_{3a}									
Ant_{3b}	QUAD656C0000G	20.50	7.25	74.25	(2) 1 1/4"	41.00	10.00	50.00	3872
Ant_{3c}	B13 RRH 4x30	12.00	7.50	21.00	(2) 1 1/4"	78.00	-6.50		3893
Ant_{4a}									
Ant_{4b}	HBXX-6517DS-A2M	12.00	6.50	75.00	(2) 1 1/4"	52.00	9.00	50.00	3877
Ant_{4c}	UHIE, B66a RRH 4x45	11.75	7.25	25.50	(2) 1 1/4"	78.00	-7.50		3885
Ant_{5a}									
Ant_{5b}									
Ant_{5c}									
Sector B									
Ant_{1a}									
Ant_{1b}	BXA-70063-6CF-EDIN-	11.25	5.25	70.50	N/A	12.00	10.50	170.00	3867
Ant_{1c}									
Ant_{2a}									
Ant_{2b}	HBXX-6517DS-A2M	12.00	6.50	75.00	(2) 1 1/4"	51.00	9.50	170.00	3877
Ant_{2c}	UHFA, B25 RRH 4x30	12.25	7.00	21.00	(2) 1 1/4"	78.00	-7.50		3889
Ant_{3a}									
Ant_{3b}	QUAD656C0000G	20.50	7.25	74.25	(2) 1 1/4"	42.00	10.50	170.00	3872
Ant_{3c}	B13 RRH 4x30	12.00	7.50	21.00	(2) 1 1/4"	79.00	-7.00		3893
Ant_{4a}									
Ant_{4b}	HBXX-6517DS-A2M	12.00	6.50	75.00	(2) 1 1/4"	49.00	8.50	170.00	3877
Ant_{4c}	UHIE, B66a RRH 4x45	11.75	7.25	25.50	(2) 1 1/4"	76.00	-7.00		3885
Ant_{5a}									
Ant_{5b}									
Ant_{5c}									



Sector C									
Ant_{1a}									
Ant_{1b}	BXA-70063-6CF-EDIN-	11.25	5.25	70.50	N/A	12.00	11.00	290.00	3867
Ant_{1c}									
Ant_{2a}									
Ant_{2b}	HBXX-6517DS-A2M	12.00	6.50	75.00	(2) 1 1/4"	50.00	8.50	290.00	3877
Ant_{2c}	UHFA, B25 RRH 4x30	12.25	7.00	21.00	(2) 1 1/4"	76.00	-7.50		3889
Ant_{3a}									
Ant_{3b}	QUAD656C0000G	20.50	7.25	74.25	(2) 1 1/4"	42.00	10.50	290.00	3872
Ant_{3c}	B13 RRH 4x30	12.00	7.50	21.00	(2) 1 1/4"	78.00	-7.00		3893
Ant_{4a}									
Ant_{4b}	HBXX-6517DS-A2M	12.00	6.50	75.00	(2) 1 1/4"	49.00	9.00	290.00	3877
Ant_{4c}	UHIE, B66a RRH 4x45	11.75	7.25	25.50	(2) 1 1/4"	76.00	-7.50		3885
Ant_{5a}									
Ant_{5b}									
Ant_{5c}									

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}									

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

Mapping Notes

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

Standard Conditions

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

Updated on 3-03-2020

Antenna Mount Mapping Form (PATENT PENDING)

FCC # 1268713

Tower Owner:	American Tower Corp.	**Mapping Date:**	5/7/2020
Site Name:	NE WATERFORD SE CT	**Tower Type:**	Monopole
Site Number or ID:	469063	**Tower Height (Ft.):**	N/A
Mapping Contractor:	HighTower Solutions, Inc.	**Mount Elevation (Ft.):**	160'

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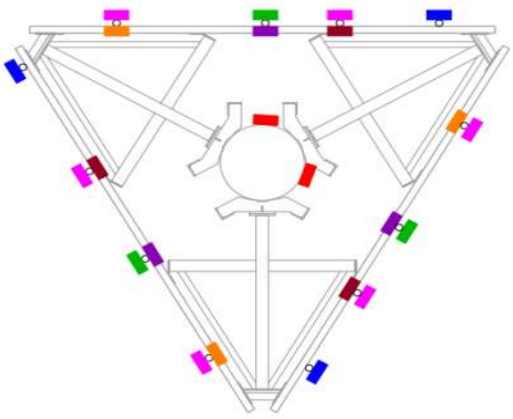
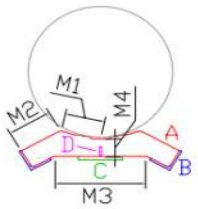
Please Insert Sketches of the Antenna Mount

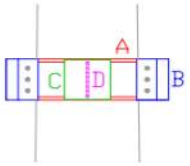


Legend
- Antenna #1
- Antenna #2
- Antenna #3
- Antenna #4
- Antenna #5
- Antenna #6
- Antenna #7

Plan View

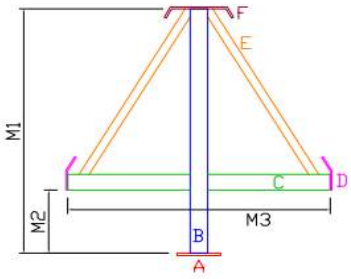


Front Elevation

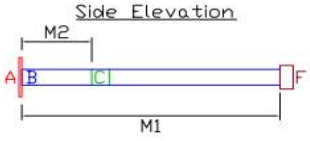


A	.62" Flat	Welded
B	8.50"T/4"x4"x.38" Angle	3-.62" All Thread
C	8.25"Tx8.50"Wx.75" Flat	Welded
D	8.25"Tx2"Wx.38" Flat	Welded
M1	6.75"	
M2	7.50"	
M3	16.50"	
M4	3.25"	
	Measurement of Gap at All Thread	15"

Plan View



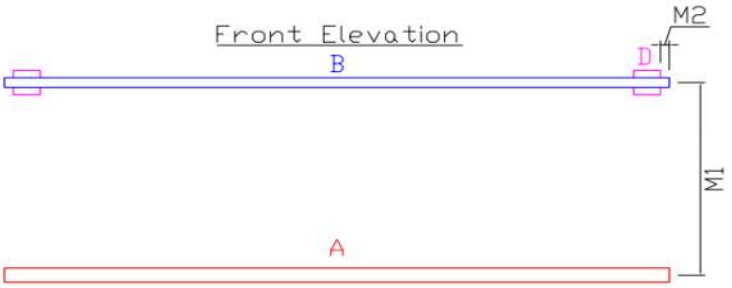
Side Elevation



Plan View "D"

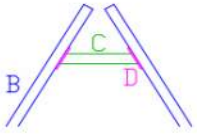
Plan View "F"

Front Elevation



A	8"Tx8"Wx.75"Flat	4-.62"
B	5'2"L/4"Sq.Tube x.237"	Welded
C	2'4.50"L/4"Sq.Tube x.237"	Welded
D	6"Tx.38"	Welded
E	4'4"L/2"x2"x.25" Angle	Welded
F	6"Tx.50"	Welded
M1	5'2"	
M2	16"	
M3	5'1"	
M4	5.25"	
M5	3.50"	
M6	12.75"	
M7	3.25"	

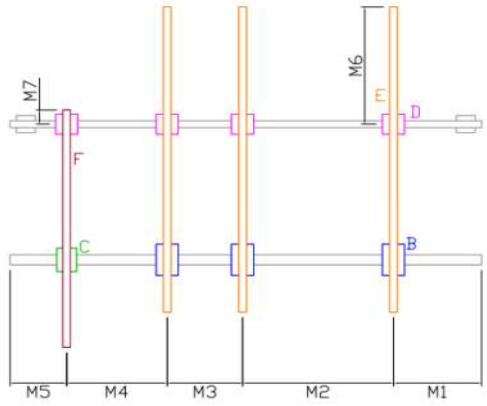
Plan View



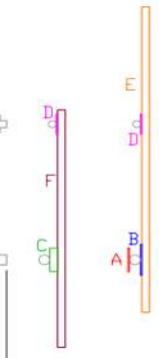
A	12'6"L/3.50"Dia.Pipe x.20"	1-.50" U-Bolt
B	12'6.25"L/2.38"Dia.Pipe x.15"	2-.50" U-Bolt
C	15.50"L/2.50"x2.50"x.22" Angle	Welded
D	6"Tx6"Wx.38"Flat	2-.50" U-Bolt
M1	4'	
M2	2"	

Please Insert Sketches of the Antenna Mount, cont'd

Front Elevation
Alpha

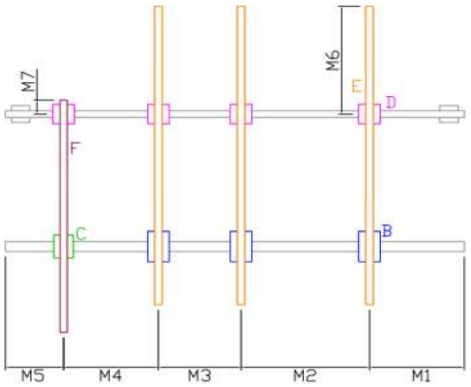


Side Elevation

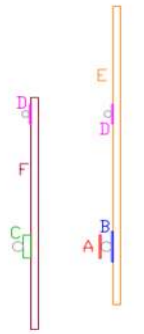


A	8.50"Tx1.50"Wx.38"Flat	2-.50" All Thread
B	11"Tx7"Wx.38" Flat	Sharing A
C	8.25"T/2.50"x6.25"x.32" Channel	2-.50" U-Bolt
D	7"Tx7"Wx.38"Flat	2-.50" U-Bolt
E	9"T/2.88"Dia.Pipe x.18"	2-.50" U-Bolt
F	7"T/2.38"Dia.Pipe x.15"	2-.50" U-Bolt
M1	2'4"	
M2	4'	
M3	2'	
M4	2'8"	
M5	1'6"	
M6	3'5.50"	
M7	5"	

Front Elevation
Beta

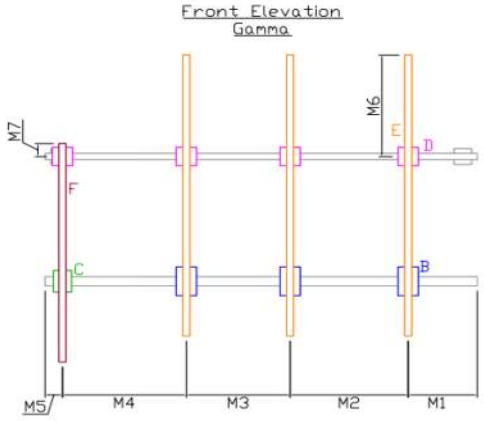


Side Elevation

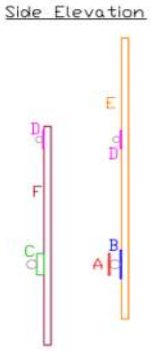


A	8.50"Tx1.50"Wx.38"Flat	2-.50" All Thread
B	11"Tx7"Wx.38" Flat	Sharing A
C	8.25"T/2.50"x6.25"x.32" Channel	2-.50" U-Bolt
D	7"Tx7"Wx.38"Flat	2-.50" U-Bolt
E	9"T/2.88"Dia.Pipe x.18"	2-.50" U-Bolt
F	7"T/2.38"Dia.Pipe x.15"	2-.50" U-Bolt
M1	2'7.5"	
M2	3'6"	
M3	2'4"	
M4	2'7.5"	
M5	1'5"	
M6	3'3"	
M7	6"	

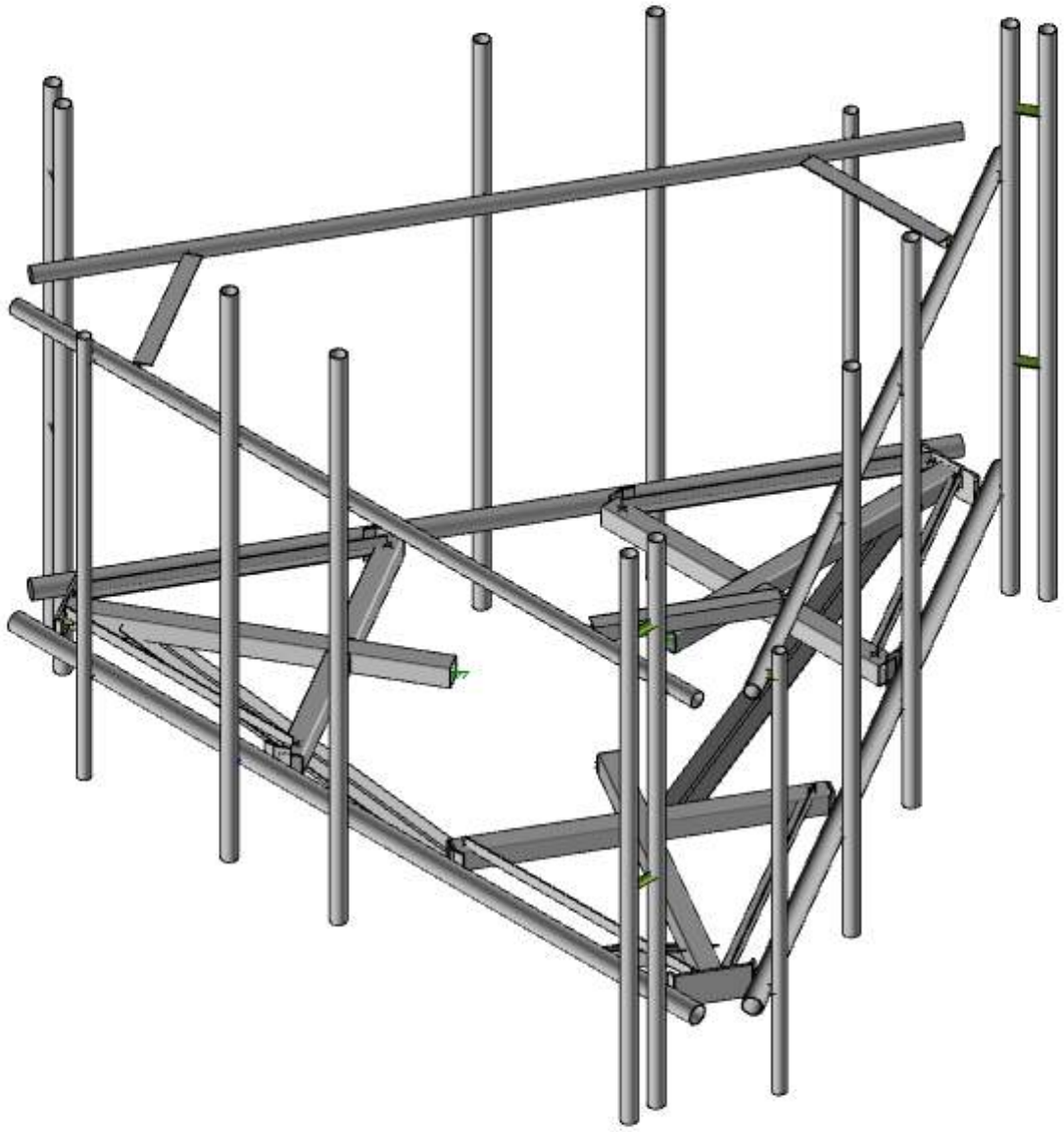
Front Elevation
Gamma



Side Elevation

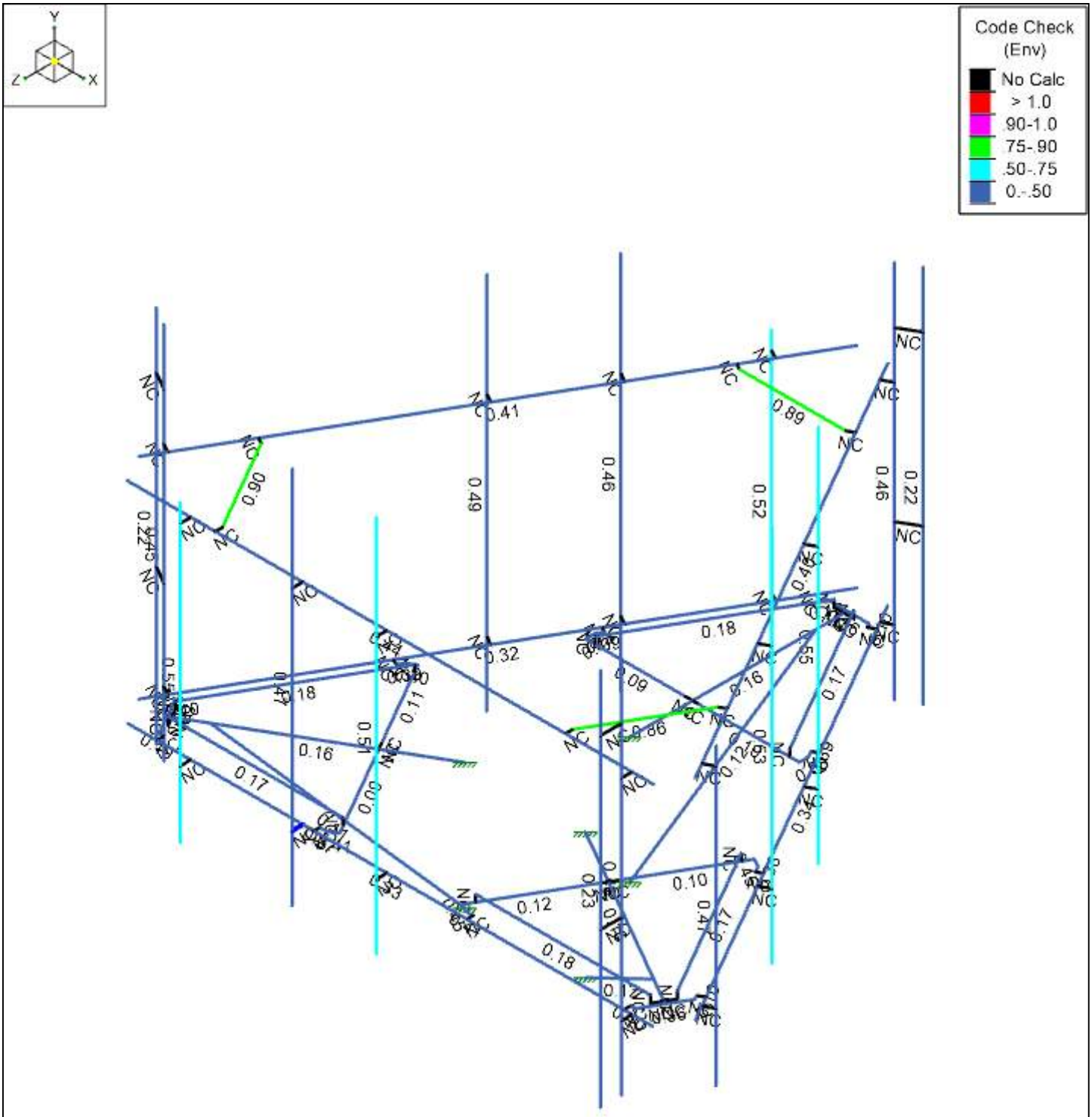


A	8.50"Tx1.50"Wx.38"Flat	2-.50" All Thread
B	11"Tx7"Wx.38" Flat	Sharing A
C	8.25"T/2.50"x6.25"x.32" Channel	2-.50" U-Bolt
D	7"Tx7"Wx.38"Flat	2-.50" U-Bolt
E	9"T/2.88"Dia.Pipe x.18"	2-.50" U-Bolt
F	7"T/2.38"Dia.Pipe x.15"	2-.50" U-Bolt
M1	2'.5"	
M2	3'5"	
M3	3'	
M4	3'7.5"	
M5	5"	
M6	3'3"	
M7	5"	



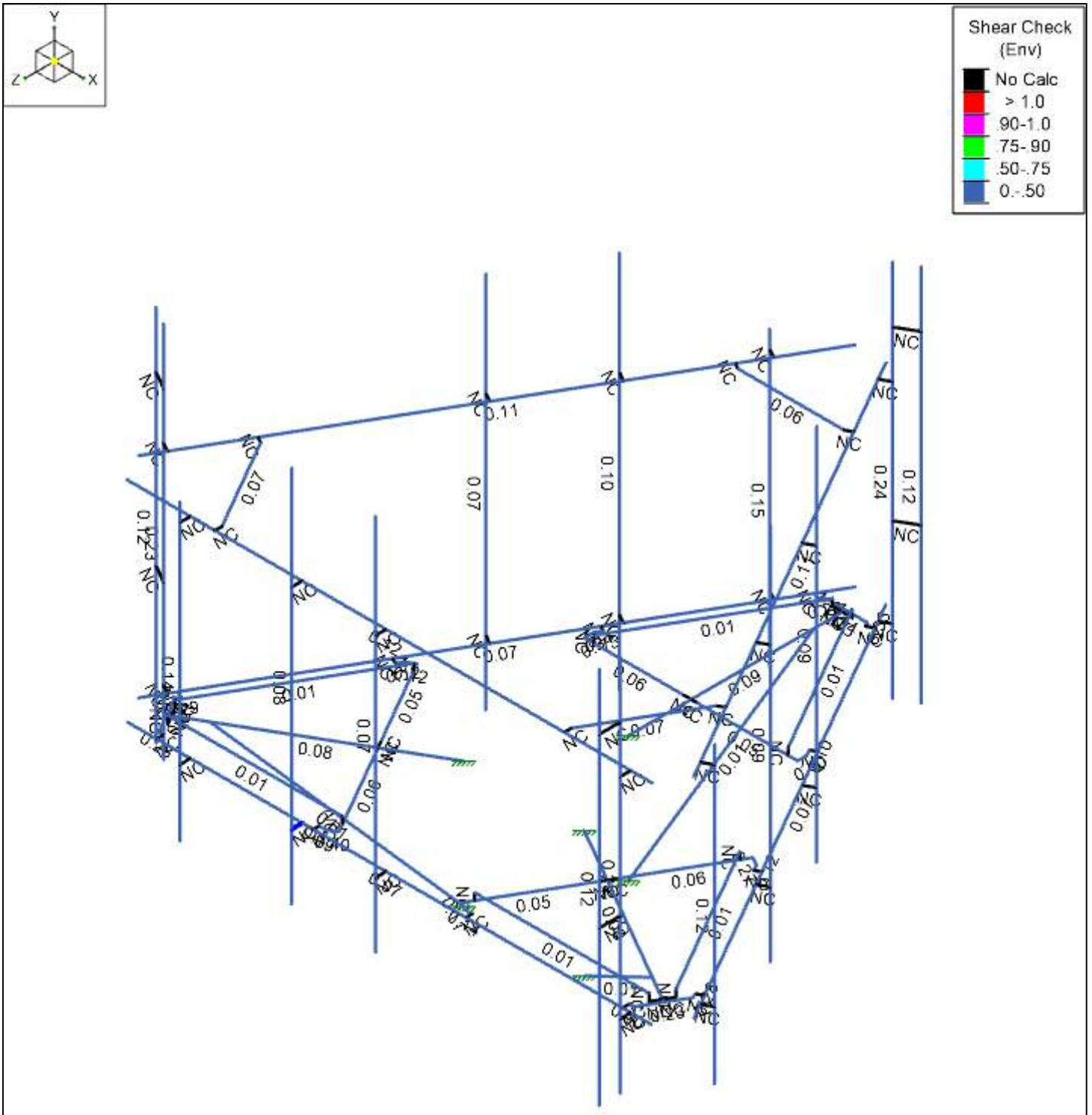
Envelope Only Solution

		SK-1
		Nov 02, 2023
		5000094194-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

		SK-2
		Nov 02, 2023
		5000094194-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

		SK-3
		Nov 02, 2023
		5000094194-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Point	Distributed	Area(Member)
1	Antenna D	None				81		
2	Antenna Di	None				81		
3	Antenna Wo (0 Deg)	None				81		
4	Antenna Wo (30 Deg)	None				81		
5	Antenna Wo (60 Deg)	None				81		
6	Antenna Wo (90 Deg)	None				81		
7	Antenna Wo (120 Deg)	None				81		
8	Antenna Wo (150 Deg)	None				81		
9	Antenna Wo (180 Deg)	None				81		
10	Antenna Wo (210 Deg)	None				81		
11	Antenna Wo (240 Deg)	None				81		
12	Antenna Wo (270 Deg)	None				81		
13	Antenna Wo (300 Deg)	None				81		
14	Antenna Wo (330 Deg)	None				81		
15	Antenna Wi (0 Deg)	None				81		
16	Antenna Wi (30 Deg)	None				81		
17	Antenna Wi (60 Deg)	None				81		
18	Antenna Wi (90 Deg)	None				81		
19	Antenna Wi (120 Deg)	None				81		
20	Antenna Wi (150 Deg)	None				81		
21	Antenna Wi (180 Deg)	None				81		
22	Antenna Wi (210 Deg)	None				81		
23	Antenna Wi (240 Deg)	None				81		
24	Antenna Wi (270 Deg)	None				81		
25	Antenna Wi (300 Deg)	None				81		
26	Antenna Wi (330 Deg)	None				81		
27	Antenna Wm (0 Deg)	None				81		
28	Antenna Wm (30 Deg)	None				81		
29	Antenna Wm (60 Deg)	None				81		
30	Antenna Wm (90 Deg)	None				81		
31	Antenna Wm (120 Deg)	None				81		
32	Antenna Wm (150 Deg)	None				81		
33	Antenna Wm (180 Deg)	None				81		
34	Antenna Wm (210 Deg)	None				81		
35	Antenna Wm (240 Deg)	None				81		
36	Antenna Wm (270 Deg)	None				81		
37	Antenna Wm (300 Deg)	None				81		
38	Antenna Wm (330 Deg)	None				81		
39	Structure D	None		-1				3
40	Structure Di	None					63	3
41	Structure Wo (0 Deg)	None					126	
42	Structure Wo (30 Deg)	None					126	
43	Structure Wo (60 Deg)	None					126	
44	Structure Wo (90 Deg)	None					126	
45	Structure Wo (120 Deg)	None					126	
46	Structure Wo (150 Deg)	None					126	
47	Structure Wo (180 Deg)	None					126	
48	Structure Wo (210 Deg)	None					126	
49	Structure Wo (240 Deg)	None					126	
50	Structure Wo (270 Deg)	None					126	
51	Structure Wo (300 Deg)	None					126	
52	Structure Wo (330 Deg)	None					126	
53	Structure Wi (0 Deg)	None					126	
54	Structure Wi (30 Deg)	None					126	
55	Structure Wi (60 Deg)	None					126	

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Point	Distributed	Area(Member)
56	Structure Wi (90 Deg)	None					126	
57	Structure Wi (120 Deg)	None					126	
58	Structure Wi (150 Deg)	None					126	
59	Structure Wi (180 Deg)	None					126	
60	Structure Wi (210 Deg)	None					126	
61	Structure Wi (240 Deg)	None					126	
62	Structure Wi (270 Deg)	None					126	
63	Structure Wi (300 Deg)	None					126	
64	Structure Wi (330 Deg)	None					126	
65	Structure Wm (0 Deg)	None					126	
66	Structure Wm (30 Deg)	None					126	
67	Structure Wm (60 Deg)	None					126	
68	Structure Wm (90 Deg)	None					126	
69	Structure Wm (120 Deg)	None					126	
70	Structure Wm (150 Deg)	None					126	
71	Structure Wm (180 Deg)	None					126	
72	Structure Wm (210 Deg)	None					126	
73	Structure Wm (240 Deg)	None					126	
74	Structure Wm (270 Deg)	None					126	
75	Structure Wm (300 Deg)	None					126	
76	Structure Wm (330 Deg)	None					126	
77	Lm1	None				1		
78	Lm2	None				1		
79	Lv1	None				1		
80	Lv2	None				1		
81	Antenna Ev	None				81		
82	Antenna Eh (0 Deg)	None				54		
83	Antenna Eh (90 Deg)	None				54		
84	Structure Ev	ELY		-0.041				3
85	Structure Eh (0 Deg)	ELZ			-0.103			3
86	Structure Eh (90 Deg)	ELX	0.103					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	P-Delta	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor
1	1.2D+1.0Wo (0 Deg)	Yes	Y	1	1.2	39	1.2	3	1	41	1								
2	1.2D+1.0Wo (30 Deg)	Yes	Y	1	1.2	39	1.2	4	1	42	1								
3	1.2D+1.0Wo (60 Deg)	Yes	Y	1	1.2	39	1.2	5	1	43	1								
4	1.2D+1.0Wo (90 Deg)	Yes	Y	1	1.2	39	1.2	6	1	44	1								
5	1.2D+1.0Wo (120 Deg)	Yes	Y	1	1.2	39	1.2	7	1	45	1								
6	1.2D+1.0Wo (150 Deg)	Yes	Y	1	1.2	39	1.2	8	1	46	1								
7	1.2D+1.0Wo (180 Deg)	Yes	Y	1	1.2	39	1.2	9	1	47	1								
8	1.2D+1.0Wo (210 Deg)	Yes	Y	1	1.2	39	1.2	10	1	48	1								
9	1.2D+1.0Wo (240 Deg)	Yes	Y	1	1.2	39	1.2	11	1	49	1								
10	1.2D+1.0Wo (270 Deg)	Yes	Y	1	1.2	39	1.2	12	1	50	1								
11	1.2D+1.0Wo (300 Deg)	Yes	Y	1	1.2	39	1.2	13	1	51	1								
12	1.2D+1.0Wo (330 Deg)	Yes	Y	1	1.2	39	1.2	14	1	52	1								
13	1.2D + 1.0Di + 1.0Wi (0 Deg)	Yes	Y	1	1.2	39	1.2	2	1	40	1	15	1	53	1				
14	1.2D + 1.0Di + 1.0Wi (30 Deg)	Yes	Y	1	1.2	39	1.2	2	1	40	1	16	1	54	1				
15	1.2D + 1.0Di + 1.0Wi (60 Deg)	Yes	Y	1	1.2	39	1.2	2	1	40	1	17	1	55	1				
16	1.2D + 1.0Di + 1.0Wi (90 Deg)	Yes	Y	1	1.2	39	1.2	2	1	40	1	18	1	56	1				

Load Combinations (Continued)

	Description	Solve	P-Delta	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor
17	1.2D + 1.0Di + 1.0Wi (120 Deg)	Yes	Y	1	1.2	39	1.2	2	1	40	1	19	1	57	1				
18	1.2D + 1.0Di + 1.0Wi (150 Deg)	Yes	Y	1	1.2	39	1.2	2	1	40	1	20	1	58	1				
19	1.2D + 1.0Di + 1.0Wi (180 Deg)	Yes	Y	1	1.2	39	1.2	2	1	40	1	21	1	59	1				
20	1.2D + 1.0Di + 1.0Wi (210 Deg)	Yes	Y	1	1.2	39	1.2	2	1	40	1	22	1	60	1				
21	1.2D + 1.0Di + 1.0Wi (240 Deg)	Yes	Y	1	1.2	39	1.2	2	1	40	1	23	1	61	1				
22	1.2D + 1.0Di + 1.0Wi (270 Deg)	Yes	Y	1	1.2	39	1.2	2	1	40	1	24	1	62	1				
23	1.2D + 1.0Di + 1.0Wi (300 Deg)	Yes	Y	1	1.2	39	1.2	2	1	40	1	25	1	63	1				
24	1.2D + 1.0Di + 1.0Wi (330 Deg)	Yes	Y	1	1.2	39	1.2	2	1	40	1	26	1	64	1				
25	1.2D + 1.5Lm1 + 1.0Wm (0 Deg)	Yes	Y	1	1.2	39	1.2	77	1.5	27	1	65	1						
26	1.2D + 1.5Lm1 + 1.0Wm (30 Deg)	Yes	Y	1	1.2	39	1.2	77	1.5	28	1	66	1						
27	1.2D + 1.5Lm1 + 1.0Wm (60 Deg)	Yes	Y	1	1.2	39	1.2	77	1.5	29	1	67	1						
28	1.2D + 1.5Lm1 + 1.0Wm (90 Deg)	Yes	Y	1	1.2	39	1.2	77	1.5	30	1	68	1						
29	1.2D + 1.5Lm1 + 1.0Wm (120 Deg)	Yes	Y	1	1.2	39	1.2	77	1.5	31	1	69	1						
30	1.2D + 1.5Lm1 + 1.0Wm (150 Deg)	Yes	Y	1	1.2	39	1.2	77	1.5	32	1	70	1						
31	1.2D + 1.5Lm1 + 1.0Wm (180 Deg)	Yes	Y	1	1.2	39	1.2	77	1.5	33	1	71	1						
32	1.2D + 1.5Lm1 + 1.0Wm (210 Deg)	Yes	Y	1	1.2	39	1.2	77	1.5	34	1	72	1						
33	1.2D + 1.5Lm1 + 1.0Wm (240 Deg)	Yes	Y	1	1.2	39	1.2	77	1.5	35	1	73	1						
34	1.2D + 1.5Lm1 + 1.0Wm (270 Deg)	Yes	Y	1	1.2	39	1.2	77	1.5	36	1	74	1						
35	1.2D + 1.5Lm1 + 1.0Wm (300 Deg)	Yes	Y	1	1.2	39	1.2	77	1.5	37	1	75	1						
36	1.2D + 1.5Lm1 + 1.0Wm (330 Deg)	Yes	Y	1	1.2	39	1.2	77	1.5	38	1	76	1						
37	1.2D + 1.5Lm2 + 1.0Wm (0 Deg)	Yes	Y	1	1.2	39	1.2	78	1.5	27	1	65	1						
38	1.2D + 1.5Lm2 + 1.0Wm (30 Deg)	Yes	Y	1	1.2	39	1.2	78	1.5	28	1	66	1						
39	1.2D + 1.5Lm2 + 1.0Wm (60 Deg)	Yes	Y	1	1.2	39	1.2	78	1.5	29	1	67	1						
40	1.2D + 1.5Lm2 + 1.0Wm (90 Deg)	Yes	Y	1	1.2	39	1.2	78	1.5	30	1	68	1						
41	1.2D + 1.5Lm2 + 1.0Wm (120 Deg)	Yes	Y	1	1.2	39	1.2	78	1.5	31	1	69	1						
42	1.2D + 1.5Lm2 + 1.0Wm (150 Deg)	Yes	Y	1	1.2	39	1.2	78	1.5	32	1	70	1						
43	1.2D + 1.5Lm2 + 1.0Wm (180 Deg)	Yes	Y	1	1.2	39	1.2	78	1.5	33	1	71	1						
44	1.2D + 1.5Lm2 + 1.0Wm (210 Deg)	Yes	Y	1	1.2	39	1.2	78	1.5	34	1	72	1						
45	1.2D + 1.5Lm2 + 1.0Wm (240 Deg)	Yes	Y	1	1.2	39	1.2	78	1.5	35	1	73	1						
46	1.2D + 1.5Lm2 + 1.0Wm (270 Deg)	Yes	Y	1	1.2	39	1.2	78	1.5	36	1	74	1						
47	1.2D + 1.5Lm2 + 1.0Wm (300 Deg)	Yes	Y	1	1.2	39	1.2	78	1.5	37	1	75	1						
48	1.2D + 1.5Lm2 + 1.0Wm (330 Deg)	Yes	Y	1	1.2	39	1.2	78	1.5	38	1	76	1						
49	1.2D + 1.5Lv1	Yes	Y	1	1.2	39	1.2	79	1.5										
50	1.2D + 1.5Lv2	Yes	Y	1	1.2	39	1.2	80	1.5										
51	1.4D	Yes	Y	1	1.4	39	1.4												
52	1.2D + 1.0Ev + 1.0Eh (0 Deg)	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	1	83		ELZ	1	ELX	
53	1.2D + 1.0Ev + 1.0Eh (30 Deg)	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	0.866	83	0.5	ELZ	0.866	ELX	0.5
54	1.2D + 1.0Ev + 1.0Eh (60 Deg)	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	0.5	83	0.866	ELZ	0.5	ELX	0.866
55	1.2D + 1.0Ev + 1.0Eh (90 Deg)	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82		83	1	ELZ		ELX	1
56	1.2D + 1.0Ev + 1.0Eh (120 Deg)	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	-0.5	83	0.866	ELZ	-0.5	ELX	0.866
57	1.2D + 1.0Ev + 1.0Eh (150 Deg)	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	-0.866	83	0.5	ELZ	-0.866	ELX	0.5
58	1.2D + 1.0Ev + 1.0Eh (180 Deg)	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	-1	83		ELZ	-1	ELX	
59	1.2D + 1.0Ev + 1.0Eh (210 Deg)	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	-0.866	83	-0.5	ELZ	-0.866	ELX	-0.5
60	1.2D + 1.0Ev + 1.0Eh (240 Deg)	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	-0.5	83	-0.866	ELZ	-0.5	ELX	-0.866
61	1.2D + 1.0Ev + 1.0Eh (270 Deg)	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82		83	-1	ELZ		ELX	-1
62	1.2D + 1.0Ev + 1.0Eh (300 Deg)	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	0.5	83	-0.866	ELZ	0.5	ELX	-0.866
63	1.2D + 1.0Ev + 1.0Eh (330 Deg)	Yes	Y	1	1.2	39	1.2	81	1	ELY	1	82	0.866	83	-0.5	ELZ	0.866	ELX	-0.5
64	0.9D - 1.0Ev + 1.0Eh (0 Deg)	Yes	Y	1	0.9	39	0.9	81	-1	ELY	-1	82	1	83		ELZ	1	ELX	
65	0.9D - 1.0Ev + 1.0Eh (30 Deg)	Yes	Y	1	0.9	39	0.9	81	-1	ELY	-1	82	0.866	83	0.5	ELZ	0.866	ELX	0.5
66	0.9D - 1.0Ev + 1.0Eh (60 Deg)	Yes	Y	1	0.9	39	0.9	81	-1	ELY	-1	82	0.5	83	0.866	ELZ	0.5	ELX	0.866
67	0.9D - 1.0Ev + 1.0Eh (90 Deg)	Yes	Y	1	0.9	39	0.9	81	-1	ELY	-1	82		83	1	ELZ		ELX	1
68	0.9D - 1.0Ev + 1.0Eh (120 Deg)	Yes	Y	1	0.9	39	0.9	81	-1	ELY	-1	82	-0.5	83	0.866	ELZ	-0.5	ELX	0.866
69	0.9D - 1.0Ev + 1.0Eh (150 Deg)	Yes	Y	1	0.9	39	0.9	81	-1	ELY	-1	82	-0.866	83	0.5	ELZ	-0.866	ELX	0.5
70	0.9D - 1.0Ev + 1.0Eh (180 Deg)	Yes	Y	1	0.9	39	0.9	81	-1	ELY	-1	82	-1	83		ELZ	-1	ELX	
71	0.9D - 1.0Ev + 1.0Eh (210 Deg)	Yes	Y	1	0.9	39	0.9	81	-1	ELY	-1	82	-0.866	83	-0.5	ELZ	-0.866	ELX	-0.5

Load Combinations (Continued)

	Description	Solve	P-Delta	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor
72	0.9D - 1.0Ev + 1.0Eh (240 Deg)	Yes	Y	1	0.9	39	0.9	81	-1	ELY	-1	82	-0.5	83	-0.866	ELZ	-0.5	ELX	-0.866
73	0.9D - 1.0Ev + 1.0Eh (270 Deg)	Yes	Y	1	0.9	39	0.9	81	-1	ELY	-1	82		83	-1	ELZ		ELX	-1
74	0.9D - 1.0Ev + 1.0Eh (300 Deg)	Yes	Y	1	0.9	39	0.9	81	-1	ELY	-1	82	0.5	83	-0.866	ELZ	0.5	ELX	-0.866
75	0.9D - 1.0Ev + 1.0Eh (330 Deg)	Yes	Y	1	0.9	39	0.9	81	-1	ELY	-1	82	0.866	83	-0.5	ELZ	0.866	ELX	-0.5

Node Coordinates

	Label	X [ft]	Y [ft]	Z [ft]	Detach From Diaphragm
1	N1	6.25	0	4.034498	
2	N2	-6.25	0	4.034498	
3	N3	0	0	-1.656291	
4	N5	-2.541667	0	-3.156291	
5	N6	2.315104	0.166667	-3.156291	
6	N7	-2.315104	0.166667	-3.156291	
7	N8	5.75	0	4.034498	
8	N9	5.75	0	4.284498	
9	N10	-4.75	0	4.034498	
10	N11	-4.75	0	4.284498	
11	N12	-0.083667	0	4.034498	
12	N13	-0.083667	0	4.284498	
13	N14	-2.0833	0	4.034498	
14	N15	-2.0833	0	4.284498	
15	N16	-2.0833	-1.54167	4.284498	
16	N17	-2.0833	7.45833	4.284498	
17	N18	-4.75	-1.583	4.284498	
18	N19	-4.75	5.417	4.284498	
19	N20	-0.083667	-1.54167	4.284498	
20	N21	-0.083667	7.45833	4.284498	
21	N22	5.75	-1.54167	4.784498	
22	N23	5.75	7.45833	4.784498	
23	N24	0	0	-3.156291	
24	N27	0	0	-6.843791	
25	CP	0	0	0	
26	N29	2.315104	0	-3.156291	
27	N30	-2.315104	0	-3.156291	
28	N101	2.541667	0	-3.156291	
29	N102	-0.166667	0	-3.156291	
30	N103A	0.166667	0	-3.156291	
31	N104A	-2.541667	0	-3.375041	
32	N105	2.541667	0	-3.375041	
33	N131	2.458333	0	-3.519379	
34	N135	0.571615	0	-6.746815	
35	N144	-2.458333	0	-3.519379	
36	N148	-0.571615	0	-6.746815	
37	N86A	2.584629	0	-3.592296	
38	N86B	-2.584629	0	-3.592296	
39	N86C	-0.515625	0	-6.843791	
40	N87A	0.515625	0	-6.843791	
41	N86D	0.715429	0	-6.829846	
42	N86E	-0.715429	0	-6.829846	
43	N88A	0	0	-6.760458	
44	N87C	0.234238	0.166667	-6.760458	
45	N86G	0.234238	0	-6.760458	
46	N87B	-0.234238	0.166667	-6.760458	
47	N88C	-0.234238	0	-6.760458	
48	N52	-1.43439	0	0.828146	

Node Coordinates (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Detach From Diaphragm
49	N53	-1.462595	0	3.779294	
50	N54	-3.890981	0.166667	-0.426793	
51	N55	-1.575876	0.166667	3.583085	
52	N56	-2.733428	0	1.578146	
53	N57	-5.926897	0	3.421896	
54	N59	-3.890981	0	-0.426793	
55	N60	-1.575876	0	3.583085	
56	N61	-4.004262	0	-0.623002	
57	N62	-2.650095	0	1.722483	
58	N63	-2.816762	0	1.433808	
59	N64	-1.652038	0	3.888669	
60	N65	-4.193705	0	-0.513627	
61	N66	-4.277038	0	-0.36929	
62	N67	-6.12872	0	2.878375	
63	N68	-1.818705	0	3.888669	
64	N69	-5.557105	0	3.86844	
65	N70	-4.403334	0	-0.442206	
66	N71	-1.818705	0	4.034502	
67	N72	-5.669085	0	3.86844	
68	N73	-6.18471	0	2.975351	
69	N74	-6.272534	0	2.795343	
70	N75	-5.557105	0	4.034502	
71	N76	-5.854728	0	3.380229	
72	N77	-5.971847	0.166667	3.177373	
73	N78	-5.971847	0	3.177373	
74	N79	-5.73761	0.166667	3.583085	
75	N80	-5.73761	0	3.583085	
76	N81	1.43439	0	0.828146	
77	N82	4.004262	0	-0.623002	
78	N83	1.575876	0.166667	3.583085	
79	N84	3.890981	0.166667	-0.426793	
80	N85	2.733428	0	1.578146	
81	N86	5.926897	0	3.421896	
82	N88	1.575876	0	3.583085	
83	N89	3.890981	0	-0.426793	
84	N90	1.462595	0	3.779294	
85	N91	2.816762	0	1.433808	
86	N92	2.650095	0	1.722483	
87	N93	4.193705	0	-0.513627	
88	N94	1.652038	0	3.888669	
89	N95	1.818705	0	3.888669	
90	N96	5.557105	0	3.86844	
91	N97	4.277038	0	-0.36929	
92	N98	6.12872	0	2.878375	
93	N99	1.818705	0	4.034502	
94	N100	4.403334	0	-0.442207	
95	N101A	6.18471	0	2.975351	
96	N102A	5.669085	0	3.86844	
97	N103	5.557105	0	4.034502	
98	N104	6.272534	0	2.795343	
99	N105A	5.854728	0	3.380229	
100	N106	5.73761	0.166667	3.583085	
101	N107	5.73761	0	3.583085	
102	N108	5.971847	0.166667	3.177373	
103	N109	5.971847	0	3.177373	

Node Coordinates (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Detach From Diaphragm
104	N104B	0.368978	0	-7.429908	
105	N105B	6.618978	0	3.39541	
106	N108A	6.410478	0	3.034277	
107	N109A	6.626984	0	2.909277	
108	N110	3.098043	0	-2.703029	
109	N111	3.314549	0	-2.828029	
110	N112	4.598128	0	-0.104805	
111	N113	4.814634	0	-0.229805	
112	N114	4.814634	-1.54167	-0.229805	
113	N115	4.814634	7.45833	-0.229805	
114	N116	6.626984	-1.583	2.909277	
115	N117	6.626984	5.417	2.909277	
116	N118	3.314549	-1.54167	-2.828029	
117	N119	3.314549	7.45833	-2.828029	
118	N123	-6.618978	0	3.39541	
119	N124	-0.368978	0	-7.429908	
120	N127	-1.077478	0	-6.20275	
121	N128	-1.293984	0	-6.32775	
122	N129	-3.55633	0	-1.909253	
123	N130	-3.772836	0	-2.034253	
124	N131A	-2.389828	0	-3.929693	
125	N132	-2.606334	0	-4.054693	
126	N133	-2.606334	-1.54167	-4.054693	
127	N134	-2.606334	7.45833	-4.054693	
128	N135A	-1.293984	-1.583	-6.32775	
129	N136	-1.293984	5.417	-6.32775	
130	N137	-3.772836	-1.54167	-2.034253	
131	N138	-3.772836	7.45833	-2.034253	
132	N140A	6.25	5	4.034498	
133	N141	-6.25	5	4.034498	
134	N142	5.75	5	4.034498	
135	N143	5.75	5	4.284498	
136	N144A	-4.75	5	4.034498	
137	N145	-4.75	5	4.284498	
138	N146	-0.083667	5	4.034498	
139	N147	-0.083667	5	4.284498	
140	N148A	-2.0833	5	4.034498	
141	N149	-2.0833	5	4.284498	
142	N151	0.368978	5	-7.429908	
143	N152	6.618978	5	3.39541	
144	N155	6.410478	5	3.034277	
145	N156	6.626984	5	2.909277	
146	N157	3.098043	5	-2.703029	
147	N158	3.314549	5	-2.828029	
148	N159	4.598128	5	-0.104805	
149	N160	4.814634	5	-0.229805	
150	N162	-6.618978	5	3.39541	
151	N163	-0.368978	5	-7.429908	
152	N166	-1.077478	5	-6.20275	
153	N167	-1.293984	5	-6.32775	
154	N168	-3.55633	5	-1.909253	
155	N169	-3.772836	5	-2.034253	
156	N170	-2.389828	5	-3.929693	
157	N171	-2.606334	5	-4.054693	
158	N170A	-4.166667	5	4.034498	

Node Coordinates (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Detach From Diaphragm
159	N171A	4.166667	5	4.034498	
160	N172	-4.166667	5	3.867498	
161	N173	4.166667	5	3.867498	
162	N182A	0	0	-6.093791	
163	N183A	0	-3	-1.656291	
164	N185	-5.277378	0	3.046896	
165	N186	-1.43439	-3	0.828146	
166	N188	5.277378	0	3.046896	
167	N189	1.43439	-3	0.828146	
168	N174	5.577311	5	1.59119	
169	N175	5.432685	5	1.67469	
170	N176	1.266018	5	-5.542188	
171	N177	1.410645	5	-5.625688	
172	N178	-1.410645	5	-5.625688	
173	N179	-1.266018	5	-5.542188	
174	N180	-5.432685	5	1.67469	
175	N181	-5.577311	5	1.59119	
176	N182	5.75	7.45833	4.284498	
177	N183	5.75	-1.54167	4.284498	
178	N184	5.75	6.124997	4.784498	
179	N187	5.75	6.124997	4.284498	
180	N190	5.75	2.124997	4.784498	
181	N191	5.75	2.124997	4.284498	
182	N192	0.835484	5	-7.121895	
183	N193	1.268497	-1.54167	-7.371895	
184	N194	0.835484	2.124997	-7.121895	
185	N195	0.618978	0	-6.996895	
186	N196	0.835484	0	-7.121895	
187	N197	0.618978	5	-6.996895	
188	N198	1.268497	7.45833	-7.371895	
189	N199	0.835484	7.45833	-7.121895	
190	N200	0.835484	-1.54167	-7.121895	
191	N201	1.268497	6.124997	-7.371895	
192	N202	0.835484	6.124997	-7.121895	
193	N203	1.268497	2.124997	-7.371895	
194	N204	-6.585484	5	2.837397	
195	N205	-7.018497	-1.54167	2.587397	
196	N206	-6.585484	2.124997	2.837397	
197	N207	-6.368978	0	2.962397	
198	N208	-6.585484	0	2.837397	
199	N209	-6.368978	5	2.962397	
200	N210	-7.018497	7.45833	2.587397	
201	N211	-6.585484	7.45833	2.837397	
202	N212	-6.585484	-1.54167	2.837397	
203	N213	-7.018497	6.124997	2.587397	
204	N214	-6.585484	6.124997	2.837397	
205	N215	-7.018497	2.124997	2.587397	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rule	Area [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	0.062	9	0.237
4	Platform Crossmember	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
5	Grating Support	L2X2X4	Beam	Single Angle	A36 Gr.36	Typical	0.944	0.346	0.346	0.021

Hot Rolled Steel Section Sets (Continued)

	Label	Shape	Type	Design List	Material	Design Rule	Area [in²]	Iyy [in⁴]	Izz [in⁴]	J [in⁴]
6	Mount Pipe	PIPE 2.0	Column	Pipe	A53 Gr.B	Typical	1.02	0.627	0.627	1.25
7	Cross Arm Plate	PL3/8X6	Column	RECT	A36 Gr.36	Typical	2.25	0.026	6.75	0.101
8	Support Rail	PIPE 2.0	Column	Pipe	A53 Gr.B	Typical	1.02	0.627	0.627	1.25
9	Connection Angle	L3X3X4	Column	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	0.031
10	Large Pipe	PIPE 2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
11	Mod Support Rail	PIPE 2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
12	Kicker	LL3X3X3X6	Column	Double Angle (3/8 Gap)	A36 Gr.36	Typical	2.18	4.97	1.9	0.027

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm. Coeff. [1e⁵°F⁻¹]	Density [k/ft³]	Yield [ksi]	Ry	Fu [ksi]	Rt
1	A992	29000	11154	0.3	0.65	0.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	0.3	0.65	0.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	0.3	0.65	0.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	0.3	0.65	0.527	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	0.3	0.65	0.527	46	1.4	58	1.3
6	A53 Gr.B	29000	11154	0.3	0.65	0.49	35	1.6	60	1.2
7	A1085	29000	11154	0.3	0.65	0.49	50	1.4	65	1.3
8	Q235	29000	11154	0.3	0.65	0.49	35	1.5	58	1.2

Member Primary Data

	Label	I Node	J Node	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rule
1	M1	N2	N1		Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
2	M4	N3	N27		Standoff Horizontal	Beam	SquareTube	A500 Gr.B Rect	Typical
3	M10	N101	N103A		Platform Crossmember	Beam	SquareTube	A500 Gr.B Rect	Typical
4	M19	N8	N9		RIGID	None	None	RIGID	Typical
5	M20	N10	N11		RIGID	None	None	RIGID	Typical
6	M21	N12	N13		RIGID	None	None	RIGID	Typical
7	M22	N14	N15		RIGID	None	None	RIGID	Typical
8	MP3A	N17	N16		Large Pipe	Column	Pipe	A53 Gr.B	Typical
9	MP4A	N19	N18		Mount Pipe	Column	Pipe	A53 Gr.B	Typical
10	MP2A	N21	N20		Large Pipe	Column	Pipe	A53 Gr.B	Typical
11	MP1A	N23	N22		Large Pipe	Column	Pipe	A53 Gr.B	Typical
12	M43	N102	N5		Platform Crossmember	Beam	SquareTube	A500 Gr.B Rect	Typical
13	M46	N86C	N87A		Corner Plate	Beam	BAR	A36 Gr.36	Typical
14	M35A	N7	N30		RIGID	None	None	RIGID	Typical
15	M36A	N6	N29		RIGID	None	None	RIGID	Typical
16	M51B	N87C	N6		Grating Support	Beam	Single Angle	A36 Gr.36	Typical
17	M52B	N7	N87B		Grating Support	Beam	Single Angle	A36 Gr.36	Typical
18	M52	N87B	N88C		RIGID	None	None	RIGID	Typical
19	M58	N102	N24		RIGID	None	None	RIGID	Typical
20	M59	N24	N103A		RIGID	None	None	RIGID	Typical
21	M76	N101	N105		Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
22	M77	N105	N131		Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
23	M79	N131	N86A		RIGID	None	None	RIGID	Typical
24	M80	N87A	N135		Corner Plate	Beam	BAR	A36 Gr.36	Typical
25	M83	N135	N86D		RIGID	None	None	RIGID	Typical
26	M84	N5	N104A		Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
27	M85	N104A	N144		Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
28	M88	N144	N86B		RIGID	None	None	RIGID	Typical
29	M91	N86C	N148		Corner Plate	Beam	BAR	A36 Gr.36	Typical
30	M92	N148	N86E		RIGID	None	None	RIGID	Typical
31	M50	N88C	N88A		RIGID	None	None	RIGID	Typical
32	M51	N88A	N86G		RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Node	J Node	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rule
33	M51A	N87C	N86G		RIGID	None	None	RIGID	Typical
34	M34	N52	N57		Standoff Horizontal	Beam	SquareTube	A500 Gr.B Rect	Typical
35	M35	N61	N63		Platform Crossmember	Beam	SquareTube	A500 Gr.B Rect	Typical
36	M36	N62	N53		Platform Crossmember	Beam	SquareTube	A500 Gr.B Rect	Typical
37	M37	N72	N73		Corner Plate	Beam	BAR	A36 Gr.36	Typical
38	M38	N55	N60		RIGID	None	None	RIGID	Typical
39	M39	N54	N59		RIGID	None	None	RIGID	Typical
40	M40	N77	N54		Grating Support	Beam	Single Angle	A36 Gr.36	Typical
41	M41	N55	N79		Grating Support	Beam	Single Angle	A36 Gr.36	Typical
42	M42	N79	N80		RIGID	None	None	RIGID	Typical
43	M43A	N62	N56		RIGID	None	None	RIGID	Typical
44	M44	N56	N63		RIGID	None	None	RIGID	Typical
45	M45	N61	N65		Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
46	M46A	N65	N66		Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
47	M47	N66	N70		RIGID	None	None	RIGID	Typical
48	M48	N73	N67		Corner Plate	Beam	BAR	A36 Gr.36	Typical
49	M49	N67	N74		RIGID	None	None	RIGID	Typical
50	M50A	N53	N64		Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
51	M51C	N64	N68		Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
52	M52A	N68	N71		RIGID	None	None	RIGID	Typical
53	M53	N72	N69		Corner Plate	Beam	BAR	A36 Gr.36	Typical
54	M54	N69	N75		RIGID	None	None	RIGID	Typical
55	M55	N80	N76		RIGID	None	None	RIGID	Typical
56	M56	N76	N78		RIGID	None	None	RIGID	Typical
57	M57	N77	N78		RIGID	None	None	RIGID	Typical
58	M58A	N81	N86		Standoff Horizontal	Beam	SquareTube	A500 Gr.B Rect	Typical
59	M59A	N90	N92		Platform Crossmember	Beam	SquareTube	A500 Gr.B Rect	Typical
60	M60	N91	N82		Platform Crossmember	Beam	SquareTube	A500 Gr.B Rect	Typical
61	M61	N101A	N102A		Corner Plate	Beam	BAR	A36 Gr.36	Typical
62	M62	N84	N89		RIGID	None	None	RIGID	Typical
63	M63	N83	N88		RIGID	None	None	RIGID	Typical
64	M64	N106	N83		Grating Support	Beam	Single Angle	A36 Gr.36	Typical
65	M65	N84	N108		Grating Support	Beam	Single Angle	A36 Gr.36	Typical
66	M66	N108	N109		RIGID	None	None	RIGID	Typical
67	M67	N91	N85		RIGID	None	None	RIGID	Typical
68	M68	N85	N92		RIGID	None	None	RIGID	Typical
69	M69	N90	N94		Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
70	M70	N94	N95		Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
71	M71	N95	N99		RIGID	None	None	RIGID	Typical
72	M72	N102A	N96		Corner Plate	Beam	BAR	A36 Gr.36	Typical
73	M73	N96	N103		RIGID	None	None	RIGID	Typical
74	M74	N82	N93		Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
75	M75	N93	N97		Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
76	M76A	N97	N100		RIGID	None	None	RIGID	Typical
77	M77A	N101A	N98		Corner Plate	Beam	BAR	A36 Gr.36	Typical
78	M78	N98	N104		RIGID	None	None	RIGID	Typical
79	M79A	N109	N105A		RIGID	None	None	RIGID	Typical
80	M80A	N105A	N107		RIGID	None	None	RIGID	Typical
81	M81	N106	N107		RIGID	None	None	RIGID	Typical
82	M82	N104B	N105B		Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
83	M84A	N108A	N109A		RIGID	None	None	RIGID	Typical
84	M85A	N110	N111		RIGID	None	None	RIGID	Typical
85	M86	N112	N113		RIGID	None	None	RIGID	Typical
86	MP3C	N115	N114		Large Pipe	Column	Pipe	A53 Gr.B	Typical
87	MP4C	N117	N116		Mount Pipe	Column	Pipe	A53 Gr.B	Typical

Member Primary Data (Continued)

	Label	I Node	J Node	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rule
88	MP2C	N119	N118		Large Pipe	Column	Pipe	A53 Gr.B	Typical
89	M91A	N123	N124		Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
90	M93	N127	N128		RIGID	None	None	RIGID	Typical
91	M94	N129	N130		RIGID	None	None	RIGID	Typical
92	M95	N131A	N132		RIGID	None	None	RIGID	Typical
93	MP3B	N134	N133		Large Pipe	Column	Pipe	A53 Gr.B	Typical
94	MP4B	N136	N135A		Mount Pipe	Column	Pipe	A53 Gr.B	Typical
95	MP2B	N138	N137		Large Pipe	Column	Pipe	A53 Gr.B	Typical
96	M100	N140A	N141		Mod Support Rail	Column	Pipe	A53 Gr.B	Typical
97	M101	N142	N143		RIGID	None	None	RIGID	Typical
98	M102	N144A	N145		RIGID	None	None	RIGID	Typical
99	M103	N146	N147		RIGID	None	None	RIGID	Typical
100	M104	N148A	N149		RIGID	None	None	RIGID	Typical
101	M105	N151	N152		Mod Support Rail	Column	Pipe	A53 Gr.B	Typical
102	M107	N155	N156		RIGID	None	None	RIGID	Typical
103	M108	N157	N158		RIGID	None	None	RIGID	Typical
104	M109	N159	N160		RIGID	None	None	RIGID	Typical
105	M110	N162	N163		Mod Support Rail	Column	Pipe	A53 Gr.B	Typical
106	M112	N166	N167		RIGID	None	None	RIGID	Typical
107	M113	N168	N169		RIGID	None	None	RIGID	Typical
108	M114	N170	N171		RIGID	None	None	RIGID	Typical
109	M115	N173	N171A		RIGID	None	None	RIGID	Typical
110	M116	N172	N170A		RIGID	None	None	RIGID	Typical
111	M124	N182A	N183A		Kicker	Column	Double Angle (3/8 Gap)	A36 Gr.36	Typical
112	M125	N185	N186		Kicker	Column	Double Angle (3/8 Gap)	A36 Gr.36	Typical
113	M126	N188	N189		Kicker	Column	Double Angle (3/8 Gap)	A36 Gr.36	Typical
114	M117	N175	N174		RIGID	None	None	RIGID	Typical
115	M118	N176	N177		RIGID	None	None	RIGID	Typical
116	M119	N179	N178		RIGID	None	None	RIGID	Typical
117	M120	N180	N181		RIGID	None	None	RIGID	Typical
118	M121	N182	N183		Large Pipe	Column	Pipe	A53 Gr.B	Typical
119	M122	N187	N184		RIGID	None	None	RIGID	Typical
120	M123	N191	N190		RIGID	None	None	RIGID	Typical
121	M127	N195	N196		RIGID	None	None	RIGID	Typical
122	M128	N197	N192		RIGID	None	None	RIGID	Typical
123	MP1C	N198	N193	240	Large Pipe	Column	Pipe	A53 Gr.B	Typical
124	M130	N199	N200	240	Large Pipe	Column	Pipe	A53 Gr.B	Typical
125	M131	N202	N201		RIGID	None	None	RIGID	Typical
126	M132	N194	N203		RIGID	None	None	RIGID	Typical
127	M133	N207	N208		RIGID	None	None	RIGID	Typical
128	M134	N209	N204		RIGID	None	None	RIGID	Typical
129	MP1B	N210	N205	120	Large Pipe	Column	Pipe	A53 Gr.B	Typical
130	M136	N211	N212	120	Large Pipe	Column	Pipe	A53 Gr.B	Typical
131	M137	N214	N213		RIGID	None	None	RIGID	Typical
132	M138	N206	N215		RIGID	None	None	RIGID	Typical
133	M135	N172	N180	90	Connection Angle	Column	Single Angle	A36 Gr.36	Typical
134	M139	N179	N176	90	Connection Angle	Column	Single Angle	A36 Gr.36	Typical
135	M140	N175	N173	90	Connection Angle	Column	Single Angle	A36 Gr.36	Typical

Hot Rolled Steel Design Parameters

	Label	Shape	Length [ft]	Lcomp top [ft]	Channel Conn.	a [ft]	Function
1	M1	Face Horizontal	12.5	Lbyy	N/A	N/A	Lateral
2	M4	Standoff Horizontal	5.188	Lbyy	N/A	N/A	Lateral
3	M10	Platform Crossmember	2.375	Lbyy	N/A	N/A	Lateral
4	MP3A	Large Pipe	9	Lbyy	N/A	N/A	Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length [ft]	Lcomp top [ft]	Channel Conn.	a [ft]	Function
5	MP4A	Mount Pipe	7	Lbyy	N/A	N/A	Lateral
6	MP2A	Large Pipe	9	Lbyy	N/A	N/A	Lateral
7	MP1A	Large Pipe	9	Lbyy	N/A	N/A	Lateral
8	M43	Platform Crossmember	2.375	Lbyy	N/A	N/A	Lateral
9	M46	Corner Plate	1.031	Lbyy	N/A	N/A	Lateral
10	M51B	Grating Support	4.162	Lbyy	N/A	N/A	Lateral
11	M52B	Grating Support	4.162	Lbyy	N/A	N/A	Lateral
12	M76	Cross Arm Plate	0.219		N/A	N/A	Lateral
13	M77	Cross Arm Plate	0.167		N/A	N/A	Lateral
14	M80	Corner Plate	0.112	Lbyy	N/A	N/A	Lateral
15	M84	Cross Arm Plate	0.219		N/A	N/A	Lateral
16	M85	Cross Arm Plate	0.167		N/A	N/A	Lateral
17	M91	Corner Plate	0.112	Lbyy	N/A	N/A	Lateral
18	M34	Standoff Horizontal	5.188	Lbyy	N/A	N/A	Lateral
19	M35	Platform Crossmember	2.375	Lbyy	N/A	N/A	Lateral
20	M36	Platform Crossmember	2.375	Lbyy	N/A	N/A	Lateral
21	M37	Corner Plate	1.031	Lbyy	N/A	N/A	Lateral
22	M40	Grating Support	4.162	Lbyy	N/A	N/A	Lateral
23	M41	Grating Support	4.162	Lbyy	N/A	N/A	Lateral
24	M45	Cross Arm Plate	0.219		N/A	N/A	Lateral
25	M46A	Cross Arm Plate	0.167		N/A	N/A	Lateral
26	M48	Corner Plate	0.112	Lbyy	N/A	N/A	Lateral
27	M50A	Cross Arm Plate	0.219		N/A	N/A	Lateral
28	M51C	Cross Arm Plate	0.167		N/A	N/A	Lateral
29	M53	Corner Plate	0.112	Lbyy	N/A	N/A	Lateral
30	M58A	Standoff Horizontal	5.187	Lbyy	N/A	N/A	Lateral
31	M59A	Platform Crossmember	2.375	Lbyy	N/A	N/A	Lateral
32	M60	Platform Crossmember	2.375	Lbyy	N/A	N/A	Lateral
33	M61	Corner Plate	1.031	Lbyy	N/A	N/A	Lateral
34	M64	Grating Support	4.162	Lbyy	N/A	N/A	Lateral
35	M65	Grating Support	4.162	Lbyy	N/A	N/A	Lateral
36	M69	Cross Arm Plate	0.219		N/A	N/A	Lateral
37	M70	Cross Arm Plate	0.167		N/A	N/A	Lateral
38	M72	Corner Plate	0.112	Lbyy	N/A	N/A	Lateral
39	M74	Cross Arm Plate	0.219		N/A	N/A	Lateral
40	M75	Cross Arm Plate	0.167		N/A	N/A	Lateral
41	M77A	Corner Plate	0.112	Lbyy	N/A	N/A	Lateral
42	M82	Face Horizontal	12.5	Lbyy	N/A	N/A	Lateral
43	MP3C	Large Pipe	9	Lbyy	N/A	N/A	Lateral
44	MP4C	Mount Pipe	7	Lbyy	N/A	N/A	Lateral
45	MP2C	Large Pipe	9	Lbyy	N/A	N/A	Lateral
46	M91A	Face Horizontal	12.5	Lbyy	N/A	N/A	Lateral
47	MP3B	Large Pipe	9	Lbyy	N/A	N/A	Lateral
48	MP4B	Mount Pipe	7	Lbyy	N/A	N/A	Lateral
49	MP2B	Large Pipe	9	Lbyy	N/A	N/A	Lateral
50	M100	Mod Support Rail	12.5	Lbyy	N/A	N/A	Lateral
51	M105	Mod Support Rail	12.5	Lbyy	N/A	N/A	Lateral
52	M110	Mod Support Rail	12.5	Lbyy	N/A	N/A	Lateral
53	M124	Kicker	5.356		N/A	N/A	Lateral
54	M125	Kicker	5.356		N/A	N/A	Lateral
55	M126	Kicker	5.356		N/A	N/A	Lateral
56	M121	Large Pipe	9	Lbyy	N/A	N/A	Lateral
57	MP1C	Large Pipe	9	Lbyy	N/A	N/A	Lateral
58	M130	Large Pipe	9	Lbyy	N/A	N/A	Lateral
59	MP1B	Large Pipe	9	Lbyy	N/A	N/A	Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length [ft]	Lcomp top [ft]	Channel Conn.	a [ft]	Function
60	M136	Large Pipe	9	Lbyy	N/A	N/A	Lateral
61	M135	Connection Angle	2.532	Lbyy	N/A	N/A	Lateral
62	M139	Connection Angle	2.532	Lbyy	N/A	N/A	Lateral
63	M140	Connection Angle	2.532	Lbyy	N/A	N/A	Lateral

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	Y	-31.65	1.75
2	MP1A	My	-0.025	1.75
3	MP1A	Mz	0.029	1.75
4	MP1A	Y	-31.65	6.75
5	MP1A	My	-0.025	6.75
6	MP1A	Mz	0.029	6.75
7	MP1B	Y	-31.65	1.75
8	MP1B	My	0.007	1.75
9	MP1B	Mz	-0.037	1.75
10	MP1B	Y	-31.65	6.75
11	MP1B	My	0.007	6.75
12	MP1B	Mz	-0.037	6.75
13	MP1C	Y	-31.65	1.75
14	MP1C	My	0.029	1.75
15	MP1C	Mz	0.025	1.75
16	MP1C	Y	-31.65	6.75
17	MP1C	My	0.029	6.75
18	MP1C	Mz	0.025	6.75
19	MP1A	Y	-31.65	1.75
20	MP1A	My	-0.036	1.75
21	MP1A	Mz	-0.012	1.75
22	MP1A	Y	-31.65	6.75
23	MP1A	My	-0.036	6.75
24	MP1A	Mz	-0.012	6.75
25	MP1B	Y	-31.65	1.75
26	MP1B	My	0.037	1.75
27	MP1B	Mz	-0.007	1.75
28	MP1B	Y	-31.65	6.75
29	MP1B	My	0.037	6.75
30	MP1B	Mz	-0.007	6.75
31	MP1C	Y	-31.65	1.75
32	MP1C	My	-0.012	1.75
33	MP1C	Mz	0.036	1.75
34	MP1C	Y	-31.65	6.75
35	MP1C	My	-0.012	6.75
36	MP1C	Mz	0.036	6.75
37	MP4A	Y	-28.65	1.25
38	MP4A	My	-0.028	1.25
39	MP4A	Mz	0.007	1.25
40	MP4A	Y	-28.65	3.25
41	MP4A	My	-0.028	3.25
42	MP4A	Mz	0.007	3.25
43	MP4B	Y	-28.65	1.25
44	MP4B	My	0.02	1.25
45	MP4B	Mz	-0.02	1.25
46	MP4B	Y	-28.65	3.25
47	MP4B	My	0.02	3.25
48	MP4B	Mz	-0.02	3.25

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
49	MP4C	Y	-28.65	1.25
50	MP4C	My	0.007	1.25
51	MP4C	Mz	0.028	1.25
52	MP4C	Y	-28.65	3.25
53	MP4C	My	0.007	3.25
54	MP4C	Mz	0.028	3.25
55	MP3A	Y	-10.4	4
56	MP3A	My	0.005	4
57	MP3A	Mz	-0.001	4
58	MP3B	Y	-10.4	4
59	MP3B	My	-0.004	4
60	MP3B	Mz	0.004	4
61	MP3C	Y	-10.4	4
62	MP3C	My	-0.001	4
63	MP3C	Mz	-0.005	4
64	MP2A	Y	-74.7	4.5
65	MP2A	My	0.036	4.5
66	MP2A	Mz	-0.01	4.5
67	MP2B	Y	-74.7	4.5
68	MP2B	My	-0.026	4.5
69	MP2B	Mz	0.026	4.5
70	MP2C	Y	-74.7	4.5
71	MP2C	My	-0.01	4.5
72	MP2C	Mz	-0.036	4.5
73	MP1A	Y	-79.1	4.5
74	MP1A	My	0.038	4.5
75	MP1A	Mz	-0.01	4.5
76	MP1B	Y	-79.1	4.5
77	MP1B	My	-0.028	4.5
78	MP1B	Mz	0.028	4.5
79	MP1C	Y	-79.1	4.5
80	MP1C	My	-0.01	4.5
81	MP1C	Mz	-0.038	4.5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	Y	-70.93	1.75
2	MP1A	My	-0.056	1.75
3	MP1A	Mz	0.064	1.75
4	MP1A	Y	-70.93	6.75
5	MP1A	My	-0.056	6.75
6	MP1A	Mz	0.064	6.75
7	MP1B	Y	-70.93	1.75
8	MP1B	My	0.017	1.75
9	MP1B	Mz	-0.084	1.75
10	MP1B	Y	-70.93	6.75
11	MP1B	My	0.017	6.75
12	MP1B	Mz	-0.084	6.75
13	MP1C	Y	-70.93	1.75
14	MP1C	My	0.064	1.75
15	MP1C	Mz	0.056	1.75
16	MP1C	Y	-70.93	6.75
17	MP1C	My	0.064	6.75
18	MP1C	Mz	0.056	6.75
19	MP1A	Y	-70.93	1.75

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
20	MP1A	My	-0.081	1.75
21	MP1A	Mz	-0.027	1.75
22	MP1A	Y	-70.93	6.75
23	MP1A	My	-0.081	6.75
24	MP1A	Mz	-0.027	6.75
25	MP1B	Y	-70.93	1.75
26	MP1B	My	0.084	1.75
27	MP1B	Mz	-0.017	1.75
28	MP1B	Y	-70.93	6.75
29	MP1B	My	0.084	6.75
30	MP1B	Mz	-0.017	6.75
31	MP1C	Y	-70.93	1.75
32	MP1C	My	-0.027	1.75
33	MP1C	Mz	0.081	1.75
34	MP1C	Y	-70.93	6.75
35	MP1C	My	-0.027	6.75
36	MP1C	Mz	0.081	6.75
37	MP4A	Y	-30.207	1.25
38	MP4A	My	-0.029	1.25
39	MP4A	Mz	0.008	1.25
40	MP4A	Y	-30.207	3.25
41	MP4A	My	-0.029	3.25
42	MP4A	Mz	0.008	3.25
43	MP4B	Y	-30.207	1.25
44	MP4B	My	0.021	1.25
45	MP4B	Mz	-0.021	1.25
46	MP4B	Y	-30.207	3.25
47	MP4B	My	0.021	3.25
48	MP4B	Mz	-0.021	3.25
49	MP4C	Y	-30.207	1.25
50	MP4C	My	0.008	1.25
51	MP4C	Mz	0.029	1.25
52	MP4C	Y	-30.207	3.25
53	MP4C	My	0.008	3.25
54	MP4C	Mz	0.029	3.25
55	MP3A	Y	-10.916	4
56	MP3A	My	0.005	4
57	MP3A	Mz	-0.001	4
58	MP3B	Y	-10.916	4
59	MP3B	My	-0.004	4
60	MP3B	Mz	0.004	4
61	MP3C	Y	-10.916	4
62	MP3C	My	-0.001	4
63	MP3C	Mz	-0.005	4
64	MP2A	Y	-45.552	4.5
65	MP2A	My	0.022	4.5
66	MP2A	Mz	-0.006	4.5
67	MP2B	Y	-45.552	4.5
68	MP2B	My	-0.016	4.5
69	MP2B	Mz	0.016	4.5
70	MP2C	Y	-45.552	4.5
71	MP2C	My	-0.006	4.5
72	MP2C	Mz	-0.022	4.5
73	MP1A	Y	-46.034	4.5
74	MP1A	My	0.022	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
75	MP1A	Mz	-0.006	4.5
76	MP1B	Y	-46.034	4.5
77	MP1B	My	-0.016	4.5
78	MP1B	Mz	0.016	4.5
79	MP1C	Y	-46.034	4.5
80	MP1C	My	-0.006	4.5
81	MP1C	Mz	-0.022	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	0	1.75
2	MP1A	Z	-228.337	1.75
3	MP1A	Mx	-0.206	1.75
4	MP1A	X	0	6.75
5	MP1A	Z	-228.337	6.75
6	MP1A	Mx	-0.206	6.75
7	MP1B	X	0	1.75
8	MP1B	Z	-193.604	1.75
9	MP1B	Mx	0.228	1.75
10	MP1B	X	0	6.75
11	MP1B	Z	-193.604	6.75
12	MP1B	Mx	0.228	6.75
13	MP1C	X	0	1.75
14	MP1C	Z	-158.871	1.75
15	MP1C	Mx	-0.126	1.75
16	MP1C	X	0	6.75
17	MP1C	Z	-158.871	6.75
18	MP1C	Mx	-0.126	6.75
19	MP1A	X	0	1.75
20	MP1A	Z	-228.337	1.75
21	MP1A	Mx	0.088	1.75
22	MP1A	X	0	6.75
23	MP1A	Z	-228.337	6.75
24	MP1A	Mx	0.088	6.75
25	MP1B	X	0	1.75
26	MP1B	Z	-193.604	1.75
27	MP1B	Mx	0.046	1.75
28	MP1B	X	0	6.75
29	MP1B	Z	-193.604	6.75
30	MP1B	Mx	0.046	6.75
31	MP1C	X	0	1.75
32	MP1C	Z	-158.871	1.75
33	MP1C	Mx	-0.181	1.75
34	MP1C	X	0	6.75
35	MP1C	Z	-158.871	6.75
36	MP1C	Mx	-0.181	6.75
37	MP4A	X	0	1.25
38	MP4A	Z	-93.225	1.25
39	MP4A	Mx	-0.024	1.25
40	MP4A	X	0	3.25
41	MP4A	Z	-93.225	3.25
42	MP4A	Mx	-0.024	3.25
43	MP4B	X	0	1.25
44	MP4B	Z	-67.339	1.25
45	MP4B	Mx	0.048	1.25

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
46	MP4B	X	0	3.25
47	MP4B	Z	-67.339	3.25
48	MP4B	Mx	0.048	3.25
49	MP4C	X	0	1.25
50	MP4C	Z	-41.453	1.25
51	MP4C	Mx	-0.04	1.25
52	MP4C	X	0	3.25
53	MP4C	Z	-41.453	3.25
54	MP4C	Mx	-0.04	3.25
55	MP3A	X	0	4
56	MP3A	Z	-18.592	4
57	MP3A	Mx	0.002	4
58	MP3B	X	0	4
59	MP3B	Z	-16.06	4
60	MP3B	Mx	-0.006	4
61	MP3C	X	0	4
62	MP3C	Z	-13.527	4
63	MP3C	Mx	0.007	4
64	MP2A	X	0	4.5
65	MP2A	Z	-77.775	4.5
66	MP2A	Mx	0.01	4.5
67	MP2B	X	0	4.5
68	MP2B	Z	-66.444	4.5
69	MP2B	Mx	-0.023	4.5
70	MP2C	X	0	4.5
71	MP2C	Z	-55.114	4.5
72	MP2C	Mx	0.027	4.5
73	MP1A	X	0	4.5
74	MP1A	Z	-93.902	4.5
75	MP1A	Mx	0.012	4.5
76	MP1B	X	0	4.5
77	MP1B	Z	-80.683	4.5
78	MP1B	Mx	-0.029	4.5
79	MP1C	X	0	4.5
80	MP1C	Z	-67.463	4.5
81	MP1C	Mx	0.033	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	96.802	1.75
2	MP1A	Z	-167.666	1.75
3	MP1A	Mx	-0.228	1.75
4	MP1A	X	96.802	6.75
5	MP1A	Z	-167.666	6.75
6	MP1A	Mx	-0.228	6.75
7	MP1B	X	79.436	1.75
8	MP1B	Z	-137.586	1.75
9	MP1B	Mx	0.181	1.75
10	MP1B	X	79.436	6.75
11	MP1B	Z	-137.586	6.75
12	MP1B	Mx	0.181	6.75
13	MP1C	X	96.802	1.75
14	MP1C	Z	-167.666	1.75
15	MP1C	Mx	-0.046	1.75
16	MP1C	X	96.802	6.75

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
17	MP1C	Z	-167.666	6.75
18	MP1C	Mx	-0.046	6.75
19	MP1A	X	96.802	1.75
20	MP1A	Z	-167.666	1.75
21	MP1A	Mx	-0.046	1.75
22	MP1A	X	96.802	6.75
23	MP1A	Z	-167.666	6.75
24	MP1A	Mx	-0.046	6.75
25	MP1B	X	79.436	1.75
26	MP1B	Z	-137.586	1.75
27	MP1B	Mx	0.126	1.75
28	MP1B	X	79.436	6.75
29	MP1B	Z	-137.586	6.75
30	MP1B	Mx	0.126	6.75
31	MP1C	X	96.802	1.75
32	MP1C	Z	-167.666	1.75
33	MP1C	Mx	-0.228	1.75
34	MP1C	X	96.802	6.75
35	MP1C	Z	-167.666	6.75
36	MP1C	Mx	-0.228	6.75
37	MP4A	X	33.669	1.25
38	MP4A	Z	-58.317	1.25
39	MP4A	Mx	-0.048	1.25
40	MP4A	X	33.669	3.25
41	MP4A	Z	-58.317	3.25
42	MP4A	Mx	-0.048	3.25
43	MP4B	X	20.726	1.25
44	MP4B	Z	-35.899	1.25
45	MP4B	Mx	0.04	1.25
46	MP4B	X	20.726	3.25
47	MP4B	Z	-35.899	3.25
48	MP4B	Mx	0.04	3.25
49	MP4C	X	33.669	1.25
50	MP4C	Z	-58.317	1.25
51	MP4C	Mx	-0.048	1.25
52	MP4C	X	33.669	3.25
53	MP4C	Z	-58.317	3.25
54	MP4C	Mx	-0.048	3.25
55	MP3A	X	8.03	4
56	MP3A	Z	-13.908	4
57	MP3A	Mx	0.006	4
58	MP3B	X	6.763	4
59	MP3B	Z	-11.715	4
60	MP3B	Mx	-0.007	4
61	MP3C	X	8.03	4
62	MP3C	Z	-13.908	4
63	MP3C	Mx	0.006	4
64	MP2A	X	33.222	4.5
65	MP2A	Z	-57.543	4.5
66	MP2A	Mx	0.023	4.5
67	MP2B	X	27.557	4.5
68	MP2B	Z	-47.73	4.5
69	MP2B	Mx	-0.027	4.5
70	MP2C	X	33.222	4.5
71	MP2C	Z	-57.543	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
72	MP2C	Mx	0.023	4.5
73	MP1A	X	40.341	4.5
74	MP1A	Z	-69.873	4.5
75	MP1A	Mx	0.029	4.5
76	MP1B	X	33.732	4.5
77	MP1B	Z	-58.425	4.5
78	MP1B	Mx	-0.033	4.5
79	MP1C	X	40.341	4.5
80	MP1C	Z	-69.873	4.5
81	MP1C	Mx	0.029	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	137.586	1.75
2	MP1A	Z	-79.436	1.75
3	MP1A	Mx	-0.181	1.75
4	MP1A	X	137.586	6.75
5	MP1A	Z	-79.436	6.75
6	MP1A	Mx	-0.181	6.75
7	MP1B	X	137.586	1.75
8	MP1B	Z	-79.436	1.75
9	MP1B	Mx	0.126	1.75
10	MP1B	X	137.586	6.75
11	MP1B	Z	-79.436	6.75
12	MP1B	Mx	0.126	6.75
13	MP1C	X	197.746	1.75
14	MP1C	Z	-114.168	1.75
15	MP1C	Mx	0.088	1.75
16	MP1C	X	197.746	6.75
17	MP1C	Z	-114.168	6.75
18	MP1C	Mx	0.088	6.75
19	MP1A	X	137.586	1.75
20	MP1A	Z	-79.436	1.75
21	MP1A	Mx	-0.126	1.75
22	MP1A	X	137.586	6.75
23	MP1A	Z	-79.436	6.75
24	MP1A	Mx	-0.126	6.75
25	MP1B	X	137.586	1.75
26	MP1B	Z	-79.436	1.75
27	MP1B	Mx	0.181	1.75
28	MP1B	X	137.586	6.75
29	MP1B	Z	-79.436	6.75
30	MP1B	Mx	0.181	6.75
31	MP1C	X	197.746	1.75
32	MP1C	Z	-114.168	1.75
33	MP1C	Mx	-0.206	1.75
34	MP1C	X	197.746	6.75
35	MP1C	Z	-114.168	6.75
36	MP1C	Mx	-0.206	6.75
37	MP4A	X	35.899	1.25
38	MP4A	Z	-20.726	1.25
39	MP4A	Mx	-0.04	1.25
40	MP4A	X	35.899	3.25
41	MP4A	Z	-20.726	3.25
42	MP4A	Mx	-0.04	3.25

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
43	MP4B	X	35.899	1.25
44	MP4B	Z	-20.726	1.25
45	MP4B	Mx	0.04	1.25
46	MP4B	X	35.899	3.25
47	MP4B	Z	-20.726	3.25
48	MP4B	Mx	0.04	3.25
49	MP4C	X	80.735	1.25
50	MP4C	Z	-46.612	1.25
51	MP4C	Mx	-0.024	1.25
52	MP4C	X	80.735	3.25
53	MP4C	Z	-46.612	3.25
54	MP4C	Mx	-0.024	3.25
55	MP3A	X	11.715	4
56	MP3A	Z	-6.763	4
57	MP3A	Mx	0.007	4
58	MP3B	X	11.715	4
59	MP3B	Z	-6.763	4
60	MP3B	Mx	-0.007	4
61	MP3C	X	16.101	4
62	MP3C	Z	-9.296	4
63	MP3C	Mx	0.002	4
64	MP2A	X	47.73	4.5
65	MP2A	Z	-27.557	4.5
66	MP2A	Mx	0.027	4.5
67	MP2B	X	47.73	4.5
68	MP2B	Z	-27.557	4.5
69	MP2B	Mx	-0.027	4.5
70	MP2C	X	67.355	4.5
71	MP2C	Z	-38.888	4.5
72	MP2C	Mx	0.01	4.5
73	MP1A	X	58.425	4.5
74	MP1A	Z	-33.732	4.5
75	MP1A	Mx	0.033	4.5
76	MP1B	X	58.425	4.5
77	MP1B	Z	-33.732	4.5
78	MP1B	Mx	-0.033	4.5
79	MP1C	X	81.321	4.5
80	MP1C	Z	-46.951	4.5
81	MP1C	Mx	0.012	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	158.871	1.75
2	MP1A	Z	0	1.75
3	MP1A	Mx	-0.126	1.75
4	MP1A	X	158.871	6.75
5	MP1A	Z	0	6.75
6	MP1A	Mx	-0.126	6.75
7	MP1B	X	193.604	1.75
8	MP1B	Z	0	1.75
9	MP1B	Mx	0.046	1.75
10	MP1B	X	193.604	6.75
11	MP1B	Z	0	6.75
12	MP1B	Mx	0.046	6.75
13	MP1C	X	228.337	1.75

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
14	MP1C	Z	0	1.75
15	MP1C	Mx	0.206	1.75
16	MP1C	X	228.337	6.75
17	MP1C	Z	0	6.75
18	MP1C	Mx	0.206	6.75
19	MP1A	X	158.871	1.75
20	MP1A	Z	0	1.75
21	MP1A	Mx	-0.181	1.75
22	MP1A	X	158.871	6.75
23	MP1A	Z	0	6.75
24	MP1A	Mx	-0.181	6.75
25	MP1B	X	193.604	1.75
26	MP1B	Z	0	1.75
27	MP1B	Mx	0.228	1.75
28	MP1B	X	193.604	6.75
29	MP1B	Z	0	6.75
30	MP1B	Mx	0.228	6.75
31	MP1C	X	228.337	1.75
32	MP1C	Z	0	1.75
33	MP1C	Mx	-0.088	1.75
34	MP1C	X	228.337	6.75
35	MP1C	Z	0	6.75
36	MP1C	Mx	-0.088	6.75
37	MP4A	X	41.453	1.25
38	MP4A	Z	0	1.25
39	MP4A	Mx	-0.04	1.25
40	MP4A	X	41.453	3.25
41	MP4A	Z	0	3.25
42	MP4A	Mx	-0.04	3.25
43	MP4B	X	67.339	1.25
44	MP4B	Z	0	1.25
45	MP4B	Mx	0.048	1.25
46	MP4B	X	67.339	3.25
47	MP4B	Z	0	3.25
48	MP4B	Mx	0.048	3.25
49	MP4C	X	93.225	1.25
50	MP4C	Z	0	1.25
51	MP4C	Mx	0.024	1.25
52	MP4C	X	93.225	3.25
53	MP4C	Z	0	3.25
54	MP4C	Mx	0.024	3.25
55	MP3A	X	13.527	4
56	MP3A	Z	0	4
57	MP3A	Mx	0.007	4
58	MP3B	X	16.06	4
59	MP3B	Z	0	4
60	MP3B	Mx	-0.006	4
61	MP3C	X	18.592	4
62	MP3C	Z	0	4
63	MP3C	Mx	-0.002	4
64	MP2A	X	55.114	4.5
65	MP2A	Z	0	4.5
66	MP2A	Mx	0.027	4.5
67	MP2B	X	66.444	4.5
68	MP2B	Z	0	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
69	MP2B	Mx	-0.023	4.5
70	MP2C	X	77.775	4.5
71	MP2C	Z	0	4.5
72	MP2C	Mx	-0.01	4.5
73	MP1A	X	67.463	4.5
74	MP1A	Z	0	4.5
75	MP1A	Mx	0.033	4.5
76	MP1B	X	80.683	4.5
77	MP1B	Z	0	4.5
78	MP1B	Mx	-0.029	4.5
79	MP1C	X	93.902	4.5
80	MP1C	Z	0	4.5
81	MP1C	Mx	-0.012	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	167.666	1.75
2	MP1A	Z	96.802	1.75
3	MP1A	Mx	-0.046	1.75
4	MP1A	X	167.666	6.75
5	MP1A	Z	96.802	6.75
6	MP1A	Mx	-0.046	6.75
7	MP1B	X	197.746	1.75
8	MP1B	Z	114.168	1.75
9	MP1B	Mx	-0.088	1.75
10	MP1B	X	197.746	6.75
11	MP1B	Z	114.168	6.75
12	MP1B	Mx	-0.088	6.75
13	MP1C	X	167.666	1.75
14	MP1C	Z	96.802	1.75
15	MP1C	Mx	0.228	1.75
16	MP1C	X	167.666	6.75
17	MP1C	Z	96.802	6.75
18	MP1C	Mx	0.228	6.75
19	MP1A	X	167.666	1.75
20	MP1A	Z	96.802	1.75
21	MP1A	Mx	-0.228	1.75
22	MP1A	X	167.666	6.75
23	MP1A	Z	96.802	6.75
24	MP1A	Mx	-0.228	6.75
25	MP1B	X	197.746	1.75
26	MP1B	Z	114.168	1.75
27	MP1B	Mx	0.206	1.75
28	MP1B	X	197.746	6.75
29	MP1B	Z	114.168	6.75
30	MP1B	Mx	0.206	6.75
31	MP1C	X	167.666	1.75
32	MP1C	Z	96.802	1.75
33	MP1C	Mx	0.046	1.75
34	MP1C	X	167.666	6.75
35	MP1C	Z	96.802	6.75
36	MP1C	Mx	0.046	6.75
37	MP4A	X	58.317	1.25
38	MP4A	Z	33.669	1.25
39	MP4A	Mx	-0.048	1.25

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
40	MP4A	X	58.317	3.25
41	MP4A	Z	33.669	3.25
42	MP4A	Mx	-0.048	3.25
43	MP4B	X	80.735	1.25
44	MP4B	Z	46.612	1.25
45	MP4B	Mx	0.024	1.25
46	MP4B	X	80.735	3.25
47	MP4B	Z	46.612	3.25
48	MP4B	Mx	0.024	3.25
49	MP4C	X	58.317	1.25
50	MP4C	Z	33.669	1.25
51	MP4C	Mx	0.048	1.25
52	MP4C	X	58.317	3.25
53	MP4C	Z	33.669	3.25
54	MP4C	Mx	0.048	3.25
55	MP3A	X	13.908	4
56	MP3A	Z	8.03	4
57	MP3A	Mx	0.006	4
58	MP3B	X	16.101	4
59	MP3B	Z	9.296	4
60	MP3B	Mx	-0.002	4
61	MP3C	X	13.908	4
62	MP3C	Z	8.03	4
63	MP3C	Mx	-0.006	4
64	MP2A	X	57.543	4.5
65	MP2A	Z	33.222	4.5
66	MP2A	Mx	0.023	4.5
67	MP2B	X	67.355	4.5
68	MP2B	Z	38.888	4.5
69	MP2B	Mx	-0.01	4.5
70	MP2C	X	57.543	4.5
71	MP2C	Z	33.222	4.5
72	MP2C	Mx	-0.023	4.5
73	MP1A	X	69.873	4.5
74	MP1A	Z	40.341	4.5
75	MP1A	Mx	0.029	4.5
76	MP1B	X	81.321	4.5
77	MP1B	Z	46.951	4.5
78	MP1B	Mx	-0.012	4.5
79	MP1C	X	69.873	4.5
80	MP1C	Z	40.341	4.5
81	MP1C	Mx	-0.029	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	114.168	1.75
2	MP1A	Z	197.746	1.75
3	MP1A	Mx	0.088	1.75
4	MP1A	X	114.168	6.75
5	MP1A	Z	197.746	6.75
6	MP1A	Mx	0.088	6.75
7	MP1B	X	114.168	1.75
8	MP1B	Z	197.746	1.75
9	MP1B	Mx	-0.206	1.75
10	MP1B	X	114.168	6.75

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
11	MP1B	Z	197.746	6.75
12	MP1B	Mx	-0.206	6.75
13	MP1C	X	79.436	1.75
14	MP1C	Z	137.586	1.75
15	MP1C	Mx	0.181	1.75
16	MP1C	X	79.436	6.75
17	MP1C	Z	137.586	6.75
18	MP1C	Mx	0.181	6.75
19	MP1A	X	114.168	1.75
20	MP1A	Z	197.746	1.75
21	MP1A	Mx	-0.206	1.75
22	MP1A	X	114.168	6.75
23	MP1A	Z	197.746	6.75
24	MP1A	Mx	-0.206	6.75
25	MP1B	X	114.168	1.75
26	MP1B	Z	197.746	1.75
27	MP1B	Mx	0.088	1.75
28	MP1B	X	114.168	6.75
29	MP1B	Z	197.746	6.75
30	MP1B	Mx	0.088	6.75
31	MP1C	X	79.436	1.75
32	MP1C	Z	137.586	1.75
33	MP1C	Mx	0.126	1.75
34	MP1C	X	79.436	6.75
35	MP1C	Z	137.586	6.75
36	MP1C	Mx	0.126	6.75
37	MP4A	X	46.612	1.25
38	MP4A	Z	80.735	1.25
39	MP4A	Mx	-0.024	1.25
40	MP4A	X	46.612	3.25
41	MP4A	Z	80.735	3.25
42	MP4A	Mx	-0.024	3.25
43	MP4B	X	46.612	1.25
44	MP4B	Z	80.735	1.25
45	MP4B	Mx	-0.024	1.25
46	MP4B	X	46.612	3.25
47	MP4B	Z	80.735	3.25
48	MP4B	Mx	-0.024	3.25
49	MP4C	X	20.726	1.25
50	MP4C	Z	35.899	1.25
51	MP4C	Mx	0.04	1.25
52	MP4C	X	20.726	3.25
53	MP4C	Z	35.899	3.25
54	MP4C	Mx	0.04	3.25
55	MP3A	X	9.296	4
56	MP3A	Z	16.101	4
57	MP3A	Mx	0.002	4
58	MP3B	X	9.296	4
59	MP3B	Z	16.101	4
60	MP3B	Mx	0.002	4
61	MP3C	X	6.763	4
62	MP3C	Z	11.715	4
63	MP3C	Mx	-0.007	4
64	MP2A	X	38.888	4.5
65	MP2A	Z	67.355	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
66	MP2A	Mx	0.01	4.5
67	MP2B	X	38.888	4.5
68	MP2B	Z	67.355	4.5
69	MP2B	Mx	0.01	4.5
70	MP2C	X	27.557	4.5
71	MP2C	Z	47.73	4.5
72	MP2C	Mx	-0.027	4.5
73	MP1A	X	46.951	4.5
74	MP1A	Z	81.321	4.5
75	MP1A	Mx	0.012	4.5
76	MP1B	X	46.951	4.5
77	MP1B	Z	81.321	4.5
78	MP1B	Mx	0.012	4.5
79	MP1C	X	33.732	4.5
80	MP1C	Z	58.425	4.5
81	MP1C	Mx	-0.033	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	0	1.75
2	MP1A	Z	228.337	1.75
3	MP1A	Mx	0.206	1.75
4	MP1A	X	0	6.75
5	MP1A	Z	228.337	6.75
6	MP1A	Mx	0.206	6.75
7	MP1B	X	0	1.75
8	MP1B	Z	193.604	1.75
9	MP1B	Mx	-0.228	1.75
10	MP1B	X	0	6.75
11	MP1B	Z	193.604	6.75
12	MP1B	Mx	-0.228	6.75
13	MP1C	X	0	1.75
14	MP1C	Z	158.871	1.75
15	MP1C	Mx	0.126	1.75
16	MP1C	X	0	6.75
17	MP1C	Z	158.871	6.75
18	MP1C	Mx	0.126	6.75
19	MP1A	X	0	1.75
20	MP1A	Z	228.337	1.75
21	MP1A	Mx	-0.088	1.75
22	MP1A	X	0	6.75
23	MP1A	Z	228.337	6.75
24	MP1A	Mx	-0.088	6.75
25	MP1B	X	0	1.75
26	MP1B	Z	193.604	1.75
27	MP1B	Mx	-0.046	1.75
28	MP1B	X	0	6.75
29	MP1B	Z	193.604	6.75
30	MP1B	Mx	-0.046	6.75
31	MP1C	X	0	1.75
32	MP1C	Z	158.871	1.75
33	MP1C	Mx	0.181	1.75
34	MP1C	X	0	6.75
35	MP1C	Z	158.871	6.75
36	MP1C	Mx	0.181	6.75

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
37	MP4A	X	0	1.25
38	MP4A	Z	93.225	1.25
39	MP4A	Mx	0.024	1.25
40	MP4A	X	0	3.25
41	MP4A	Z	93.225	3.25
42	MP4A	Mx	0.024	3.25
43	MP4B	X	0	1.25
44	MP4B	Z	67.339	1.25
45	MP4B	Mx	-0.048	1.25
46	MP4B	X	0	3.25
47	MP4B	Z	67.339	3.25
48	MP4B	Mx	-0.048	3.25
49	MP4C	X	0	1.25
50	MP4C	Z	41.453	1.25
51	MP4C	Mx	0.04	1.25
52	MP4C	X	0	3.25
53	MP4C	Z	41.453	3.25
54	MP4C	Mx	0.04	3.25
55	MP3A	X	0	4
56	MP3A	Z	18.592	4
57	MP3A	Mx	-0.002	4
58	MP3B	X	0	4
59	MP3B	Z	16.06	4
60	MP3B	Mx	0.006	4
61	MP3C	X	0	4
62	MP3C	Z	13.527	4
63	MP3C	Mx	-0.007	4
64	MP2A	X	0	4.5
65	MP2A	Z	77.775	4.5
66	MP2A	Mx	-0.01	4.5
67	MP2B	X	0	4.5
68	MP2B	Z	66.444	4.5
69	MP2B	Mx	0.023	4.5
70	MP2C	X	0	4.5
71	MP2C	Z	55.114	4.5
72	MP2C	Mx	-0.027	4.5
73	MP1A	X	0	4.5
74	MP1A	Z	93.902	4.5
75	MP1A	Mx	-0.012	4.5
76	MP1B	X	0	4.5
77	MP1B	Z	80.683	4.5
78	MP1B	Mx	0.029	4.5
79	MP1C	X	0	4.5
80	MP1C	Z	67.463	4.5
81	MP1C	Mx	-0.033	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	-96.802	1.75
2	MP1A	Z	167.666	1.75
3	MP1A	Mx	0.228	1.75
4	MP1A	X	-96.802	6.75
5	MP1A	Z	167.666	6.75
6	MP1A	Mx	0.228	6.75
7	MP1B	X	-79.436	1.75

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
8	MP1B	Z	137.586	1.75
9	MP1B	Mx	-0.181	1.75
10	MP1B	X	-79.436	6.75
11	MP1B	Z	137.586	6.75
12	MP1B	Mx	-0.181	6.75
13	MP1C	X	-96.802	1.75
14	MP1C	Z	167.666	1.75
15	MP1C	Mx	0.046	1.75
16	MP1C	X	-96.802	6.75
17	MP1C	Z	167.666	6.75
18	MP1C	Mx	0.046	6.75
19	MP1A	X	-96.802	1.75
20	MP1A	Z	167.666	1.75
21	MP1A	Mx	0.046	1.75
22	MP1A	X	-96.802	6.75
23	MP1A	Z	167.666	6.75
24	MP1A	Mx	0.046	6.75
25	MP1B	X	-79.436	1.75
26	MP1B	Z	137.586	1.75
27	MP1B	Mx	-0.126	1.75
28	MP1B	X	-79.436	6.75
29	MP1B	Z	137.586	6.75
30	MP1B	Mx	-0.126	6.75
31	MP1C	X	-96.802	1.75
32	MP1C	Z	167.666	1.75
33	MP1C	Mx	0.228	1.75
34	MP1C	X	-96.802	6.75
35	MP1C	Z	167.666	6.75
36	MP1C	Mx	0.228	6.75
37	MP4A	X	-33.669	1.25
38	MP4A	Z	58.317	1.25
39	MP4A	Mx	0.048	1.25
40	MP4A	X	-33.669	3.25
41	MP4A	Z	58.317	3.25
42	MP4A	Mx	0.048	3.25
43	MP4B	X	-20.726	1.25
44	MP4B	Z	35.899	1.25
45	MP4B	Mx	-0.04	1.25
46	MP4B	X	-20.726	3.25
47	MP4B	Z	35.899	3.25
48	MP4B	Mx	-0.04	3.25
49	MP4C	X	-33.669	1.25
50	MP4C	Z	58.317	1.25
51	MP4C	Mx	0.048	1.25
52	MP4C	X	-33.669	3.25
53	MP4C	Z	58.317	3.25
54	MP4C	Mx	0.048	3.25
55	MP3A	X	-8.03	4
56	MP3A	Z	13.908	4
57	MP3A	Mx	-0.006	4
58	MP3B	X	-6.763	4
59	MP3B	Z	11.715	4
60	MP3B	Mx	0.007	4
61	MP3C	X	-8.03	4
62	MP3C	Z	13.908	4

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
63	MP3C	Mx	-0.006	4
64	MP2A	X	-33.222	4.5
65	MP2A	Z	57.543	4.5
66	MP2A	Mx	-0.023	4.5
67	MP2B	X	-27.557	4.5
68	MP2B	Z	47.73	4.5
69	MP2B	Mx	0.027	4.5
70	MP2C	X	-33.222	4.5
71	MP2C	Z	57.543	4.5
72	MP2C	Mx	-0.023	4.5
73	MP1A	X	-40.341	4.5
74	MP1A	Z	69.873	4.5
75	MP1A	Mx	-0.029	4.5
76	MP1B	X	-33.732	4.5
77	MP1B	Z	58.425	4.5
78	MP1B	Mx	0.033	4.5
79	MP1C	X	-40.341	4.5
80	MP1C	Z	69.873	4.5
81	MP1C	Mx	-0.029	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	-137.586	1.75
2	MP1A	Z	79.436	1.75
3	MP1A	Mx	0.181	1.75
4	MP1A	X	-137.586	6.75
5	MP1A	Z	79.436	6.75
6	MP1A	Mx	0.181	6.75
7	MP1B	X	-137.586	1.75
8	MP1B	Z	79.436	1.75
9	MP1B	Mx	-0.126	1.75
10	MP1B	X	-137.586	6.75
11	MP1B	Z	79.436	6.75
12	MP1B	Mx	-0.126	6.75
13	MP1C	X	-197.746	1.75
14	MP1C	Z	114.168	1.75
15	MP1C	Mx	-0.088	1.75
16	MP1C	X	-197.746	6.75
17	MP1C	Z	114.168	6.75
18	MP1C	Mx	-0.088	6.75
19	MP1A	X	-137.586	1.75
20	MP1A	Z	79.436	1.75
21	MP1A	Mx	0.126	1.75
22	MP1A	X	-137.586	6.75
23	MP1A	Z	79.436	6.75
24	MP1A	Mx	0.126	6.75
25	MP1B	X	-137.586	1.75
26	MP1B	Z	79.436	1.75
27	MP1B	Mx	-0.181	1.75
28	MP1B	X	-137.586	6.75
29	MP1B	Z	79.436	6.75
30	MP1B	Mx	-0.181	6.75
31	MP1C	X	-197.746	1.75
32	MP1C	Z	114.168	1.75
33	MP1C	Mx	0.206	1.75

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
34	MP1C	X	-197.746	6.75
35	MP1C	Z	114.168	6.75
36	MP1C	Mx	0.206	6.75
37	MP4A	X	-35.899	1.25
38	MP4A	Z	20.726	1.25
39	MP4A	Mx	0.04	1.25
40	MP4A	X	-35.899	3.25
41	MP4A	Z	20.726	3.25
42	MP4A	Mx	0.04	3.25
43	MP4B	X	-35.899	1.25
44	MP4B	Z	20.726	1.25
45	MP4B	Mx	-0.04	1.25
46	MP4B	X	-35.899	3.25
47	MP4B	Z	20.726	3.25
48	MP4B	Mx	-0.04	3.25
49	MP4C	X	-80.735	1.25
50	MP4C	Z	46.612	1.25
51	MP4C	Mx	0.024	1.25
52	MP4C	X	-80.735	3.25
53	MP4C	Z	46.612	3.25
54	MP4C	Mx	0.024	3.25
55	MP3A	X	-11.715	4
56	MP3A	Z	6.763	4
57	MP3A	Mx	-0.007	4
58	MP3B	X	-11.715	4
59	MP3B	Z	6.763	4
60	MP3B	Mx	0.007	4
61	MP3C	X	-16.101	4
62	MP3C	Z	9.296	4
63	MP3C	Mx	-0.002	4
64	MP2A	X	-47.73	4.5
65	MP2A	Z	27.557	4.5
66	MP2A	Mx	-0.027	4.5
67	MP2B	X	-47.73	4.5
68	MP2B	Z	27.557	4.5
69	MP2B	Mx	0.027	4.5
70	MP2C	X	-67.355	4.5
71	MP2C	Z	38.888	4.5
72	MP2C	Mx	-0.01	4.5
73	MP1A	X	-58.425	4.5
74	MP1A	Z	33.732	4.5
75	MP1A	Mx	-0.033	4.5
76	MP1B	X	-58.425	4.5
77	MP1B	Z	33.732	4.5
78	MP1B	Mx	0.033	4.5
79	MP1C	X	-81.321	4.5
80	MP1C	Z	46.951	4.5
81	MP1C	Mx	-0.012	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	-158.871	1.75
2	MP1A	Z	0	1.75
3	MP1A	Mx	0.126	1.75
4	MP1A	X	-158.871	6.75

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
5	MP1A	Z	0	6.75
6	MP1A	Mx	0.126	6.75
7	MP1B	X	-193.604	1.75
8	MP1B	Z	0	1.75
9	MP1B	Mx	-0.046	1.75
10	MP1B	X	-193.604	6.75
11	MP1B	Z	0	6.75
12	MP1B	Mx	-0.046	6.75
13	MP1C	X	-228.337	1.75
14	MP1C	Z	0	1.75
15	MP1C	Mx	-0.206	1.75
16	MP1C	X	-228.337	6.75
17	MP1C	Z	0	6.75
18	MP1C	Mx	-0.206	6.75
19	MP1A	X	-158.871	1.75
20	MP1A	Z	0	1.75
21	MP1A	Mx	0.181	1.75
22	MP1A	X	-158.871	6.75
23	MP1A	Z	0	6.75
24	MP1A	Mx	0.181	6.75
25	MP1B	X	-193.604	1.75
26	MP1B	Z	0	1.75
27	MP1B	Mx	-0.228	1.75
28	MP1B	X	-193.604	6.75
29	MP1B	Z	0	6.75
30	MP1B	Mx	-0.228	6.75
31	MP1C	X	-228.337	1.75
32	MP1C	Z	0	1.75
33	MP1C	Mx	0.088	1.75
34	MP1C	X	-228.337	6.75
35	MP1C	Z	0	6.75
36	MP1C	Mx	0.088	6.75
37	MP4A	X	-41.453	1.25
38	MP4A	Z	0	1.25
39	MP4A	Mx	0.04	1.25
40	MP4A	X	-41.453	3.25
41	MP4A	Z	0	3.25
42	MP4A	Mx	0.04	3.25
43	MP4B	X	-67.339	1.25
44	MP4B	Z	0	1.25
45	MP4B	Mx	-0.048	1.25
46	MP4B	X	-67.339	3.25
47	MP4B	Z	0	3.25
48	MP4B	Mx	-0.048	3.25
49	MP4C	X	-93.225	1.25
50	MP4C	Z	0	1.25
51	MP4C	Mx	-0.024	1.25
52	MP4C	X	-93.225	3.25
53	MP4C	Z	0	3.25
54	MP4C	Mx	-0.024	3.25
55	MP3A	X	-13.527	4
56	MP3A	Z	0	4
57	MP3A	Mx	-0.007	4
58	MP3B	X	-16.06	4
59	MP3B	Z	0	4

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
60	MP3B	Mx	0.006	4
61	MP3C	X	-18.592	4
62	MP3C	Z	0	4
63	MP3C	Mx	0.002	4
64	MP2A	X	-55.114	4.5
65	MP2A	Z	0	4.5
66	MP2A	Mx	-0.027	4.5
67	MP2B	X	-66.444	4.5
68	MP2B	Z	0	4.5
69	MP2B	Mx	0.023	4.5
70	MP2C	X	-77.775	4.5
71	MP2C	Z	0	4.5
72	MP2C	Mx	0.01	4.5
73	MP1A	X	-67.463	4.5
74	MP1A	Z	0	4.5
75	MP1A	Mx	-0.033	4.5
76	MP1B	X	-80.683	4.5
77	MP1B	Z	0	4.5
78	MP1B	Mx	0.029	4.5
79	MP1C	X	-93.902	4.5
80	MP1C	Z	0	4.5
81	MP1C	Mx	0.012	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	-167.666	1.75
2	MP1A	Z	-96.802	1.75
3	MP1A	Mx	0.046	1.75
4	MP1A	X	-167.666	6.75
5	MP1A	Z	-96.802	6.75
6	MP1A	Mx	0.046	6.75
7	MP1B	X	-197.746	1.75
8	MP1B	Z	-114.168	1.75
9	MP1B	Mx	0.088	1.75
10	MP1B	X	-197.746	6.75
11	MP1B	Z	-114.168	6.75
12	MP1B	Mx	0.088	6.75
13	MP1C	X	-167.666	1.75
14	MP1C	Z	-96.802	1.75
15	MP1C	Mx	-0.228	1.75
16	MP1C	X	-167.666	6.75
17	MP1C	Z	-96.802	6.75
18	MP1C	Mx	-0.228	6.75
19	MP1A	X	-167.666	1.75
20	MP1A	Z	-96.802	1.75
21	MP1A	Mx	0.228	1.75
22	MP1A	X	-167.666	6.75
23	MP1A	Z	-96.802	6.75
24	MP1A	Mx	0.228	6.75
25	MP1B	X	-197.746	1.75
26	MP1B	Z	-114.168	1.75
27	MP1B	Mx	-0.206	1.75
28	MP1B	X	-197.746	6.75
29	MP1B	Z	-114.168	6.75
30	MP1B	Mx	-0.206	6.75

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
31	MP1C	X	-167.666	1.75
32	MP1C	Z	-96.802	1.75
33	MP1C	Mx	-0.046	1.75
34	MP1C	X	-167.666	6.75
35	MP1C	Z	-96.802	6.75
36	MP1C	Mx	-0.046	6.75
37	MP4A	X	-58.317	1.25
38	MP4A	Z	-33.669	1.25
39	MP4A	Mx	0.048	1.25
40	MP4A	X	-58.317	3.25
41	MP4A	Z	-33.669	3.25
42	MP4A	Mx	0.048	3.25
43	MP4B	X	-80.735	1.25
44	MP4B	Z	-46.612	1.25
45	MP4B	Mx	-0.024	1.25
46	MP4B	X	-80.735	3.25
47	MP4B	Z	-46.612	3.25
48	MP4B	Mx	-0.024	3.25
49	MP4C	X	-58.317	1.25
50	MP4C	Z	-33.669	1.25
51	MP4C	Mx	-0.048	1.25
52	MP4C	X	-58.317	3.25
53	MP4C	Z	-33.669	3.25
54	MP4C	Mx	-0.048	3.25
55	MP3A	X	-13.908	4
56	MP3A	Z	-8.03	4
57	MP3A	Mx	-0.006	4
58	MP3B	X	-16.101	4
59	MP3B	Z	-9.296	4
60	MP3B	Mx	0.002	4
61	MP3C	X	-13.908	4
62	MP3C	Z	-8.03	4
63	MP3C	Mx	0.006	4
64	MP2A	X	-57.543	4.5
65	MP2A	Z	-33.222	4.5
66	MP2A	Mx	-0.023	4.5
67	MP2B	X	-67.355	4.5
68	MP2B	Z	-38.888	4.5
69	MP2B	Mx	0.01	4.5
70	MP2C	X	-57.543	4.5
71	MP2C	Z	-33.222	4.5
72	MP2C	Mx	0.023	4.5
73	MP1A	X	-69.873	4.5
74	MP1A	Z	-40.341	4.5
75	MP1A	Mx	-0.029	4.5
76	MP1B	X	-81.321	4.5
77	MP1B	Z	-46.951	4.5
78	MP1B	Mx	0.012	4.5
79	MP1C	X	-69.873	4.5
80	MP1C	Z	-40.341	4.5
81	MP1C	Mx	0.029	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	-114.168	1.75
2	MP1A	Z	-197.746	1.75
3	MP1A	Mx	-0.088	1.75
4	MP1A	X	-114.168	6.75
5	MP1A	Z	-197.746	6.75
6	MP1A	Mx	-0.088	6.75
7	MP1B	X	-114.168	1.75
8	MP1B	Z	-197.746	1.75
9	MP1B	Mx	0.206	1.75
10	MP1B	X	-114.168	6.75
11	MP1B	Z	-197.746	6.75
12	MP1B	Mx	0.206	6.75
13	MP1C	X	-79.436	1.75
14	MP1C	Z	-137.586	1.75
15	MP1C	Mx	-0.181	1.75
16	MP1C	X	-79.436	6.75
17	MP1C	Z	-137.586	6.75
18	MP1C	Mx	-0.181	6.75
19	MP1A	X	-114.168	1.75
20	MP1A	Z	-197.746	1.75
21	MP1A	Mx	0.206	1.75
22	MP1A	X	-114.168	6.75
23	MP1A	Z	-197.746	6.75
24	MP1A	Mx	0.206	6.75
25	MP1B	X	-114.168	1.75
26	MP1B	Z	-197.746	1.75
27	MP1B	Mx	-0.088	1.75
28	MP1B	X	-114.168	6.75
29	MP1B	Z	-197.746	6.75
30	MP1B	Mx	-0.088	6.75
31	MP1C	X	-79.436	1.75
32	MP1C	Z	-137.586	1.75
33	MP1C	Mx	-0.126	1.75
34	MP1C	X	-79.436	6.75
35	MP1C	Z	-137.586	6.75
36	MP1C	Mx	-0.126	6.75
37	MP4A	X	-46.612	1.25
38	MP4A	Z	-80.735	1.25
39	MP4A	Mx	0.024	1.25
40	MP4A	X	-46.612	3.25
41	MP4A	Z	-80.735	3.25
42	MP4A	Mx	0.024	3.25
43	MP4B	X	-46.612	1.25
44	MP4B	Z	-80.735	1.25
45	MP4B	Mx	0.024	1.25
46	MP4B	X	-46.612	3.25
47	MP4B	Z	-80.735	3.25
48	MP4B	Mx	0.024	3.25
49	MP4C	X	-20.726	1.25
50	MP4C	Z	-35.899	1.25
51	MP4C	Mx	-0.04	1.25
52	MP4C	X	-20.726	3.25
53	MP4C	Z	-35.899	3.25
54	MP4C	Mx	-0.04	3.25
55	MP3A	X	-9.296	4

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
56	MP3A	Z	-16.101	4
57	MP3A	Mx	-0.002	4
58	MP3B	X	-9.296	4
59	MP3B	Z	-16.101	4
60	MP3B	Mx	-0.002	4
61	MP3C	X	-6.763	4
62	MP3C	Z	-11.715	4
63	MP3C	Mx	0.007	4
64	MP2A	X	-38.888	4.5
65	MP2A	Z	-67.355	4.5
66	MP2A	Mx	-0.01	4.5
67	MP2B	X	-38.888	4.5
68	MP2B	Z	-67.355	4.5
69	MP2B	Mx	-0.01	4.5
70	MP2C	X	-27.557	4.5
71	MP2C	Z	-47.73	4.5
72	MP2C	Mx	0.027	4.5
73	MP1A	X	-46.951	4.5
74	MP1A	Z	-81.321	4.5
75	MP1A	Mx	-0.012	4.5
76	MP1B	X	-46.951	4.5
77	MP1B	Z	-81.321	4.5
78	MP1B	Mx	-0.012	4.5
79	MP1C	X	-33.732	4.5
80	MP1C	Z	-58.425	4.5
81	MP1C	Mx	0.033	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	0	1.75
2	MP1A	Z	-37.122	1.75
3	MP1A	Mx	-0.034	1.75
4	MP1A	X	0	6.75
5	MP1A	Z	-37.122	6.75
6	MP1A	Mx	-0.034	6.75
7	MP1B	X	0	1.75
8	MP1B	Z	-31.907	1.75
9	MP1B	Mx	0.038	1.75
10	MP1B	X	0	6.75
11	MP1B	Z	-31.907	6.75
12	MP1B	Mx	0.038	6.75
13	MP1C	X	0	1.75
14	MP1C	Z	-26.692	1.75
15	MP1C	Mx	-0.021	1.75
16	MP1C	X	0	6.75
17	MP1C	Z	-26.692	6.75
18	MP1C	Mx	-0.021	6.75
19	MP1A	X	0	1.75
20	MP1A	Z	-37.122	1.75
21	MP1A	Mx	0.014	1.75
22	MP1A	X	0	6.75
23	MP1A	Z	-37.122	6.75
24	MP1A	Mx	0.014	6.75
25	MP1B	X	0	1.75
26	MP1B	Z	-31.907	1.75

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
27	MP1B	Mx	0.008	1.75
28	MP1B	X	0	6.75
29	MP1B	Z	-31.907	6.75
30	MP1B	Mx	0.008	6.75
31	MP1C	X	0	1.75
32	MP1C	Z	-26.692	1.75
33	MP1C	Mx	-0.03	1.75
34	MP1C	X	0	6.75
35	MP1C	Z	-26.692	6.75
36	MP1C	Mx	-0.03	6.75
37	MP4A	X	0	1.25
38	MP4A	Z	-15.832	1.25
39	MP4A	Mx	-0.004	1.25
40	MP4A	X	0	3.25
41	MP4A	Z	-15.832	3.25
42	MP4A	Mx	-0.004	3.25
43	MP4B	X	0	1.25
44	MP4B	Z	-11.716	1.25
45	MP4B	Mx	0.008	1.25
46	MP4B	X	0	3.25
47	MP4B	Z	-11.716	3.25
48	MP4B	Mx	0.008	3.25
49	MP4C	X	0	1.25
50	MP4C	Z	-7.599	1.25
51	MP4C	Mx	-0.007	1.25
52	MP4C	X	0	3.25
53	MP4C	Z	-7.599	3.25
54	MP4C	Mx	-0.007	3.25
55	MP3A	X	0	4
56	MP3A	Z	-4.073	4
57	MP3A	Mx	0.000527	4
58	MP3B	X	0	4
59	MP3B	Z	-3.626	4
60	MP3B	Mx	-0.001	4
61	MP3C	X	0	4
62	MP3C	Z	-3.18	4
63	MP3C	Mx	0.002	4
64	MP2A	X	0	4.5
65	MP2A	Z	-16.674	4.5
66	MP2A	Mx	0.002	4.5
67	MP2B	X	0	4.5
68	MP2B	Z	-14.433	4.5
69	MP2B	Mx	-0.005	4.5
70	MP2C	X	0	4.5
71	MP2C	Z	-12.192	4.5
72	MP2C	Mx	0.006	4.5
73	MP1A	X	0	4.5
74	MP1A	Z	-16.688	4.5
75	MP1A	Mx	0.002	4.5
76	MP1B	X	0	4.5
77	MP1B	Z	-14.536	4.5
78	MP1B	Mx	-0.005	4.5
79	MP1C	X	0	4.5
80	MP1C	Z	-12.385	4.5
81	MP1C	Mx	0.006	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	15.954	1.75
2	MP1A	Z	-27.633	1.75
3	MP1A	Mx	-0.038	1.75
4	MP1A	X	15.954	6.75
5	MP1A	Z	-27.633	6.75
6	MP1A	Mx	-0.038	6.75
7	MP1B	X	13.346	1.75
8	MP1B	Z	-23.116	1.75
9	MP1B	Mx	0.03	1.75
10	MP1B	X	13.346	6.75
11	MP1B	Z	-23.116	6.75
12	MP1B	Mx	0.03	6.75
13	MP1C	X	15.954	1.75
14	MP1C	Z	-27.633	1.75
15	MP1C	Mx	-0.008	1.75
16	MP1C	X	15.954	6.75
17	MP1C	Z	-27.633	6.75
18	MP1C	Mx	-0.008	6.75
19	MP1A	X	15.954	1.75
20	MP1A	Z	-27.633	1.75
21	MP1A	Mx	-0.008	1.75
22	MP1A	X	15.954	6.75
23	MP1A	Z	-27.633	6.75
24	MP1A	Mx	-0.008	6.75
25	MP1B	X	13.346	1.75
26	MP1B	Z	-23.116	1.75
27	MP1B	Mx	0.021	1.75
28	MP1B	X	13.346	6.75
29	MP1B	Z	-23.116	6.75
30	MP1B	Mx	0.021	6.75
31	MP1C	X	15.954	1.75
32	MP1C	Z	-27.633	1.75
33	MP1C	Mx	-0.038	1.75
34	MP1C	X	15.954	6.75
35	MP1C	Z	-27.633	6.75
36	MP1C	Mx	-0.038	6.75
37	MP4A	X	5.858	1.25
38	MP4A	Z	-10.146	1.25
39	MP4A	Mx	-0.008	1.25
40	MP4A	X	5.858	3.25
41	MP4A	Z	-10.146	3.25
42	MP4A	Mx	-0.008	3.25
43	MP4B	X	3.8	1.25
44	MP4B	Z	-6.581	1.25
45	MP4B	Mx	0.007	1.25
46	MP4B	X	3.8	3.25
47	MP4B	Z	-6.581	3.25
48	MP4B	Mx	0.007	3.25
49	MP4C	X	5.858	1.25
50	MP4C	Z	-10.146	1.25
51	MP4C	Mx	-0.008	1.25
52	MP4C	X	5.858	3.25
53	MP4C	Z	-10.146	3.25
54	MP4C	Mx	-0.008	3.25
55	MP3A	X	1.813	4

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
56	MP3A	Z	-3.14	4
57	MP3A	Mx	0.001	4
58	MP3B	X	1.59	4
59	MP3B	Z	-2.754	4
60	MP3B	Mx	-0.002	4
61	MP3C	X	1.813	4
62	MP3C	Z	-3.14	4
63	MP3C	Mx	0.001	4
64	MP2A	X	7.216	4.5
65	MP2A	Z	-12.499	4.5
66	MP2A	Mx	0.005	4.5
67	MP2B	X	6.096	4.5
68	MP2B	Z	-10.559	4.5
69	MP2B	Mx	-0.006	4.5
70	MP2C	X	7.216	4.5
71	MP2C	Z	-12.499	4.5
72	MP2C	Mx	0.005	4.5
73	MP1A	X	7.268	4.5
74	MP1A	Z	-12.589	4.5
75	MP1A	Mx	0.005	4.5
76	MP1B	X	6.193	4.5
77	MP1B	Z	-10.726	4.5
78	MP1B	Mx	-0.006	4.5
79	MP1C	X	7.268	4.5
80	MP1C	Z	-12.589	4.5
81	MP1C	Mx	0.005	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	23.116	1.75
2	MP1A	Z	-13.346	1.75
3	MP1A	Mx	-0.03	1.75
4	MP1A	X	23.116	6.75
5	MP1A	Z	-13.346	6.75
6	MP1A	Mx	-0.03	6.75
7	MP1B	X	23.116	1.75
8	MP1B	Z	-13.346	1.75
9	MP1B	Mx	0.021	1.75
10	MP1B	X	23.116	6.75
11	MP1B	Z	-13.346	6.75
12	MP1B	Mx	0.021	6.75
13	MP1C	X	32.149	1.75
14	MP1C	Z	-18.561	1.75
15	MP1C	Mx	0.014	1.75
16	MP1C	X	32.149	6.75
17	MP1C	Z	-18.561	6.75
18	MP1C	Mx	0.014	6.75
19	MP1A	X	23.116	1.75
20	MP1A	Z	-13.346	1.75
21	MP1A	Mx	-0.021	1.75
22	MP1A	X	23.116	6.75
23	MP1A	Z	-13.346	6.75
24	MP1A	Mx	-0.021	6.75
25	MP1B	X	23.116	1.75
26	MP1B	Z	-13.346	1.75

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
27	MP1B	Mx	0.03	1.75
28	MP1B	X	23.116	6.75
29	MP1B	Z	-13.346	6.75
30	MP1B	Mx	0.03	6.75
31	MP1C	X	32.149	1.75
32	MP1C	Z	-18.561	1.75
33	MP1C	Mx	-0.034	1.75
34	MP1C	X	32.149	6.75
35	MP1C	Z	-18.561	6.75
36	MP1C	Mx	-0.034	6.75
37	MP4A	X	6.581	1.25
38	MP4A	Z	-3.8	1.25
39	MP4A	Mx	-0.007	1.25
40	MP4A	X	6.581	3.25
41	MP4A	Z	-3.8	3.25
42	MP4A	Mx	-0.007	3.25
43	MP4B	X	6.581	1.25
44	MP4B	Z	-3.8	1.25
45	MP4B	Mx	0.007	1.25
46	MP4B	X	6.581	3.25
47	MP4B	Z	-3.8	3.25
48	MP4B	Mx	0.007	3.25
49	MP4C	X	13.711	1.25
50	MP4C	Z	-7.916	1.25
51	MP4C	Mx	-0.004	1.25
52	MP4C	X	13.711	3.25
53	MP4C	Z	-7.916	3.25
54	MP4C	Mx	-0.004	3.25
55	MP3A	X	2.754	4
56	MP3A	Z	-1.59	4
57	MP3A	Mx	0.002	4
58	MP3B	X	2.754	4
59	MP3B	Z	-1.59	4
60	MP3B	Mx	-0.002	4
61	MP3C	X	3.527	4
62	MP3C	Z	-2.036	4
63	MP3C	Mx	0.000527	4
64	MP2A	X	10.559	4.5
65	MP2A	Z	-6.096	4.5
66	MP2A	Mx	0.006	4.5
67	MP2B	X	10.559	4.5
68	MP2B	Z	-6.096	4.5
69	MP2B	Mx	-0.006	4.5
70	MP2C	X	14.44	4.5
71	MP2C	Z	-8.337	4.5
72	MP2C	Mx	0.002	4.5
73	MP1A	X	10.726	4.5
74	MP1A	Z	-6.193	4.5
75	MP1A	Mx	0.006	4.5
76	MP1B	X	10.726	4.5
77	MP1B	Z	-6.193	4.5
78	MP1B	Mx	-0.006	4.5
79	MP1C	X	14.452	4.5
80	MP1C	Z	-8.344	4.5
81	MP1C	Mx	0.002	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	26.692	1.75
2	MP1A	Z	0	1.75
3	MP1A	Mx	-0.021	1.75
4	MP1A	X	26.692	6.75
5	MP1A	Z	0	6.75
6	MP1A	Mx	-0.021	6.75
7	MP1B	X	31.907	1.75
8	MP1B	Z	0	1.75
9	MP1B	Mx	0.008	1.75
10	MP1B	X	31.907	6.75
11	MP1B	Z	0	6.75
12	MP1B	Mx	0.008	6.75
13	MP1C	X	37.122	1.75
14	MP1C	Z	0	1.75
15	MP1C	Mx	0.034	1.75
16	MP1C	X	37.122	6.75
17	MP1C	Z	0	6.75
18	MP1C	Mx	0.034	6.75
19	MP1A	X	26.692	1.75
20	MP1A	Z	0	1.75
21	MP1A	Mx	-0.03	1.75
22	MP1A	X	26.692	6.75
23	MP1A	Z	0	6.75
24	MP1A	Mx	-0.03	6.75
25	MP1B	X	31.907	1.75
26	MP1B	Z	0	1.75
27	MP1B	Mx	0.038	1.75
28	MP1B	X	31.907	6.75
29	MP1B	Z	0	6.75
30	MP1B	Mx	0.038	6.75
31	MP1C	X	37.122	1.75
32	MP1C	Z	0	1.75
33	MP1C	Mx	-0.014	1.75
34	MP1C	X	37.122	6.75
35	MP1C	Z	0	6.75
36	MP1C	Mx	-0.014	6.75
37	MP4A	X	7.599	1.25
38	MP4A	Z	0	1.25
39	MP4A	Mx	-0.007	1.25
40	MP4A	X	7.599	3.25
41	MP4A	Z	0	3.25
42	MP4A	Mx	-0.007	3.25
43	MP4B	X	11.716	1.25
44	MP4B	Z	0	1.25
45	MP4B	Mx	0.008	1.25
46	MP4B	X	11.716	3.25
47	MP4B	Z	0	3.25
48	MP4B	Mx	0.008	3.25
49	MP4C	X	15.832	1.25
50	MP4C	Z	0	1.25
51	MP4C	Mx	0.004	1.25
52	MP4C	X	15.832	3.25
53	MP4C	Z	0	3.25
54	MP4C	Mx	0.004	3.25
55	MP3A	X	3.18	4

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
56	MP3A	Z	0	4
57	MP3A	Mx	0.002	4
58	MP3B	X	3.626	4
59	MP3B	Z	0	4
60	MP3B	Mx	-0.001	4
61	MP3C	X	4.073	4
62	MP3C	Z	0	4
63	MP3C	Mx	-0.000527	4
64	MP2A	X	12.192	4.5
65	MP2A	Z	0	4.5
66	MP2A	Mx	0.006	4.5
67	MP2B	X	14.433	4.5
68	MP2B	Z	0	4.5
69	MP2B	Mx	-0.005	4.5
70	MP2C	X	16.674	4.5
71	MP2C	Z	0	4.5
72	MP2C	Mx	-0.002	4.5
73	MP1A	X	12.385	4.5
74	MP1A	Z	0	4.5
75	MP1A	Mx	0.006	4.5
76	MP1B	X	14.536	4.5
77	MP1B	Z	0	4.5
78	MP1B	Mx	-0.005	4.5
79	MP1C	X	16.688	4.5
80	MP1C	Z	0	4.5
81	MP1C	Mx	-0.002	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	27.633	1.75
2	MP1A	Z	15.954	1.75
3	MP1A	Mx	-0.008	1.75
4	MP1A	X	27.633	6.75
5	MP1A	Z	15.954	6.75
6	MP1A	Mx	-0.008	6.75
7	MP1B	X	32.149	1.75
8	MP1B	Z	18.561	1.75
9	MP1B	Mx	-0.014	1.75
10	MP1B	X	32.149	6.75
11	MP1B	Z	18.561	6.75
12	MP1B	Mx	-0.014	6.75
13	MP1C	X	27.633	1.75
14	MP1C	Z	15.954	1.75
15	MP1C	Mx	0.038	1.75
16	MP1C	X	27.633	6.75
17	MP1C	Z	15.954	6.75
18	MP1C	Mx	0.038	6.75
19	MP1A	X	27.633	1.75
20	MP1A	Z	15.954	1.75
21	MP1A	Mx	-0.038	1.75
22	MP1A	X	27.633	6.75
23	MP1A	Z	15.954	6.75
24	MP1A	Mx	-0.038	6.75
25	MP1B	X	32.149	1.75
26	MP1B	Z	18.561	1.75

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
27	MP1B	Mx	0.034	1.75
28	MP1B	X	32.149	6.75
29	MP1B	Z	18.561	6.75
30	MP1B	Mx	0.034	6.75
31	MP1C	X	27.633	1.75
32	MP1C	Z	15.954	1.75
33	MP1C	Mx	0.008	1.75
34	MP1C	X	27.633	6.75
35	MP1C	Z	15.954	6.75
36	MP1C	Mx	0.008	6.75
37	MP4A	X	10.146	1.25
38	MP4A	Z	5.858	1.25
39	MP4A	Mx	-0.008	1.25
40	MP4A	X	10.146	3.25
41	MP4A	Z	5.858	3.25
42	MP4A	Mx	-0.008	3.25
43	MP4B	X	13.711	1.25
44	MP4B	Z	7.916	1.25
45	MP4B	Mx	0.004	1.25
46	MP4B	X	13.711	3.25
47	MP4B	Z	7.916	3.25
48	MP4B	Mx	0.004	3.25
49	MP4C	X	10.146	1.25
50	MP4C	Z	5.858	1.25
51	MP4C	Mx	0.008	1.25
52	MP4C	X	10.146	3.25
53	MP4C	Z	5.858	3.25
54	MP4C	Mx	0.008	3.25
55	MP3A	X	3.14	4
56	MP3A	Z	1.813	4
57	MP3A	Mx	0.001	4
58	MP3B	X	3.527	4
59	MP3B	Z	2.036	4
60	MP3B	Mx	-0.000527	4
61	MP3C	X	3.14	4
62	MP3C	Z	1.813	4
63	MP3C	Mx	-0.001	4
64	MP2A	X	12.499	4.5
65	MP2A	Z	7.216	4.5
66	MP2A	Mx	0.005	4.5
67	MP2B	X	14.44	4.5
68	MP2B	Z	8.337	4.5
69	MP2B	Mx	-0.002	4.5
70	MP2C	X	12.499	4.5
71	MP2C	Z	7.216	4.5
72	MP2C	Mx	-0.005	4.5
73	MP1A	X	12.589	4.5
74	MP1A	Z	7.268	4.5
75	MP1A	Mx	0.005	4.5
76	MP1B	X	14.452	4.5
77	MP1B	Z	8.344	4.5
78	MP1B	Mx	-0.002	4.5
79	MP1C	X	12.589	4.5
80	MP1C	Z	7.268	4.5
81	MP1C	Mx	-0.005	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	18.561	1.75
2	MP1A	Z	32.149	1.75
3	MP1A	Mx	0.014	1.75
4	MP1A	X	18.561	6.75
5	MP1A	Z	32.149	6.75
6	MP1A	Mx	0.014	6.75
7	MP1B	X	18.561	1.75
8	MP1B	Z	32.149	1.75
9	MP1B	Mx	-0.034	1.75
10	MP1B	X	18.561	6.75
11	MP1B	Z	32.149	6.75
12	MP1B	Mx	-0.034	6.75
13	MP1C	X	13.346	1.75
14	MP1C	Z	23.116	1.75
15	MP1C	Mx	0.03	1.75
16	MP1C	X	13.346	6.75
17	MP1C	Z	23.116	6.75
18	MP1C	Mx	0.03	6.75
19	MP1A	X	18.561	1.75
20	MP1A	Z	32.149	1.75
21	MP1A	Mx	-0.034	1.75
22	MP1A	X	18.561	6.75
23	MP1A	Z	32.149	6.75
24	MP1A	Mx	-0.034	6.75
25	MP1B	X	18.561	1.75
26	MP1B	Z	32.149	1.75
27	MP1B	Mx	0.014	1.75
28	MP1B	X	18.561	6.75
29	MP1B	Z	32.149	6.75
30	MP1B	Mx	0.014	6.75
31	MP1C	X	13.346	1.75
32	MP1C	Z	23.116	1.75
33	MP1C	Mx	0.021	1.75
34	MP1C	X	13.346	6.75
35	MP1C	Z	23.116	6.75
36	MP1C	Mx	0.021	6.75
37	MP4A	X	7.916	1.25
38	MP4A	Z	13.711	1.25
39	MP4A	Mx	-0.004	1.25
40	MP4A	X	7.916	3.25
41	MP4A	Z	13.711	3.25
42	MP4A	Mx	-0.004	3.25
43	MP4B	X	7.916	1.25
44	MP4B	Z	13.711	1.25
45	MP4B	Mx	-0.004	1.25
46	MP4B	X	7.916	3.25
47	MP4B	Z	13.711	3.25
48	MP4B	Mx	-0.004	3.25
49	MP4C	X	3.8	1.25
50	MP4C	Z	6.581	1.25
51	MP4C	Mx	0.007	1.25
52	MP4C	X	3.8	3.25
53	MP4C	Z	6.581	3.25
54	MP4C	Mx	0.007	3.25
55	MP3A	X	2.036	4

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
56	MP3A	Z	3.527	4
57	MP3A	Mx	0.000527	4
58	MP3B	X	2.036	4
59	MP3B	Z	3.527	4
60	MP3B	Mx	0.000527	4
61	MP3C	X	1.59	4
62	MP3C	Z	2.754	4
63	MP3C	Mx	-0.002	4
64	MP2A	X	8.337	4.5
65	MP2A	Z	14.44	4.5
66	MP2A	Mx	0.002	4.5
67	MP2B	X	8.337	4.5
68	MP2B	Z	14.44	4.5
69	MP2B	Mx	0.002	4.5
70	MP2C	X	6.096	4.5
71	MP2C	Z	10.559	4.5
72	MP2C	Mx	-0.006	4.5
73	MP1A	X	8.344	4.5
74	MP1A	Z	14.452	4.5
75	MP1A	Mx	0.002	4.5
76	MP1B	X	8.344	4.5
77	MP1B	Z	14.452	4.5
78	MP1B	Mx	0.002	4.5
79	MP1C	X	6.193	4.5
80	MP1C	Z	10.726	4.5
81	MP1C	Mx	-0.006	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	0	1.75
2	MP1A	Z	37.122	1.75
3	MP1A	Mx	0.034	1.75
4	MP1A	X	0	6.75
5	MP1A	Z	37.122	6.75
6	MP1A	Mx	0.034	6.75
7	MP1B	X	0	1.75
8	MP1B	Z	31.907	1.75
9	MP1B	Mx	-0.038	1.75
10	MP1B	X	0	6.75
11	MP1B	Z	31.907	6.75
12	MP1B	Mx	-0.038	6.75
13	MP1C	X	0	1.75
14	MP1C	Z	26.692	1.75
15	MP1C	Mx	0.021	1.75
16	MP1C	X	0	6.75
17	MP1C	Z	26.692	6.75
18	MP1C	Mx	0.021	6.75
19	MP1A	X	0	1.75
20	MP1A	Z	37.122	1.75
21	MP1A	Mx	-0.014	1.75
22	MP1A	X	0	6.75
23	MP1A	Z	37.122	6.75
24	MP1A	Mx	-0.014	6.75
25	MP1B	X	0	1.75
26	MP1B	Z	31.907	1.75

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
27	MP1B	Mx	-0.008	1.75
28	MP1B	X	0	6.75
29	MP1B	Z	31.907	6.75
30	MP1B	Mx	-0.008	6.75
31	MP1C	X	0	1.75
32	MP1C	Z	26.692	1.75
33	MP1C	Mx	0.03	1.75
34	MP1C	X	0	6.75
35	MP1C	Z	26.692	6.75
36	MP1C	Mx	0.03	6.75
37	MP4A	X	0	1.25
38	MP4A	Z	15.832	1.25
39	MP4A	Mx	0.004	1.25
40	MP4A	X	0	3.25
41	MP4A	Z	15.832	3.25
42	MP4A	Mx	0.004	3.25
43	MP4B	X	0	1.25
44	MP4B	Z	11.716	1.25
45	MP4B	Mx	-0.008	1.25
46	MP4B	X	0	3.25
47	MP4B	Z	11.716	3.25
48	MP4B	Mx	-0.008	3.25
49	MP4C	X	0	1.25
50	MP4C	Z	7.599	1.25
51	MP4C	Mx	0.007	1.25
52	MP4C	X	0	3.25
53	MP4C	Z	7.599	3.25
54	MP4C	Mx	0.007	3.25
55	MP3A	X	0	4
56	MP3A	Z	4.073	4
57	MP3A	Mx	-0.000527	4
58	MP3B	X	0	4
59	MP3B	Z	3.626	4
60	MP3B	Mx	0.001	4
61	MP3C	X	0	4
62	MP3C	Z	3.18	4
63	MP3C	Mx	-0.002	4
64	MP2A	X	0	4.5
65	MP2A	Z	16.674	4.5
66	MP2A	Mx	-0.002	4.5
67	MP2B	X	0	4.5
68	MP2B	Z	14.433	4.5
69	MP2B	Mx	0.005	4.5
70	MP2C	X	0	4.5
71	MP2C	Z	12.192	4.5
72	MP2C	Mx	-0.006	4.5
73	MP1A	X	0	4.5
74	MP1A	Z	16.688	4.5
75	MP1A	Mx	-0.002	4.5
76	MP1B	X	0	4.5
77	MP1B	Z	14.536	4.5
78	MP1B	Mx	0.005	4.5
79	MP1C	X	0	4.5
80	MP1C	Z	12.385	4.5
81	MP1C	Mx	-0.006	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	-15.954	1.75
2	MP1A	Z	27.633	1.75
3	MP1A	Mx	0.038	1.75
4	MP1A	X	-15.954	6.75
5	MP1A	Z	27.633	6.75
6	MP1A	Mx	0.038	6.75
7	MP1B	X	-13.346	1.75
8	MP1B	Z	23.116	1.75
9	MP1B	Mx	-0.03	1.75
10	MP1B	X	-13.346	6.75
11	MP1B	Z	23.116	6.75
12	MP1B	Mx	-0.03	6.75
13	MP1C	X	-15.954	1.75
14	MP1C	Z	27.633	1.75
15	MP1C	Mx	0.008	1.75
16	MP1C	X	-15.954	6.75
17	MP1C	Z	27.633	6.75
18	MP1C	Mx	0.008	6.75
19	MP1A	X	-15.954	1.75
20	MP1A	Z	27.633	1.75
21	MP1A	Mx	0.008	1.75
22	MP1A	X	-15.954	6.75
23	MP1A	Z	27.633	6.75
24	MP1A	Mx	0.008	6.75
25	MP1B	X	-13.346	1.75
26	MP1B	Z	23.116	1.75
27	MP1B	Mx	-0.021	1.75
28	MP1B	X	-13.346	6.75
29	MP1B	Z	23.116	6.75
30	MP1B	Mx	-0.021	6.75
31	MP1C	X	-15.954	1.75
32	MP1C	Z	27.633	1.75
33	MP1C	Mx	0.038	1.75
34	MP1C	X	-15.954	6.75
35	MP1C	Z	27.633	6.75
36	MP1C	Mx	0.038	6.75
37	MP4A	X	-5.858	1.25
38	MP4A	Z	10.146	1.25
39	MP4A	Mx	0.008	1.25
40	MP4A	X	-5.858	3.25
41	MP4A	Z	10.146	3.25
42	MP4A	Mx	0.008	3.25
43	MP4B	X	-3.8	1.25
44	MP4B	Z	6.581	1.25
45	MP4B	Mx	-0.007	1.25
46	MP4B	X	-3.8	3.25
47	MP4B	Z	6.581	3.25
48	MP4B	Mx	-0.007	3.25
49	MP4C	X	-5.858	1.25
50	MP4C	Z	10.146	1.25
51	MP4C	Mx	0.008	1.25
52	MP4C	X	-5.858	3.25
53	MP4C	Z	10.146	3.25
54	MP4C	Mx	0.008	3.25
55	MP3A	X	-1.813	4

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
56	MP3A	Z	3.14	4
57	MP3A	Mx	-0.001	4
58	MP3B	X	-1.59	4
59	MP3B	Z	2.754	4
60	MP3B	Mx	0.002	4
61	MP3C	X	-1.813	4
62	MP3C	Z	3.14	4
63	MP3C	Mx	-0.001	4
64	MP2A	X	-7.216	4.5
65	MP2A	Z	12.499	4.5
66	MP2A	Mx	-0.005	4.5
67	MP2B	X	-6.096	4.5
68	MP2B	Z	10.559	4.5
69	MP2B	Mx	0.006	4.5
70	MP2C	X	-7.216	4.5
71	MP2C	Z	12.499	4.5
72	MP2C	Mx	-0.005	4.5
73	MP1A	X	-7.268	4.5
74	MP1A	Z	12.589	4.5
75	MP1A	Mx	-0.005	4.5
76	MP1B	X	-6.193	4.5
77	MP1B	Z	10.726	4.5
78	MP1B	Mx	0.006	4.5
79	MP1C	X	-7.268	4.5
80	MP1C	Z	12.589	4.5
81	MP1C	Mx	-0.005	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	-23.116	1.75
2	MP1A	Z	13.346	1.75
3	MP1A	Mx	0.03	1.75
4	MP1A	X	-23.116	6.75
5	MP1A	Z	13.346	6.75
6	MP1A	Mx	0.03	6.75
7	MP1B	X	-23.116	1.75
8	MP1B	Z	13.346	1.75
9	MP1B	Mx	-0.021	1.75
10	MP1B	X	-23.116	6.75
11	MP1B	Z	13.346	6.75
12	MP1B	Mx	-0.021	6.75
13	MP1C	X	-32.149	1.75
14	MP1C	Z	18.561	1.75
15	MP1C	Mx	-0.014	1.75
16	MP1C	X	-32.149	6.75
17	MP1C	Z	18.561	6.75
18	MP1C	Mx	-0.014	6.75
19	MP1A	X	-23.116	1.75
20	MP1A	Z	13.346	1.75
21	MP1A	Mx	0.021	1.75
22	MP1A	X	-23.116	6.75
23	MP1A	Z	13.346	6.75
24	MP1A	Mx	0.021	6.75
25	MP1B	X	-23.116	1.75
26	MP1B	Z	13.346	1.75

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
27	MP1B	Mx	-0.03	1.75
28	MP1B	X	-23.116	6.75
29	MP1B	Z	13.346	6.75
30	MP1B	Mx	-0.03	6.75
31	MP1C	X	-32.149	1.75
32	MP1C	Z	18.561	1.75
33	MP1C	Mx	0.034	1.75
34	MP1C	X	-32.149	6.75
35	MP1C	Z	18.561	6.75
36	MP1C	Mx	0.034	6.75
37	MP4A	X	-6.581	1.25
38	MP4A	Z	3.8	1.25
39	MP4A	Mx	0.007	1.25
40	MP4A	X	-6.581	3.25
41	MP4A	Z	3.8	3.25
42	MP4A	Mx	0.007	3.25
43	MP4B	X	-6.581	1.25
44	MP4B	Z	3.8	1.25
45	MP4B	Mx	-0.007	1.25
46	MP4B	X	-6.581	3.25
47	MP4B	Z	3.8	3.25
48	MP4B	Mx	-0.007	3.25
49	MP4C	X	-13.711	1.25
50	MP4C	Z	7.916	1.25
51	MP4C	Mx	0.004	1.25
52	MP4C	X	-13.711	3.25
53	MP4C	Z	7.916	3.25
54	MP4C	Mx	0.004	3.25
55	MP3A	X	-2.754	4
56	MP3A	Z	1.59	4
57	MP3A	Mx	-0.002	4
58	MP3B	X	-2.754	4
59	MP3B	Z	1.59	4
60	MP3B	Mx	0.002	4
61	MP3C	X	-3.527	4
62	MP3C	Z	2.036	4
63	MP3C	Mx	-0.000527	4
64	MP2A	X	-10.559	4.5
65	MP2A	Z	6.096	4.5
66	MP2A	Mx	-0.006	4.5
67	MP2B	X	-10.559	4.5
68	MP2B	Z	6.096	4.5
69	MP2B	Mx	0.006	4.5
70	MP2C	X	-14.44	4.5
71	MP2C	Z	8.337	4.5
72	MP2C	Mx	-0.002	4.5
73	MP1A	X	-10.726	4.5
74	MP1A	Z	6.193	4.5
75	MP1A	Mx	-0.006	4.5
76	MP1B	X	-10.726	4.5
77	MP1B	Z	6.193	4.5
78	MP1B	Mx	0.006	4.5
79	MP1C	X	-14.452	4.5
80	MP1C	Z	8.344	4.5
81	MP1C	Mx	-0.002	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	-26.692	1.75
2	MP1A	Z	0	1.75
3	MP1A	Mx	0.021	1.75
4	MP1A	X	-26.692	6.75
5	MP1A	Z	0	6.75
6	MP1A	Mx	0.021	6.75
7	MP1B	X	-31.907	1.75
8	MP1B	Z	0	1.75
9	MP1B	Mx	-0.008	1.75
10	MP1B	X	-31.907	6.75
11	MP1B	Z	0	6.75
12	MP1B	Mx	-0.008	6.75
13	MP1C	X	-37.122	1.75
14	MP1C	Z	0	1.75
15	MP1C	Mx	-0.034	1.75
16	MP1C	X	-37.122	6.75
17	MP1C	Z	0	6.75
18	MP1C	Mx	-0.034	6.75
19	MP1A	X	-26.692	1.75
20	MP1A	Z	0	1.75
21	MP1A	Mx	0.03	1.75
22	MP1A	X	-26.692	6.75
23	MP1A	Z	0	6.75
24	MP1A	Mx	0.03	6.75
25	MP1B	X	-31.907	1.75
26	MP1B	Z	0	1.75
27	MP1B	Mx	-0.038	1.75
28	MP1B	X	-31.907	6.75
29	MP1B	Z	0	6.75
30	MP1B	Mx	-0.038	6.75
31	MP1C	X	-37.122	1.75
32	MP1C	Z	0	1.75
33	MP1C	Mx	0.014	1.75
34	MP1C	X	-37.122	6.75
35	MP1C	Z	0	6.75
36	MP1C	Mx	0.014	6.75
37	MP4A	X	-7.599	1.25
38	MP4A	Z	0	1.25
39	MP4A	Mx	0.007	1.25
40	MP4A	X	-7.599	3.25
41	MP4A	Z	0	3.25
42	MP4A	Mx	0.007	3.25
43	MP4B	X	-11.716	1.25
44	MP4B	Z	0	1.25
45	MP4B	Mx	-0.008	1.25
46	MP4B	X	-11.716	3.25
47	MP4B	Z	0	3.25
48	MP4B	Mx	-0.008	3.25
49	MP4C	X	-15.832	1.25
50	MP4C	Z	0	1.25
51	MP4C	Mx	-0.004	1.25
52	MP4C	X	-15.832	3.25
53	MP4C	Z	0	3.25
54	MP4C	Mx	-0.004	3.25
55	MP3A	X	-3.18	4

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
56	MP3A	Z	0	4
57	MP3A	Mx	-0.002	4
58	MP3B	X	-3.626	4
59	MP3B	Z	0	4
60	MP3B	Mx	0.001	4
61	MP3C	X	-4.073	4
62	MP3C	Z	0	4
63	MP3C	Mx	0.000527	4
64	MP2A	X	-12.192	4.5
65	MP2A	Z	0	4.5
66	MP2A	Mx	-0.006	4.5
67	MP2B	X	-14.433	4.5
68	MP2B	Z	0	4.5
69	MP2B	Mx	0.005	4.5
70	MP2C	X	-16.674	4.5
71	MP2C	Z	0	4.5
72	MP2C	Mx	0.002	4.5
73	MP1A	X	-12.385	4.5
74	MP1A	Z	0	4.5
75	MP1A	Mx	-0.006	4.5
76	MP1B	X	-14.536	4.5
77	MP1B	Z	0	4.5
78	MP1B	Mx	0.005	4.5
79	MP1C	X	-16.688	4.5
80	MP1C	Z	0	4.5
81	MP1C	Mx	0.002	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	-27.633	1.75
2	MP1A	Z	-15.954	1.75
3	MP1A	Mx	0.008	1.75
4	MP1A	X	-27.633	6.75
5	MP1A	Z	-15.954	6.75
6	MP1A	Mx	0.008	6.75
7	MP1B	X	-32.149	1.75
8	MP1B	Z	-18.561	1.75
9	MP1B	Mx	0.014	1.75
10	MP1B	X	-32.149	6.75
11	MP1B	Z	-18.561	6.75
12	MP1B	Mx	0.014	6.75
13	MP1C	X	-27.633	1.75
14	MP1C	Z	-15.954	1.75
15	MP1C	Mx	-0.038	1.75
16	MP1C	X	-27.633	6.75
17	MP1C	Z	-15.954	6.75
18	MP1C	Mx	-0.038	6.75
19	MP1A	X	-27.633	1.75
20	MP1A	Z	-15.954	1.75
21	MP1A	Mx	0.038	1.75
22	MP1A	X	-27.633	6.75
23	MP1A	Z	-15.954	6.75
24	MP1A	Mx	0.038	6.75
25	MP1B	X	-32.149	1.75
26	MP1B	Z	-18.561	1.75

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
27	MP1B	Mx	-0.034	1.75
28	MP1B	X	-32.149	6.75
29	MP1B	Z	-18.561	6.75
30	MP1B	Mx	-0.034	6.75
31	MP1C	X	-27.633	1.75
32	MP1C	Z	-15.954	1.75
33	MP1C	Mx	-0.008	1.75
34	MP1C	X	-27.633	6.75
35	MP1C	Z	-15.954	6.75
36	MP1C	Mx	-0.008	6.75
37	MP4A	X	-10.146	1.25
38	MP4A	Z	-5.858	1.25
39	MP4A	Mx	0.008	1.25
40	MP4A	X	-10.146	3.25
41	MP4A	Z	-5.858	3.25
42	MP4A	Mx	0.008	3.25
43	MP4B	X	-13.711	1.25
44	MP4B	Z	-7.916	1.25
45	MP4B	Mx	-0.004	1.25
46	MP4B	X	-13.711	3.25
47	MP4B	Z	-7.916	3.25
48	MP4B	Mx	-0.004	3.25
49	MP4C	X	-10.146	1.25
50	MP4C	Z	-5.858	1.25
51	MP4C	Mx	-0.008	1.25
52	MP4C	X	-10.146	3.25
53	MP4C	Z	-5.858	3.25
54	MP4C	Mx	-0.008	3.25
55	MP3A	X	-3.14	4
56	MP3A	Z	-1.813	4
57	MP3A	Mx	-0.001	4
58	MP3B	X	-3.527	4
59	MP3B	Z	-2.036	4
60	MP3B	Mx	0.000527	4
61	MP3C	X	-3.14	4
62	MP3C	Z	-1.813	4
63	MP3C	Mx	0.001	4
64	MP2A	X	-12.499	4.5
65	MP2A	Z	-7.216	4.5
66	MP2A	Mx	-0.005	4.5
67	MP2B	X	-14.44	4.5
68	MP2B	Z	-8.337	4.5
69	MP2B	Mx	0.002	4.5
70	MP2C	X	-12.499	4.5
71	MP2C	Z	-7.216	4.5
72	MP2C	Mx	0.005	4.5
73	MP1A	X	-12.589	4.5
74	MP1A	Z	-7.268	4.5
75	MP1A	Mx	-0.005	4.5
76	MP1B	X	-14.452	4.5
77	MP1B	Z	-8.344	4.5
78	MP1B	Mx	0.002	4.5
79	MP1C	X	-12.589	4.5
80	MP1C	Z	-7.268	4.5
81	MP1C	Mx	0.005	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	-18.561	1.75
2	MP1A	Z	-32.149	1.75
3	MP1A	Mx	-0.014	1.75
4	MP1A	X	-18.561	6.75
5	MP1A	Z	-32.149	6.75
6	MP1A	Mx	-0.014	6.75
7	MP1B	X	-18.561	1.75
8	MP1B	Z	-32.149	1.75
9	MP1B	Mx	0.034	1.75
10	MP1B	X	-18.561	6.75
11	MP1B	Z	-32.149	6.75
12	MP1B	Mx	0.034	6.75
13	MP1C	X	-13.346	1.75
14	MP1C	Z	-23.116	1.75
15	MP1C	Mx	-0.03	1.75
16	MP1C	X	-13.346	6.75
17	MP1C	Z	-23.116	6.75
18	MP1C	Mx	-0.03	6.75
19	MP1A	X	-18.561	1.75
20	MP1A	Z	-32.149	1.75
21	MP1A	Mx	0.034	1.75
22	MP1A	X	-18.561	6.75
23	MP1A	Z	-32.149	6.75
24	MP1A	Mx	0.034	6.75
25	MP1B	X	-18.561	1.75
26	MP1B	Z	-32.149	1.75
27	MP1B	Mx	-0.014	1.75
28	MP1B	X	-18.561	6.75
29	MP1B	Z	-32.149	6.75
30	MP1B	Mx	-0.014	6.75
31	MP1C	X	-13.346	1.75
32	MP1C	Z	-23.116	1.75
33	MP1C	Mx	-0.021	1.75
34	MP1C	X	-13.346	6.75
35	MP1C	Z	-23.116	6.75
36	MP1C	Mx	-0.021	6.75
37	MP4A	X	-7.916	1.25
38	MP4A	Z	-13.711	1.25
39	MP4A	Mx	0.004	1.25
40	MP4A	X	-7.916	3.25
41	MP4A	Z	-13.711	3.25
42	MP4A	Mx	0.004	3.25
43	MP4B	X	-7.916	1.25
44	MP4B	Z	-13.711	1.25
45	MP4B	Mx	0.004	1.25
46	MP4B	X	-7.916	3.25
47	MP4B	Z	-13.711	3.25
48	MP4B	Mx	0.004	3.25
49	MP4C	X	-3.8	1.25
50	MP4C	Z	-6.581	1.25
51	MP4C	Mx	-0.007	1.25
52	MP4C	X	-3.8	3.25
53	MP4C	Z	-6.581	3.25
54	MP4C	Mx	-0.007	3.25
55	MP3A	X	-2.036	4

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
56	MP3A	Z	-3.527	4
57	MP3A	Mx	-0.000527	4
58	MP3B	X	-2.036	4
59	MP3B	Z	-3.527	4
60	MP3B	Mx	-0.000527	4
61	MP3C	X	-1.59	4
62	MP3C	Z	-2.754	4
63	MP3C	Mx	0.002	4
64	MP2A	X	-8.337	4.5
65	MP2A	Z	-14.44	4.5
66	MP2A	Mx	-0.002	4.5
67	MP2B	X	-8.337	4.5
68	MP2B	Z	-14.44	4.5
69	MP2B	Mx	-0.002	4.5
70	MP2C	X	-6.096	4.5
71	MP2C	Z	-10.559	4.5
72	MP2C	Mx	0.006	4.5
73	MP1A	X	-8.344	4.5
74	MP1A	Z	-14.452	4.5
75	MP1A	Mx	-0.002	4.5
76	MP1B	X	-8.344	4.5
77	MP1B	Z	-14.452	4.5
78	MP1B	Mx	-0.002	4.5
79	MP1C	X	-6.193	4.5
80	MP1C	Z	-10.726	4.5
81	MP1C	Mx	0.006	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	0	1.75
2	MP1A	Z	-12.16	1.75
3	MP1A	Mx	-0.011	1.75
4	MP1A	X	0	6.75
5	MP1A	Z	-12.16	6.75
6	MP1A	Mx	-0.011	6.75
7	MP1B	X	0	1.75
8	MP1B	Z	-10.31	1.75
9	MP1B	Mx	0.012	1.75
10	MP1B	X	0	6.75
11	MP1B	Z	-10.31	6.75
12	MP1B	Mx	0.012	6.75
13	MP1C	X	0	1.75
14	MP1C	Z	-8.461	1.75
15	MP1C	Mx	-0.007	1.75
16	MP1C	X	0	6.75
17	MP1C	Z	-8.461	6.75
18	MP1C	Mx	-0.007	6.75
19	MP1A	X	0	1.75
20	MP1A	Z	-12.16	1.75
21	MP1A	Mx	0.005	1.75
22	MP1A	X	0	6.75
23	MP1A	Z	-12.16	6.75
24	MP1A	Mx	0.005	6.75
25	MP1B	X	0	1.75
26	MP1B	Z	-10.31	1.75

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
27	MP1B	Mx	0.002	1.75
28	MP1B	X	0	6.75
29	MP1B	Z	-10.31	6.75
30	MP1B	Mx	0.002	6.75
31	MP1C	X	0	1.75
32	MP1C	Z	-8.461	1.75
33	MP1C	Mx	-0.01	1.75
34	MP1C	X	0	6.75
35	MP1C	Z	-8.461	6.75
36	MP1C	Mx	-0.01	6.75
37	MP4A	X	0	1.25
38	MP4A	Z	-4.965	1.25
39	MP4A	Mx	-0.001	1.25
40	MP4A	X	0	3.25
41	MP4A	Z	-4.965	3.25
42	MP4A	Mx	-0.001	3.25
43	MP4B	X	0	1.25
44	MP4B	Z	-3.586	1.25
45	MP4B	Mx	0.003	1.25
46	MP4B	X	0	3.25
47	MP4B	Z	-3.586	3.25
48	MP4B	Mx	0.003	3.25
49	MP4C	X	0	1.25
50	MP4C	Z	-2.208	1.25
51	MP4C	Mx	-0.002	1.25
52	MP4C	X	0	3.25
53	MP4C	Z	-2.208	3.25
54	MP4C	Mx	-0.002	3.25
55	MP3A	X	0	4
56	MP3A	Z	-0.99	4
57	MP3A	Mx	0.000128	4
58	MP3B	X	0	4
59	MP3B	Z	-0.855	4
60	MP3B	Mx	-0.000302	4
61	MP3C	X	0	4
62	MP3C	Z	-0.72	4
63	MP3C	Mx	0.000348	4
64	MP2A	X	0	4.5
65	MP2A	Z	-4.142	4.5
66	MP2A	Mx	0.000536	4.5
67	MP2B	X	0	4.5
68	MP2B	Z	-3.538	4.5
69	MP2B	Mx	-0.001	4.5
70	MP2C	X	0	4.5
71	MP2C	Z	-2.935	4.5
72	MP2C	Mx	0.001	4.5
73	MP1A	X	0	4.5
74	MP1A	Z	-5.001	4.5
75	MP1A	Mx	0.000647	4.5
76	MP1B	X	0	4.5
77	MP1B	Z	-4.297	4.5
78	MP1B	Mx	-0.002	4.5
79	MP1C	X	0	4.5
80	MP1C	Z	-3.593	4.5
81	MP1C	Mx	0.002	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	5.155	1.75
2	MP1A	Z	-8.929	1.75
3	MP1A	Mx	-0.012	1.75
4	MP1A	X	5.155	6.75
5	MP1A	Z	-8.929	6.75
6	MP1A	Mx	-0.012	6.75
7	MP1B	X	4.23	1.75
8	MP1B	Z	-7.327	1.75
9	MP1B	Mx	0.01	1.75
10	MP1B	X	4.23	6.75
11	MP1B	Z	-7.327	6.75
12	MP1B	Mx	0.01	6.75
13	MP1C	X	5.155	1.75
14	MP1C	Z	-8.929	1.75
15	MP1C	Mx	-0.002	1.75
16	MP1C	X	5.155	6.75
17	MP1C	Z	-8.929	6.75
18	MP1C	Mx	-0.002	6.75
19	MP1A	X	5.155	1.75
20	MP1A	Z	-8.929	1.75
21	MP1A	Mx	-0.002	1.75
22	MP1A	X	5.155	6.75
23	MP1A	Z	-8.929	6.75
24	MP1A	Mx	-0.002	6.75
25	MP1B	X	4.23	1.75
26	MP1B	Z	-7.327	1.75
27	MP1B	Mx	0.007	1.75
28	MP1B	X	4.23	6.75
29	MP1B	Z	-7.327	6.75
30	MP1B	Mx	0.007	6.75
31	MP1C	X	5.155	1.75
32	MP1C	Z	-8.929	1.75
33	MP1C	Mx	-0.012	1.75
34	MP1C	X	5.155	6.75
35	MP1C	Z	-8.929	6.75
36	MP1C	Mx	-0.012	6.75
37	MP4A	X	1.793	1.25
38	MP4A	Z	-3.106	1.25
39	MP4A	Mx	-0.003	1.25
40	MP4A	X	1.793	3.25
41	MP4A	Z	-3.106	3.25
42	MP4A	Mx	-0.003	3.25
43	MP4B	X	1.104	1.25
44	MP4B	Z	-1.912	1.25
45	MP4B	Mx	0.002	1.25
46	MP4B	X	1.104	3.25
47	MP4B	Z	-1.912	3.25
48	MP4B	Mx	0.002	3.25
49	MP4C	X	1.793	1.25
50	MP4C	Z	-3.106	1.25
51	MP4C	Mx	-0.003	1.25
52	MP4C	X	1.793	3.25
53	MP4C	Z	-3.106	3.25
54	MP4C	Mx	-0.003	3.25
55	MP3A	X	0.428	4

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
56	MP3A	Z	-0.741	4
57	MP3A	Mx	0.000303	4
58	MP3B	X	0.36	4
59	MP3B	Z	-0.624	4
60	MP3B	Mx	-0.000348	4
61	MP3C	X	0.428	4
62	MP3C	Z	-0.741	4
63	MP3C	Mx	0.000302	4
64	MP2A	X	1.769	4.5
65	MP2A	Z	-3.064	4.5
66	MP2A	Mx	0.001	4.5
67	MP2B	X	1.468	4.5
68	MP2B	Z	-2.542	4.5
69	MP2B	Mx	-0.001	4.5
70	MP2C	X	1.769	4.5
71	MP2C	Z	-3.064	4.5
72	MP2C	Mx	0.001	4.5
73	MP1A	X	2.148	4.5
74	MP1A	Z	-3.721	4.5
75	MP1A	Mx	0.002	4.5
76	MP1B	X	1.796	4.5
77	MP1B	Z	-3.111	4.5
78	MP1B	Mx	-0.002	4.5
79	MP1C	X	2.148	4.5
80	MP1C	Z	-3.721	4.5
81	MP1C	Mx	0.002	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	7.327	1.75
2	MP1A	Z	-4.23	1.75
3	MP1A	Mx	-0.01	1.75
4	MP1A	X	7.327	6.75
5	MP1A	Z	-4.23	6.75
6	MP1A	Mx	-0.01	6.75
7	MP1B	X	7.327	1.75
8	MP1B	Z	-4.23	1.75
9	MP1B	Mx	0.007	1.75
10	MP1B	X	7.327	6.75
11	MP1B	Z	-4.23	6.75
12	MP1B	Mx	0.007	6.75
13	MP1C	X	10.531	1.75
14	MP1C	Z	-6.08	1.75
15	MP1C	Mx	0.005	1.75
16	MP1C	X	10.531	6.75
17	MP1C	Z	-6.08	6.75
18	MP1C	Mx	0.005	6.75
19	MP1A	X	7.327	1.75
20	MP1A	Z	-4.23	1.75
21	MP1A	Mx	-0.007	1.75
22	MP1A	X	7.327	6.75
23	MP1A	Z	-4.23	6.75
24	MP1A	Mx	-0.007	6.75
25	MP1B	X	7.327	1.75
26	MP1B	Z	-4.23	1.75

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
27	MP1B	Mx	0.01	1.75
28	MP1B	X	7.327	6.75
29	MP1B	Z	-4.23	6.75
30	MP1B	Mx	0.01	6.75
31	MP1C	X	10.531	1.75
32	MP1C	Z	-6.08	1.75
33	MP1C	Mx	-0.011	1.75
34	MP1C	X	10.531	6.75
35	MP1C	Z	-6.08	6.75
36	MP1C	Mx	-0.011	6.75
37	MP4A	X	1.912	1.25
38	MP4A	Z	-1.104	1.25
39	MP4A	Mx	-0.002	1.25
40	MP4A	X	1.912	3.25
41	MP4A	Z	-1.104	3.25
42	MP4A	Mx	-0.002	3.25
43	MP4B	X	1.912	1.25
44	MP4B	Z	-1.104	1.25
45	MP4B	Mx	0.002	1.25
46	MP4B	X	1.912	3.25
47	MP4B	Z	-1.104	3.25
48	MP4B	Mx	0.002	3.25
49	MP4C	X	4.3	1.25
50	MP4C	Z	-2.482	1.25
51	MP4C	Mx	-0.001	1.25
52	MP4C	X	4.3	3.25
53	MP4C	Z	-2.482	3.25
54	MP4C	Mx	-0.001	3.25
55	MP3A	X	0.624	4
56	MP3A	Z	-0.36	4
57	MP3A	Mx	0.000348	4
58	MP3B	X	0.624	4
59	MP3B	Z	-0.36	4
60	MP3B	Mx	-0.000348	4
61	MP3C	X	0.857	4
62	MP3C	Z	-0.495	4
63	MP3C	Mx	0.000128	4
64	MP2A	X	2.542	4.5
65	MP2A	Z	-1.468	4.5
66	MP2A	Mx	0.001	4.5
67	MP2B	X	2.542	4.5
68	MP2B	Z	-1.468	4.5
69	MP2B	Mx	-0.001	4.5
70	MP2C	X	3.587	4.5
71	MP2C	Z	-2.071	4.5
72	MP2C	Mx	0.000536	4.5
73	MP1A	X	3.111	4.5
74	MP1A	Z	-1.796	4.5
75	MP1A	Mx	0.002	4.5
76	MP1B	X	3.111	4.5
77	MP1B	Z	-1.796	4.5
78	MP1B	Mx	-0.002	4.5
79	MP1C	X	4.331	4.5
80	MP1C	Z	-2.5	4.5
81	MP1C	Mx	0.000647	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	8.461	1.75
2	MP1A	Z	0	1.75
3	MP1A	Mx	-0.007	1.75
4	MP1A	X	8.461	6.75
5	MP1A	Z	0	6.75
6	MP1A	Mx	-0.007	6.75
7	MP1B	X	10.31	1.75
8	MP1B	Z	0	1.75
9	MP1B	Mx	0.002	1.75
10	MP1B	X	10.31	6.75
11	MP1B	Z	0	6.75
12	MP1B	Mx	0.002	6.75
13	MP1C	X	12.16	1.75
14	MP1C	Z	0	1.75
15	MP1C	Mx	0.011	1.75
16	MP1C	X	12.16	6.75
17	MP1C	Z	0	6.75
18	MP1C	Mx	0.011	6.75
19	MP1A	X	8.461	1.75
20	MP1A	Z	0	1.75
21	MP1A	Mx	-0.01	1.75
22	MP1A	X	8.461	6.75
23	MP1A	Z	0	6.75
24	MP1A	Mx	-0.01	6.75
25	MP1B	X	10.31	1.75
26	MP1B	Z	0	1.75
27	MP1B	Mx	0.012	1.75
28	MP1B	X	10.31	6.75
29	MP1B	Z	0	6.75
30	MP1B	Mx	0.012	6.75
31	MP1C	X	12.16	1.75
32	MP1C	Z	0	1.75
33	MP1C	Mx	-0.005	1.75
34	MP1C	X	12.16	6.75
35	MP1C	Z	0	6.75
36	MP1C	Mx	-0.005	6.75
37	MP4A	X	2.208	1.25
38	MP4A	Z	0	1.25
39	MP4A	Mx	-0.002	1.25
40	MP4A	X	2.208	3.25
41	MP4A	Z	0	3.25
42	MP4A	Mx	-0.002	3.25
43	MP4B	X	3.586	1.25
44	MP4B	Z	0	1.25
45	MP4B	Mx	0.003	1.25
46	MP4B	X	3.586	3.25
47	MP4B	Z	0	3.25
48	MP4B	Mx	0.003	3.25
49	MP4C	X	4.965	1.25
50	MP4C	Z	0	1.25
51	MP4C	Mx	0.001	1.25
52	MP4C	X	4.965	3.25
53	MP4C	Z	0	3.25
54	MP4C	Mx	0.001	3.25
55	MP3A	X	0.72	4

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
56	MP3A	Z	0	4
57	MP3A	Mx	0.000348	4
58	MP3B	X	0.855	4
59	MP3B	Z	0	4
60	MP3B	Mx	-0.000302	4
61	MP3C	X	0.99	4
62	MP3C	Z	0	4
63	MP3C	Mx	-0.000128	4
64	MP2A	X	2.935	4.5
65	MP2A	Z	0	4.5
66	MP2A	Mx	0.001	4.5
67	MP2B	X	3.538	4.5
68	MP2B	Z	0	4.5
69	MP2B	Mx	-0.001	4.5
70	MP2C	X	4.142	4.5
71	MP2C	Z	0	4.5
72	MP2C	Mx	-0.000536	4.5
73	MP1A	X	3.593	4.5
74	MP1A	Z	0	4.5
75	MP1A	Mx	0.002	4.5
76	MP1B	X	4.297	4.5
77	MP1B	Z	0	4.5
78	MP1B	Mx	-0.002	4.5
79	MP1C	X	5.001	4.5
80	MP1C	Z	0	4.5
81	MP1C	Mx	-0.000647	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	8.929	1.75
2	MP1A	Z	5.155	1.75
3	MP1A	Mx	-0.002	1.75
4	MP1A	X	8.929	6.75
5	MP1A	Z	5.155	6.75
6	MP1A	Mx	-0.002	6.75
7	MP1B	X	10.531	1.75
8	MP1B	Z	6.08	1.75
9	MP1B	Mx	-0.005	1.75
10	MP1B	X	10.531	6.75
11	MP1B	Z	6.08	6.75
12	MP1B	Mx	-0.005	6.75
13	MP1C	X	8.929	1.75
14	MP1C	Z	5.155	1.75
15	MP1C	Mx	0.012	1.75
16	MP1C	X	8.929	6.75
17	MP1C	Z	5.155	6.75
18	MP1C	Mx	0.012	6.75
19	MP1A	X	8.929	1.75
20	MP1A	Z	5.155	1.75
21	MP1A	Mx	-0.012	1.75
22	MP1A	X	8.929	6.75
23	MP1A	Z	5.155	6.75
24	MP1A	Mx	-0.012	6.75
25	MP1B	X	10.531	1.75
26	MP1B	Z	6.08	1.75

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
27	MP1B	Mx	0.011	1.75
28	MP1B	X	10.531	6.75
29	MP1B	Z	6.08	6.75
30	MP1B	Mx	0.011	6.75
31	MP1C	X	8.929	1.75
32	MP1C	Z	5.155	1.75
33	MP1C	Mx	0.002	1.75
34	MP1C	X	8.929	6.75
35	MP1C	Z	5.155	6.75
36	MP1C	Mx	0.002	6.75
37	MP4A	X	3.106	1.25
38	MP4A	Z	1.793	1.25
39	MP4A	Mx	-0.003	1.25
40	MP4A	X	3.106	3.25
41	MP4A	Z	1.793	3.25
42	MP4A	Mx	-0.003	3.25
43	MP4B	X	4.3	1.25
44	MP4B	Z	2.482	1.25
45	MP4B	Mx	0.001	1.25
46	MP4B	X	4.3	3.25
47	MP4B	Z	2.482	3.25
48	MP4B	Mx	0.001	3.25
49	MP4C	X	3.106	1.25
50	MP4C	Z	1.793	1.25
51	MP4C	Mx	0.003	1.25
52	MP4C	X	3.106	3.25
53	MP4C	Z	1.793	3.25
54	MP4C	Mx	0.003	3.25
55	MP3A	X	0.741	4
56	MP3A	Z	0.428	4
57	MP3A	Mx	0.000302	4
58	MP3B	X	0.857	4
59	MP3B	Z	0.495	4
60	MP3B	Mx	-0.000128	4
61	MP3C	X	0.741	4
62	MP3C	Z	0.428	4
63	MP3C	Mx	-0.000303	4
64	MP2A	X	3.064	4.5
65	MP2A	Z	1.769	4.5
66	MP2A	Mx	0.001	4.5
67	MP2B	X	3.587	4.5
68	MP2B	Z	2.071	4.5
69	MP2B	Mx	-0.000536	4.5
70	MP2C	X	3.064	4.5
71	MP2C	Z	1.769	4.5
72	MP2C	Mx	-0.001	4.5
73	MP1A	X	3.721	4.5
74	MP1A	Z	2.148	4.5
75	MP1A	Mx	0.002	4.5
76	MP1B	X	4.331	4.5
77	MP1B	Z	2.5	4.5
78	MP1B	Mx	-0.000647	4.5
79	MP1C	X	3.721	4.5
80	MP1C	Z	2.148	4.5
81	MP1C	Mx	-0.002	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	6.08	1.75
2	MP1A	Z	10.531	1.75
3	MP1A	Mx	0.005	1.75
4	MP1A	X	6.08	6.75
5	MP1A	Z	10.531	6.75
6	MP1A	Mx	0.005	6.75
7	MP1B	X	6.08	1.75
8	MP1B	Z	10.531	1.75
9	MP1B	Mx	-0.011	1.75
10	MP1B	X	6.08	6.75
11	MP1B	Z	10.531	6.75
12	MP1B	Mx	-0.011	6.75
13	MP1C	X	4.23	1.75
14	MP1C	Z	7.327	1.75
15	MP1C	Mx	0.01	1.75
16	MP1C	X	4.23	6.75
17	MP1C	Z	7.327	6.75
18	MP1C	Mx	0.01	6.75
19	MP1A	X	6.08	1.75
20	MP1A	Z	10.531	1.75
21	MP1A	Mx	-0.011	1.75
22	MP1A	X	6.08	6.75
23	MP1A	Z	10.531	6.75
24	MP1A	Mx	-0.011	6.75
25	MP1B	X	6.08	1.75
26	MP1B	Z	10.531	1.75
27	MP1B	Mx	0.005	1.75
28	MP1B	X	6.08	6.75
29	MP1B	Z	10.531	6.75
30	MP1B	Mx	0.005	6.75
31	MP1C	X	4.23	1.75
32	MP1C	Z	7.327	1.75
33	MP1C	Mx	0.007	1.75
34	MP1C	X	4.23	6.75
35	MP1C	Z	7.327	6.75
36	MP1C	Mx	0.007	6.75
37	MP4A	X	2.482	1.25
38	MP4A	Z	4.3	1.25
39	MP4A	Mx	-0.001	1.25
40	MP4A	X	2.482	3.25
41	MP4A	Z	4.3	3.25
42	MP4A	Mx	-0.001	3.25
43	MP4B	X	2.482	1.25
44	MP4B	Z	4.3	1.25
45	MP4B	Mx	-0.001	1.25
46	MP4B	X	2.482	3.25
47	MP4B	Z	4.3	3.25
48	MP4B	Mx	-0.001	3.25
49	MP4C	X	1.104	1.25
50	MP4C	Z	1.912	1.25
51	MP4C	Mx	0.002	1.25
52	MP4C	X	1.104	3.25
53	MP4C	Z	1.912	3.25
54	MP4C	Mx	0.002	3.25
55	MP3A	X	0.495	4

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
56	MP3A	Z	0.857	4
57	MP3A	Mx	0.000128	4
58	MP3B	X	0.495	4
59	MP3B	Z	0.857	4
60	MP3B	Mx	0.000128	4
61	MP3C	X	0.36	4
62	MP3C	Z	0.624	4
63	MP3C	Mx	-0.000348	4
64	MP2A	X	2.071	4.5
65	MP2A	Z	3.587	4.5
66	MP2A	Mx	0.000536	4.5
67	MP2B	X	2.071	4.5
68	MP2B	Z	3.587	4.5
69	MP2B	Mx	0.000536	4.5
70	MP2C	X	1.468	4.5
71	MP2C	Z	2.542	4.5
72	MP2C	Mx	-0.001	4.5
73	MP1A	X	2.5	4.5
74	MP1A	Z	4.331	4.5
75	MP1A	Mx	0.000647	4.5
76	MP1B	X	2.5	4.5
77	MP1B	Z	4.331	4.5
78	MP1B	Mx	0.000647	4.5
79	MP1C	X	1.796	4.5
80	MP1C	Z	3.111	4.5
81	MP1C	Mx	-0.002	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	0	1.75
2	MP1A	Z	12.16	1.75
3	MP1A	Mx	0.011	1.75
4	MP1A	X	0	6.75
5	MP1A	Z	12.16	6.75
6	MP1A	Mx	0.011	6.75
7	MP1B	X	0	1.75
8	MP1B	Z	10.31	1.75
9	MP1B	Mx	-0.012	1.75
10	MP1B	X	0	6.75
11	MP1B	Z	10.31	6.75
12	MP1B	Mx	-0.012	6.75
13	MP1C	X	0	1.75
14	MP1C	Z	8.461	1.75
15	MP1C	Mx	0.007	1.75
16	MP1C	X	0	6.75
17	MP1C	Z	8.461	6.75
18	MP1C	Mx	0.007	6.75
19	MP1A	X	0	1.75
20	MP1A	Z	12.16	1.75
21	MP1A	Mx	-0.005	1.75
22	MP1A	X	0	6.75
23	MP1A	Z	12.16	6.75
24	MP1A	Mx	-0.005	6.75
25	MP1B	X	0	1.75
26	MP1B	Z	10.31	1.75

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
27	MP1B	Mx	-0.002	1.75
28	MP1B	X	0	6.75
29	MP1B	Z	10.31	6.75
30	MP1B	Mx	-0.002	6.75
31	MP1C	X	0	1.75
32	MP1C	Z	8.461	1.75
33	MP1C	Mx	0.01	1.75
34	MP1C	X	0	6.75
35	MP1C	Z	8.461	6.75
36	MP1C	Mx	0.01	6.75
37	MP4A	X	0	1.25
38	MP4A	Z	4.965	1.25
39	MP4A	Mx	0.001	1.25
40	MP4A	X	0	3.25
41	MP4A	Z	4.965	3.25
42	MP4A	Mx	0.001	3.25
43	MP4B	X	0	1.25
44	MP4B	Z	3.586	1.25
45	MP4B	Mx	-0.003	1.25
46	MP4B	X	0	3.25
47	MP4B	Z	3.586	3.25
48	MP4B	Mx	-0.003	3.25
49	MP4C	X	0	1.25
50	MP4C	Z	2.208	1.25
51	MP4C	Mx	0.002	1.25
52	MP4C	X	0	3.25
53	MP4C	Z	2.208	3.25
54	MP4C	Mx	0.002	3.25
55	MP3A	X	0	4
56	MP3A	Z	0.99	4
57	MP3A	Mx	-0.000128	4
58	MP3B	X	0	4
59	MP3B	Z	0.855	4
60	MP3B	Mx	0.000302	4
61	MP3C	X	0	4
62	MP3C	Z	0.72	4
63	MP3C	Mx	-0.000348	4
64	MP2A	X	0	4.5
65	MP2A	Z	4.142	4.5
66	MP2A	Mx	-0.000536	4.5
67	MP2B	X	0	4.5
68	MP2B	Z	3.538	4.5
69	MP2B	Mx	0.001	4.5
70	MP2C	X	0	4.5
71	MP2C	Z	2.935	4.5
72	MP2C	Mx	-0.001	4.5
73	MP1A	X	0	4.5
74	MP1A	Z	5.001	4.5
75	MP1A	Mx	-0.000647	4.5
76	MP1B	X	0	4.5
77	MP1B	Z	4.297	4.5
78	MP1B	Mx	0.002	4.5
79	MP1C	X	0	4.5
80	MP1C	Z	3.593	4.5
81	MP1C	Mx	-0.002	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	-5.155	1.75
2	MP1A	Z	8.929	1.75
3	MP1A	Mx	0.012	1.75
4	MP1A	X	-5.155	6.75
5	MP1A	Z	8.929	6.75
6	MP1A	Mx	0.012	6.75
7	MP1B	X	-4.23	1.75
8	MP1B	Z	7.327	1.75
9	MP1B	Mx	-0.01	1.75
10	MP1B	X	-4.23	6.75
11	MP1B	Z	7.327	6.75
12	MP1B	Mx	-0.01	6.75
13	MP1C	X	-5.155	1.75
14	MP1C	Z	8.929	1.75
15	MP1C	Mx	0.002	1.75
16	MP1C	X	-5.155	6.75
17	MP1C	Z	8.929	6.75
18	MP1C	Mx	0.002	6.75
19	MP1A	X	-5.155	1.75
20	MP1A	Z	8.929	1.75
21	MP1A	Mx	0.002	1.75
22	MP1A	X	-5.155	6.75
23	MP1A	Z	8.929	6.75
24	MP1A	Mx	0.002	6.75
25	MP1B	X	-4.23	1.75
26	MP1B	Z	7.327	1.75
27	MP1B	Mx	-0.007	1.75
28	MP1B	X	-4.23	6.75
29	MP1B	Z	7.327	6.75
30	MP1B	Mx	-0.007	6.75
31	MP1C	X	-5.155	1.75
32	MP1C	Z	8.929	1.75
33	MP1C	Mx	0.012	1.75
34	MP1C	X	-5.155	6.75
35	MP1C	Z	8.929	6.75
36	MP1C	Mx	0.012	6.75
37	MP4A	X	-1.793	1.25
38	MP4A	Z	3.106	1.25
39	MP4A	Mx	0.003	1.25
40	MP4A	X	-1.793	3.25
41	MP4A	Z	3.106	3.25
42	MP4A	Mx	0.003	3.25
43	MP4B	X	-1.104	1.25
44	MP4B	Z	1.912	1.25
45	MP4B	Mx	-0.002	1.25
46	MP4B	X	-1.104	3.25
47	MP4B	Z	1.912	3.25
48	MP4B	Mx	-0.002	3.25
49	MP4C	X	-1.793	1.25
50	MP4C	Z	3.106	1.25
51	MP4C	Mx	0.003	1.25
52	MP4C	X	-1.793	3.25
53	MP4C	Z	3.106	3.25
54	MP4C	Mx	0.003	3.25
55	MP3A	X	-0.428	4

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
56	MP3A	Z	0.741	4
57	MP3A	Mx	-0.000303	4
58	MP3B	X	-0.36	4
59	MP3B	Z	0.624	4
60	MP3B	Mx	0.000348	4
61	MP3C	X	-0.428	4
62	MP3C	Z	0.741	4
63	MP3C	Mx	-0.000302	4
64	MP2A	X	-1.769	4.5
65	MP2A	Z	3.064	4.5
66	MP2A	Mx	-0.001	4.5
67	MP2B	X	-1.468	4.5
68	MP2B	Z	2.542	4.5
69	MP2B	Mx	0.001	4.5
70	MP2C	X	-1.769	4.5
71	MP2C	Z	3.064	4.5
72	MP2C	Mx	-0.001	4.5
73	MP1A	X	-2.148	4.5
74	MP1A	Z	3.721	4.5
75	MP1A	Mx	-0.002	4.5
76	MP1B	X	-1.796	4.5
77	MP1B	Z	3.111	4.5
78	MP1B	Mx	0.002	4.5
79	MP1C	X	-2.148	4.5
80	MP1C	Z	3.721	4.5
81	MP1C	Mx	-0.002	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	-7.327	1.75
2	MP1A	Z	4.23	1.75
3	MP1A	Mx	0.01	1.75
4	MP1A	X	-7.327	6.75
5	MP1A	Z	4.23	6.75
6	MP1A	Mx	0.01	6.75
7	MP1B	X	-7.327	1.75
8	MP1B	Z	4.23	1.75
9	MP1B	Mx	-0.007	1.75
10	MP1B	X	-7.327	6.75
11	MP1B	Z	4.23	6.75
12	MP1B	Mx	-0.007	6.75
13	MP1C	X	-10.531	1.75
14	MP1C	Z	6.08	1.75
15	MP1C	Mx	-0.005	1.75
16	MP1C	X	-10.531	6.75
17	MP1C	Z	6.08	6.75
18	MP1C	Mx	-0.005	6.75
19	MP1A	X	-7.327	1.75
20	MP1A	Z	4.23	1.75
21	MP1A	Mx	0.007	1.75
22	MP1A	X	-7.327	6.75
23	MP1A	Z	4.23	6.75
24	MP1A	Mx	0.007	6.75
25	MP1B	X	-7.327	1.75
26	MP1B	Z	4.23	1.75

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
27	MP1B	Mx	-0.01	1.75
28	MP1B	X	-7.327	6.75
29	MP1B	Z	4.23	6.75
30	MP1B	Mx	-0.01	6.75
31	MP1C	X	-10.531	1.75
32	MP1C	Z	6.08	1.75
33	MP1C	Mx	0.011	1.75
34	MP1C	X	-10.531	6.75
35	MP1C	Z	6.08	6.75
36	MP1C	Mx	0.011	6.75
37	MP4A	X	-1.912	1.25
38	MP4A	Z	1.104	1.25
39	MP4A	Mx	0.002	1.25
40	MP4A	X	-1.912	3.25
41	MP4A	Z	1.104	3.25
42	MP4A	Mx	0.002	3.25
43	MP4B	X	-1.912	1.25
44	MP4B	Z	1.104	1.25
45	MP4B	Mx	-0.002	1.25
46	MP4B	X	-1.912	3.25
47	MP4B	Z	1.104	3.25
48	MP4B	Mx	-0.002	3.25
49	MP4C	X	-4.3	1.25
50	MP4C	Z	2.482	1.25
51	MP4C	Mx	0.001	1.25
52	MP4C	X	-4.3	3.25
53	MP4C	Z	2.482	3.25
54	MP4C	Mx	0.001	3.25
55	MP3A	X	-0.624	4
56	MP3A	Z	0.36	4
57	MP3A	Mx	-0.000348	4
58	MP3B	X	-0.624	4
59	MP3B	Z	0.36	4
60	MP3B	Mx	0.000348	4
61	MP3C	X	-0.857	4
62	MP3C	Z	0.495	4
63	MP3C	Mx	-0.000128	4
64	MP2A	X	-2.542	4.5
65	MP2A	Z	1.468	4.5
66	MP2A	Mx	-0.001	4.5
67	MP2B	X	-2.542	4.5
68	MP2B	Z	1.468	4.5
69	MP2B	Mx	0.001	4.5
70	MP2C	X	-3.587	4.5
71	MP2C	Z	2.071	4.5
72	MP2C	Mx	-0.000536	4.5
73	MP1A	X	-3.111	4.5
74	MP1A	Z	1.796	4.5
75	MP1A	Mx	-0.002	4.5
76	MP1B	X	-3.111	4.5
77	MP1B	Z	1.796	4.5
78	MP1B	Mx	0.002	4.5
79	MP1C	X	-4.331	4.5
80	MP1C	Z	2.5	4.5
81	MP1C	Mx	-0.000647	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	-8.461	1.75
2	MP1A	Z	0	1.75
3	MP1A	Mx	0.007	1.75
4	MP1A	X	-8.461	6.75
5	MP1A	Z	0	6.75
6	MP1A	Mx	0.007	6.75
7	MP1B	X	-10.31	1.75
8	MP1B	Z	0	1.75
9	MP1B	Mx	-0.002	1.75
10	MP1B	X	-10.31	6.75
11	MP1B	Z	0	6.75
12	MP1B	Mx	-0.002	6.75
13	MP1C	X	-12.16	1.75
14	MP1C	Z	0	1.75
15	MP1C	Mx	-0.011	1.75
16	MP1C	X	-12.16	6.75
17	MP1C	Z	0	6.75
18	MP1C	Mx	-0.011	6.75
19	MP1A	X	-8.461	1.75
20	MP1A	Z	0	1.75
21	MP1A	Mx	0.01	1.75
22	MP1A	X	-8.461	6.75
23	MP1A	Z	0	6.75
24	MP1A	Mx	0.01	6.75
25	MP1B	X	-10.31	1.75
26	MP1B	Z	0	1.75
27	MP1B	Mx	-0.012	1.75
28	MP1B	X	-10.31	6.75
29	MP1B	Z	0	6.75
30	MP1B	Mx	-0.012	6.75
31	MP1C	X	-12.16	1.75
32	MP1C	Z	0	1.75
33	MP1C	Mx	0.005	1.75
34	MP1C	X	-12.16	6.75
35	MP1C	Z	0	6.75
36	MP1C	Mx	0.005	6.75
37	MP4A	X	-2.208	1.25
38	MP4A	Z	0	1.25
39	MP4A	Mx	0.002	1.25
40	MP4A	X	-2.208	3.25
41	MP4A	Z	0	3.25
42	MP4A	Mx	0.002	3.25
43	MP4B	X	-3.586	1.25
44	MP4B	Z	0	1.25
45	MP4B	Mx	-0.003	1.25
46	MP4B	X	-3.586	3.25
47	MP4B	Z	0	3.25
48	MP4B	Mx	-0.003	3.25
49	MP4C	X	-4.965	1.25
50	MP4C	Z	0	1.25
51	MP4C	Mx	-0.001	1.25
52	MP4C	X	-4.965	3.25
53	MP4C	Z	0	3.25
54	MP4C	Mx	-0.001	3.25
55	MP3A	X	-0.72	4

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
56	MP3A	Z	0	4
57	MP3A	Mx	-0.000348	4
58	MP3B	X	-0.855	4
59	MP3B	Z	0	4
60	MP3B	Mx	0.000302	4
61	MP3C	X	-0.99	4
62	MP3C	Z	0	4
63	MP3C	Mx	0.000128	4
64	MP2A	X	-2.935	4.5
65	MP2A	Z	0	4.5
66	MP2A	Mx	-0.001	4.5
67	MP2B	X	-3.538	4.5
68	MP2B	Z	0	4.5
69	MP2B	Mx	0.001	4.5
70	MP2C	X	-4.142	4.5
71	MP2C	Z	0	4.5
72	MP2C	Mx	0.000536	4.5
73	MP1A	X	-3.593	4.5
74	MP1A	Z	0	4.5
75	MP1A	Mx	-0.002	4.5
76	MP1B	X	-4.297	4.5
77	MP1B	Z	0	4.5
78	MP1B	Mx	0.002	4.5
79	MP1C	X	-5.001	4.5
80	MP1C	Z	0	4.5
81	MP1C	Mx	0.000647	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	-8.929	1.75
2	MP1A	Z	-5.155	1.75
3	MP1A	Mx	0.002	1.75
4	MP1A	X	-8.929	6.75
5	MP1A	Z	-5.155	6.75
6	MP1A	Mx	0.002	6.75
7	MP1B	X	-10.531	1.75
8	MP1B	Z	-6.08	1.75
9	MP1B	Mx	0.005	1.75
10	MP1B	X	-10.531	6.75
11	MP1B	Z	-6.08	6.75
12	MP1B	Mx	0.005	6.75
13	MP1C	X	-8.929	1.75
14	MP1C	Z	-5.155	1.75
15	MP1C	Mx	-0.012	1.75
16	MP1C	X	-8.929	6.75
17	MP1C	Z	-5.155	6.75
18	MP1C	Mx	-0.012	6.75
19	MP1A	X	-8.929	1.75
20	MP1A	Z	-5.155	1.75
21	MP1A	Mx	0.012	1.75
22	MP1A	X	-8.929	6.75
23	MP1A	Z	-5.155	6.75
24	MP1A	Mx	0.012	6.75
25	MP1B	X	-10.531	1.75
26	MP1B	Z	-6.08	1.75

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
27	MP1B	Mx	-0.011	1.75
28	MP1B	X	-10.531	6.75
29	MP1B	Z	-6.08	6.75
30	MP1B	Mx	-0.011	6.75
31	MP1C	X	-8.929	1.75
32	MP1C	Z	-5.155	1.75
33	MP1C	Mx	-0.002	1.75
34	MP1C	X	-8.929	6.75
35	MP1C	Z	-5.155	6.75
36	MP1C	Mx	-0.002	6.75
37	MP4A	X	-3.106	1.25
38	MP4A	Z	-1.793	1.25
39	MP4A	Mx	0.003	1.25
40	MP4A	X	-3.106	3.25
41	MP4A	Z	-1.793	3.25
42	MP4A	Mx	0.003	3.25
43	MP4B	X	-4.3	1.25
44	MP4B	Z	-2.482	1.25
45	MP4B	Mx	-0.001	1.25
46	MP4B	X	-4.3	3.25
47	MP4B	Z	-2.482	3.25
48	MP4B	Mx	-0.001	3.25
49	MP4C	X	-3.106	1.25
50	MP4C	Z	-1.793	1.25
51	MP4C	Mx	-0.003	1.25
52	MP4C	X	-3.106	3.25
53	MP4C	Z	-1.793	3.25
54	MP4C	Mx	-0.003	3.25
55	MP3A	X	-0.741	4
56	MP3A	Z	-0.428	4
57	MP3A	Mx	-0.000302	4
58	MP3B	X	-0.857	4
59	MP3B	Z	-0.495	4
60	MP3B	Mx	0.000128	4
61	MP3C	X	-0.741	4
62	MP3C	Z	-0.428	4
63	MP3C	Mx	0.000303	4
64	MP2A	X	-3.064	4.5
65	MP2A	Z	-1.769	4.5
66	MP2A	Mx	-0.001	4.5
67	MP2B	X	-3.587	4.5
68	MP2B	Z	-2.071	4.5
69	MP2B	Mx	0.000536	4.5
70	MP2C	X	-3.064	4.5
71	MP2C	Z	-1.769	4.5
72	MP2C	Mx	0.001	4.5
73	MP1A	X	-3.721	4.5
74	MP1A	Z	-2.148	4.5
75	MP1A	Mx	-0.002	4.5
76	MP1B	X	-4.331	4.5
77	MP1B	Z	-2.5	4.5
78	MP1B	Mx	0.000647	4.5
79	MP1C	X	-3.721	4.5
80	MP1C	Z	-2.148	4.5
81	MP1C	Mx	0.002	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	-6.08	1.75
2	MP1A	Z	-10.531	1.75
3	MP1A	Mx	-0.005	1.75
4	MP1A	X	-6.08	6.75
5	MP1A	Z	-10.531	6.75
6	MP1A	Mx	-0.005	6.75
7	MP1B	X	-6.08	1.75
8	MP1B	Z	-10.531	1.75
9	MP1B	Mx	0.011	1.75
10	MP1B	X	-6.08	6.75
11	MP1B	Z	-10.531	6.75
12	MP1B	Mx	0.011	6.75
13	MP1C	X	-4.23	1.75
14	MP1C	Z	-7.327	1.75
15	MP1C	Mx	-0.01	1.75
16	MP1C	X	-4.23	6.75
17	MP1C	Z	-7.327	6.75
18	MP1C	Mx	-0.01	6.75
19	MP1A	X	-6.08	1.75
20	MP1A	Z	-10.531	1.75
21	MP1A	Mx	0.011	1.75
22	MP1A	X	-6.08	6.75
23	MP1A	Z	-10.531	6.75
24	MP1A	Mx	0.011	6.75
25	MP1B	X	-6.08	1.75
26	MP1B	Z	-10.531	1.75
27	MP1B	Mx	-0.005	1.75
28	MP1B	X	-6.08	6.75
29	MP1B	Z	-10.531	6.75
30	MP1B	Mx	-0.005	6.75
31	MP1C	X	-4.23	1.75
32	MP1C	Z	-7.327	1.75
33	MP1C	Mx	-0.007	1.75
34	MP1C	X	-4.23	6.75
35	MP1C	Z	-7.327	6.75
36	MP1C	Mx	-0.007	6.75
37	MP4A	X	-2.482	1.25
38	MP4A	Z	-4.3	1.25
39	MP4A	Mx	0.001	1.25
40	MP4A	X	-2.482	3.25
41	MP4A	Z	-4.3	3.25
42	MP4A	Mx	0.001	3.25
43	MP4B	X	-2.482	1.25
44	MP4B	Z	-4.3	1.25
45	MP4B	Mx	0.001	1.25
46	MP4B	X	-2.482	3.25
47	MP4B	Z	-4.3	3.25
48	MP4B	Mx	0.001	3.25
49	MP4C	X	-1.104	1.25
50	MP4C	Z	-1.912	1.25
51	MP4C	Mx	-0.002	1.25
52	MP4C	X	-1.104	3.25
53	MP4C	Z	-1.912	3.25
54	MP4C	Mx	-0.002	3.25
55	MP3A	X	-0.495	4

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
56	MP3A	Z	-0.857	4
57	MP3A	Mx	-0.000128	4
58	MP3B	X	-0.495	4
59	MP3B	Z	-0.857	4
60	MP3B	Mx	-0.000128	4
61	MP3C	X	-0.36	4
62	MP3C	Z	-0.624	4
63	MP3C	Mx	0.000348	4
64	MP2A	X	-2.071	4.5
65	MP2A	Z	-3.587	4.5
66	MP2A	Mx	-0.000536	4.5
67	MP2B	X	-2.071	4.5
68	MP2B	Z	-3.587	4.5
69	MP2B	Mx	-0.000536	4.5
70	MP2C	X	-1.468	4.5
71	MP2C	Z	-2.542	4.5
72	MP2C	Mx	0.001	4.5
73	MP1A	X	-2.5	4.5
74	MP1A	Z	-4.331	4.5
75	MP1A	Mx	-0.000647	4.5
76	MP1B	X	-2.5	4.5
77	MP1B	Z	-4.331	4.5
78	MP1B	Mx	-0.000647	4.5
79	MP1C	X	-1.796	4.5
80	MP1C	Z	-3.111	4.5
81	MP1C	Mx	0.002	4.5

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	M19	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	M22	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	M1	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

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

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	Y	-1.31	1.75
2	MP1A	My	-0.001	1.75
3	MP1A	Mz	0.001	1.75
4	MP1A	Y	-1.31	6.75

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
5	MP1A	My	-0.001	6.75
6	MP1A	Mz	0.001	6.75
7	MP1B	Y	-1.31	1.75
8	MP1B	My	0.000309	1.75
9	MP1B	Mz	-0.002	1.75
10	MP1B	Y	-1.31	6.75
11	MP1B	My	0.000309	6.75
12	MP1B	Mz	-0.002	6.75
13	MP1C	Y	-1.31	1.75
14	MP1C	My	0.001	1.75
15	MP1C	Mz	0.001	1.75
16	MP1C	Y	-1.31	6.75
17	MP1C	My	0.001	6.75
18	MP1C	Mz	0.001	6.75
19	MP1A	Y	-1.31	1.75
20	MP1A	My	-0.001	1.75
21	MP1A	Mz	-0.000504	1.75
22	MP1A	Y	-1.31	6.75
23	MP1A	My	-0.001	6.75
24	MP1A	Mz	-0.000504	6.75
25	MP1B	Y	-1.31	1.75
26	MP1B	My	0.002	1.75
27	MP1B	Mz	-0.000309	1.75
28	MP1B	Y	-1.31	6.75
29	MP1B	My	0.002	6.75
30	MP1B	Mz	-0.000309	6.75
31	MP1C	Y	-1.31	1.75
32	MP1C	My	-0.000504	1.75
33	MP1C	Mz	0.001	1.75
34	MP1C	Y	-1.31	6.75
35	MP1C	My	-0.000504	6.75
36	MP1C	Mz	0.001	6.75
37	MP4A	Y	-1.186	1.25
38	MP4A	My	-0.001	1.25
39	MP4A	Mz	0.000307	1.25
40	MP4A	Y	-1.186	3.25
41	MP4A	My	-0.001	3.25
42	MP4A	Mz	0.000307	3.25
43	MP4B	Y	-1.186	1.25
44	MP4B	My	0.000838	1.25
45	MP4B	Mz	-0.000838	1.25
46	MP4B	Y	-1.186	3.25
47	MP4B	My	0.000838	3.25
48	MP4B	Mz	-0.000838	3.25
49	MP4C	Y	-1.186	1.25
50	MP4C	My	0.000307	1.25
51	MP4C	Mz	0.001	1.25
52	MP4C	Y	-1.186	3.25
53	MP4C	My	0.000307	3.25
54	MP4C	Mz	0.001	3.25
55	MP3A	Y	-0.43	4
56	MP3A	My	0.000208	4
57	MP3A	Mz	-5.6e-5	4
58	MP3B	Y	-0.43	4
59	MP3B	My	-0.000152	4

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
60	MP3B	Mz	0.000152	4
61	MP3C	Y	-0.43	4
62	MP3C	My	-5.6e-5	4
63	MP3C	Mz	-0.000208	4
64	MP2A	Y	-3.092	4.5
65	MP2A	My	0.001	4.5
66	MP2A	Mz	-0.0004	4.5
67	MP2B	Y	-3.092	4.5
68	MP2B	My	-0.001	4.5
69	MP2B	Mz	0.001	4.5
70	MP2C	Y	-3.092	4.5
71	MP2C	My	-0.0004	4.5
72	MP2C	Mz	-0.001	4.5
73	MP1A	Y	-3.274	4.5
74	MP1A	My	0.002	4.5
75	MP1A	Mz	-0.000424	4.5
76	MP1B	Y	-3.274	4.5
77	MP1B	My	-0.001	4.5
78	MP1B	Mz	0.001	4.5
79	MP1C	Y	-3.274	4.5
80	MP1C	My	-0.000424	4.5
81	MP1C	Mz	-0.002	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	Z	-3.275	1.75
2	MP1A	Mx	-0.003	1.75
3	MP1A	Z	-3.275	6.75
4	MP1A	Mx	-0.003	6.75
5	MP1B	Z	-3.275	1.75
6	MP1B	Mx	0.004	1.75
7	MP1B	Z	-3.275	6.75
8	MP1B	Mx	0.004	6.75
9	MP1C	Z	-3.275	1.75
10	MP1C	Mx	-0.003	1.75
11	MP1C	Z	-3.275	6.75
12	MP1C	Mx	-0.003	6.75
13	MP1A	Z	-3.275	1.75
14	MP1A	Mx	0.001	1.75
15	MP1A	Z	-3.275	6.75
16	MP1A	Mx	0.001	6.75
17	MP1B	Z	-3.275	1.75
18	MP1B	Mx	0.000772	1.75
19	MP1B	Z	-3.275	6.75
20	MP1B	Mx	0.000772	6.75
21	MP1C	Z	-3.275	1.75
22	MP1C	Mx	-0.004	1.75
23	MP1C	Z	-3.275	6.75
24	MP1C	Mx	-0.004	6.75
25	MP4A	Z	-2.964	1.25
26	MP4A	Mx	-0.000767	1.25
27	MP4A	Z	-2.964	3.25
28	MP4A	Mx	-0.000767	3.25
29	MP4B	Z	-2.964	1.25
30	MP4B	Mx	0.002	1.25

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
31	MP4B	Z	-2.964	3.25
32	MP4B	Mx	0.002	3.25
33	MP4C	Z	-2.964	1.25
34	MP4C	Mx	-0.003	1.25
35	MP4C	Z	-2.964	3.25
36	MP4C	Mx	-0.003	3.25
37	MP3A	Z	-1.076	4
38	MP3A	Mx	0.000139	4
39	MP3B	Z	-1.076	4
40	MP3B	Mx	-0.00038	4
41	MP3C	Z	-1.076	4
42	MP3C	Mx	0.00052	4
43	MP2A	Z	-7.729	4.5
44	MP2A	Mx	0.001	4.5
45	MP2B	Z	-7.729	4.5
46	MP2B	Mx	-0.003	4.5
47	MP2C	Z	-7.729	4.5
48	MP2C	Mx	0.004	4.5
49	MP1A	Z	-8.184	4.5
50	MP1A	Mx	0.001	4.5
51	MP1B	Z	-8.184	4.5
52	MP1B	Mx	-0.003	4.5
53	MP1C	Z	-8.184	4.5
54	MP1C	Mx	0.004	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
1	MP1A	X	3.275	1.75
2	MP1A	Mx	-0.003	1.75
3	MP1A	X	3.275	6.75
4	MP1A	Mx	-0.003	6.75
5	MP1B	X	3.275	1.75
6	MP1B	Mx	0.000772	1.75
7	MP1B	X	3.275	6.75
8	MP1B	Mx	0.000772	6.75
9	MP1C	X	3.275	1.75
10	MP1C	Mx	0.003	1.75
11	MP1C	X	3.275	6.75
12	MP1C	Mx	0.003	6.75
13	MP1A	X	3.275	1.75
14	MP1A	Mx	-0.004	1.75
15	MP1A	X	3.275	6.75
16	MP1A	Mx	-0.004	6.75
17	MP1B	X	3.275	1.75
18	MP1B	Mx	0.004	1.75
19	MP1B	X	3.275	6.75
20	MP1B	Mx	0.004	6.75
21	MP1C	X	3.275	1.75
22	MP1C	Mx	-0.001	1.75
23	MP1C	X	3.275	6.75
24	MP1C	Mx	-0.001	6.75
25	MP4A	X	2.964	1.25
26	MP4A	Mx	-0.003	1.25
27	MP4A	X	2.964	3.25
28	MP4A	Mx	-0.003	3.25

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [(ft, %)]
29	MP4B	X	2.964	1.25
30	MP4B	Mx	0.002	1.25
31	MP4B	X	2.964	3.25
32	MP4B	Mx	0.002	3.25
33	MP4C	X	2.964	1.25
34	MP4C	Mx	0.000767	1.25
35	MP4C	X	2.964	3.25
36	MP4C	Mx	0.000767	3.25
37	MP3A	X	1.076	4
38	MP3A	Mx	0.00052	4
39	MP3B	X	1.076	4
40	MP3B	Mx	-0.00038	4
41	MP3C	X	1.076	4
42	MP3C	Mx	-0.000139	4
43	MP2A	X	7.729	4.5
44	MP2A	Mx	0.004	4.5
45	MP2B	X	7.729	4.5
46	MP2B	Mx	-0.003	4.5
47	MP2C	X	7.729	4.5
48	MP2C	Mx	-0.001	4.5
49	MP1A	X	8.184	4.5
50	MP1A	Mx	0.004	4.5
51	MP1B	X	8.184	4.5
52	MP1B	Mx	-0.003	4.5
53	MP1C	X	8.184	4.5
54	MP1C	Mx	-0.001	4.5

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M1	Y	-6.667	-6.667	0	%100
2	M4	Y	-9.747	-9.747	0	%100
3	M10	Y	-9.747	-9.747	0	%100
4	MP3A	Y	-5.774	-5.774	0	%100
5	MP4A	Y	-5.06	-5.06	0	%100
6	MP2A	Y	-5.774	-5.774	0	%100
7	MP1A	Y	-5.774	-5.774	0	%100
8	M43	Y	-9.747	-9.747	0	%100
9	M46	Y	-10.266	-10.266	0	%100
10	M51B	Y	-5.708	-5.708	0	%100
11	M52B	Y	-5.708	-5.708	0	%100
12	M76	Y	-10.253	-10.253	0	%100
13	M77	Y	-10.253	-10.253	0	%100
14	M80	Y	-10.266	-10.266	0	%100
15	M84	Y	-10.253	-10.253	0	%100
16	M85	Y	-10.253	-10.253	0	%100
17	M91	Y	-10.266	-10.266	0	%100
18	M34	Y	-9.747	-9.747	0	%100
19	M35	Y	-9.747	-9.747	0	%100
20	M36	Y	-9.747	-9.747	0	%100
21	M37	Y	-10.266	-10.266	0	%100
22	M40	Y	-5.708	-5.708	0	%100
23	M41	Y	-5.708	-5.708	0	%100
24	M45	Y	-10.253	-10.253	0	%100
25	M46A	Y	-10.253	-10.253	0	%100
26	M48	Y	-10.266	-10.266	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
27	M50A	Y	-10.253	-10.253	0	%100
28	M51C	Y	-10.253	-10.253	0	%100
29	M53	Y	-10.266	-10.266	0	%100
30	M58A	Y	-9.747	-9.747	0	%100
31	M59A	Y	-9.747	-9.747	0	%100
32	M60	Y	-9.747	-9.747	0	%100
33	M61	Y	-10.266	-10.266	0	%100
34	M64	Y	-5.708	-5.708	0	%100
35	M65	Y	-5.708	-5.708	0	%100
36	M69	Y	-10.253	-10.253	0	%100
37	M70	Y	-10.253	-10.253	0	%100
38	M72	Y	-10.266	-10.266	0	%100
39	M74	Y	-10.253	-10.253	0	%100
40	M75	Y	-10.253	-10.253	0	%100
41	M77A	Y	-10.266	-10.266	0	%100
42	M82	Y	-6.667	-6.667	0	%100
43	MP3C	Y	-5.774	-5.774	0	%100
44	MP4C	Y	-5.06	-5.06	0	%100
45	MP2C	Y	-5.774	-5.774	0	%100
46	M91A	Y	-6.667	-6.667	0	%100
47	MP3B	Y	-5.774	-5.774	0	%100
48	MP4B	Y	-5.06	-5.06	0	%100
49	MP2B	Y	-5.774	-5.774	0	%100
50	M100	Y	-5.774	-5.774	0	%100
51	M105	Y	-5.774	-5.774	0	%100
52	M110	Y	-5.774	-5.774	0	%100
53	M124	Y	-11.308	-11.308	0	%100
54	M125	Y	-11.308	-11.308	0	%100
55	M126	Y	-11.308	-11.308	0	%100
56	M121	Y	-5.774	-5.774	0	%100
57	MP1C	Y	-5.774	-5.774	0	%100
58	M130	Y	-5.774	-5.774	0	%100
59	MP1B	Y	-5.774	-5.774	0	%100
60	M136	Y	-5.774	-5.774	0	%100
61	M135	Y	-7.727	-7.727	0	%100
62	M139	Y	-7.727	-7.727	0	%100
63	M140	Y	-7.727	-7.727	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M1	X	0	0	0	%100
2	M1	Z	-15.684	-15.684	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	-15.434	-15.434	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-14.751	-14.751	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	-12.186	-12.186	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-14.751	-14.751	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-14.751	-14.751	0	%100
15	M43	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
16	M43	Z	-15.434	-15.434	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	-30.785	-30.785	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	-4.274	-4.274	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	-4.274	-4.274	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	-7.839	-7.839	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	-8.256	-8.256	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	-7.839	-7.839	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	-8.256	-8.256	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	-13.68	-13.68	0	%100
37	M35	X	0	0	0	%100
38	M35	Z	-3.859	-3.859	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	-3.859	-3.859	0	%100
41	M37	X	0	0	0	%100
42	M37	Z	-7.696	-7.696	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	-4.274	-4.274	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	-17.094	-17.094	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	-23.089	-23.089	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	-7.839	-7.839	0	%100
51	M48	X	0	0	0	%100
52	M48	Z	-8.256	-8.256	0	%100
53	M50A	X	0	0	0	%100
54	M50A	Z	-23.089	-23.089	0	%100
55	M51C	X	0	0	0	%100
56	M51C	Z	-31.355	-31.355	0	%100
57	M53	X	0	0	0	%100
58	M53	Z	-33.026	-33.026	0	%100
59	M58A	X	0	0	0	%100
60	M58A	Z	-13.68	-13.68	0	%100
61	M59A	X	0	0	0	%100
62	M59A	Z	-3.859	-3.859	0	%100
63	M60	X	0	0	0	%100
64	M60	Z	-3.859	-3.859	0	%100
65	M61	X	0	0	0	%100
66	M61	Z	-7.696	-7.696	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	-17.094	-17.094	0	%100
69	M65	X	0	0	0	%100
70	M65	Z	-4.274	-4.274	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
71	M69	X	0	0	0	%100
72	M69	Z	-23.089	-23.089	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	-31.355	-31.355	0	%100
75	M72	X	0	0	0	%100
76	M72	Z	-33.026	-33.026	0	%100
77	M74	X	0	0	0	%100
78	M74	Z	-23.089	-23.089	0	%100
79	M75	X	0	0	0	%100
80	M75	Z	-7.839	-7.839	0	%100
81	M77A	X	0	0	0	%100
82	M77A	Z	-8.256	-8.256	0	%100
83	M82	X	0	0	0	%100
84	M82	Z	-3.921	-3.921	0	%100
85	MP3C	X	0	0	0	%100
86	MP3C	Z	-14.751	-14.751	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	-12.186	-12.186	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	-14.751	-14.751	0	%100
91	M91A	X	0	0	0	%100
92	M91A	Z	-3.921	-3.921	0	%100
93	MP3B	X	0	0	0	%100
94	MP3B	Z	-14.751	-14.751	0	%100
95	MP4B	X	0	0	0	%100
96	MP4B	Z	-12.186	-12.186	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	-14.751	-14.751	0	%100
99	M100	X	0	0	0	%100
100	M100	Z	-14.751	-14.751	0	%100
101	M105	X	0	0	0	%100
102	M105	Z	-3.688	-3.688	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	-3.688	-3.688	0	%100
105	M124	X	0	0	0	%100
106	M124	Z	-13.436	-13.436	0	%100
107	M125	X	0	0	0	%100
108	M125	Z	-21.453	-21.453	0	%100
109	M126	X	0	0	0	%100
110	M126	Z	-21.453	-21.453	0	%100
111	M121	X	0	0	0	%100
112	M121	Z	-14.751	-14.751	0	%100
113	MP1C	X	0	0	0	%100
114	MP1C	Z	-14.751	-14.751	0	%100
115	M130	X	0	0	0	%100
116	M130	Z	-14.751	-14.751	0	%100
117	MP1B	X	0	0	0	%100
118	MP1B	Z	-14.751	-14.751	0	%100
119	M136	X	0	0	0	%100
120	M136	Z	-14.751	-14.751	0	%100
121	M135	X	0	0	0	%100
122	M135	Z	-4.824	-4.824	0	%100
123	M139	X	0	0	0	%100
124	M139	Z	-19.295	-19.295	0	%100
125	M140	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
126	M140	Z	-4.824	-4.824	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M1	X	5.881	5.881	0	%100
2	M1	Z	-10.187	-10.187	0	%100
3	M4	X	2.28	2.28	0	%100
4	M4	Z	-3.949	-3.949	0	%100
5	M10	X	5.788	5.788	0	%100
6	M10	Z	-10.025	-10.025	0	%100
7	MP3A	X	7.376	7.376	0	%100
8	MP3A	Z	-12.775	-12.775	0	%100
9	MP4A	X	6.093	6.093	0	%100
10	MP4A	Z	-10.553	-10.553	0	%100
11	MP2A	X	7.376	7.376	0	%100
12	MP2A	Z	-12.775	-12.775	0	%100
13	MP1A	X	7.376	7.376	0	%100
14	MP1A	Z	-12.775	-12.775	0	%100
15	M43	X	5.788	5.788	0	%100
16	M43	Z	-10.025	-10.025	0	%100
17	M46	X	11.544	11.544	0	%100
18	M46	Z	-19.995	-19.995	0	%100
19	M51B	X	6.41	6.41	0	%100
20	M51B	Z	-11.103	-11.103	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	3.848	3.848	0	%100
24	M76	Z	-6.665	-6.665	0	%100
25	M77	X	11.758	11.758	0	%100
26	M77	Z	-20.366	-20.366	0	%100
27	M80	X	12.385	12.385	0	%100
28	M80	Z	-21.451	-21.451	0	%100
29	M84	X	3.848	3.848	0	%100
30	M84	Z	-6.665	-6.665	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	2.28	2.28	0	%100
36	M34	Z	-3.949	-3.949	0	%100
37	M35	X	5.788	5.788	0	%100
38	M35	Z	-10.025	-10.025	0	%100
39	M36	X	5.788	5.788	0	%100
40	M36	Z	-10.025	-10.025	0	%100
41	M37	X	11.544	11.544	0	%100
42	M37	Z	-19.995	-19.995	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	0	0	0	%100
45	M41	X	6.41	6.41	0	%100
46	M41	Z	-11.103	-11.103	0	%100
47	M45	X	3.848	3.848	0	%100
48	M45	Z	-6.665	-6.665	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	0	0	0	%100
51	M48	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
52	M48	Z	0	0	0	%100
53	M50A	X	3.848	3.848	0	%100
54	M50A	Z	-6.665	-6.665	0	%100
55	M51C	X	11.758	11.758	0	%100
56	M51C	Z	-20.366	-20.366	0	%100
57	M53	X	12.385	12.385	0	%100
58	M53	Z	-21.451	-21.451	0	%100
59	M58A	X	9.12	9.12	0	%100
60	M58A	Z	-15.796	-15.796	0	%100
61	M59A	X	0	0	0	%100
62	M59A	Z	0	0	0	%100
63	M60	X	0	0	0	%100
64	M60	Z	0	0	0	%100
65	M61	X	0	0	0	%100
66	M61	Z	0	0	0	%100
67	M64	X	6.41	6.41	0	%100
68	M64	Z	-11.103	-11.103	0	%100
69	M65	X	6.41	6.41	0	%100
70	M65	Z	-11.103	-11.103	0	%100
71	M69	X	15.393	15.393	0	%100
72	M69	Z	-26.661	-26.661	0	%100
73	M70	X	11.758	11.758	0	%100
74	M70	Z	-20.366	-20.366	0	%100
75	M72	X	12.385	12.385	0	%100
76	M72	Z	-21.451	-21.451	0	%100
77	M74	X	15.393	15.393	0	%100
78	M74	Z	-26.661	-26.661	0	%100
79	M75	X	11.758	11.758	0	%100
80	M75	Z	-20.366	-20.366	0	%100
81	M77A	X	12.385	12.385	0	%100
82	M77A	Z	-21.451	-21.451	0	%100
83	M82	X	5.881	5.881	0	%100
84	M82	Z	-10.187	-10.187	0	%100
85	MP3C	X	7.376	7.376	0	%100
86	MP3C	Z	-12.775	-12.775	0	%100
87	MP4C	X	6.093	6.093	0	%100
88	MP4C	Z	-10.553	-10.553	0	%100
89	MP2C	X	7.376	7.376	0	%100
90	MP2C	Z	-12.775	-12.775	0	%100
91	M91A	X	0	0	0	%100
92	M91A	Z	0	0	0	%100
93	MP3B	X	7.376	7.376	0	%100
94	MP3B	Z	-12.775	-12.775	0	%100
95	MP4B	X	6.093	6.093	0	%100
96	MP4B	Z	-10.553	-10.553	0	%100
97	MP2B	X	7.376	7.376	0	%100
98	MP2B	Z	-12.775	-12.775	0	%100
99	M100	X	5.532	5.532	0	%100
100	M100	Z	-9.581	-9.581	0	%100
101	M105	X	5.532	5.532	0	%100
102	M105	Z	-9.581	-9.581	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	0	0	0	%100
105	M124	X	8.054	8.054	0	%100
106	M124	Z	-13.95	-13.95	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
107	M125	X	8.054	8.054	0	%100
108	M125	Z	-13.95	-13.95	0	%100
109	M126	X	12.063	12.063	0	%100
110	M126	Z	-20.894	-20.894	0	%100
111	M121	X	7.376	7.376	0	%100
112	M121	Z	-12.775	-12.775	0	%100
113	MP1C	X	7.376	7.376	0	%100
114	MP1C	Z	-12.775	-12.775	0	%100
115	M130	X	7.376	7.376	0	%100
116	M130	Z	-12.775	-12.775	0	%100
117	MP1B	X	7.376	7.376	0	%100
118	MP1B	Z	-12.775	-12.775	0	%100
119	M136	X	7.376	7.376	0	%100
120	M136	Z	-12.775	-12.775	0	%100
121	M135	X	7.236	7.236	0	%100
122	M135	Z	-12.533	-12.533	0	%100
123	M139	X	7.236	7.236	0	%100
124	M139	Z	-12.533	-12.533	0	%100
125	M140	X	0	0	0	%100
126	M140	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M1	X	3.396	3.396	0	%100
2	M1	Z	-1.96	-1.96	0	%100
3	M4	X	11.847	11.847	0	%100
4	M4	Z	-6.84	-6.84	0	%100
5	M10	X	3.342	3.342	0	%100
6	M10	Z	-1.929	-1.929	0	%100
7	MP3A	X	12.775	12.775	0	%100
8	MP3A	Z	-7.376	-7.376	0	%100
9	MP4A	X	10.553	10.553	0	%100
10	MP4A	Z	-6.093	-6.093	0	%100
11	MP2A	X	12.775	12.775	0	%100
12	MP2A	Z	-7.376	-7.376	0	%100
13	MP1A	X	12.775	12.775	0	%100
14	MP1A	Z	-7.376	-7.376	0	%100
15	M43	X	3.342	3.342	0	%100
16	M43	Z	-1.929	-1.929	0	%100
17	M46	X	6.665	6.665	0	%100
18	M46	Z	-3.848	-3.848	0	%100
19	M51B	X	14.804	14.804	0	%100
20	M51B	Z	-8.547	-8.547	0	%100
21	M52B	X	3.701	3.701	0	%100
22	M52B	Z	-2.137	-2.137	0	%100
23	M76	X	19.995	19.995	0	%100
24	M76	Z	-11.544	-11.544	0	%100
25	M77	X	27.154	27.154	0	%100
26	M77	Z	-15.678	-15.678	0	%100
27	M80	X	28.601	28.601	0	%100
28	M80	Z	-16.513	-16.513	0	%100
29	M84	X	19.995	19.995	0	%100
30	M84	Z	-11.544	-11.544	0	%100
31	M85	X	6.789	6.789	0	%100
32	M85	Z	-3.919	-3.919	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
33	M91	X	7.15	7.15	0	%100
34	M91	Z	-4.128	-4.128	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	0	0	0	%100
37	M35	X	13.366	13.366	0	%100
38	M35	Z	-7.717	-7.717	0	%100
39	M36	X	13.366	13.366	0	%100
40	M36	Z	-7.717	-7.717	0	%100
41	M37	X	26.661	26.661	0	%100
42	M37	Z	-15.393	-15.393	0	%100
43	M40	X	3.701	3.701	0	%100
44	M40	Z	-2.137	-2.137	0	%100
45	M41	X	3.701	3.701	0	%100
46	M41	Z	-2.137	-2.137	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	0	0	0	%100
49	M46A	X	6.789	6.789	0	%100
50	M46A	Z	-3.919	-3.919	0	%100
51	M48	X	7.15	7.15	0	%100
52	M48	Z	-4.128	-4.128	0	%100
53	M50A	X	0	0	0	%100
54	M50A	Z	0	0	0	%100
55	M51C	X	6.789	6.789	0	%100
56	M51C	Z	-3.919	-3.919	0	%100
57	M53	X	7.15	7.15	0	%100
58	M53	Z	-4.128	-4.128	0	%100
59	M58A	X	11.847	11.847	0	%100
60	M58A	Z	-6.84	-6.84	0	%100
61	M59A	X	3.342	3.342	0	%100
62	M59A	Z	-1.929	-1.929	0	%100
63	M60	X	3.342	3.342	0	%100
64	M60	Z	-1.929	-1.929	0	%100
65	M61	X	6.665	6.665	0	%100
66	M61	Z	-3.848	-3.848	0	%100
67	M64	X	3.701	3.701	0	%100
68	M64	Z	-2.137	-2.137	0	%100
69	M65	X	14.804	14.804	0	%100
70	M65	Z	-8.547	-8.547	0	%100
71	M69	X	19.995	19.995	0	%100
72	M69	Z	-11.544	-11.544	0	%100
73	M70	X	6.789	6.789	0	%100
74	M70	Z	-3.919	-3.919	0	%100
75	M72	X	7.15	7.15	0	%100
76	M72	Z	-4.128	-4.128	0	%100
77	M74	X	19.995	19.995	0	%100
78	M74	Z	-11.544	-11.544	0	%100
79	M75	X	27.154	27.154	0	%100
80	M75	Z	-15.678	-15.678	0	%100
81	M77A	X	28.601	28.601	0	%100
82	M77A	Z	-16.513	-16.513	0	%100
83	M82	X	13.582	13.582	0	%100
84	M82	Z	-7.842	-7.842	0	%100
85	MP3C	X	12.775	12.775	0	%100
86	MP3C	Z	-7.376	-7.376	0	%100
87	MP4C	X	10.553	10.553	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
88	MP4C	Z	-6.093	-6.093	0	%100
89	MP2C	X	12.775	12.775	0	%100
90	MP2C	Z	-7.376	-7.376	0	%100
91	M91A	X	3.396	3.396	0	%100
92	M91A	Z	-1.96	-1.96	0	%100
93	MP3B	X	12.775	12.775	0	%100
94	MP3B	Z	-7.376	-7.376	0	%100
95	MP4B	X	10.553	10.553	0	%100
96	MP4B	Z	-6.093	-6.093	0	%100
97	MP2B	X	12.775	12.775	0	%100
98	MP2B	Z	-7.376	-7.376	0	%100
99	M100	X	3.194	3.194	0	%100
100	M100	Z	-1.844	-1.844	0	%100
101	M105	X	12.775	12.775	0	%100
102	M105	Z	-7.376	-7.376	0	%100
103	M110	X	3.194	3.194	0	%100
104	M110	Z	-1.844	-1.844	0	%100
105	M124	X	18.579	18.579	0	%100
106	M124	Z	-10.727	-10.727	0	%100
107	M125	X	11.636	11.636	0	%100
108	M125	Z	-6.718	-6.718	0	%100
109	M126	X	18.579	18.579	0	%100
110	M126	Z	-10.727	-10.727	0	%100
111	M121	X	12.775	12.775	0	%100
112	M121	Z	-7.376	-7.376	0	%100
113	MP1C	X	12.775	12.775	0	%100
114	MP1C	Z	-7.376	-7.376	0	%100
115	M130	X	12.775	12.775	0	%100
116	M130	Z	-7.376	-7.376	0	%100
117	MP1B	X	12.775	12.775	0	%100
118	MP1B	Z	-7.376	-7.376	0	%100
119	M136	X	12.775	12.775	0	%100
120	M136	Z	-7.376	-7.376	0	%100
121	M135	X	16.71	16.71	0	%100
122	M135	Z	-9.648	-9.648	0	%100
123	M139	X	4.178	4.178	0	%100
124	M139	Z	-2.412	-2.412	0	%100
125	M140	X	4.178	4.178	0	%100
126	M140	Z	-2.412	-2.412	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	18.24	18.24	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	14.751	14.751	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	12.186	12.186	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	14.751	14.751	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	14.751	14.751	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	12.821	12.821	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	12.821	12.821	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	30.785	30.785	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	23.516	23.516	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	24.769	24.769	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	30.785	30.785	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	23.516	23.516	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	24.769	24.769	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	4.56	4.56	0	%100
36	M34	Z	0	0	0	%100
37	M35	X	11.576	11.576	0	%100
38	M35	Z	0	0	0	%100
39	M36	X	11.576	11.576	0	%100
40	M36	Z	0	0	0	%100
41	M37	X	23.089	23.089	0	%100
42	M37	Z	0	0	0	%100
43	M40	X	12.821	12.821	0	%100
44	M40	Z	0	0	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	0	0	0	%100
47	M45	X	7.696	7.696	0	%100
48	M45	Z	0	0	0	%100
49	M46A	X	23.516	23.516	0	%100
50	M46A	Z	0	0	0	%100
51	M48	X	24.769	24.769	0	%100
52	M48	Z	0	0	0	%100
53	M50A	X	7.696	7.696	0	%100
54	M50A	Z	0	0	0	%100
55	M51C	X	0	0	0	%100
56	M51C	Z	0	0	0	%100
57	M53	X	0	0	0	%100
58	M53	Z	0	0	0	%100
59	M58A	X	4.56	4.56	0	%100
60	M58A	Z	0	0	0	%100
61	M59A	X	11.576	11.576	0	%100
62	M59A	Z	0	0	0	%100
63	M60	X	11.576	11.576	0	%100
64	M60	Z	0	0	0	%100
65	M61	X	23.089	23.089	0	%100
66	M61	Z	0	0	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
69	M65	X	12.821	12.821	0	%100
70	M65	Z	0	0	0	%100
71	M69	X	7.696	7.696	0	%100
72	M69	Z	0	0	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	0	0	0	%100
75	M72	X	0	0	0	%100
76	M72	Z	0	0	0	%100
77	M74	X	7.696	7.696	0	%100
78	M74	Z	0	0	0	%100
79	M75	X	23.516	23.516	0	%100
80	M75	Z	0	0	0	%100
81	M77A	X	24.769	24.769	0	%100
82	M77A	Z	0	0	0	%100
83	M82	X	11.763	11.763	0	%100
84	M82	Z	0	0	0	%100
85	MP3C	X	14.751	14.751	0	%100
86	MP3C	Z	0	0	0	%100
87	MP4C	X	12.186	12.186	0	%100
88	MP4C	Z	0	0	0	%100
89	MP2C	X	14.751	14.751	0	%100
90	MP2C	Z	0	0	0	%100
91	M91A	X	11.763	11.763	0	%100
92	M91A	Z	0	0	0	%100
93	MP3B	X	14.751	14.751	0	%100
94	MP3B	Z	0	0	0	%100
95	MP4B	X	12.186	12.186	0	%100
96	MP4B	Z	0	0	0	%100
97	MP2B	X	14.751	14.751	0	%100
98	MP2B	Z	0	0	0	%100
99	M100	X	0	0	0	%100
100	M100	Z	0	0	0	%100
101	M105	X	11.063	11.063	0	%100
102	M105	Z	0	0	0	%100
103	M110	X	11.063	11.063	0	%100
104	M110	Z	0	0	0	%100
105	M124	X	24.126	24.126	0	%100
106	M124	Z	0	0	0	%100
107	M125	X	16.108	16.108	0	%100
108	M125	Z	0	0	0	%100
109	M126	X	16.108	16.108	0	%100
110	M126	Z	0	0	0	%100
111	M121	X	14.751	14.751	0	%100
112	M121	Z	0	0	0	%100
113	MP1C	X	14.751	14.751	0	%100
114	MP1C	Z	0	0	0	%100
115	M130	X	14.751	14.751	0	%100
116	M130	Z	0	0	0	%100
117	MP1B	X	14.751	14.751	0	%100
118	MP1B	Z	0	0	0	%100
119	M136	X	14.751	14.751	0	%100
120	M136	Z	0	0	0	%100
121	M135	X	14.472	14.472	0	%100
122	M135	Z	0	0	0	%100
123	M139	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
124	M139	Z	0	0	0	%100
125	M140	X	14.472	14.472	0	%100
126	M140	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M1	X	3.396	3.396	0	%100
2	M1	Z	1.96	1.96	0	%100
3	M4	X	11.847	11.847	0	%100
4	M4	Z	6.84	6.84	0	%100
5	M10	X	3.342	3.342	0	%100
6	M10	Z	1.929	1.929	0	%100
7	MP3A	X	12.775	12.775	0	%100
8	MP3A	Z	7.376	7.376	0	%100
9	MP4A	X	10.553	10.553	0	%100
10	MP4A	Z	6.093	6.093	0	%100
11	MP2A	X	12.775	12.775	0	%100
12	MP2A	Z	7.376	7.376	0	%100
13	MP1A	X	12.775	12.775	0	%100
14	MP1A	Z	7.376	7.376	0	%100
15	M43	X	3.342	3.342	0	%100
16	M43	Z	1.929	1.929	0	%100
17	M46	X	6.665	6.665	0	%100
18	M46	Z	3.848	3.848	0	%100
19	M51B	X	3.701	3.701	0	%100
20	M51B	Z	2.137	2.137	0	%100
21	M52B	X	14.804	14.804	0	%100
22	M52B	Z	8.547	8.547	0	%100
23	M76	X	19.995	19.995	0	%100
24	M76	Z	11.544	11.544	0	%100
25	M77	X	6.789	6.789	0	%100
26	M77	Z	3.919	3.919	0	%100
27	M80	X	7.15	7.15	0	%100
28	M80	Z	4.128	4.128	0	%100
29	M84	X	19.995	19.995	0	%100
30	M84	Z	11.544	11.544	0	%100
31	M85	X	27.154	27.154	0	%100
32	M85	Z	15.678	15.678	0	%100
33	M91	X	28.601	28.601	0	%100
34	M91	Z	16.513	16.513	0	%100
35	M34	X	11.847	11.847	0	%100
36	M34	Z	6.84	6.84	0	%100
37	M35	X	3.342	3.342	0	%100
38	M35	Z	1.929	1.929	0	%100
39	M36	X	3.342	3.342	0	%100
40	M36	Z	1.929	1.929	0	%100
41	M37	X	6.665	6.665	0	%100
42	M37	Z	3.848	3.848	0	%100
43	M40	X	14.804	14.804	0	%100
44	M40	Z	8.547	8.547	0	%100
45	M41	X	3.701	3.701	0	%100
46	M41	Z	2.137	2.137	0	%100
47	M45	X	19.995	19.995	0	%100
48	M45	Z	11.544	11.544	0	%100
49	M46A	X	27.154	27.154	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
50	M46A	Z	15.678	15.678	0	%100
51	M48	X	28.601	28.601	0	%100
52	M48	Z	16.513	16.513	0	%100
53	M50A	X	19.995	19.995	0	%100
54	M50A	Z	11.544	11.544	0	%100
55	M51C	X	6.789	6.789	0	%100
56	M51C	Z	3.919	3.919	0	%100
57	M53	X	7.15	7.15	0	%100
58	M53	Z	4.128	4.128	0	%100
59	M58A	X	0	0	0	%100
60	M58A	Z	0	0	0	%100
61	M59A	X	13.366	13.366	0	%100
62	M59A	Z	7.717	7.717	0	%100
63	M60	X	13.366	13.366	0	%100
64	M60	Z	7.717	7.717	0	%100
65	M61	X	26.661	26.661	0	%100
66	M61	Z	15.393	15.393	0	%100
67	M64	X	3.701	3.701	0	%100
68	M64	Z	2.137	2.137	0	%100
69	M65	X	3.701	3.701	0	%100
70	M65	Z	2.137	2.137	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	0	0	0	%100
73	M70	X	6.789	6.789	0	%100
74	M70	Z	3.919	3.919	0	%100
75	M72	X	7.15	7.15	0	%100
76	M72	Z	4.128	4.128	0	%100
77	M74	X	0	0	0	%100
78	M74	Z	0	0	0	%100
79	M75	X	6.789	6.789	0	%100
80	M75	Z	3.919	3.919	0	%100
81	M77A	X	7.15	7.15	0	%100
82	M77A	Z	4.128	4.128	0	%100
83	M82	X	3.396	3.396	0	%100
84	M82	Z	1.96	1.96	0	%100
85	MP3C	X	12.775	12.775	0	%100
86	MP3C	Z	7.376	7.376	0	%100
87	MP4C	X	10.553	10.553	0	%100
88	MP4C	Z	6.093	6.093	0	%100
89	MP2C	X	12.775	12.775	0	%100
90	MP2C	Z	7.376	7.376	0	%100
91	M91A	X	13.582	13.582	0	%100
92	M91A	Z	7.842	7.842	0	%100
93	MP3B	X	12.775	12.775	0	%100
94	MP3B	Z	7.376	7.376	0	%100
95	MP4B	X	10.553	10.553	0	%100
96	MP4B	Z	6.093	6.093	0	%100
97	MP2B	X	12.775	12.775	0	%100
98	MP2B	Z	7.376	7.376	0	%100
99	M100	X	3.194	3.194	0	%100
100	M100	Z	1.844	1.844	0	%100
101	M105	X	3.194	3.194	0	%100
102	M105	Z	1.844	1.844	0	%100
103	M110	X	12.775	12.775	0	%100
104	M110	Z	7.376	7.376	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
105	M124	X	18.579	18.579	0	%100
106	M124	Z	10.727	10.727	0	%100
107	M125	X	18.579	18.579	0	%100
108	M125	Z	10.727	10.727	0	%100
109	M126	X	11.636	11.636	0	%100
110	M126	Z	6.718	6.718	0	%100
111	M121	X	12.775	12.775	0	%100
112	M121	Z	7.376	7.376	0	%100
113	MP1C	X	12.775	12.775	0	%100
114	MP1C	Z	7.376	7.376	0	%100
115	M130	X	12.775	12.775	0	%100
116	M130	Z	7.376	7.376	0	%100
117	MP1B	X	12.775	12.775	0	%100
118	MP1B	Z	7.376	7.376	0	%100
119	M136	X	12.775	12.775	0	%100
120	M136	Z	7.376	7.376	0	%100
121	M135	X	4.178	4.178	0	%100
122	M135	Z	2.412	2.412	0	%100
123	M139	X	4.178	4.178	0	%100
124	M139	Z	2.412	2.412	0	%100
125	M140	X	16.71	16.71	0	%100
126	M140	Z	9.648	9.648	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M1	X	5.881	5.881	0	%100
2	M1	Z	10.187	10.187	0	%100
3	M4	X	2.28	2.28	0	%100
4	M4	Z	3.949	3.949	0	%100
5	M10	X	5.788	5.788	0	%100
6	M10	Z	10.025	10.025	0	%100
7	MP3A	X	7.376	7.376	0	%100
8	MP3A	Z	12.775	12.775	0	%100
9	MP4A	X	6.093	6.093	0	%100
10	MP4A	Z	10.553	10.553	0	%100
11	MP2A	X	7.376	7.376	0	%100
12	MP2A	Z	12.775	12.775	0	%100
13	MP1A	X	7.376	7.376	0	%100
14	MP1A	Z	12.775	12.775	0	%100
15	M43	X	5.788	5.788	0	%100
16	M43	Z	10.025	10.025	0	%100
17	M46	X	11.544	11.544	0	%100
18	M46	Z	19.995	19.995	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	6.41	6.41	0	%100
22	M52B	Z	11.103	11.103	0	%100
23	M76	X	3.848	3.848	0	%100
24	M76	Z	6.665	6.665	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	3.848	3.848	0	%100
30	M84	Z	6.665	6.665	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
31	M85	X	11.758	11.758	0	%100
32	M85	Z	20.366	20.366	0	%100
33	M91	X	12.385	12.385	0	%100
34	M91	Z	21.451	21.451	0	%100
35	M34	X	9.12	9.12	0	%100
36	M34	Z	15.796	15.796	0	%100
37	M35	X	0	0	0	%100
38	M35	Z	0	0	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	0	0	0	%100
41	M37	X	0	0	0	%100
42	M37	Z	0	0	0	%100
43	M40	X	6.41	6.41	0	%100
44	M40	Z	11.103	11.103	0	%100
45	M41	X	6.41	6.41	0	%100
46	M41	Z	11.103	11.103	0	%100
47	M45	X	15.393	15.393	0	%100
48	M45	Z	26.661	26.661	0	%100
49	M46A	X	11.758	11.758	0	%100
50	M46A	Z	20.366	20.366	0	%100
51	M48	X	12.385	12.385	0	%100
52	M48	Z	21.451	21.451	0	%100
53	M50A	X	15.393	15.393	0	%100
54	M50A	Z	26.661	26.661	0	%100
55	M51C	X	11.758	11.758	0	%100
56	M51C	Z	20.366	20.366	0	%100
57	M53	X	12.385	12.385	0	%100
58	M53	Z	21.451	21.451	0	%100
59	M58A	X	2.28	2.28	0	%100
60	M58A	Z	3.949	3.949	0	%100
61	M59A	X	5.788	5.788	0	%100
62	M59A	Z	10.025	10.025	0	%100
63	M60	X	5.788	5.788	0	%100
64	M60	Z	10.025	10.025	0	%100
65	M61	X	11.544	11.544	0	%100
66	M61	Z	19.995	19.995	0	%100
67	M64	X	6.41	6.41	0	%100
68	M64	Z	11.103	11.103	0	%100
69	M65	X	0	0	0	%100
70	M65	Z	0	0	0	%100
71	M69	X	3.848	3.848	0	%100
72	M69	Z	6.665	6.665	0	%100
73	M70	X	11.758	11.758	0	%100
74	M70	Z	20.366	20.366	0	%100
75	M72	X	12.385	12.385	0	%100
76	M72	Z	21.451	21.451	0	%100
77	M74	X	3.848	3.848	0	%100
78	M74	Z	6.665	6.665	0	%100
79	M75	X	0	0	0	%100
80	M75	Z	0	0	0	%100
81	M77A	X	0	0	0	%100
82	M77A	Z	0	0	0	%100
83	M82	X	0	0	0	%100
84	M82	Z	0	0	0	%100
85	MP3C	X	7.376	7.376	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
86	MP3C	Z	12.775	12.775	0	%100
87	MP4C	X	6.093	6.093	0	%100
88	MP4C	Z	10.553	10.553	0	%100
89	MP2C	X	7.376	7.376	0	%100
90	MP2C	Z	12.775	12.775	0	%100
91	M91A	X	5.881	5.881	0	%100
92	M91A	Z	10.187	10.187	0	%100
93	MP3B	X	7.376	7.376	0	%100
94	MP3B	Z	12.775	12.775	0	%100
95	MP4B	X	6.093	6.093	0	%100
96	MP4B	Z	10.553	10.553	0	%100
97	MP2B	X	7.376	7.376	0	%100
98	MP2B	Z	12.775	12.775	0	%100
99	M100	X	5.532	5.532	0	%100
100	M100	Z	9.581	9.581	0	%100
101	M105	X	0	0	0	%100
102	M105	Z	0	0	0	%100
103	M110	X	5.532	5.532	0	%100
104	M110	Z	9.581	9.581	0	%100
105	M124	X	8.054	8.054	0	%100
106	M124	Z	13.95	13.95	0	%100
107	M125	X	12.063	12.063	0	%100
108	M125	Z	20.894	20.894	0	%100
109	M126	X	8.054	8.054	0	%100
110	M126	Z	13.95	13.95	0	%100
111	M121	X	7.376	7.376	0	%100
112	M121	Z	12.775	12.775	0	%100
113	MP1C	X	7.376	7.376	0	%100
114	MP1C	Z	12.775	12.775	0	%100
115	M130	X	7.376	7.376	0	%100
116	M130	Z	12.775	12.775	0	%100
117	MP1B	X	7.376	7.376	0	%100
118	MP1B	Z	12.775	12.775	0	%100
119	M136	X	7.376	7.376	0	%100
120	M136	Z	12.775	12.775	0	%100
121	M135	X	0	0	0	%100
122	M135	Z	0	0	0	%100
123	M139	X	7.236	7.236	0	%100
124	M139	Z	12.533	12.533	0	%100
125	M140	X	7.236	7.236	0	%100
126	M140	Z	12.533	12.533	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M1	X	0	0	0	%100
2	M1	Z	15.684	15.684	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	15.434	15.434	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	14.751	14.751	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	12.186	12.186	0	%100
11	MP2A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
12	MP2A	Z	14.751	14.751	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	14.751	14.751	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	15.434	15.434	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	30.785	30.785	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	4.274	4.274	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	4.274	4.274	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	7.839	7.839	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	8.256	8.256	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	7.839	7.839	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	8.256	8.256	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	13.68	13.68	0	%100
37	M35	X	0	0	0	%100
38	M35	Z	3.859	3.859	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	3.859	3.859	0	%100
41	M37	X	0	0	0	%100
42	M37	Z	7.696	7.696	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	4.274	4.274	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	17.094	17.094	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	23.089	23.089	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	7.839	7.839	0	%100
51	M48	X	0	0	0	%100
52	M48	Z	8.256	8.256	0	%100
53	M50A	X	0	0	0	%100
54	M50A	Z	23.089	23.089	0	%100
55	M51C	X	0	0	0	%100
56	M51C	Z	31.355	31.355	0	%100
57	M53	X	0	0	0	%100
58	M53	Z	33.026	33.026	0	%100
59	M58A	X	0	0	0	%100
60	M58A	Z	13.68	13.68	0	%100
61	M59A	X	0	0	0	%100
62	M59A	Z	3.859	3.859	0	%100
63	M60	X	0	0	0	%100
64	M60	Z	3.859	3.859	0	%100
65	M61	X	0	0	0	%100
66	M61	Z	7.696	7.696	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
67	M64	X	0	0	0	%100
68	M64	Z	17.094	17.094	0	%100
69	M65	X	0	0	0	%100
70	M65	Z	4.274	4.274	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	23.089	23.089	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	31.355	31.355	0	%100
75	M72	X	0	0	0	%100
76	M72	Z	33.026	33.026	0	%100
77	M74	X	0	0	0	%100
78	M74	Z	23.089	23.089	0	%100
79	M75	X	0	0	0	%100
80	M75	Z	7.839	7.839	0	%100
81	M77A	X	0	0	0	%100
82	M77A	Z	8.256	8.256	0	%100
83	M82	X	0	0	0	%100
84	M82	Z	3.921	3.921	0	%100
85	MP3C	X	0	0	0	%100
86	MP3C	Z	14.751	14.751	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	12.186	12.186	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	14.751	14.751	0	%100
91	M91A	X	0	0	0	%100
92	M91A	Z	3.921	3.921	0	%100
93	MP3B	X	0	0	0	%100
94	MP3B	Z	14.751	14.751	0	%100
95	MP4B	X	0	0	0	%100
96	MP4B	Z	12.186	12.186	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	14.751	14.751	0	%100
99	M100	X	0	0	0	%100
100	M100	Z	14.751	14.751	0	%100
101	M105	X	0	0	0	%100
102	M105	Z	3.688	3.688	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	3.688	3.688	0	%100
105	M124	X	0	0	0	%100
106	M124	Z	13.436	13.436	0	%100
107	M125	X	0	0	0	%100
108	M125	Z	21.453	21.453	0	%100
109	M126	X	0	0	0	%100
110	M126	Z	21.453	21.453	0	%100
111	M121	X	0	0	0	%100
112	M121	Z	14.751	14.751	0	%100
113	MP1C	X	0	0	0	%100
114	MP1C	Z	14.751	14.751	0	%100
115	M130	X	0	0	0	%100
116	M130	Z	14.751	14.751	0	%100
117	MP1B	X	0	0	0	%100
118	MP1B	Z	14.751	14.751	0	%100
119	M136	X	0	0	0	%100
120	M136	Z	14.751	14.751	0	%100
121	M135	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
122	M135	Z	4.824	4.824	0	%100
123	M139	X	0	0	0	%100
124	M139	Z	19.295	19.295	0	%100
125	M140	X	0	0	0	%100
126	M140	Z	4.824	4.824	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M1	X	-5.881	-5.881	0	%100
2	M1	Z	10.187	10.187	0	%100
3	M4	X	-2.28	-2.28	0	%100
4	M4	Z	3.949	3.949	0	%100
5	M10	X	-5.788	-5.788	0	%100
6	M10	Z	10.025	10.025	0	%100
7	MP3A	X	-7.376	-7.376	0	%100
8	MP3A	Z	12.775	12.775	0	%100
9	MP4A	X	-6.093	-6.093	0	%100
10	MP4A	Z	10.553	10.553	0	%100
11	MP2A	X	-7.376	-7.376	0	%100
12	MP2A	Z	12.775	12.775	0	%100
13	MP1A	X	-7.376	-7.376	0	%100
14	MP1A	Z	12.775	12.775	0	%100
15	M43	X	-5.788	-5.788	0	%100
16	M43	Z	10.025	10.025	0	%100
17	M46	X	-11.544	-11.544	0	%100
18	M46	Z	19.995	19.995	0	%100
19	M51B	X	-6.41	-6.41	0	%100
20	M51B	Z	11.103	11.103	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-3.848	-3.848	0	%100
24	M76	Z	6.665	6.665	0	%100
25	M77	X	-11.758	-11.758	0	%100
26	M77	Z	20.366	20.366	0	%100
27	M80	X	-12.385	-12.385	0	%100
28	M80	Z	21.451	21.451	0	%100
29	M84	X	-3.848	-3.848	0	%100
30	M84	Z	6.665	6.665	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	-2.28	-2.28	0	%100
36	M34	Z	3.949	3.949	0	%100
37	M35	X	-5.788	-5.788	0	%100
38	M35	Z	10.025	10.025	0	%100
39	M36	X	-5.788	-5.788	0	%100
40	M36	Z	10.025	10.025	0	%100
41	M37	X	-11.544	-11.544	0	%100
42	M37	Z	19.995	19.995	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	0	0	0	%100
45	M41	X	-6.41	-6.41	0	%100
46	M41	Z	11.103	11.103	0	%100
47	M45	X	-3.848	-3.848	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
48	M45	Z	6.665	6.665	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	0	0	0	%100
51	M48	X	0	0	0	%100
52	M48	Z	0	0	0	%100
53	M50A	X	-3.848	-3.848	0	%100
54	M50A	Z	6.665	6.665	0	%100
55	M51C	X	-11.758	-11.758	0	%100
56	M51C	Z	20.366	20.366	0	%100
57	M53	X	-12.385	-12.385	0	%100
58	M53	Z	21.451	21.451	0	%100
59	M58A	X	-9.12	-9.12	0	%100
60	M58A	Z	15.796	15.796	0	%100
61	M59A	X	0	0	0	%100
62	M59A	Z	0	0	0	%100
63	M60	X	0	0	0	%100
64	M60	Z	0	0	0	%100
65	M61	X	0	0	0	%100
66	M61	Z	0	0	0	%100
67	M64	X	-6.41	-6.41	0	%100
68	M64	Z	11.103	11.103	0	%100
69	M65	X	-6.41	-6.41	0	%100
70	M65	Z	11.103	11.103	0	%100
71	M69	X	-15.393	-15.393	0	%100
72	M69	Z	26.661	26.661	0	%100
73	M70	X	-11.758	-11.758	0	%100
74	M70	Z	20.366	20.366	0	%100
75	M72	X	-12.385	-12.385	0	%100
76	M72	Z	21.451	21.451	0	%100
77	M74	X	-15.393	-15.393	0	%100
78	M74	Z	26.661	26.661	0	%100
79	M75	X	-11.758	-11.758	0	%100
80	M75	Z	20.366	20.366	0	%100
81	M77A	X	-12.385	-12.385	0	%100
82	M77A	Z	21.451	21.451	0	%100
83	M82	X	-5.881	-5.881	0	%100
84	M82	Z	10.187	10.187	0	%100
85	MP3C	X	-7.376	-7.376	0	%100
86	MP3C	Z	12.775	12.775	0	%100
87	MP4C	X	-6.093	-6.093	0	%100
88	MP4C	Z	10.553	10.553	0	%100
89	MP2C	X	-7.376	-7.376	0	%100
90	MP2C	Z	12.775	12.775	0	%100
91	M91A	X	0	0	0	%100
92	M91A	Z	0	0	0	%100
93	MP3B	X	-7.376	-7.376	0	%100
94	MP3B	Z	12.775	12.775	0	%100
95	MP4B	X	-6.093	-6.093	0	%100
96	MP4B	Z	10.553	10.553	0	%100
97	MP2B	X	-7.376	-7.376	0	%100
98	MP2B	Z	12.775	12.775	0	%100
99	M100	X	-5.532	-5.532	0	%100
100	M100	Z	9.581	9.581	0	%100
101	M105	X	-5.532	-5.532	0	%100
102	M105	Z	9.581	9.581	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
103	M110	X	0	0	0	%100
104	M110	Z	0	0	0	%100
105	M124	X	-8.054	-8.054	0	%100
106	M124	Z	13.95	13.95	0	%100
107	M125	X	-8.054	-8.054	0	%100
108	M125	Z	13.95	13.95	0	%100
109	M126	X	-12.063	-12.063	0	%100
110	M126	Z	20.894	20.894	0	%100
111	M121	X	-7.376	-7.376	0	%100
112	M121	Z	12.775	12.775	0	%100
113	MP1C	X	-7.376	-7.376	0	%100
114	MP1C	Z	12.775	12.775	0	%100
115	M130	X	-7.376	-7.376	0	%100
116	M130	Z	12.775	12.775	0	%100
117	MP1B	X	-7.376	-7.376	0	%100
118	MP1B	Z	12.775	12.775	0	%100
119	M136	X	-7.376	-7.376	0	%100
120	M136	Z	12.775	12.775	0	%100
121	M135	X	-7.236	-7.236	0	%100
122	M135	Z	12.533	12.533	0	%100
123	M139	X	-7.236	-7.236	0	%100
124	M139	Z	12.533	12.533	0	%100
125	M140	X	0	0	0	%100
126	M140	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M1	X	-3.396	-3.396	0	%100
2	M1	Z	1.96	1.96	0	%100
3	M4	X	-11.847	-11.847	0	%100
4	M4	Z	6.84	6.84	0	%100
5	M10	X	-3.342	-3.342	0	%100
6	M10	Z	1.929	1.929	0	%100
7	MP3A	X	-12.775	-12.775	0	%100
8	MP3A	Z	7.376	7.376	0	%100
9	MP4A	X	-10.553	-10.553	0	%100
10	MP4A	Z	6.093	6.093	0	%100
11	MP2A	X	-12.775	-12.775	0	%100
12	MP2A	Z	7.376	7.376	0	%100
13	MP1A	X	-12.775	-12.775	0	%100
14	MP1A	Z	7.376	7.376	0	%100
15	M43	X	-3.342	-3.342	0	%100
16	M43	Z	1.929	1.929	0	%100
17	M46	X	-6.665	-6.665	0	%100
18	M46	Z	3.848	3.848	0	%100
19	M51B	X	-14.804	-14.804	0	%100
20	M51B	Z	8.547	8.547	0	%100
21	M52B	X	-3.701	-3.701	0	%100
22	M52B	Z	2.137	2.137	0	%100
23	M76	X	-19.995	-19.995	0	%100
24	M76	Z	11.544	11.544	0	%100
25	M77	X	-27.154	-27.154	0	%100
26	M77	Z	15.678	15.678	0	%100
27	M80	X	-28.601	-28.601	0	%100
28	M80	Z	16.513	16.513	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
29	M84	X	-19.995	-19.995	0	%100
30	M84	Z	11.544	11.544	0	%100
31	M85	X	-6.789	-6.789	0	%100
32	M85	Z	3.919	3.919	0	%100
33	M91	X	-7.15	-7.15	0	%100
34	M91	Z	4.128	4.128	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	0	0	0	%100
37	M35	X	-13.366	-13.366	0	%100
38	M35	Z	7.717	7.717	0	%100
39	M36	X	-13.366	-13.366	0	%100
40	M36	Z	7.717	7.717	0	%100
41	M37	X	-26.661	-26.661	0	%100
42	M37	Z	15.393	15.393	0	%100
43	M40	X	-3.701	-3.701	0	%100
44	M40	Z	2.137	2.137	0	%100
45	M41	X	-3.701	-3.701	0	%100
46	M41	Z	2.137	2.137	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	0	0	0	%100
49	M46A	X	-6.789	-6.789	0	%100
50	M46A	Z	3.919	3.919	0	%100
51	M48	X	-7.15	-7.15	0	%100
52	M48	Z	4.128	4.128	0	%100
53	M50A	X	0	0	0	%100
54	M50A	Z	0	0	0	%100
55	M51C	X	-6.789	-6.789	0	%100
56	M51C	Z	3.919	3.919	0	%100
57	M53	X	-7.15	-7.15	0	%100
58	M53	Z	4.128	4.128	0	%100
59	M58A	X	-11.847	-11.847	0	%100
60	M58A	Z	6.84	6.84	0	%100
61	M59A	X	-3.342	-3.342	0	%100
62	M59A	Z	1.929	1.929	0	%100
63	M60	X	-3.342	-3.342	0	%100
64	M60	Z	1.929	1.929	0	%100
65	M61	X	-6.665	-6.665	0	%100
66	M61	Z	3.848	3.848	0	%100
67	M64	X	-3.701	-3.701	0	%100
68	M64	Z	2.137	2.137	0	%100
69	M65	X	-14.804	-14.804	0	%100
70	M65	Z	8.547	8.547	0	%100
71	M69	X	-19.995	-19.995	0	%100
72	M69	Z	11.544	11.544	0	%100
73	M70	X	-6.789	-6.789	0	%100
74	M70	Z	3.919	3.919	0	%100
75	M72	X	-7.15	-7.15	0	%100
76	M72	Z	4.128	4.128	0	%100
77	M74	X	-19.995	-19.995	0	%100
78	M74	Z	11.544	11.544	0	%100
79	M75	X	-27.154	-27.154	0	%100
80	M75	Z	15.678	15.678	0	%100
81	M77A	X	-28.601	-28.601	0	%100
82	M77A	Z	16.513	16.513	0	%100
83	M82	X	-13.582	-13.582	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
84	M82	Z	7.842	7.842	0	%100
85	MP3C	X	-12.775	-12.775	0	%100
86	MP3C	Z	7.376	7.376	0	%100
87	MP4C	X	-10.553	-10.553	0	%100
88	MP4C	Z	6.093	6.093	0	%100
89	MP2C	X	-12.775	-12.775	0	%100
90	MP2C	Z	7.376	7.376	0	%100
91	M91A	X	-3.396	-3.396	0	%100
92	M91A	Z	1.96	1.96	0	%100
93	MP3B	X	-12.775	-12.775	0	%100
94	MP3B	Z	7.376	7.376	0	%100
95	MP4B	X	-10.553	-10.553	0	%100
96	MP4B	Z	6.093	6.093	0	%100
97	MP2B	X	-12.775	-12.775	0	%100
98	MP2B	Z	7.376	7.376	0	%100
99	M100	X	-3.194	-3.194	0	%100
100	M100	Z	1.844	1.844	0	%100
101	M105	X	-12.775	-12.775	0	%100
102	M105	Z	7.376	7.376	0	%100
103	M110	X	-3.194	-3.194	0	%100
104	M110	Z	1.844	1.844	0	%100
105	M124	X	-18.579	-18.579	0	%100
106	M124	Z	10.727	10.727	0	%100
107	M125	X	-11.636	-11.636	0	%100
108	M125	Z	6.718	6.718	0	%100
109	M126	X	-18.579	-18.579	0	%100
110	M126	Z	10.727	10.727	0	%100
111	M121	X	-12.775	-12.775	0	%100
112	M121	Z	7.376	7.376	0	%100
113	MP1C	X	-12.775	-12.775	0	%100
114	MP1C	Z	7.376	7.376	0	%100
115	M130	X	-12.775	-12.775	0	%100
116	M130	Z	7.376	7.376	0	%100
117	MP1B	X	-12.775	-12.775	0	%100
118	MP1B	Z	7.376	7.376	0	%100
119	M136	X	-12.775	-12.775	0	%100
120	M136	Z	7.376	7.376	0	%100
121	M135	X	-16.71	-16.71	0	%100
122	M135	Z	9.648	9.648	0	%100
123	M139	X	-4.178	-4.178	0	%100
124	M139	Z	2.412	2.412	0	%100
125	M140	X	-4.178	-4.178	0	%100
126	M140	Z	2.412	2.412	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-18.24	-18.24	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	-14.751	-14.751	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	-12.186	-12.186	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
10	MP4A	Z	0	0	0	%100
11	MP2A	X	-14.751	-14.751	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-14.751	-14.751	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	-12.821	-12.821	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-12.821	-12.821	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-30.785	-30.785	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	-23.516	-23.516	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	-24.769	-24.769	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-30.785	-30.785	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	-23.516	-23.516	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	-24.769	-24.769	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	-4.56	-4.56	0	%100
36	M34	Z	0	0	0	%100
37	M35	X	-11.576	-11.576	0	%100
38	M35	Z	0	0	0	%100
39	M36	X	-11.576	-11.576	0	%100
40	M36	Z	0	0	0	%100
41	M37	X	-23.089	-23.089	0	%100
42	M37	Z	0	0	0	%100
43	M40	X	-12.821	-12.821	0	%100
44	M40	Z	0	0	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	0	0	0	%100
47	M45	X	-7.696	-7.696	0	%100
48	M45	Z	0	0	0	%100
49	M46A	X	-23.516	-23.516	0	%100
50	M46A	Z	0	0	0	%100
51	M48	X	-24.769	-24.769	0	%100
52	M48	Z	0	0	0	%100
53	M50A	X	-7.696	-7.696	0	%100
54	M50A	Z	0	0	0	%100
55	M51C	X	0	0	0	%100
56	M51C	Z	0	0	0	%100
57	M53	X	0	0	0	%100
58	M53	Z	0	0	0	%100
59	M58A	X	-4.56	-4.56	0	%100
60	M58A	Z	0	0	0	%100
61	M59A	X	-11.576	-11.576	0	%100
62	M59A	Z	0	0	0	%100
63	M60	X	-11.576	-11.576	0	%100
64	M60	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
65	M61	X	-23.089	-23.089	0	%100
66	M61	Z	0	0	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	0	0	0	%100
69	M65	X	-12.821	-12.821	0	%100
70	M65	Z	0	0	0	%100
71	M69	X	-7.696	-7.696	0	%100
72	M69	Z	0	0	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	0	0	0	%100
75	M72	X	0	0	0	%100
76	M72	Z	0	0	0	%100
77	M74	X	-7.696	-7.696	0	%100
78	M74	Z	0	0	0	%100
79	M75	X	-23.516	-23.516	0	%100
80	M75	Z	0	0	0	%100
81	M77A	X	-24.769	-24.769	0	%100
82	M77A	Z	0	0	0	%100
83	M82	X	-11.763	-11.763	0	%100
84	M82	Z	0	0	0	%100
85	MP3C	X	-14.751	-14.751	0	%100
86	MP3C	Z	0	0	0	%100
87	MP4C	X	-12.186	-12.186	0	%100
88	MP4C	Z	0	0	0	%100
89	MP2C	X	-14.751	-14.751	0	%100
90	MP2C	Z	0	0	0	%100
91	M91A	X	-11.763	-11.763	0	%100
92	M91A	Z	0	0	0	%100
93	MP3B	X	-14.751	-14.751	0	%100
94	MP3B	Z	0	0	0	%100
95	MP4B	X	-12.186	-12.186	0	%100
96	MP4B	Z	0	0	0	%100
97	MP2B	X	-14.751	-14.751	0	%100
98	MP2B	Z	0	0	0	%100
99	M100	X	0	0	0	%100
100	M100	Z	0	0	0	%100
101	M105	X	-11.063	-11.063	0	%100
102	M105	Z	0	0	0	%100
103	M110	X	-11.063	-11.063	0	%100
104	M110	Z	0	0	0	%100
105	M124	X	-24.126	-24.126	0	%100
106	M124	Z	0	0	0	%100
107	M125	X	-16.108	-16.108	0	%100
108	M125	Z	0	0	0	%100
109	M126	X	-16.108	-16.108	0	%100
110	M126	Z	0	0	0	%100
111	M121	X	-14.751	-14.751	0	%100
112	M121	Z	0	0	0	%100
113	MP1C	X	-14.751	-14.751	0	%100
114	MP1C	Z	0	0	0	%100
115	M130	X	-14.751	-14.751	0	%100
116	M130	Z	0	0	0	%100
117	MP1B	X	-14.751	-14.751	0	%100
118	MP1B	Z	0	0	0	%100
119	M136	X	-14.751	-14.751	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
120	M136	Z	0	0	0	%100
121	M135	X	-14.472	-14.472	0	%100
122	M135	Z	0	0	0	%100
123	M139	X	0	0	0	%100
124	M139	Z	0	0	0	%100
125	M140	X	-14.472	-14.472	0	%100
126	M140	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M1	X	-3.396	-3.396	0	%100
2	M1	Z	-1.96	-1.96	0	%100
3	M4	X	-11.847	-11.847	0	%100
4	M4	Z	-6.84	-6.84	0	%100
5	M10	X	-3.342	-3.342	0	%100
6	M10	Z	-1.929	-1.929	0	%100
7	MP3A	X	-12.775	-12.775	0	%100
8	MP3A	Z	-7.376	-7.376	0	%100
9	MP4A	X	-10.553	-10.553	0	%100
10	MP4A	Z	-6.093	-6.093	0	%100
11	MP2A	X	-12.775	-12.775	0	%100
12	MP2A	Z	-7.376	-7.376	0	%100
13	MP1A	X	-12.775	-12.775	0	%100
14	MP1A	Z	-7.376	-7.376	0	%100
15	M43	X	-3.342	-3.342	0	%100
16	M43	Z	-1.929	-1.929	0	%100
17	M46	X	-6.665	-6.665	0	%100
18	M46	Z	-3.848	-3.848	0	%100
19	M51B	X	-3.701	-3.701	0	%100
20	M51B	Z	-2.137	-2.137	0	%100
21	M52B	X	-14.804	-14.804	0	%100
22	M52B	Z	-8.547	-8.547	0	%100
23	M76	X	-19.995	-19.995	0	%100
24	M76	Z	-11.544	-11.544	0	%100
25	M77	X	-6.789	-6.789	0	%100
26	M77	Z	-3.919	-3.919	0	%100
27	M80	X	-7.15	-7.15	0	%100
28	M80	Z	-4.128	-4.128	0	%100
29	M84	X	-19.995	-19.995	0	%100
30	M84	Z	-11.544	-11.544	0	%100
31	M85	X	-27.154	-27.154	0	%100
32	M85	Z	-15.678	-15.678	0	%100
33	M91	X	-28.601	-28.601	0	%100
34	M91	Z	-16.513	-16.513	0	%100
35	M34	X	-11.847	-11.847	0	%100
36	M34	Z	-6.84	-6.84	0	%100
37	M35	X	-3.342	-3.342	0	%100
38	M35	Z	-1.929	-1.929	0	%100
39	M36	X	-3.342	-3.342	0	%100
40	M36	Z	-1.929	-1.929	0	%100
41	M37	X	-6.665	-6.665	0	%100
42	M37	Z	-3.848	-3.848	0	%100
43	M40	X	-14.804	-14.804	0	%100
44	M40	Z	-8.547	-8.547	0	%100
45	M41	X	-3.701	-3.701	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
46	M41	Z	-2.137	-2.137	0	%100
47	M45	X	-19.995	-19.995	0	%100
48	M45	Z	-11.544	-11.544	0	%100
49	M46A	X	-27.154	-27.154	0	%100
50	M46A	Z	-15.678	-15.678	0	%100
51	M48	X	-28.601	-28.601	0	%100
52	M48	Z	-16.513	-16.513	0	%100
53	M50A	X	-19.995	-19.995	0	%100
54	M50A	Z	-11.544	-11.544	0	%100
55	M51C	X	-6.789	-6.789	0	%100
56	M51C	Z	-3.919	-3.919	0	%100
57	M53	X	-7.15	-7.15	0	%100
58	M53	Z	-4.128	-4.128	0	%100
59	M58A	X	0	0	0	%100
60	M58A	Z	0	0	0	%100
61	M59A	X	-13.366	-13.366	0	%100
62	M59A	Z	-7.717	-7.717	0	%100
63	M60	X	-13.366	-13.366	0	%100
64	M60	Z	-7.717	-7.717	0	%100
65	M61	X	-26.661	-26.661	0	%100
66	M61	Z	-15.393	-15.393	0	%100
67	M64	X	-3.701	-3.701	0	%100
68	M64	Z	-2.137	-2.137	0	%100
69	M65	X	-3.701	-3.701	0	%100
70	M65	Z	-2.137	-2.137	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	0	0	0	%100
73	M70	X	-6.789	-6.789	0	%100
74	M70	Z	-3.919	-3.919	0	%100
75	M72	X	-7.15	-7.15	0	%100
76	M72	Z	-4.128	-4.128	0	%100
77	M74	X	0	0	0	%100
78	M74	Z	0	0	0	%100
79	M75	X	-6.789	-6.789	0	%100
80	M75	Z	-3.919	-3.919	0	%100
81	M77A	X	-7.15	-7.15	0	%100
82	M77A	Z	-4.128	-4.128	0	%100
83	M82	X	-3.396	-3.396	0	%100
84	M82	Z	-1.96	-1.96	0	%100
85	MP3C	X	-12.775	-12.775	0	%100
86	MP3C	Z	-7.376	-7.376	0	%100
87	MP4C	X	-10.553	-10.553	0	%100
88	MP4C	Z	-6.093	-6.093	0	%100
89	MP2C	X	-12.775	-12.775	0	%100
90	MP2C	Z	-7.376	-7.376	0	%100
91	M91A	X	-13.582	-13.582	0	%100
92	M91A	Z	-7.842	-7.842	0	%100
93	MP3B	X	-12.775	-12.775	0	%100
94	MP3B	Z	-7.376	-7.376	0	%100
95	MP4B	X	-10.553	-10.553	0	%100
96	MP4B	Z	-6.093	-6.093	0	%100
97	MP2B	X	-12.775	-12.775	0	%100
98	MP2B	Z	-7.376	-7.376	0	%100
99	M100	X	-3.194	-3.194	0	%100
100	M100	Z	-1.844	-1.844	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
101	M105	X	-3.194	-3.194	0	%100
102	M105	Z	-1.844	-1.844	0	%100
103	M110	X	-12.775	-12.775	0	%100
104	M110	Z	-7.376	-7.376	0	%100
105	M124	X	-18.579	-18.579	0	%100
106	M124	Z	-10.727	-10.727	0	%100
107	M125	X	-18.579	-18.579	0	%100
108	M125	Z	-10.727	-10.727	0	%100
109	M126	X	-11.636	-11.636	0	%100
110	M126	Z	-6.718	-6.718	0	%100
111	M121	X	-12.775	-12.775	0	%100
112	M121	Z	-7.376	-7.376	0	%100
113	MP1C	X	-12.775	-12.775	0	%100
114	MP1C	Z	-7.376	-7.376	0	%100
115	M130	X	-12.775	-12.775	0	%100
116	M130	Z	-7.376	-7.376	0	%100
117	MP1B	X	-12.775	-12.775	0	%100
118	MP1B	Z	-7.376	-7.376	0	%100
119	M136	X	-12.775	-12.775	0	%100
120	M136	Z	-7.376	-7.376	0	%100
121	M135	X	-4.178	-4.178	0	%100
122	M135	Z	-2.412	-2.412	0	%100
123	M139	X	-4.178	-4.178	0	%100
124	M139	Z	-2.412	-2.412	0	%100
125	M140	X	-16.71	-16.71	0	%100
126	M140	Z	-9.648	-9.648	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M1	X	-5.881	-5.881	0	%100
2	M1	Z	-10.187	-10.187	0	%100
3	M4	X	-2.28	-2.28	0	%100
4	M4	Z	-3.949	-3.949	0	%100
5	M10	X	-5.788	-5.788	0	%100
6	M10	Z	-10.025	-10.025	0	%100
7	MP3A	X	-7.376	-7.376	0	%100
8	MP3A	Z	-12.775	-12.775	0	%100
9	MP4A	X	-6.093	-6.093	0	%100
10	MP4A	Z	-10.553	-10.553	0	%100
11	MP2A	X	-7.376	-7.376	0	%100
12	MP2A	Z	-12.775	-12.775	0	%100
13	MP1A	X	-7.376	-7.376	0	%100
14	MP1A	Z	-12.775	-12.775	0	%100
15	M43	X	-5.788	-5.788	0	%100
16	M43	Z	-10.025	-10.025	0	%100
17	M46	X	-11.544	-11.544	0	%100
18	M46	Z	-19.995	-19.995	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-6.41	-6.41	0	%100
22	M52B	Z	-11.103	-11.103	0	%100
23	M76	X	-3.848	-3.848	0	%100
24	M76	Z	-6.665	-6.665	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-3.848	-3.848	0	%100
30	M84	Z	-6.665	-6.665	0	%100
31	M85	X	-11.758	-11.758	0	%100
32	M85	Z	-20.366	-20.366	0	%100
33	M91	X	-12.385	-12.385	0	%100
34	M91	Z	-21.451	-21.451	0	%100
35	M34	X	-9.12	-9.12	0	%100
36	M34	Z	-15.796	-15.796	0	%100
37	M35	X	0	0	0	%100
38	M35	Z	0	0	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	0	0	0	%100
41	M37	X	0	0	0	%100
42	M37	Z	0	0	0	%100
43	M40	X	-6.41	-6.41	0	%100
44	M40	Z	-11.103	-11.103	0	%100
45	M41	X	-6.41	-6.41	0	%100
46	M41	Z	-11.103	-11.103	0	%100
47	M45	X	-15.393	-15.393	0	%100
48	M45	Z	-26.661	-26.661	0	%100
49	M46A	X	-11.758	-11.758	0	%100
50	M46A	Z	-20.366	-20.366	0	%100
51	M48	X	-12.385	-12.385	0	%100
52	M48	Z	-21.451	-21.451	0	%100
53	M50A	X	-15.393	-15.393	0	%100
54	M50A	Z	-26.661	-26.661	0	%100
55	M51C	X	-11.758	-11.758	0	%100
56	M51C	Z	-20.366	-20.366	0	%100
57	M53	X	-12.385	-12.385	0	%100
58	M53	Z	-21.451	-21.451	0	%100
59	M58A	X	-2.28	-2.28	0	%100
60	M58A	Z	-3.949	-3.949	0	%100
61	M59A	X	-5.788	-5.788	0	%100
62	M59A	Z	-10.025	-10.025	0	%100
63	M60	X	-5.788	-5.788	0	%100
64	M60	Z	-10.025	-10.025	0	%100
65	M61	X	-11.544	-11.544	0	%100
66	M61	Z	-19.995	-19.995	0	%100
67	M64	X	-6.41	-6.41	0	%100
68	M64	Z	-11.103	-11.103	0	%100
69	M65	X	0	0	0	%100
70	M65	Z	0	0	0	%100
71	M69	X	-3.848	-3.848	0	%100
72	M69	Z	-6.665	-6.665	0	%100
73	M70	X	-11.758	-11.758	0	%100
74	M70	Z	-20.366	-20.366	0	%100
75	M72	X	-12.385	-12.385	0	%100
76	M72	Z	-21.451	-21.451	0	%100
77	M74	X	-3.848	-3.848	0	%100
78	M74	Z	-6.665	-6.665	0	%100
79	M75	X	0	0	0	%100
80	M75	Z	0	0	0	%100
81	M77A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
82	M77A	Z	0	0	0	%100
83	M82	X	0	0	0	%100
84	M82	Z	0	0	0	%100
85	MP3C	X	-7.376	-7.376	0	%100
86	MP3C	Z	-12.775	-12.775	0	%100
87	MP4C	X	-6.093	-6.093	0	%100
88	MP4C	Z	-10.553	-10.553	0	%100
89	MP2C	X	-7.376	-7.376	0	%100
90	MP2C	Z	-12.775	-12.775	0	%100
91	M91A	X	-5.881	-5.881	0	%100
92	M91A	Z	-10.187	-10.187	0	%100
93	MP3B	X	-7.376	-7.376	0	%100
94	MP3B	Z	-12.775	-12.775	0	%100
95	MP4B	X	-6.093	-6.093	0	%100
96	MP4B	Z	-10.553	-10.553	0	%100
97	MP2B	X	-7.376	-7.376	0	%100
98	MP2B	Z	-12.775	-12.775	0	%100
99	M100	X	-5.532	-5.532	0	%100
100	M100	Z	-9.581	-9.581	0	%100
101	M105	X	0	0	0	%100
102	M105	Z	0	0	0	%100
103	M110	X	-5.532	-5.532	0	%100
104	M110	Z	-9.581	-9.581	0	%100
105	M124	X	-8.054	-8.054	0	%100
106	M124	Z	-13.95	-13.95	0	%100
107	M125	X	-12.063	-12.063	0	%100
108	M125	Z	-20.894	-20.894	0	%100
109	M126	X	-8.054	-8.054	0	%100
110	M126	Z	-13.95	-13.95	0	%100
111	M121	X	-7.376	-7.376	0	%100
112	M121	Z	-12.775	-12.775	0	%100
113	MP1C	X	-7.376	-7.376	0	%100
114	MP1C	Z	-12.775	-12.775	0	%100
115	M130	X	-7.376	-7.376	0	%100
116	M130	Z	-12.775	-12.775	0	%100
117	MP1B	X	-7.376	-7.376	0	%100
118	MP1B	Z	-12.775	-12.775	0	%100
119	M136	X	-7.376	-7.376	0	%100
120	M136	Z	-12.775	-12.775	0	%100
121	M135	X	0	0	0	%100
122	M135	Z	0	0	0	%100
123	M139	X	-7.236	-7.236	0	%100
124	M139	Z	-12.533	-12.533	0	%100
125	M140	X	-7.236	-7.236	0	%100
126	M140	Z	-12.533	-12.533	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M1	X	0	0	0	%100
2	M1	Z	-4.431	-4.431	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	-3.637	-3.637	0	%100
7	MP3A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
8	MP3A	Z	-3.956	-3.956	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	-3.577	-3.577	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-3.956	-3.956	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-3.956	-3.956	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	-3.637	-3.637	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	-5.681	-5.681	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	-1.046	-1.046	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	-1.046	-1.046	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	-1.418	-1.418	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	-1.48	-1.48	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	-1.418	-1.418	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	-1.48	-1.48	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	-3.354	-3.354	0	%100
37	M35	X	0	0	0	%100
38	M35	Z	-0.909	-0.909	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	-0.909	-0.909	0	%100
41	M37	X	0	0	0	%100
42	M37	Z	-1.42	-1.42	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	-1.046	-1.046	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	-4.184	-4.184	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	-4.192	-4.192	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	-1.418	-1.418	0	%100
51	M48	X	0	0	0	%100
52	M48	Z	-1.48	-1.48	0	%100
53	M50A	X	0	0	0	%100
54	M50A	Z	-4.192	-4.192	0	%100
55	M51C	X	0	0	0	%100
56	M51C	Z	-5.673	-5.673	0	%100
57	M53	X	0	0	0	%100
58	M53	Z	-5.92	-5.92	0	%100
59	M58A	X	0	0	0	%100
60	M58A	Z	-3.354	-3.354	0	%100
61	M59A	X	0	0	0	%100
62	M59A	Z	-0.909	-0.909	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
63	M60	X	0	0	0	%100
64	M60	Z	-0.909	-0.909	0	%100
65	M61	X	0	0	0	%100
66	M61	Z	-1.42	-1.42	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	-4.184	-4.184	0	%100
69	M65	X	0	0	0	%100
70	M65	Z	-1.046	-1.046	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	-4.192	-4.192	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	-5.673	-5.673	0	%100
75	M72	X	0	0	0	%100
76	M72	Z	-5.92	-5.92	0	%100
77	M74	X	0	0	0	%100
78	M74	Z	-4.192	-4.192	0	%100
79	M75	X	0	0	0	%100
80	M75	Z	-1.418	-1.418	0	%100
81	M77A	X	0	0	0	%100
82	M77A	Z	-1.48	-1.48	0	%100
83	M82	X	0	0	0	%100
84	M82	Z	-1.108	-1.108	0	%100
85	MP3C	X	0	0	0	%100
86	MP3C	Z	-3.956	-3.956	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	-3.577	-3.577	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	-3.956	-3.956	0	%100
91	M91A	X	0	0	0	%100
92	M91A	Z	-1.108	-1.108	0	%100
93	MP3B	X	0	0	0	%100
94	MP3B	Z	-3.956	-3.956	0	%100
95	MP4B	X	0	0	0	%100
96	MP4B	Z	-3.577	-3.577	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	-3.956	-3.956	0	%100
99	M100	X	0	0	0	%100
100	M100	Z	-3.956	-3.956	0	%100
101	M105	X	0	0	0	%100
102	M105	Z	-0.989	-0.989	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	-0.989	-0.989	0	%100
105	M124	X	0	0	0	%100
106	M124	Z	-2.544	-2.544	0	%100
107	M125	X	0	0	0	%100
108	M125	Z	-4.643	-4.643	0	%100
109	M126	X	0	0	0	%100
110	M126	Z	-4.643	-4.643	0	%100
111	M121	X	0	0	0	%100
112	M121	Z	-3.956	-3.956	0	%100
113	MP1C	X	0	0	0	%100
114	MP1C	Z	-3.956	-3.956	0	%100
115	M130	X	0	0	0	%100
116	M130	Z	-3.956	-3.956	0	%100
117	MP1B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
118	MP1B	Z	-3.956	-3.956	0	%100
119	M136	X	0	0	0	%100
120	M136	Z	-3.956	-3.956	0	%100
121	M135	X	0	0	0	%100
122	M135	Z	-1.059	-1.059	0	%100
123	M139	X	0	0	0	%100
124	M139	Z	-4.234	-4.234	0	%100
125	M140	X	0	0	0	%100
126	M140	Z	-1.059	-1.059	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M1	X	1.662	1.662	0	%100
2	M1	Z	-2.878	-2.878	0	%100
3	M4	X	0.559	0.559	0	%100
4	M4	Z	-0.968	-0.968	0	%100
5	M10	X	1.364	1.364	0	%100
6	M10	Z	-2.362	-2.362	0	%100
7	MP3A	X	1.978	1.978	0	%100
8	MP3A	Z	-3.426	-3.426	0	%100
9	MP4A	X	1.788	1.788	0	%100
10	MP4A	Z	-3.098	-3.098	0	%100
11	MP2A	X	1.978	1.978	0	%100
12	MP2A	Z	-3.426	-3.426	0	%100
13	MP1A	X	1.978	1.978	0	%100
14	MP1A	Z	-3.426	-3.426	0	%100
15	M43	X	1.364	1.364	0	%100
16	M43	Z	-2.362	-2.362	0	%100
17	M46	X	2.13	2.13	0	%100
18	M46	Z	-3.69	-3.69	0	%100
19	M51B	X	1.569	1.569	0	%100
20	M51B	Z	-2.717	-2.717	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	0.699	0.699	0	%100
24	M76	Z	-1.21	-1.21	0	%100
25	M77	X	2.127	2.127	0	%100
26	M77	Z	-3.685	-3.685	0	%100
27	M80	X	2.22	2.22	0	%100
28	M80	Z	-3.845	-3.845	0	%100
29	M84	X	0.699	0.699	0	%100
30	M84	Z	-1.21	-1.21	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	0.559	0.559	0	%100
36	M34	Z	-0.968	-0.968	0	%100
37	M35	X	1.364	1.364	0	%100
38	M35	Z	-2.362	-2.362	0	%100
39	M36	X	1.364	1.364	0	%100
40	M36	Z	-2.362	-2.362	0	%100
41	M37	X	2.13	2.13	0	%100
42	M37	Z	-3.69	-3.69	0	%100
43	M40	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
44	M40	Z	0	0	0	%100
45	M41	X	1.569	1.569	0	%100
46	M41	Z	-2.717	-2.717	0	%100
47	M45	X	0.699	0.699	0	%100
48	M45	Z	-1.21	-1.21	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	0	0	0	%100
51	M48	X	0	0	0	%100
52	M48	Z	0	0	0	%100
53	M50A	X	0.699	0.699	0	%100
54	M50A	Z	-1.21	-1.21	0	%100
55	M51C	X	2.127	2.127	0	%100
56	M51C	Z	-3.685	-3.685	0	%100
57	M53	X	2.22	2.22	0	%100
58	M53	Z	-3.845	-3.845	0	%100
59	M58A	X	2.236	2.236	0	%100
60	M58A	Z	-3.873	-3.873	0	%100
61	M59A	X	0	0	0	%100
62	M59A	Z	0	0	0	%100
63	M60	X	0	0	0	%100
64	M60	Z	0	0	0	%100
65	M61	X	0	0	0	%100
66	M61	Z	0	0	0	%100
67	M64	X	1.569	1.569	0	%100
68	M64	Z	-2.717	-2.717	0	%100
69	M65	X	1.569	1.569	0	%100
70	M65	Z	-2.717	-2.717	0	%100
71	M69	X	2.794	2.794	0	%100
72	M69	Z	-4.84	-4.84	0	%100
73	M70	X	2.127	2.127	0	%100
74	M70	Z	-3.685	-3.685	0	%100
75	M72	X	2.22	2.22	0	%100
76	M72	Z	-3.845	-3.845	0	%100
77	M74	X	2.794	2.794	0	%100
78	M74	Z	-4.84	-4.84	0	%100
79	M75	X	2.127	2.127	0	%100
80	M75	Z	-3.685	-3.685	0	%100
81	M77A	X	2.22	2.22	0	%100
82	M77A	Z	-3.845	-3.845	0	%100
83	M82	X	1.662	1.662	0	%100
84	M82	Z	-2.878	-2.878	0	%100
85	MP3C	X	1.978	1.978	0	%100
86	MP3C	Z	-3.426	-3.426	0	%100
87	MP4C	X	1.788	1.788	0	%100
88	MP4C	Z	-3.098	-3.098	0	%100
89	MP2C	X	1.978	1.978	0	%100
90	MP2C	Z	-3.426	-3.426	0	%100
91	M91A	X	0	0	0	%100
92	M91A	Z	0	0	0	%100
93	MP3B	X	1.978	1.978	0	%100
94	MP3B	Z	-3.426	-3.426	0	%100
95	MP4B	X	1.788	1.788	0	%100
96	MP4B	Z	-3.098	-3.098	0	%100
97	MP2B	X	1.978	1.978	0	%100
98	MP2B	Z	-3.426	-3.426	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
99	M100	X	1.484	1.484	0	%100
100	M100	Z	-2.57	-2.57	0	%100
101	M105	X	1.484	1.484	0	%100
102	M105	Z	-2.57	-2.57	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	0	0	0	%100
105	M124	X	1.622	1.622	0	%100
106	M124	Z	-2.809	-2.809	0	%100
107	M125	X	1.622	1.622	0	%100
108	M125	Z	-2.809	-2.809	0	%100
109	M126	X	2.672	2.672	0	%100
110	M126	Z	-4.627	-4.627	0	%100
111	M121	X	1.978	1.978	0	%100
112	M121	Z	-3.426	-3.426	0	%100
113	MP1C	X	1.978	1.978	0	%100
114	MP1C	Z	-3.426	-3.426	0	%100
115	M130	X	1.978	1.978	0	%100
116	M130	Z	-3.426	-3.426	0	%100
117	MP1B	X	1.978	1.978	0	%100
118	MP1B	Z	-3.426	-3.426	0	%100
119	M136	X	1.978	1.978	0	%100
120	M136	Z	-3.426	-3.426	0	%100
121	M135	X	1.588	1.588	0	%100
122	M135	Z	-2.75	-2.75	0	%100
123	M139	X	1.588	1.588	0	%100
124	M139	Z	-2.75	-2.75	0	%100
125	M140	X	0	0	0	%100
126	M140	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M1	X	0.959	0.959	0	%100
2	M1	Z	-0.554	-0.554	0	%100
3	M4	X	2.905	2.905	0	%100
4	M4	Z	-1.677	-1.677	0	%100
5	M10	X	0.787	0.787	0	%100
6	M10	Z	-0.455	-0.455	0	%100
7	MP3A	X	3.426	3.426	0	%100
8	MP3A	Z	-1.978	-1.978	0	%100
9	MP4A	X	3.098	3.098	0	%100
10	MP4A	Z	-1.788	-1.788	0	%100
11	MP2A	X	3.426	3.426	0	%100
12	MP2A	Z	-1.978	-1.978	0	%100
13	MP1A	X	3.426	3.426	0	%100
14	MP1A	Z	-1.978	-1.978	0	%100
15	M43	X	0.787	0.787	0	%100
16	M43	Z	-0.455	-0.455	0	%100
17	M46	X	1.23	1.23	0	%100
18	M46	Z	-0.71	-0.71	0	%100
19	M51B	X	3.623	3.623	0	%100
20	M51B	Z	-2.092	-2.092	0	%100
21	M52B	X	0.906	0.906	0	%100
22	M52B	Z	-0.523	-0.523	0	%100
23	M76	X	3.63	3.63	0	%100
24	M76	Z	-2.096	-2.096	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
25	M77	X	4.913	4.913	0	%100
26	M77	Z	-2.837	-2.837	0	%100
27	M80	X	5.127	5.127	0	%100
28	M80	Z	-2.96	-2.96	0	%100
29	M84	X	3.63	3.63	0	%100
30	M84	Z	-2.096	-2.096	0	%100
31	M85	X	1.228	1.228	0	%100
32	M85	Z	-0.709	-0.709	0	%100
33	M91	X	1.282	1.282	0	%100
34	M91	Z	-0.74	-0.74	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	0	0	0	%100
37	M35	X	3.149	3.149	0	%100
38	M35	Z	-1.818	-1.818	0	%100
39	M36	X	3.149	3.149	0	%100
40	M36	Z	-1.818	-1.818	0	%100
41	M37	X	4.92	4.92	0	%100
42	M37	Z	-2.84	-2.84	0	%100
43	M40	X	0.906	0.906	0	%100
44	M40	Z	-0.523	-0.523	0	%100
45	M41	X	0.906	0.906	0	%100
46	M41	Z	-0.523	-0.523	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	0	0	0	%100
49	M46A	X	1.228	1.228	0	%100
50	M46A	Z	-0.709	-0.709	0	%100
51	M48	X	1.282	1.282	0	%100
52	M48	Z	-0.74	-0.74	0	%100
53	M50A	X	0	0	0	%100
54	M50A	Z	0	0	0	%100
55	M51C	X	1.228	1.228	0	%100
56	M51C	Z	-0.709	-0.709	0	%100
57	M53	X	1.282	1.282	0	%100
58	M53	Z	-0.74	-0.74	0	%100
59	M58A	X	2.905	2.905	0	%100
60	M58A	Z	-1.677	-1.677	0	%100
61	M59A	X	0.787	0.787	0	%100
62	M59A	Z	-0.455	-0.455	0	%100
63	M60	X	0.787	0.787	0	%100
64	M60	Z	-0.455	-0.455	0	%100
65	M61	X	1.23	1.23	0	%100
66	M61	Z	-0.71	-0.71	0	%100
67	M64	X	0.906	0.906	0	%100
68	M64	Z	-0.523	-0.523	0	%100
69	M65	X	3.623	3.623	0	%100
70	M65	Z	-2.092	-2.092	0	%100
71	M69	X	3.63	3.63	0	%100
72	M69	Z	-2.096	-2.096	0	%100
73	M70	X	1.228	1.228	0	%100
74	M70	Z	-0.709	-0.709	0	%100
75	M72	X	1.282	1.282	0	%100
76	M72	Z	-0.74	-0.74	0	%100
77	M74	X	3.63	3.63	0	%100
78	M74	Z	-2.096	-2.096	0	%100
79	M75	X	4.913	4.913	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
80	M75	Z	-2.837	-2.837	0	%100
81	M77A	X	5.127	5.127	0	%100
82	M77A	Z	-2.96	-2.96	0	%100
83	M82	X	3.837	3.837	0	%100
84	M82	Z	-2.215	-2.215	0	%100
85	MP3C	X	3.426	3.426	0	%100
86	MP3C	Z	-1.978	-1.978	0	%100
87	MP4C	X	3.098	3.098	0	%100
88	MP4C	Z	-1.788	-1.788	0	%100
89	MP2C	X	3.426	3.426	0	%100
90	MP2C	Z	-1.978	-1.978	0	%100
91	M91A	X	0.959	0.959	0	%100
92	M91A	Z	-0.554	-0.554	0	%100
93	MP3B	X	3.426	3.426	0	%100
94	MP3B	Z	-1.978	-1.978	0	%100
95	MP4B	X	3.098	3.098	0	%100
96	MP4B	Z	-1.788	-1.788	0	%100
97	MP2B	X	3.426	3.426	0	%100
98	MP2B	Z	-1.978	-1.978	0	%100
99	M100	X	0.857	0.857	0	%100
100	M100	Z	-0.495	-0.495	0	%100
101	M105	X	3.426	3.426	0	%100
102	M105	Z	-1.978	-1.978	0	%100
103	M110	X	0.857	0.857	0	%100
104	M110	Z	-0.495	-0.495	0	%100
105	M124	X	4.021	4.021	0	%100
106	M124	Z	-2.322	-2.322	0	%100
107	M125	X	2.203	2.203	0	%100
108	M125	Z	-1.272	-1.272	0	%100
109	M126	X	4.021	4.021	0	%100
110	M126	Z	-2.322	-2.322	0	%100
111	M121	X	3.426	3.426	0	%100
112	M121	Z	-1.978	-1.978	0	%100
113	MP1C	X	3.426	3.426	0	%100
114	MP1C	Z	-1.978	-1.978	0	%100
115	M130	X	3.426	3.426	0	%100
116	M130	Z	-1.978	-1.978	0	%100
117	MP1B	X	3.426	3.426	0	%100
118	MP1B	Z	-1.978	-1.978	0	%100
119	M136	X	3.426	3.426	0	%100
120	M136	Z	-1.978	-1.978	0	%100
121	M135	X	3.667	3.667	0	%100
122	M135	Z	-2.117	-2.117	0	%100
123	M139	X	0.917	0.917	0	%100
124	M139	Z	-0.529	-0.529	0	%100
125	M140	X	0.917	0.917	0	%100
126	M140	Z	-0.529	-0.529	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	4.472	4.472	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
6	M10	Z	0	0	0	%100
7	MP3A	X	3.956	3.956	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	3.577	3.577	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	3.956	3.956	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	3.956	3.956	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	3.138	3.138	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	3.138	3.138	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	5.589	5.589	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	4.255	4.255	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	4.44	4.44	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	5.589	5.589	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	4.255	4.255	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	4.44	4.44	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	1.118	1.118	0	%100
36	M34	Z	0	0	0	%100
37	M35	X	2.727	2.727	0	%100
38	M35	Z	0	0	0	%100
39	M36	X	2.727	2.727	0	%100
40	M36	Z	0	0	0	%100
41	M37	X	4.261	4.261	0	%100
42	M37	Z	0	0	0	%100
43	M40	X	3.138	3.138	0	%100
44	M40	Z	0	0	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	0	0	0	%100
47	M45	X	1.397	1.397	0	%100
48	M45	Z	0	0	0	%100
49	M46A	X	4.255	4.255	0	%100
50	M46A	Z	0	0	0	%100
51	M48	X	4.44	4.44	0	%100
52	M48	Z	0	0	0	%100
53	M50A	X	1.397	1.397	0	%100
54	M50A	Z	0	0	0	%100
55	M51C	X	0	0	0	%100
56	M51C	Z	0	0	0	%100
57	M53	X	0	0	0	%100
58	M53	Z	0	0	0	%100
59	M58A	X	1.118	1.118	0	%100
60	M58A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
61	M59A	X	2.727	2.727	0	%100
62	M59A	Z	0	0	0	%100
63	M60	X	2.727	2.727	0	%100
64	M60	Z	0	0	0	%100
65	M61	X	4.261	4.261	0	%100
66	M61	Z	0	0	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	0	0	0	%100
69	M65	X	3.138	3.138	0	%100
70	M65	Z	0	0	0	%100
71	M69	X	1.397	1.397	0	%100
72	M69	Z	0	0	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	0	0	0	%100
75	M72	X	0	0	0	%100
76	M72	Z	0	0	0	%100
77	M74	X	1.397	1.397	0	%100
78	M74	Z	0	0	0	%100
79	M75	X	4.255	4.255	0	%100
80	M75	Z	0	0	0	%100
81	M77A	X	4.44	4.44	0	%100
82	M77A	Z	0	0	0	%100
83	M82	X	3.323	3.323	0	%100
84	M82	Z	0	0	0	%100
85	MP3C	X	3.956	3.956	0	%100
86	MP3C	Z	0	0	0	%100
87	MP4C	X	3.577	3.577	0	%100
88	MP4C	Z	0	0	0	%100
89	MP2C	X	3.956	3.956	0	%100
90	MP2C	Z	0	0	0	%100
91	M91A	X	3.323	3.323	0	%100
92	M91A	Z	0	0	0	%100
93	MP3B	X	3.956	3.956	0	%100
94	MP3B	Z	0	0	0	%100
95	MP4B	X	3.577	3.577	0	%100
96	MP4B	Z	0	0	0	%100
97	MP2B	X	3.956	3.956	0	%100
98	MP2B	Z	0	0	0	%100
99	M100	X	0	0	0	%100
100	M100	Z	0	0	0	%100
101	M105	X	2.967	2.967	0	%100
102	M105	Z	0	0	0	%100
103	M110	X	2.967	2.967	0	%100
104	M110	Z	0	0	0	%100
105	M124	X	5.343	5.343	0	%100
106	M124	Z	0	0	0	%100
107	M125	X	3.244	3.244	0	%100
108	M125	Z	0	0	0	%100
109	M126	X	3.244	3.244	0	%100
110	M126	Z	0	0	0	%100
111	M121	X	3.956	3.956	0	%100
112	M121	Z	0	0	0	%100
113	MP1C	X	3.956	3.956	0	%100
114	MP1C	Z	0	0	0	%100
115	M130	X	3.956	3.956	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
116	M130	Z	0	0	0	%100
117	MP1B	X	3.956	3.956	0	%100
118	MP1B	Z	0	0	0	%100
119	M136	X	3.956	3.956	0	%100
120	M136	Z	0	0	0	%100
121	M135	X	3.176	3.176	0	%100
122	M135	Z	0	0	0	%100
123	M139	X	0	0	0	%100
124	M139	Z	0	0	0	%100
125	M140	X	3.176	3.176	0	%100
126	M140	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M1	X	0.959	0.959	0	%100
2	M1	Z	0.554	0.554	0	%100
3	M4	X	2.905	2.905	0	%100
4	M4	Z	1.677	1.677	0	%100
5	M10	X	0.787	0.787	0	%100
6	M10	Z	0.455	0.455	0	%100
7	MP3A	X	3.426	3.426	0	%100
8	MP3A	Z	1.978	1.978	0	%100
9	MP4A	X	3.098	3.098	0	%100
10	MP4A	Z	1.788	1.788	0	%100
11	MP2A	X	3.426	3.426	0	%100
12	MP2A	Z	1.978	1.978	0	%100
13	MP1A	X	3.426	3.426	0	%100
14	MP1A	Z	1.978	1.978	0	%100
15	M43	X	0.787	0.787	0	%100
16	M43	Z	0.455	0.455	0	%100
17	M46	X	1.23	1.23	0	%100
18	M46	Z	0.71	0.71	0	%100
19	M51B	X	0.906	0.906	0	%100
20	M51B	Z	0.523	0.523	0	%100
21	M52B	X	3.623	3.623	0	%100
22	M52B	Z	2.092	2.092	0	%100
23	M76	X	3.63	3.63	0	%100
24	M76	Z	2.096	2.096	0	%100
25	M77	X	1.228	1.228	0	%100
26	M77	Z	0.709	0.709	0	%100
27	M80	X	1.282	1.282	0	%100
28	M80	Z	0.74	0.74	0	%100
29	M84	X	3.63	3.63	0	%100
30	M84	Z	2.096	2.096	0	%100
31	M85	X	4.913	4.913	0	%100
32	M85	Z	2.837	2.837	0	%100
33	M91	X	5.127	5.127	0	%100
34	M91	Z	2.96	2.96	0	%100
35	M34	X	2.905	2.905	0	%100
36	M34	Z	1.677	1.677	0	%100
37	M35	X	0.787	0.787	0	%100
38	M35	Z	0.455	0.455	0	%100
39	M36	X	0.787	0.787	0	%100
40	M36	Z	0.455	0.455	0	%100
41	M37	X	1.23	1.23	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
42	M37	Z	0.71	0.71	0	%100
43	M40	X	3.623	3.623	0	%100
44	M40	Z	2.092	2.092	0	%100
45	M41	X	0.906	0.906	0	%100
46	M41	Z	0.523	0.523	0	%100
47	M45	X	3.63	3.63	0	%100
48	M45	Z	2.096	2.096	0	%100
49	M46A	X	4.913	4.913	0	%100
50	M46A	Z	2.837	2.837	0	%100
51	M48	X	5.127	5.127	0	%100
52	M48	Z	2.96	2.96	0	%100
53	M50A	X	3.63	3.63	0	%100
54	M50A	Z	2.096	2.096	0	%100
55	M51C	X	1.228	1.228	0	%100
56	M51C	Z	0.709	0.709	0	%100
57	M53	X	1.282	1.282	0	%100
58	M53	Z	0.74	0.74	0	%100
59	M58A	X	0	0	0	%100
60	M58A	Z	0	0	0	%100
61	M59A	X	3.149	3.149	0	%100
62	M59A	Z	1.818	1.818	0	%100
63	M60	X	3.149	3.149	0	%100
64	M60	Z	1.818	1.818	0	%100
65	M61	X	4.92	4.92	0	%100
66	M61	Z	2.84	2.84	0	%100
67	M64	X	0.906	0.906	0	%100
68	M64	Z	0.523	0.523	0	%100
69	M65	X	0.906	0.906	0	%100
70	M65	Z	0.523	0.523	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	0	0	0	%100
73	M70	X	1.228	1.228	0	%100
74	M70	Z	0.709	0.709	0	%100
75	M72	X	1.282	1.282	0	%100
76	M72	Z	0.74	0.74	0	%100
77	M74	X	0	0	0	%100
78	M74	Z	0	0	0	%100
79	M75	X	1.228	1.228	0	%100
80	M75	Z	0.709	0.709	0	%100
81	M77A	X	1.282	1.282	0	%100
82	M77A	Z	0.74	0.74	0	%100
83	M82	X	0.959	0.959	0	%100
84	M82	Z	0.554	0.554	0	%100
85	MP3C	X	3.426	3.426	0	%100
86	MP3C	Z	1.978	1.978	0	%100
87	MP4C	X	3.098	3.098	0	%100
88	MP4C	Z	1.788	1.788	0	%100
89	MP2C	X	3.426	3.426	0	%100
90	MP2C	Z	1.978	1.978	0	%100
91	M91A	X	3.837	3.837	0	%100
92	M91A	Z	2.215	2.215	0	%100
93	MP3B	X	3.426	3.426	0	%100
94	MP3B	Z	1.978	1.978	0	%100
95	MP4B	X	3.098	3.098	0	%100
96	MP4B	Z	1.788	1.788	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
97	MP2B	X	3.426	3.426	0	%100
98	MP2B	Z	1.978	1.978	0	%100
99	M100	X	0.857	0.857	0	%100
100	M100	Z	0.495	0.495	0	%100
101	M105	X	0.857	0.857	0	%100
102	M105	Z	0.495	0.495	0	%100
103	M110	X	3.426	3.426	0	%100
104	M110	Z	1.978	1.978	0	%100
105	M124	X	4.021	4.021	0	%100
106	M124	Z	2.322	2.322	0	%100
107	M125	X	4.021	4.021	0	%100
108	M125	Z	2.322	2.322	0	%100
109	M126	X	2.203	2.203	0	%100
110	M126	Z	1.272	1.272	0	%100
111	M121	X	3.426	3.426	0	%100
112	M121	Z	1.978	1.978	0	%100
113	MP1C	X	3.426	3.426	0	%100
114	MP1C	Z	1.978	1.978	0	%100
115	M130	X	3.426	3.426	0	%100
116	M130	Z	1.978	1.978	0	%100
117	MP1B	X	3.426	3.426	0	%100
118	MP1B	Z	1.978	1.978	0	%100
119	M136	X	3.426	3.426	0	%100
120	M136	Z	1.978	1.978	0	%100
121	M135	X	0.917	0.917	0	%100
122	M135	Z	0.529	0.529	0	%100
123	M139	X	0.917	0.917	0	%100
124	M139	Z	0.529	0.529	0	%100
125	M140	X	3.667	3.667	0	%100
126	M140	Z	2.117	2.117	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M1	X	1.662	1.662	0	%100
2	M1	Z	2.878	2.878	0	%100
3	M4	X	0.559	0.559	0	%100
4	M4	Z	0.968	0.968	0	%100
5	M10	X	1.364	1.364	0	%100
6	M10	Z	2.362	2.362	0	%100
7	MP3A	X	1.978	1.978	0	%100
8	MP3A	Z	3.426	3.426	0	%100
9	MP4A	X	1.788	1.788	0	%100
10	MP4A	Z	3.098	3.098	0	%100
11	MP2A	X	1.978	1.978	0	%100
12	MP2A	Z	3.426	3.426	0	%100
13	MP1A	X	1.978	1.978	0	%100
14	MP1A	Z	3.426	3.426	0	%100
15	M43	X	1.364	1.364	0	%100
16	M43	Z	2.362	2.362	0	%100
17	M46	X	2.13	2.13	0	%100
18	M46	Z	3.69	3.69	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	1.569	1.569	0	%100
22	M52B	Z	2.717	2.717	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
23	M76	X	0.699	0.699	0	%100
24	M76	Z	1.21	1.21	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	0.699	0.699	0	%100
30	M84	Z	1.21	1.21	0	%100
31	M85	X	2.127	2.127	0	%100
32	M85	Z	3.685	3.685	0	%100
33	M91	X	2.22	2.22	0	%100
34	M91	Z	3.845	3.845	0	%100
35	M34	X	2.236	2.236	0	%100
36	M34	Z	3.873	3.873	0	%100
37	M35	X	0	0	0	%100
38	M35	Z	0	0	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	0	0	0	%100
41	M37	X	0	0	0	%100
42	M37	Z	0	0	0	%100
43	M40	X	1.569	1.569	0	%100
44	M40	Z	2.717	2.717	0	%100
45	M41	X	1.569	1.569	0	%100
46	M41	Z	2.717	2.717	0	%100
47	M45	X	2.794	2.794	0	%100
48	M45	Z	4.84	4.84	0	%100
49	M46A	X	2.127	2.127	0	%100
50	M46A	Z	3.685	3.685	0	%100
51	M48	X	2.22	2.22	0	%100
52	M48	Z	3.845	3.845	0	%100
53	M50A	X	2.794	2.794	0	%100
54	M50A	Z	4.84	4.84	0	%100
55	M51C	X	2.127	2.127	0	%100
56	M51C	Z	3.685	3.685	0	%100
57	M53	X	2.22	2.22	0	%100
58	M53	Z	3.845	3.845	0	%100
59	M58A	X	0.559	0.559	0	%100
60	M58A	Z	0.968	0.968	0	%100
61	M59A	X	1.364	1.364	0	%100
62	M59A	Z	2.362	2.362	0	%100
63	M60	X	1.364	1.364	0	%100
64	M60	Z	2.362	2.362	0	%100
65	M61	X	2.13	2.13	0	%100
66	M61	Z	3.69	3.69	0	%100
67	M64	X	1.569	1.569	0	%100
68	M64	Z	2.717	2.717	0	%100
69	M65	X	0	0	0	%100
70	M65	Z	0	0	0	%100
71	M69	X	0.699	0.699	0	%100
72	M69	Z	1.21	1.21	0	%100
73	M70	X	2.127	2.127	0	%100
74	M70	Z	3.685	3.685	0	%100
75	M72	X	2.22	2.22	0	%100
76	M72	Z	3.845	3.845	0	%100
77	M74	X	0.699	0.699	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
78	M74	Z	1.21	1.21	0	%100
79	M75	X	0	0	0	%100
80	M75	Z	0	0	0	%100
81	M77A	X	0	0	0	%100
82	M77A	Z	0	0	0	%100
83	M82	X	0	0	0	%100
84	M82	Z	0	0	0	%100
85	MP3C	X	1.978	1.978	0	%100
86	MP3C	Z	3.426	3.426	0	%100
87	MP4C	X	1.788	1.788	0	%100
88	MP4C	Z	3.098	3.098	0	%100
89	MP2C	X	1.978	1.978	0	%100
90	MP2C	Z	3.426	3.426	0	%100
91	M91A	X	1.662	1.662	0	%100
92	M91A	Z	2.878	2.878	0	%100
93	MP3B	X	1.978	1.978	0	%100
94	MP3B	Z	3.426	3.426	0	%100
95	MP4B	X	1.788	1.788	0	%100
96	MP4B	Z	3.098	3.098	0	%100
97	MP2B	X	1.978	1.978	0	%100
98	MP2B	Z	3.426	3.426	0	%100
99	M100	X	1.484	1.484	0	%100
100	M100	Z	2.57	2.57	0	%100
101	M105	X	0	0	0	%100
102	M105	Z	0	0	0	%100
103	M110	X	1.484	1.484	0	%100
104	M110	Z	2.57	2.57	0	%100
105	M124	X	1.622	1.622	0	%100
106	M124	Z	2.809	2.809	0	%100
107	M125	X	2.672	2.672	0	%100
108	M125	Z	4.627	4.627	0	%100
109	M126	X	1.622	1.622	0	%100
110	M126	Z	2.809	2.809	0	%100
111	M121	X	1.978	1.978	0	%100
112	M121	Z	3.426	3.426	0	%100
113	MP1C	X	1.978	1.978	0	%100
114	MP1C	Z	3.426	3.426	0	%100
115	M130	X	1.978	1.978	0	%100
116	M130	Z	3.426	3.426	0	%100
117	MP1B	X	1.978	1.978	0	%100
118	MP1B	Z	3.426	3.426	0	%100
119	M136	X	1.978	1.978	0	%100
120	M136	Z	3.426	3.426	0	%100
121	M135	X	0	0	0	%100
122	M135	Z	0	0	0	%100
123	M139	X	1.588	1.588	0	%100
124	M139	Z	2.75	2.75	0	%100
125	M140	X	1.588	1.588	0	%100
126	M140	Z	2.75	2.75	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M1	X	0	0	0	%100
2	M1	Z	4.431	4.431	0	%100
3	M4	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	3.637	3.637	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	3.956	3.956	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	3.577	3.577	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	3.956	3.956	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	3.956	3.956	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	3.637	3.637	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	5.681	5.681	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	1.046	1.046	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	1.046	1.046	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	1.418	1.418	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	1.48	1.48	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	1.418	1.418	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	1.48	1.48	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	3.354	3.354	0	%100
37	M35	X	0	0	0	%100
38	M35	Z	0.909	0.909	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	0.909	0.909	0	%100
41	M37	X	0	0	0	%100
42	M37	Z	1.42	1.42	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	1.046	1.046	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	4.184	4.184	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	4.192	4.192	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	1.418	1.418	0	%100
51	M48	X	0	0	0	%100
52	M48	Z	1.48	1.48	0	%100
53	M50A	X	0	0	0	%100
54	M50A	Z	4.192	4.192	0	%100
55	M51C	X	0	0	0	%100
56	M51C	Z	5.673	5.673	0	%100
57	M53	X	0	0	0	%100
58	M53	Z	5.92	5.92	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
59	M58A	X	0	0	0	%100
60	M58A	Z	3.354	3.354	0	%100
61	M59A	X	0	0	0	%100
62	M59A	Z	0.909	0.909	0	%100
63	M60	X	0	0	0	%100
64	M60	Z	0.909	0.909	0	%100
65	M61	X	0	0	0	%100
66	M61	Z	1.42	1.42	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	4.184	4.184	0	%100
69	M65	X	0	0	0	%100
70	M65	Z	1.046	1.046	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	4.192	4.192	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	5.673	5.673	0	%100
75	M72	X	0	0	0	%100
76	M72	Z	5.92	5.92	0	%100
77	M74	X	0	0	0	%100
78	M74	Z	4.192	4.192	0	%100
79	M75	X	0	0	0	%100
80	M75	Z	1.418	1.418	0	%100
81	M77A	X	0	0	0	%100
82	M77A	Z	1.48	1.48	0	%100
83	M82	X	0	0	0	%100
84	M82	Z	1.108	1.108	0	%100
85	MP3C	X	0	0	0	%100
86	MP3C	Z	3.956	3.956	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	3.577	3.577	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	3.956	3.956	0	%100
91	M91A	X	0	0	0	%100
92	M91A	Z	1.108	1.108	0	%100
93	MP3B	X	0	0	0	%100
94	MP3B	Z	3.956	3.956	0	%100
95	MP4B	X	0	0	0	%100
96	MP4B	Z	3.577	3.577	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	3.956	3.956	0	%100
99	M100	X	0	0	0	%100
100	M100	Z	3.956	3.956	0	%100
101	M105	X	0	0	0	%100
102	M105	Z	0.989	0.989	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	0.989	0.989	0	%100
105	M124	X	0	0	0	%100
106	M124	Z	2.544	2.544	0	%100
107	M125	X	0	0	0	%100
108	M125	Z	4.643	4.643	0	%100
109	M126	X	0	0	0	%100
110	M126	Z	4.643	4.643	0	%100
111	M121	X	0	0	0	%100
112	M121	Z	3.956	3.956	0	%100
113	MP1C	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
114	MP1C	Z	3.956	3.956	0	%100
115	M130	X	0	0	0	%100
116	M130	Z	3.956	3.956	0	%100
117	MP1B	X	0	0	0	%100
118	MP1B	Z	3.956	3.956	0	%100
119	M136	X	0	0	0	%100
120	M136	Z	3.956	3.956	0	%100
121	M135	X	0	0	0	%100
122	M135	Z	1.059	1.059	0	%100
123	M139	X	0	0	0	%100
124	M139	Z	4.234	4.234	0	%100
125	M140	X	0	0	0	%100
126	M140	Z	1.059	1.059	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M1	X	-1.662	-1.662	0	%100
2	M1	Z	2.878	2.878	0	%100
3	M4	X	-0.559	-0.559	0	%100
4	M4	Z	0.968	0.968	0	%100
5	M10	X	-1.364	-1.364	0	%100
6	M10	Z	2.362	2.362	0	%100
7	MP3A	X	-1.978	-1.978	0	%100
8	MP3A	Z	3.426	3.426	0	%100
9	MP4A	X	-1.788	-1.788	0	%100
10	MP4A	Z	3.098	3.098	0	%100
11	MP2A	X	-1.978	-1.978	0	%100
12	MP2A	Z	3.426	3.426	0	%100
13	MP1A	X	-1.978	-1.978	0	%100
14	MP1A	Z	3.426	3.426	0	%100
15	M43	X	-1.364	-1.364	0	%100
16	M43	Z	2.362	2.362	0	%100
17	M46	X	-2.13	-2.13	0	%100
18	M46	Z	3.69	3.69	0	%100
19	M51B	X	-1.569	-1.569	0	%100
20	M51B	Z	2.717	2.717	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-0.699	-0.699	0	%100
24	M76	Z	1.21	1.21	0	%100
25	M77	X	-2.127	-2.127	0	%100
26	M77	Z	3.685	3.685	0	%100
27	M80	X	-2.22	-2.22	0	%100
28	M80	Z	3.845	3.845	0	%100
29	M84	X	-0.699	-0.699	0	%100
30	M84	Z	1.21	1.21	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	-0.559	-0.559	0	%100
36	M34	Z	0.968	0.968	0	%100
37	M35	X	-1.364	-1.364	0	%100
38	M35	Z	2.362	2.362	0	%100
39	M36	X	-1.364	-1.364	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
40	M36	Z	2.362	2.362	0	%100
41	M37	X	-2.13	-2.13	0	%100
42	M37	Z	3.69	3.69	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	0	0	0	%100
45	M41	X	-1.569	-1.569	0	%100
46	M41	Z	2.717	2.717	0	%100
47	M45	X	-0.699	-0.699	0	%100
48	M45	Z	1.21	1.21	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	0	0	0	%100
51	M48	X	0	0	0	%100
52	M48	Z	0	0	0	%100
53	M50A	X	-0.699	-0.699	0	%100
54	M50A	Z	1.21	1.21	0	%100
55	M51C	X	-2.127	-2.127	0	%100
56	M51C	Z	3.685	3.685	0	%100
57	M53	X	-2.22	-2.22	0	%100
58	M53	Z	3.845	3.845	0	%100
59	M58A	X	-2.236	-2.236	0	%100
60	M58A	Z	3.873	3.873	0	%100
61	M59A	X	0	0	0	%100
62	M59A	Z	0	0	0	%100
63	M60	X	0	0	0	%100
64	M60	Z	0	0	0	%100
65	M61	X	0	0	0	%100
66	M61	Z	0	0	0	%100
67	M64	X	-1.569	-1.569	0	%100
68	M64	Z	2.717	2.717	0	%100
69	M65	X	-1.569	-1.569	0	%100
70	M65	Z	2.717	2.717	0	%100
71	M69	X	-2.794	-2.794	0	%100
72	M69	Z	4.84	4.84	0	%100
73	M70	X	-2.127	-2.127	0	%100
74	M70	Z	3.685	3.685	0	%100
75	M72	X	-2.22	-2.22	0	%100
76	M72	Z	3.845	3.845	0	%100
77	M74	X	-2.794	-2.794	0	%100
78	M74	Z	4.84	4.84	0	%100
79	M75	X	-2.127	-2.127	0	%100
80	M75	Z	3.685	3.685	0	%100
81	M77A	X	-2.22	-2.22	0	%100
82	M77A	Z	3.845	3.845	0	%100
83	M82	X	-1.662	-1.662	0	%100
84	M82	Z	2.878	2.878	0	%100
85	MP3C	X	-1.978	-1.978	0	%100
86	MP3C	Z	3.426	3.426	0	%100
87	MP4C	X	-1.788	-1.788	0	%100
88	MP4C	Z	3.098	3.098	0	%100
89	MP2C	X	-1.978	-1.978	0	%100
90	MP2C	Z	3.426	3.426	0	%100
91	M91A	X	0	0	0	%100
92	M91A	Z	0	0	0	%100
93	MP3B	X	-1.978	-1.978	0	%100
94	MP3B	Z	3.426	3.426	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
95	MP4B	X	-1.788	-1.788	0	%100
96	MP4B	Z	3.098	3.098	0	%100
97	MP2B	X	-1.978	-1.978	0	%100
98	MP2B	Z	3.426	3.426	0	%100
99	M100	X	-1.484	-1.484	0	%100
100	M100	Z	2.57	2.57	0	%100
101	M105	X	-1.484	-1.484	0	%100
102	M105	Z	2.57	2.57	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	0	0	0	%100
105	M124	X	-1.622	-1.622	0	%100
106	M124	Z	2.809	2.809	0	%100
107	M125	X	-1.622	-1.622	0	%100
108	M125	Z	2.809	2.809	0	%100
109	M126	X	-2.672	-2.672	0	%100
110	M126	Z	4.627	4.627	0	%100
111	M121	X	-1.978	-1.978	0	%100
112	M121	Z	3.426	3.426	0	%100
113	MP1C	X	-1.978	-1.978	0	%100
114	MP1C	Z	3.426	3.426	0	%100
115	M130	X	-1.978	-1.978	0	%100
116	M130	Z	3.426	3.426	0	%100
117	MP1B	X	-1.978	-1.978	0	%100
118	MP1B	Z	3.426	3.426	0	%100
119	M136	X	-1.978	-1.978	0	%100
120	M136	Z	3.426	3.426	0	%100
121	M135	X	-1.588	-1.588	0	%100
122	M135	Z	2.75	2.75	0	%100
123	M139	X	-1.588	-1.588	0	%100
124	M139	Z	2.75	2.75	0	%100
125	M140	X	0	0	0	%100
126	M140	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M1	X	-0.959	-0.959	0	%100
2	M1	Z	0.554	0.554	0	%100
3	M4	X	-2.905	-2.905	0	%100
4	M4	Z	1.677	1.677	0	%100
5	M10	X	-0.787	-0.787	0	%100
6	M10	Z	0.455	0.455	0	%100
7	MP3A	X	-3.426	-3.426	0	%100
8	MP3A	Z	1.978	1.978	0	%100
9	MP4A	X	-3.098	-3.098	0	%100
10	MP4A	Z	1.788	1.788	0	%100
11	MP2A	X	-3.426	-3.426	0	%100
12	MP2A	Z	1.978	1.978	0	%100
13	MP1A	X	-3.426	-3.426	0	%100
14	MP1A	Z	1.978	1.978	0	%100
15	M43	X	-0.787	-0.787	0	%100
16	M43	Z	0.455	0.455	0	%100
17	M46	X	-1.23	-1.23	0	%100
18	M46	Z	0.71	0.71	0	%100
19	M51B	X	-3.623	-3.623	0	%100
20	M51B	Z	2.092	2.092	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
21	M52B	X	-0.906	-0.906	0	%100
22	M52B	Z	0.523	0.523	0	%100
23	M76	X	-3.63	-3.63	0	%100
24	M76	Z	2.096	2.096	0	%100
25	M77	X	-4.913	-4.913	0	%100
26	M77	Z	2.837	2.837	0	%100
27	M80	X	-5.127	-5.127	0	%100
28	M80	Z	2.96	2.96	0	%100
29	M84	X	-3.63	-3.63	0	%100
30	M84	Z	2.096	2.096	0	%100
31	M85	X	-1.228	-1.228	0	%100
32	M85	Z	0.709	0.709	0	%100
33	M91	X	-1.282	-1.282	0	%100
34	M91	Z	0.74	0.74	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	0	0	0	%100
37	M35	X	-3.149	-3.149	0	%100
38	M35	Z	1.818	1.818	0	%100
39	M36	X	-3.149	-3.149	0	%100
40	M36	Z	1.818	1.818	0	%100
41	M37	X	-4.92	-4.92	0	%100
42	M37	Z	2.84	2.84	0	%100
43	M40	X	-0.906	-0.906	0	%100
44	M40	Z	0.523	0.523	0	%100
45	M41	X	-0.906	-0.906	0	%100
46	M41	Z	0.523	0.523	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	0	0	0	%100
49	M46A	X	-1.228	-1.228	0	%100
50	M46A	Z	0.709	0.709	0	%100
51	M48	X	-1.282	-1.282	0	%100
52	M48	Z	0.74	0.74	0	%100
53	M50A	X	0	0	0	%100
54	M50A	Z	0	0	0	%100
55	M51C	X	-1.228	-1.228	0	%100
56	M51C	Z	0.709	0.709	0	%100
57	M53	X	-1.282	-1.282	0	%100
58	M53	Z	0.74	0.74	0	%100
59	M58A	X	-2.905	-2.905	0	%100
60	M58A	Z	1.677	1.677	0	%100
61	M59A	X	-0.787	-0.787	0	%100
62	M59A	Z	0.455	0.455	0	%100
63	M60	X	-0.787	-0.787	0	%100
64	M60	Z	0.455	0.455	0	%100
65	M61	X	-1.23	-1.23	0	%100
66	M61	Z	0.71	0.71	0	%100
67	M64	X	-0.906	-0.906	0	%100
68	M64	Z	0.523	0.523	0	%100
69	M65	X	-3.623	-3.623	0	%100
70	M65	Z	2.092	2.092	0	%100
71	M69	X	-3.63	-3.63	0	%100
72	M69	Z	2.096	2.096	0	%100
73	M70	X	-1.228	-1.228	0	%100
74	M70	Z	0.709	0.709	0	%100
75	M72	X	-1.282	-1.282	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
76	M72	Z	0.74	0.74	0	%100
77	M74	X	-3.63	-3.63	0	%100
78	M74	Z	2.096	2.096	0	%100
79	M75	X	-4.913	-4.913	0	%100
80	M75	Z	2.837	2.837	0	%100
81	M77A	X	-5.127	-5.127	0	%100
82	M77A	Z	2.96	2.96	0	%100
83	M82	X	-3.837	-3.837	0	%100
84	M82	Z	2.215	2.215	0	%100
85	MP3C	X	-3.426	-3.426	0	%100
86	MP3C	Z	1.978	1.978	0	%100
87	MP4C	X	-3.098	-3.098	0	%100
88	MP4C	Z	1.788	1.788	0	%100
89	MP2C	X	-3.426	-3.426	0	%100
90	MP2C	Z	1.978	1.978	0	%100
91	M91A	X	-0.959	-0.959	0	%100
92	M91A	Z	0.554	0.554	0	%100
93	MP3B	X	-3.426	-3.426	0	%100
94	MP3B	Z	1.978	1.978	0	%100
95	MP4B	X	-3.098	-3.098	0	%100
96	MP4B	Z	1.788	1.788	0	%100
97	MP2B	X	-3.426	-3.426	0	%100
98	MP2B	Z	1.978	1.978	0	%100
99	M100	X	-0.857	-0.857	0	%100
100	M100	Z	0.495	0.495	0	%100
101	M105	X	-3.426	-3.426	0	%100
102	M105	Z	1.978	1.978	0	%100
103	M110	X	-0.857	-0.857	0	%100
104	M110	Z	0.495	0.495	0	%100
105	M124	X	-4.021	-4.021	0	%100
106	M124	Z	2.322	2.322	0	%100
107	M125	X	-2.203	-2.203	0	%100
108	M125	Z	1.272	1.272	0	%100
109	M126	X	-4.021	-4.021	0	%100
110	M126	Z	2.322	2.322	0	%100
111	M121	X	-3.426	-3.426	0	%100
112	M121	Z	1.978	1.978	0	%100
113	MP1C	X	-3.426	-3.426	0	%100
114	MP1C	Z	1.978	1.978	0	%100
115	M130	X	-3.426	-3.426	0	%100
116	M130	Z	1.978	1.978	0	%100
117	MP1B	X	-3.426	-3.426	0	%100
118	MP1B	Z	1.978	1.978	0	%100
119	M136	X	-3.426	-3.426	0	%100
120	M136	Z	1.978	1.978	0	%100
121	M135	X	-3.667	-3.667	0	%100
122	M135	Z	2.117	2.117	0	%100
123	M139	X	-0.917	-0.917	0	%100
124	M139	Z	0.529	0.529	0	%100
125	M140	X	-0.917	-0.917	0	%100
126	M140	Z	0.529	0.529	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-4.472	-4.472	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	-3.956	-3.956	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	-3.577	-3.577	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	-3.956	-3.956	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-3.956	-3.956	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	-3.138	-3.138	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-3.138	-3.138	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-5.589	-5.589	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	-4.255	-4.255	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	-4.44	-4.44	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-5.589	-5.589	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	-4.255	-4.255	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	-4.44	-4.44	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	-1.118	-1.118	0	%100
36	M34	Z	0	0	0	%100
37	M35	X	-2.727	-2.727	0	%100
38	M35	Z	0	0	0	%100
39	M36	X	-2.727	-2.727	0	%100
40	M36	Z	0	0	0	%100
41	M37	X	-4.261	-4.261	0	%100
42	M37	Z	0	0	0	%100
43	M40	X	-3.138	-3.138	0	%100
44	M40	Z	0	0	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	0	0	0	%100
47	M45	X	-1.397	-1.397	0	%100
48	M45	Z	0	0	0	%100
49	M46A	X	-4.255	-4.255	0	%100
50	M46A	Z	0	0	0	%100
51	M48	X	-4.44	-4.44	0	%100
52	M48	Z	0	0	0	%100
53	M50A	X	-1.397	-1.397	0	%100
54	M50A	Z	0	0	0	%100
55	M51C	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
56	M51C	Z	0	0	0	%100
57	M53	X	0	0	0	%100
58	M53	Z	0	0	0	%100
59	M58A	X	-1.118	-1.118	0	%100
60	M58A	Z	0	0	0	%100
61	M59A	X	-2.727	-2.727	0	%100
62	M59A	Z	0	0	0	%100
63	M60	X	-2.727	-2.727	0	%100
64	M60	Z	0	0	0	%100
65	M61	X	-4.261	-4.261	0	%100
66	M61	Z	0	0	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	0	0	0	%100
69	M65	X	-3.138	-3.138	0	%100
70	M65	Z	0	0	0	%100
71	M69	X	-1.397	-1.397	0	%100
72	M69	Z	0	0	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	0	0	0	%100
75	M72	X	0	0	0	%100
76	M72	Z	0	0	0	%100
77	M74	X	-1.397	-1.397	0	%100
78	M74	Z	0	0	0	%100
79	M75	X	-4.255	-4.255	0	%100
80	M75	Z	0	0	0	%100
81	M77A	X	-4.44	-4.44	0	%100
82	M77A	Z	0	0	0	%100
83	M82	X	-3.323	-3.323	0	%100
84	M82	Z	0	0	0	%100
85	MP3C	X	-3.956	-3.956	0	%100
86	MP3C	Z	0	0	0	%100
87	MP4C	X	-3.577	-3.577	0	%100
88	MP4C	Z	0	0	0	%100
89	MP2C	X	-3.956	-3.956	0	%100
90	MP2C	Z	0	0	0	%100
91	M91A	X	-3.323	-3.323	0	%100
92	M91A	Z	0	0	0	%100
93	MP3B	X	-3.956	-3.956	0	%100
94	MP3B	Z	0	0	0	%100
95	MP4B	X	-3.577	-3.577	0	%100
96	MP4B	Z	0	0	0	%100
97	MP2B	X	-3.956	-3.956	0	%100
98	MP2B	Z	0	0	0	%100
99	M100	X	0	0	0	%100
100	M100	Z	0	0	0	%100
101	M105	X	-2.967	-2.967	0	%100
102	M105	Z	0	0	0	%100
103	M110	X	-2.967	-2.967	0	%100
104	M110	Z	0	0	0	%100
105	M124	X	-5.343	-5.343	0	%100
106	M124	Z	0	0	0	%100
107	M125	X	-3.244	-3.244	0	%100
108	M125	Z	0	0	0	%100
109	M126	X	-3.244	-3.244	0	%100
110	M126	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
111	M121	X	-3.956	-3.956	0	%100
112	M121	Z	0	0	0	%100
113	MP1C	X	-3.956	-3.956	0	%100
114	MP1C	Z	0	0	0	%100
115	M130	X	-3.956	-3.956	0	%100
116	M130	Z	0	0	0	%100
117	MP1B	X	-3.956	-3.956	0	%100
118	MP1B	Z	0	0	0	%100
119	M136	X	-3.956	-3.956	0	%100
120	M136	Z	0	0	0	%100
121	M135	X	-3.176	-3.176	0	%100
122	M135	Z	0	0	0	%100
123	M139	X	0	0	0	%100
124	M139	Z	0	0	0	%100
125	M140	X	-3.176	-3.176	0	%100
126	M140	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M1	X	-0.959	-0.959	0	%100
2	M1	Z	-0.554	-0.554	0	%100
3	M4	X	-2.905	-2.905	0	%100
4	M4	Z	-1.677	-1.677	0	%100
5	M10	X	-0.787	-0.787	0	%100
6	M10	Z	-0.455	-0.455	0	%100
7	MP3A	X	-3.426	-3.426	0	%100
8	MP3A	Z	-1.978	-1.978	0	%100
9	MP4A	X	-3.098	-3.098	0	%100
10	MP4A	Z	-1.788	-1.788	0	%100
11	MP2A	X	-3.426	-3.426	0	%100
12	MP2A	Z	-1.978	-1.978	0	%100
13	MP1A	X	-3.426	-3.426	0	%100
14	MP1A	Z	-1.978	-1.978	0	%100
15	M43	X	-0.787	-0.787	0	%100
16	M43	Z	-0.455	-0.455	0	%100
17	M46	X	-1.23	-1.23	0	%100
18	M46	Z	-0.71	-0.71	0	%100
19	M51B	X	-0.906	-0.906	0	%100
20	M51B	Z	-0.523	-0.523	0	%100
21	M52B	X	-3.623	-3.623	0	%100
22	M52B	Z	-2.092	-2.092	0	%100
23	M76	X	-3.63	-3.63	0	%100
24	M76	Z	-2.096	-2.096	0	%100
25	M77	X	-1.228	-1.228	0	%100
26	M77	Z	-0.709	-0.709	0	%100
27	M80	X	-1.282	-1.282	0	%100
28	M80	Z	-0.74	-0.74	0	%100
29	M84	X	-3.63	-3.63	0	%100
30	M84	Z	-2.096	-2.096	0	%100
31	M85	X	-4.913	-4.913	0	%100
32	M85	Z	-2.837	-2.837	0	%100
33	M91	X	-5.127	-5.127	0	%100
34	M91	Z	-2.96	-2.96	0	%100
35	M34	X	-2.905	-2.905	0	%100
36	M34	Z	-1.677	-1.677	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
37	M35	X	-0.787	-0.787	0	%100
38	M35	Z	-0.455	-0.455	0	%100
39	M36	X	-0.787	-0.787	0	%100
40	M36	Z	-0.455	-0.455	0	%100
41	M37	X	-1.23	-1.23	0	%100
42	M37	Z	-0.71	-0.71	0	%100
43	M40	X	-3.623	-3.623	0	%100
44	M40	Z	-2.092	-2.092	0	%100
45	M41	X	-0.906	-0.906	0	%100
46	M41	Z	-0.523	-0.523	0	%100
47	M45	X	-3.63	-3.63	0	%100
48	M45	Z	-2.096	-2.096	0	%100
49	M46A	X	-4.913	-4.913	0	%100
50	M46A	Z	-2.837	-2.837	0	%100
51	M48	X	-5.127	-5.127	0	%100
52	M48	Z	-2.96	-2.96	0	%100
53	M50A	X	-3.63	-3.63	0	%100
54	M50A	Z	-2.096	-2.096	0	%100
55	M51C	X	-1.228	-1.228	0	%100
56	M51C	Z	-0.709	-0.709	0	%100
57	M53	X	-1.282	-1.282	0	%100
58	M53	Z	-0.74	-0.74	0	%100
59	M58A	X	0	0	0	%100
60	M58A	Z	0	0	0	%100
61	M59A	X	-3.149	-3.149	0	%100
62	M59A	Z	-1.818	-1.818	0	%100
63	M60	X	-3.149	-3.149	0	%100
64	M60	Z	-1.818	-1.818	0	%100
65	M61	X	-4.92	-4.92	0	%100
66	M61	Z	-2.84	-2.84	0	%100
67	M64	X	-0.906	-0.906	0	%100
68	M64	Z	-0.523	-0.523	0	%100
69	M65	X	-0.906	-0.906	0	%100
70	M65	Z	-0.523	-0.523	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	0	0	0	%100
73	M70	X	-1.228	-1.228	0	%100
74	M70	Z	-0.709	-0.709	0	%100
75	M72	X	-1.282	-1.282	0	%100
76	M72	Z	-0.74	-0.74	0	%100
77	M74	X	0	0	0	%100
78	M74	Z	0	0	0	%100
79	M75	X	-1.228	-1.228	0	%100
80	M75	Z	-0.709	-0.709	0	%100
81	M77A	X	-1.282	-1.282	0	%100
82	M77A	Z	-0.74	-0.74	0	%100
83	M82	X	-0.959	-0.959	0	%100
84	M82	Z	-0.554	-0.554	0	%100
85	MP3C	X	-3.426	-3.426	0	%100
86	MP3C	Z	-1.978	-1.978	0	%100
87	MP4C	X	-3.098	-3.098	0	%100
88	MP4C	Z	-1.788	-1.788	0	%100
89	MP2C	X	-3.426	-3.426	0	%100
90	MP2C	Z	-1.978	-1.978	0	%100
91	M91A	X	-3.837	-3.837	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
92	M91A	Z	-2.215	-2.215	0	%100
93	MP3B	X	-3.426	-3.426	0	%100
94	MP3B	Z	-1.978	-1.978	0	%100
95	MP4B	X	-3.098	-3.098	0	%100
96	MP4B	Z	-1.788	-1.788	0	%100
97	MP2B	X	-3.426	-3.426	0	%100
98	MP2B	Z	-1.978	-1.978	0	%100
99	M100	X	-0.857	-0.857	0	%100
100	M100	Z	-0.495	-0.495	0	%100
101	M105	X	-0.857	-0.857	0	%100
102	M105	Z	-0.495	-0.495	0	%100
103	M110	X	-3.426	-3.426	0	%100
104	M110	Z	-1.978	-1.978	0	%100
105	M124	X	-4.021	-4.021	0	%100
106	M124	Z	-2.322	-2.322	0	%100
107	M125	X	-4.021	-4.021	0	%100
108	M125	Z	-2.322	-2.322	0	%100
109	M126	X	-2.203	-2.203	0	%100
110	M126	Z	-1.272	-1.272	0	%100
111	M121	X	-3.426	-3.426	0	%100
112	M121	Z	-1.978	-1.978	0	%100
113	MP1C	X	-3.426	-3.426	0	%100
114	MP1C	Z	-1.978	-1.978	0	%100
115	M130	X	-3.426	-3.426	0	%100
116	M130	Z	-1.978	-1.978	0	%100
117	MP1B	X	-3.426	-3.426	0	%100
118	MP1B	Z	-1.978	-1.978	0	%100
119	M136	X	-3.426	-3.426	0	%100
120	M136	Z	-1.978	-1.978	0	%100
121	M135	X	-0.917	-0.917	0	%100
122	M135	Z	-0.529	-0.529	0	%100
123	M139	X	-0.917	-0.917	0	%100
124	M139	Z	-0.529	-0.529	0	%100
125	M140	X	-3.667	-3.667	0	%100
126	M140	Z	-2.117	-2.117	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M1	X	-1.662	-1.662	0	%100
2	M1	Z	-2.878	-2.878	0	%100
3	M4	X	-0.559	-0.559	0	%100
4	M4	Z	-0.968	-0.968	0	%100
5	M10	X	-1.364	-1.364	0	%100
6	M10	Z	-2.362	-2.362	0	%100
7	MP3A	X	-1.978	-1.978	0	%100
8	MP3A	Z	-3.426	-3.426	0	%100
9	MP4A	X	-1.788	-1.788	0	%100
10	MP4A	Z	-3.098	-3.098	0	%100
11	MP2A	X	-1.978	-1.978	0	%100
12	MP2A	Z	-3.426	-3.426	0	%100
13	MP1A	X	-1.978	-1.978	0	%100
14	MP1A	Z	-3.426	-3.426	0	%100
15	M43	X	-1.364	-1.364	0	%100
16	M43	Z	-2.362	-2.362	0	%100
17	M46	X	-2.13	-2.13	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
18	M46	Z	-3.69	-3.69	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-1.569	-1.569	0	%100
22	M52B	Z	-2.717	-2.717	0	%100
23	M76	X	-0.699	-0.699	0	%100
24	M76	Z	-1.21	-1.21	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-0.699	-0.699	0	%100
30	M84	Z	-1.21	-1.21	0	%100
31	M85	X	-2.127	-2.127	0	%100
32	M85	Z	-3.685	-3.685	0	%100
33	M91	X	-2.22	-2.22	0	%100
34	M91	Z	-3.845	-3.845	0	%100
35	M34	X	-2.236	-2.236	0	%100
36	M34	Z	-3.873	-3.873	0	%100
37	M35	X	0	0	0	%100
38	M35	Z	0	0	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	0	0	0	%100
41	M37	X	0	0	0	%100
42	M37	Z	0	0	0	%100
43	M40	X	-1.569	-1.569	0	%100
44	M40	Z	-2.717	-2.717	0	%100
45	M41	X	-1.569	-1.569	0	%100
46	M41	Z	-2.717	-2.717	0	%100
47	M45	X	-2.794	-2.794	0	%100
48	M45	Z	-4.84	-4.84	0	%100
49	M46A	X	-2.127	-2.127	0	%100
50	M46A	Z	-3.685	-3.685	0	%100
51	M48	X	-2.22	-2.22	0	%100
52	M48	Z	-3.845	-3.845	0	%100
53	M50A	X	-2.794	-2.794	0	%100
54	M50A	Z	-4.84	-4.84	0	%100
55	M51C	X	-2.127	-2.127	0	%100
56	M51C	Z	-3.685	-3.685	0	%100
57	M53	X	-2.22	-2.22	0	%100
58	M53	Z	-3.845	-3.845	0	%100
59	M58A	X	-0.559	-0.559	0	%100
60	M58A	Z	-0.968	-0.968	0	%100
61	M59A	X	-1.364	-1.364	0	%100
62	M59A	Z	-2.362	-2.362	0	%100
63	M60	X	-1.364	-1.364	0	%100
64	M60	Z	-2.362	-2.362	0	%100
65	M61	X	-2.13	-2.13	0	%100
66	M61	Z	-3.69	-3.69	0	%100
67	M64	X	-1.569	-1.569	0	%100
68	M64	Z	-2.717	-2.717	0	%100
69	M65	X	0	0	0	%100
70	M65	Z	0	0	0	%100
71	M69	X	-0.699	-0.699	0	%100
72	M69	Z	-1.21	-1.21	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
73	M70	X	-2.127	-2.127	0	%100
74	M70	Z	-3.685	-3.685	0	%100
75	M72	X	-2.22	-2.22	0	%100
76	M72	Z	-3.845	-3.845	0	%100
77	M74	X	-0.699	-0.699	0	%100
78	M74	Z	-1.21	-1.21	0	%100
79	M75	X	0	0	0	%100
80	M75	Z	0	0	0	%100
81	M77A	X	0	0	0	%100
82	M77A	Z	0	0	0	%100
83	M82	X	0	0	0	%100
84	M82	Z	0	0	0	%100
85	MP3C	X	-1.978	-1.978	0	%100
86	MP3C	Z	-3.426	-3.426	0	%100
87	MP4C	X	-1.788	-1.788	0	%100
88	MP4C	Z	-3.098	-3.098	0	%100
89	MP2C	X	-1.978	-1.978	0	%100
90	MP2C	Z	-3.426	-3.426	0	%100
91	M91A	X	-1.662	-1.662	0	%100
92	M91A	Z	-2.878	-2.878	0	%100
93	MP3B	X	-1.978	-1.978	0	%100
94	MP3B	Z	-3.426	-3.426	0	%100
95	MP4B	X	-1.788	-1.788	0	%100
96	MP4B	Z	-3.098	-3.098	0	%100
97	MP2B	X	-1.978	-1.978	0	%100
98	MP2B	Z	-3.426	-3.426	0	%100
99	M100	X	-1.484	-1.484	0	%100
100	M100	Z	-2.57	-2.57	0	%100
101	M105	X	0	0	0	%100
102	M105	Z	0	0	0	%100
103	M110	X	-1.484	-1.484	0	%100
104	M110	Z	-2.57	-2.57	0	%100
105	M124	X	-1.622	-1.622	0	%100
106	M124	Z	-2.809	-2.809	0	%100
107	M125	X	-2.672	-2.672	0	%100
108	M125	Z	-4.627	-4.627	0	%100
109	M126	X	-1.622	-1.622	0	%100
110	M126	Z	-2.809	-2.809	0	%100
111	M121	X	-1.978	-1.978	0	%100
112	M121	Z	-3.426	-3.426	0	%100
113	MP1C	X	-1.978	-1.978	0	%100
114	MP1C	Z	-3.426	-3.426	0	%100
115	M130	X	-1.978	-1.978	0	%100
116	M130	Z	-3.426	-3.426	0	%100
117	MP1B	X	-1.978	-1.978	0	%100
118	MP1B	Z	-3.426	-3.426	0	%100
119	M136	X	-1.978	-1.978	0	%100
120	M136	Z	-3.426	-3.426	0	%100
121	M135	X	0	0	0	%100
122	M135	Z	0	0	0	%100
123	M139	X	-1.588	-1.588	0	%100
124	M139	Z	-2.75	-2.75	0	%100
125	M140	X	-1.588	-1.588	0	%100
126	M140	Z	-2.75	-2.75	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M1	X	0	0	0	%100
2	M1	Z	-0.835	-0.835	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	-0.822	-0.822	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-0.786	-0.786	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	-0.649	-0.649	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-0.786	-0.786	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-0.786	-0.786	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	-0.822	-0.822	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	-1.639	-1.639	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	-0.228	-0.228	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	-0.228	-0.228	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	-0.417	-0.417	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	-0.44	-0.44	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	-0.417	-0.417	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	-0.44	-0.44	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	-0.729	-0.729	0	%100
37	M35	X	0	0	0	%100
38	M35	Z	-0.205	-0.205	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	-0.205	-0.205	0	%100
41	M37	X	0	0	0	%100
42	M37	Z	-0.41	-0.41	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	-0.228	-0.228	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	-0.91	-0.91	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	-1.23	-1.23	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	-0.417	-0.417	0	%100
51	M48	X	0	0	0	%100
52	M48	Z	-0.44	-0.44	0	%100
53	M50A	X	0	0	0	%100
54	M50A	Z	-1.23	-1.23	0	%100
55	M51C	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
56	M51C	Z	-1.67	-1.67	0	%100
57	M53	X	0	0	0	%100
58	M53	Z	-1.759	-1.759	0	%100
59	M58A	X	0	0	0	%100
60	M58A	Z	-0.729	-0.729	0	%100
61	M59A	X	0	0	0	%100
62	M59A	Z	-0.205	-0.205	0	%100
63	M60	X	0	0	0	%100
64	M60	Z	-0.205	-0.205	0	%100
65	M61	X	0	0	0	%100
66	M61	Z	-0.41	-0.41	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	-0.91	-0.91	0	%100
69	M65	X	0	0	0	%100
70	M65	Z	-0.228	-0.228	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	-1.23	-1.23	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	-1.67	-1.67	0	%100
75	M72	X	0	0	0	%100
76	M72	Z	-1.759	-1.759	0	%100
77	M74	X	0	0	0	%100
78	M74	Z	-1.23	-1.23	0	%100
79	M75	X	0	0	0	%100
80	M75	Z	-0.417	-0.417	0	%100
81	M77A	X	0	0	0	%100
82	M77A	Z	-0.44	-0.44	0	%100
83	M82	X	0	0	0	%100
84	M82	Z	-0.209	-0.209	0	%100
85	MP3C	X	0	0	0	%100
86	MP3C	Z	-0.786	-0.786	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	-0.649	-0.649	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	-0.786	-0.786	0	%100
91	M91A	X	0	0	0	%100
92	M91A	Z	-0.209	-0.209	0	%100
93	MP3B	X	0	0	0	%100
94	MP3B	Z	-0.786	-0.786	0	%100
95	MP4B	X	0	0	0	%100
96	MP4B	Z	-0.649	-0.649	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	-0.786	-0.786	0	%100
99	M100	X	0	0	0	%100
100	M100	Z	-0.786	-0.786	0	%100
101	M105	X	0	0	0	%100
102	M105	Z	-0.196	-0.196	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	-0.196	-0.196	0	%100
105	M124	X	0	0	0	%100
106	M124	Z	-0.716	-0.716	0	%100
107	M125	X	0	0	0	%100
108	M125	Z	-1.142	-1.142	0	%100
109	M126	X	0	0	0	%100
110	M126	Z	-1.142	-1.142	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
111	M121	X	0	0	0	%100
112	M121	Z	-0.786	-0.786	0	%100
113	MP1C	X	0	0	0	%100
114	MP1C	Z	-0.786	-0.786	0	%100
115	M130	X	0	0	0	%100
116	M130	Z	-0.786	-0.786	0	%100
117	MP1B	X	0	0	0	%100
118	MP1B	Z	-0.786	-0.786	0	%100
119	M136	X	0	0	0	%100
120	M136	Z	-0.786	-0.786	0	%100
121	M135	X	0	0	0	%100
122	M135	Z	-0.257	-0.257	0	%100
123	M139	X	0	0	0	%100
124	M139	Z	-1.028	-1.028	0	%100
125	M140	X	0	0	0	%100
126	M140	Z	-0.257	-0.257	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M1	X	0.313	0.313	0	%100
2	M1	Z	-0.542	-0.542	0	%100
3	M4	X	0.121	0.121	0	%100
4	M4	Z	-0.21	-0.21	0	%100
5	M10	X	0.308	0.308	0	%100
6	M10	Z	-0.534	-0.534	0	%100
7	MP3A	X	0.393	0.393	0	%100
8	MP3A	Z	-0.68	-0.68	0	%100
9	MP4A	X	0.324	0.324	0	%100
10	MP4A	Z	-0.562	-0.562	0	%100
11	MP2A	X	0.393	0.393	0	%100
12	MP2A	Z	-0.68	-0.68	0	%100
13	MP1A	X	0.393	0.393	0	%100
14	MP1A	Z	-0.68	-0.68	0	%100
15	M43	X	0.308	0.308	0	%100
16	M43	Z	-0.534	-0.534	0	%100
17	M46	X	0.615	0.615	0	%100
18	M46	Z	-1.065	-1.065	0	%100
19	M51B	X	0.341	0.341	0	%100
20	M51B	Z	-0.591	-0.591	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	0.205	0.205	0	%100
24	M76	Z	-0.355	-0.355	0	%100
25	M77	X	0.626	0.626	0	%100
26	M77	Z	-1.085	-1.085	0	%100
27	M80	X	0.66	0.66	0	%100
28	M80	Z	-1.142	-1.142	0	%100
29	M84	X	0.205	0.205	0	%100
30	M84	Z	-0.355	-0.355	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	0.121	0.121	0	%100
36	M34	Z	-0.21	-0.21	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
37	M35	X	0.308	0.308	0	%100
38	M35	Z	-0.534	-0.534	0	%100
39	M36	X	0.308	0.308	0	%100
40	M36	Z	-0.534	-0.534	0	%100
41	M37	X	0.615	0.615	0	%100
42	M37	Z	-1.065	-1.065	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	0	0	0	%100
45	M41	X	0.341	0.341	0	%100
46	M41	Z	-0.591	-0.591	0	%100
47	M45	X	0.205	0.205	0	%100
48	M45	Z	-0.355	-0.355	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	0	0	0	%100
51	M48	X	0	0	0	%100
52	M48	Z	0	0	0	%100
53	M50A	X	0.205	0.205	0	%100
54	M50A	Z	-0.355	-0.355	0	%100
55	M51C	X	0.626	0.626	0	%100
56	M51C	Z	-1.085	-1.085	0	%100
57	M53	X	0.66	0.66	0	%100
58	M53	Z	-1.142	-1.142	0	%100
59	M58A	X	0.486	0.486	0	%100
60	M58A	Z	-0.841	-0.841	0	%100
61	M59A	X	0	0	0	%100
62	M59A	Z	0	0	0	%100
63	M60	X	0	0	0	%100
64	M60	Z	0	0	0	%100
65	M61	X	0	0	0	%100
66	M61	Z	0	0	0	%100
67	M64	X	0.341	0.341	0	%100
68	M64	Z	-0.591	-0.591	0	%100
69	M65	X	0.341	0.341	0	%100
70	M65	Z	-0.591	-0.591	0	%100
71	M69	X	0.82	0.82	0	%100
72	M69	Z	-1.42	-1.42	0	%100
73	M70	X	0.626	0.626	0	%100
74	M70	Z	-1.085	-1.085	0	%100
75	M72	X	0.66	0.66	0	%100
76	M72	Z	-1.142	-1.142	0	%100
77	M74	X	0.82	0.82	0	%100
78	M74	Z	-1.42	-1.42	0	%100
79	M75	X	0.626	0.626	0	%100
80	M75	Z	-1.085	-1.085	0	%100
81	M77A	X	0.66	0.66	0	%100
82	M77A	Z	-1.142	-1.142	0	%100
83	M82	X	0.313	0.313	0	%100
84	M82	Z	-0.542	-0.542	0	%100
85	MP3C	X	0.393	0.393	0	%100
86	MP3C	Z	-0.68	-0.68	0	%100
87	MP4C	X	0.324	0.324	0	%100
88	MP4C	Z	-0.562	-0.562	0	%100
89	MP2C	X	0.393	0.393	0	%100
90	MP2C	Z	-0.68	-0.68	0	%100
91	M91A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
92	M91A	Z	0	0	0	%100
93	MP3B	X	0.393	0.393	0	%100
94	MP3B	Z	-0.68	-0.68	0	%100
95	MP4B	X	0.324	0.324	0	%100
96	MP4B	Z	-0.562	-0.562	0	%100
97	MP2B	X	0.393	0.393	0	%100
98	MP2B	Z	-0.68	-0.68	0	%100
99	M100	X	0.295	0.295	0	%100
100	M100	Z	-0.51	-0.51	0	%100
101	M105	X	0.295	0.295	0	%100
102	M105	Z	-0.51	-0.51	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	0	0	0	%100
105	M124	X	0.429	0.429	0	%100
106	M124	Z	-0.743	-0.743	0	%100
107	M125	X	0.429	0.429	0	%100
108	M125	Z	-0.743	-0.743	0	%100
109	M126	X	0.642	0.642	0	%100
110	M126	Z	-1.113	-1.113	0	%100
111	M121	X	0.393	0.393	0	%100
112	M121	Z	-0.68	-0.68	0	%100
113	MP1C	X	0.393	0.393	0	%100
114	MP1C	Z	-0.68	-0.68	0	%100
115	M130	X	0.393	0.393	0	%100
116	M130	Z	-0.68	-0.68	0	%100
117	MP1B	X	0.393	0.393	0	%100
118	MP1B	Z	-0.68	-0.68	0	%100
119	M136	X	0.393	0.393	0	%100
120	M136	Z	-0.68	-0.68	0	%100
121	M135	X	0.385	0.385	0	%100
122	M135	Z	-0.667	-0.667	0	%100
123	M139	X	0.385	0.385	0	%100
124	M139	Z	-0.667	-0.667	0	%100
125	M140	X	0	0	0	%100
126	M140	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M1	X	0.181	0.181	0	%100
2	M1	Z	-0.104	-0.104	0	%100
3	M4	X	0.631	0.631	0	%100
4	M4	Z	-0.364	-0.364	0	%100
5	M10	X	0.178	0.178	0	%100
6	M10	Z	-0.103	-0.103	0	%100
7	MP3A	X	0.68	0.68	0	%100
8	MP3A	Z	-0.393	-0.393	0	%100
9	MP4A	X	0.562	0.562	0	%100
10	MP4A	Z	-0.324	-0.324	0	%100
11	MP2A	X	0.68	0.68	0	%100
12	MP2A	Z	-0.393	-0.393	0	%100
13	MP1A	X	0.68	0.68	0	%100
14	MP1A	Z	-0.393	-0.393	0	%100
15	M43	X	0.178	0.178	0	%100
16	M43	Z	-0.103	-0.103	0	%100
17	M46	X	0.355	0.355	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
18	M46	Z	-0.205	-0.205	0	%100
19	M51B	X	0.788	0.788	0	%100
20	M51B	Z	-0.455	-0.455	0	%100
21	M52B	X	0.197	0.197	0	%100
22	M52B	Z	-0.114	-0.114	0	%100
23	M76	X	1.065	1.065	0	%100
24	M76	Z	-0.615	-0.615	0	%100
25	M77	X	1.446	1.446	0	%100
26	M77	Z	-0.835	-0.835	0	%100
27	M80	X	1.523	1.523	0	%100
28	M80	Z	-0.879	-0.879	0	%100
29	M84	X	1.065	1.065	0	%100
30	M84	Z	-0.615	-0.615	0	%100
31	M85	X	0.362	0.362	0	%100
32	M85	Z	-0.209	-0.209	0	%100
33	M91	X	0.381	0.381	0	%100
34	M91	Z	-0.22	-0.22	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	0	0	0	%100
37	M35	X	0.712	0.712	0	%100
38	M35	Z	-0.411	-0.411	0	%100
39	M36	X	0.712	0.712	0	%100
40	M36	Z	-0.411	-0.411	0	%100
41	M37	X	1.42	1.42	0	%100
42	M37	Z	-0.82	-0.82	0	%100
43	M40	X	0.197	0.197	0	%100
44	M40	Z	-0.114	-0.114	0	%100
45	M41	X	0.197	0.197	0	%100
46	M41	Z	-0.114	-0.114	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	0	0	0	%100
49	M46A	X	0.362	0.362	0	%100
50	M46A	Z	-0.209	-0.209	0	%100
51	M48	X	0.381	0.381	0	%100
52	M48	Z	-0.22	-0.22	0	%100
53	M50A	X	0	0	0	%100
54	M50A	Z	0	0	0	%100
55	M51C	X	0.362	0.362	0	%100
56	M51C	Z	-0.209	-0.209	0	%100
57	M53	X	0.381	0.381	0	%100
58	M53	Z	-0.22	-0.22	0	%100
59	M58A	X	0.631	0.631	0	%100
60	M58A	Z	-0.364	-0.364	0	%100
61	M59A	X	0.178	0.178	0	%100
62	M59A	Z	-0.103	-0.103	0	%100
63	M60	X	0.178	0.178	0	%100
64	M60	Z	-0.103	-0.103	0	%100
65	M61	X	0.355	0.355	0	%100
66	M61	Z	-0.205	-0.205	0	%100
67	M64	X	0.197	0.197	0	%100
68	M64	Z	-0.114	-0.114	0	%100
69	M65	X	0.788	0.788	0	%100
70	M65	Z	-0.455	-0.455	0	%100
71	M69	X	1.065	1.065	0	%100
72	M69	Z	-0.615	-0.615	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
73	M70	X	0.362	0.362	0	%100
74	M70	Z	-0.209	-0.209	0	%100
75	M72	X	0.381	0.381	0	%100
76	M72	Z	-0.22	-0.22	0	%100
77	M74	X	1.065	1.065	0	%100
78	M74	Z	-0.615	-0.615	0	%100
79	M75	X	1.446	1.446	0	%100
80	M75	Z	-0.835	-0.835	0	%100
81	M77A	X	1.523	1.523	0	%100
82	M77A	Z	-0.879	-0.879	0	%100
83	M82	X	0.723	0.723	0	%100
84	M82	Z	-0.418	-0.418	0	%100
85	MP3C	X	0.68	0.68	0	%100
86	MP3C	Z	-0.393	-0.393	0	%100
87	MP4C	X	0.562	0.562	0	%100
88	MP4C	Z	-0.324	-0.324	0	%100
89	MP2C	X	0.68	0.68	0	%100
90	MP2C	Z	-0.393	-0.393	0	%100
91	M91A	X	0.181	0.181	0	%100
92	M91A	Z	-0.104	-0.104	0	%100
93	MP3B	X	0.68	0.68	0	%100
94	MP3B	Z	-0.393	-0.393	0	%100
95	MP4B	X	0.562	0.562	0	%100
96	MP4B	Z	-0.324	-0.324	0	%100
97	MP2B	X	0.68	0.68	0	%100
98	MP2B	Z	-0.393	-0.393	0	%100
99	M100	X	0.17	0.17	0	%100
100	M100	Z	-0.098	-0.098	0	%100
101	M105	X	0.68	0.68	0	%100
102	M105	Z	-0.393	-0.393	0	%100
103	M110	X	0.17	0.17	0	%100
104	M110	Z	-0.098	-0.098	0	%100
105	M124	X	0.989	0.989	0	%100
106	M124	Z	-0.571	-0.571	0	%100
107	M125	X	0.62	0.62	0	%100
108	M125	Z	-0.358	-0.358	0	%100
109	M126	X	0.989	0.989	0	%100
110	M126	Z	-0.571	-0.571	0	%100
111	M121	X	0.68	0.68	0	%100
112	M121	Z	-0.393	-0.393	0	%100
113	MP1C	X	0.68	0.68	0	%100
114	MP1C	Z	-0.393	-0.393	0	%100
115	M130	X	0.68	0.68	0	%100
116	M130	Z	-0.393	-0.393	0	%100
117	MP1B	X	0.68	0.68	0	%100
118	MP1B	Z	-0.393	-0.393	0	%100
119	M136	X	0.68	0.68	0	%100
120	M136	Z	-0.393	-0.393	0	%100
121	M135	X	0.89	0.89	0	%100
122	M135	Z	-0.514	-0.514	0	%100
123	M139	X	0.222	0.222	0	%100
124	M139	Z	-0.128	-0.128	0	%100
125	M140	X	0.222	0.222	0	%100
126	M140	Z	-0.128	-0.128	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	0.971	0.971	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	0.786	0.786	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	0.649	0.649	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	0.786	0.786	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	0.786	0.786	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	0.683	0.683	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	0.683	0.683	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	1.639	1.639	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	1.252	1.252	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	1.319	1.319	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	1.639	1.639	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	1.252	1.252	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	1.319	1.319	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	0.243	0.243	0	%100
36	M34	Z	0	0	0	%100
37	M35	X	0.616	0.616	0	%100
38	M35	Z	0	0	0	%100
39	M36	X	0.616	0.616	0	%100
40	M36	Z	0	0	0	%100
41	M37	X	1.23	1.23	0	%100
42	M37	Z	0	0	0	%100
43	M40	X	0.683	0.683	0	%100
44	M40	Z	0	0	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	0	0	0	%100
47	M45	X	0.41	0.41	0	%100
48	M45	Z	0	0	0	%100
49	M46A	X	1.252	1.252	0	%100
50	M46A	Z	0	0	0	%100
51	M48	X	1.319	1.319	0	%100
52	M48	Z	0	0	0	%100
53	M50A	X	0.41	0.41	0	%100
54	M50A	Z	0	0	0	%100
55	M51C	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
56	M51C	Z	0	0	0	%100
57	M53	X	0	0	0	%100
58	M53	Z	0	0	0	%100
59	M58A	X	0.243	0.243	0	%100
60	M58A	Z	0	0	0	%100
61	M59A	X	0.616	0.616	0	%100
62	M59A	Z	0	0	0	%100
63	M60	X	0.616	0.616	0	%100
64	M60	Z	0	0	0	%100
65	M61	X	1.23	1.23	0	%100
66	M61	Z	0	0	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	0	0	0	%100
69	M65	X	0.683	0.683	0	%100
70	M65	Z	0	0	0	%100
71	M69	X	0.41	0.41	0	%100
72	M69	Z	0	0	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	0	0	0	%100
75	M72	X	0	0	0	%100
76	M72	Z	0	0	0	%100
77	M74	X	0.41	0.41	0	%100
78	M74	Z	0	0	0	%100
79	M75	X	1.252	1.252	0	%100
80	M75	Z	0	0	0	%100
81	M77A	X	1.319	1.319	0	%100
82	M77A	Z	0	0	0	%100
83	M82	X	0.626	0.626	0	%100
84	M82	Z	0	0	0	%100
85	MP3C	X	0.786	0.786	0	%100
86	MP3C	Z	0	0	0	%100
87	MP4C	X	0.649	0.649	0	%100
88	MP4C	Z	0	0	0	%100
89	MP2C	X	0.786	0.786	0	%100
90	MP2C	Z	0	0	0	%100
91	M91A	X	0.626	0.626	0	%100
92	M91A	Z	0	0	0	%100
93	MP3B	X	0.786	0.786	0	%100
94	MP3B	Z	0	0	0	%100
95	MP4B	X	0.649	0.649	0	%100
96	MP4B	Z	0	0	0	%100
97	MP2B	X	0.786	0.786	0	%100
98	MP2B	Z	0	0	0	%100
99	M100	X	0	0	0	%100
100	M100	Z	0	0	0	%100
101	M105	X	0.589	0.589	0	%100
102	M105	Z	0	0	0	%100
103	M110	X	0.589	0.589	0	%100
104	M110	Z	0	0	0	%100
105	M124	X	1.285	1.285	0	%100
106	M124	Z	0	0	0	%100
107	M125	X	0.858	0.858	0	%100
108	M125	Z	0	0	0	%100
109	M126	X	0.858	0.858	0	%100
110	M126	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
111	M121	X	0.786	0.786	0	%100
112	M121	Z	0	0	0	%100
113	MP1C	X	0.786	0.786	0	%100
114	MP1C	Z	0	0	0	%100
115	M130	X	0.786	0.786	0	%100
116	M130	Z	0	0	0	%100
117	MP1B	X	0.786	0.786	0	%100
118	MP1B	Z	0	0	0	%100
119	M136	X	0.786	0.786	0	%100
120	M136	Z	0	0	0	%100
121	M135	X	0.771	0.771	0	%100
122	M135	Z	0	0	0	%100
123	M139	X	0	0	0	%100
124	M139	Z	0	0	0	%100
125	M140	X	0.771	0.771	0	%100
126	M140	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M1	X	0.181	0.181	0	%100
2	M1	Z	0.104	0.104	0	%100
3	M4	X	0.631	0.631	0	%100
4	M4	Z	0.364	0.364	0	%100
5	M10	X	0.178	0.178	0	%100
6	M10	Z	0.103	0.103	0	%100
7	MP3A	X	0.68	0.68	0	%100
8	MP3A	Z	0.393	0.393	0	%100
9	MP4A	X	0.562	0.562	0	%100
10	MP4A	Z	0.324	0.324	0	%100
11	MP2A	X	0.68	0.68	0	%100
12	MP2A	Z	0.393	0.393	0	%100
13	MP1A	X	0.68	0.68	0	%100
14	MP1A	Z	0.393	0.393	0	%100
15	M43	X	0.178	0.178	0	%100
16	M43	Z	0.103	0.103	0	%100
17	M46	X	0.355	0.355	0	%100
18	M46	Z	0.205	0.205	0	%100
19	M51B	X	0.197	0.197	0	%100
20	M51B	Z	0.114	0.114	0	%100
21	M52B	X	0.788	0.788	0	%100
22	M52B	Z	0.455	0.455	0	%100
23	M76	X	1.065	1.065	0	%100
24	M76	Z	0.615	0.615	0	%100
25	M77	X	0.362	0.362	0	%100
26	M77	Z	0.209	0.209	0	%100
27	M80	X	0.381	0.381	0	%100
28	M80	Z	0.22	0.22	0	%100
29	M84	X	1.065	1.065	0	%100
30	M84	Z	0.615	0.615	0	%100
31	M85	X	1.446	1.446	0	%100
32	M85	Z	0.835	0.835	0	%100
33	M91	X	1.523	1.523	0	%100
34	M91	Z	0.879	0.879	0	%100
35	M34	X	0.631	0.631	0	%100
36	M34	Z	0.364	0.364	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
37	M35	X	0.178	0.178	0	%100
38	M35	Z	0.103	0.103	0	%100
39	M36	X	0.178	0.178	0	%100
40	M36	Z	0.103	0.103	0	%100
41	M37	X	0.355	0.355	0	%100
42	M37	Z	0.205	0.205	0	%100
43	M40	X	0.788	0.788	0	%100
44	M40	Z	0.455	0.455	0	%100
45	M41	X	0.197	0.197	0	%100
46	M41	Z	0.114	0.114	0	%100
47	M45	X	1.065	1.065	0	%100
48	M45	Z	0.615	0.615	0	%100
49	M46A	X	1.446	1.446	0	%100
50	M46A	Z	0.835	0.835	0	%100
51	M48	X	1.523	1.523	0	%100
52	M48	Z	0.879	0.879	0	%100
53	M50A	X	1.065	1.065	0	%100
54	M50A	Z	0.615	0.615	0	%100
55	M51C	X	0.362	0.362	0	%100
56	M51C	Z	0.209	0.209	0	%100
57	M53	X	0.381	0.381	0	%100
58	M53	Z	0.22	0.22	0	%100
59	M58A	X	0	0	0	%100
60	M58A	Z	0	0	0	%100
61	M59A	X	0.712	0.712	0	%100
62	M59A	Z	0.411	0.411	0	%100
63	M60	X	0.712	0.712	0	%100
64	M60	Z	0.411	0.411	0	%100
65	M61	X	1.42	1.42	0	%100
66	M61	Z	0.82	0.82	0	%100
67	M64	X	0.197	0.197	0	%100
68	M64	Z	0.114	0.114	0	%100
69	M65	X	0.197	0.197	0	%100
70	M65	Z	0.114	0.114	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	0	0	0	%100
73	M70	X	0.362	0.362	0	%100
74	M70	Z	0.209	0.209	0	%100
75	M72	X	0.381	0.381	0	%100
76	M72	Z	0.22	0.22	0	%100
77	M74	X	0	0	0	%100
78	M74	Z	0	0	0	%100
79	M75	X	0.362	0.362	0	%100
80	M75	Z	0.209	0.209	0	%100
81	M77A	X	0.381	0.381	0	%100
82	M77A	Z	0.22	0.22	0	%100
83	M82	X	0.181	0.181	0	%100
84	M82	Z	0.104	0.104	0	%100
85	MP3C	X	0.68	0.68	0	%100
86	MP3C	Z	0.393	0.393	0	%100
87	MP4C	X	0.562	0.562	0	%100
88	MP4C	Z	0.324	0.324	0	%100
89	MP2C	X	0.68	0.68	0	%100
90	MP2C	Z	0.393	0.393	0	%100
91	M91A	X	0.723	0.723	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
92	M91A	Z	0.418	0.418	0	%100
93	MP3B	X	0.68	0.68	0	%100
94	MP3B	Z	0.393	0.393	0	%100
95	MP4B	X	0.562	0.562	0	%100
96	MP4B	Z	0.324	0.324	0	%100
97	MP2B	X	0.68	0.68	0	%100
98	MP2B	Z	0.393	0.393	0	%100
99	M100	X	0.17	0.17	0	%100
100	M100	Z	0.098	0.098	0	%100
101	M105	X	0.17	0.17	0	%100
102	M105	Z	0.098	0.098	0	%100
103	M110	X	0.68	0.68	0	%100
104	M110	Z	0.393	0.393	0	%100
105	M124	X	0.989	0.989	0	%100
106	M124	Z	0.571	0.571	0	%100
107	M125	X	0.989	0.989	0	%100
108	M125	Z	0.571	0.571	0	%100
109	M126	X	0.62	0.62	0	%100
110	M126	Z	0.358	0.358	0	%100
111	M121	X	0.68	0.68	0	%100
112	M121	Z	0.393	0.393	0	%100
113	MP1C	X	0.68	0.68	0	%100
114	MP1C	Z	0.393	0.393	0	%100
115	M130	X	0.68	0.68	0	%100
116	M130	Z	0.393	0.393	0	%100
117	MP1B	X	0.68	0.68	0	%100
118	MP1B	Z	0.393	0.393	0	%100
119	M136	X	0.68	0.68	0	%100
120	M136	Z	0.393	0.393	0	%100
121	M135	X	0.222	0.222	0	%100
122	M135	Z	0.128	0.128	0	%100
123	M139	X	0.222	0.222	0	%100
124	M139	Z	0.128	0.128	0	%100
125	M140	X	0.89	0.89	0	%100
126	M140	Z	0.514	0.514	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M1	X	0.313	0.313	0	%100
2	M1	Z	0.542	0.542	0	%100
3	M4	X	0.121	0.121	0	%100
4	M4	Z	0.21	0.21	0	%100
5	M10	X	0.308	0.308	0	%100
6	M10	Z	0.534	0.534	0	%100
7	MP3A	X	0.393	0.393	0	%100
8	MP3A	Z	0.68	0.68	0	%100
9	MP4A	X	0.324	0.324	0	%100
10	MP4A	Z	0.562	0.562	0	%100
11	MP2A	X	0.393	0.393	0	%100
12	MP2A	Z	0.68	0.68	0	%100
13	MP1A	X	0.393	0.393	0	%100
14	MP1A	Z	0.68	0.68	0	%100
15	M43	X	0.308	0.308	0	%100
16	M43	Z	0.534	0.534	0	%100
17	M46	X	0.615	0.615	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
18	M46	Z	1.065	1.065	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	0.341	0.341	0	%100
22	M52B	Z	0.591	0.591	0	%100
23	M76	X	0.205	0.205	0	%100
24	M76	Z	0.355	0.355	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	0.205	0.205	0	%100
30	M84	Z	0.355	0.355	0	%100
31	M85	X	0.626	0.626	0	%100
32	M85	Z	1.085	1.085	0	%100
33	M91	X	0.66	0.66	0	%100
34	M91	Z	1.142	1.142	0	%100
35	M34	X	0.486	0.486	0	%100
36	M34	Z	0.841	0.841	0	%100
37	M35	X	0	0	0	%100
38	M35	Z	0	0	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	0	0	0	%100
41	M37	X	0	0	0	%100
42	M37	Z	0	0	0	%100
43	M40	X	0.341	0.341	0	%100
44	M40	Z	0.591	0.591	0	%100
45	M41	X	0.341	0.341	0	%100
46	M41	Z	0.591	0.591	0	%100
47	M45	X	0.82	0.82	0	%100
48	M45	Z	1.42	1.42	0	%100
49	M46A	X	0.626	0.626	0	%100
50	M46A	Z	1.085	1.085	0	%100
51	M48	X	0.66	0.66	0	%100
52	M48	Z	1.142	1.142	0	%100
53	M50A	X	0.82	0.82	0	%100
54	M50A	Z	1.42	1.42	0	%100
55	M51C	X	0.626	0.626	0	%100
56	M51C	Z	1.085	1.085	0	%100
57	M53	X	0.66	0.66	0	%100
58	M53	Z	1.142	1.142	0	%100
59	M58A	X	0.121	0.121	0	%100
60	M58A	Z	0.21	0.21	0	%100
61	M59A	X	0.308	0.308	0	%100
62	M59A	Z	0.534	0.534	0	%100
63	M60	X	0.308	0.308	0	%100
64	M60	Z	0.534	0.534	0	%100
65	M61	X	0.615	0.615	0	%100
66	M61	Z	1.065	1.065	0	%100
67	M64	X	0.341	0.341	0	%100
68	M64	Z	0.591	0.591	0	%100
69	M65	X	0	0	0	%100
70	M65	Z	0	0	0	%100
71	M69	X	0.205	0.205	0	%100
72	M69	Z	0.355	0.355	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
73	M70	X	0.626	0.626	0	%100
74	M70	Z	1.085	1.085	0	%100
75	M72	X	0.66	0.66	0	%100
76	M72	Z	1.142	1.142	0	%100
77	M74	X	0.205	0.205	0	%100
78	M74	Z	0.355	0.355	0	%100
79	M75	X	0	0	0	%100
80	M75	Z	0	0	0	%100
81	M77A	X	0	0	0	%100
82	M77A	Z	0	0	0	%100
83	M82	X	0	0	0	%100
84	M82	Z	0	0	0	%100
85	MP3C	X	0.393	0.393	0	%100
86	MP3C	Z	0.68	0.68	0	%100
87	MP4C	X	0.324	0.324	0	%100
88	MP4C	Z	0.562	0.562	0	%100
89	MP2C	X	0.393	0.393	0	%100
90	MP2C	Z	0.68	0.68	0	%100
91	M91A	X	0.313	0.313	0	%100
92	M91A	Z	0.542	0.542	0	%100
93	MP3B	X	0.393	0.393	0	%100
94	MP3B	Z	0.68	0.68	0	%100
95	MP4B	X	0.324	0.324	0	%100
96	MP4B	Z	0.562	0.562	0	%100
97	MP2B	X	0.393	0.393	0	%100
98	MP2B	Z	0.68	0.68	0	%100
99	M100	X	0.295	0.295	0	%100
100	M100	Z	0.51	0.51	0	%100
101	M105	X	0	0	0	%100
102	M105	Z	0	0	0	%100
103	M110	X	0.295	0.295	0	%100
104	M110	Z	0.51	0.51	0	%100
105	M124	X	0.429	0.429	0	%100
106	M124	Z	0.743	0.743	0	%100
107	M125	X	0.642	0.642	0	%100
108	M125	Z	1.113	1.113	0	%100
109	M126	X	0.429	0.429	0	%100
110	M126	Z	0.743	0.743	0	%100
111	M121	X	0.393	0.393	0	%100
112	M121	Z	0.68	0.68	0	%100
113	MP1C	X	0.393	0.393	0	%100
114	MP1C	Z	0.68	0.68	0	%100
115	M130	X	0.393	0.393	0	%100
116	M130	Z	0.68	0.68	0	%100
117	MP1B	X	0.393	0.393	0	%100
118	MP1B	Z	0.68	0.68	0	%100
119	M136	X	0.393	0.393	0	%100
120	M136	Z	0.68	0.68	0	%100
121	M135	X	0	0	0	%100
122	M135	Z	0	0	0	%100
123	M139	X	0.385	0.385	0	%100
124	M139	Z	0.667	0.667	0	%100
125	M140	X	0.385	0.385	0	%100
126	M140	Z	0.667	0.667	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M1	X	0	0	0	%100
2	M1	Z	0.835	0.835	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	0.822	0.822	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	0.786	0.786	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	0.649	0.649	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	0.786	0.786	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	0.786	0.786	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0.822	0.822	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	1.639	1.639	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0.228	0.228	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0.228	0.228	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0.417	0.417	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0.44	0.44	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0.417	0.417	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0.44	0.44	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	0.729	0.729	0	%100
37	M35	X	0	0	0	%100
38	M35	Z	0.205	0.205	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	0.205	0.205	0	%100
41	M37	X	0	0	0	%100
42	M37	Z	0.41	0.41	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	0.228	0.228	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	0.91	0.91	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	1.23	1.23	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	0.417	0.417	0	%100
51	M48	X	0	0	0	%100
52	M48	Z	0.44	0.44	0	%100
53	M50A	X	0	0	0	%100
54	M50A	Z	1.23	1.23	0	%100
55	M51C	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
56	M51C	Z	1.67	1.67	0	%100
57	M53	X	0	0	0	%100
58	M53	Z	1.759	1.759	0	%100
59	M58A	X	0	0	0	%100
60	M58A	Z	0.729	0.729	0	%100
61	M59A	X	0	0	0	%100
62	M59A	Z	0.205	0.205	0	%100
63	M60	X	0	0	0	%100
64	M60	Z	0.205	0.205	0	%100
65	M61	X	0	0	0	%100
66	M61	Z	0.41	0.41	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	0.91	0.91	0	%100
69	M65	X	0	0	0	%100
70	M65	Z	0.228	0.228	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	1.23	1.23	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	1.67	1.67	0	%100
75	M72	X	0	0	0	%100
76	M72	Z	1.759	1.759	0	%100
77	M74	X	0	0	0	%100
78	M74	Z	1.23	1.23	0	%100
79	M75	X	0	0	0	%100
80	M75	Z	0.417	0.417	0	%100
81	M77A	X	0	0	0	%100
82	M77A	Z	0.44	0.44	0	%100
83	M82	X	0	0	0	%100
84	M82	Z	0.209	0.209	0	%100
85	MP3C	X	0	0	0	%100
86	MP3C	Z	0.786	0.786	0	%100
87	MP4C	X	0	0	0	%100
88	MP4C	Z	0.649	0.649	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	0.786	0.786	0	%100
91	M91A	X	0	0	0	%100
92	M91A	Z	0.209	0.209	0	%100
93	MP3B	X	0	0	0	%100
94	MP3B	Z	0.786	0.786	0	%100
95	MP4B	X	0	0	0	%100
96	MP4B	Z	0.649	0.649	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	0.786	0.786	0	%100
99	M100	X	0	0	0	%100
100	M100	Z	0.786	0.786	0	%100
101	M105	X	0	0	0	%100
102	M105	Z	0.196	0.196	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	0.196	0.196	0	%100
105	M124	X	0	0	0	%100
106	M124	Z	0.716	0.716	0	%100
107	M125	X	0	0	0	%100
108	M125	Z	1.142	1.142	0	%100
109	M126	X	0	0	0	%100
110	M126	Z	1.142	1.142	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
111	M121	X	0	0	0	%100
112	M121	Z	0.786	0.786	0	%100
113	MP1C	X	0	0	0	%100
114	MP1C	Z	0.786	0.786	0	%100
115	M130	X	0	0	0	%100
116	M130	Z	0.786	0.786	0	%100
117	MP1B	X	0	0	0	%100
118	MP1B	Z	0.786	0.786	0	%100
119	M136	X	0	0	0	%100
120	M136	Z	0.786	0.786	0	%100
121	M135	X	0	0	0	%100
122	M135	Z	0.257	0.257	0	%100
123	M139	X	0	0	0	%100
124	M139	Z	1.028	1.028	0	%100
125	M140	X	0	0	0	%100
126	M140	Z	0.257	0.257	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M1	X	-0.313	-0.313	0	%100
2	M1	Z	0.542	0.542	0	%100
3	M4	X	-0.121	-0.121	0	%100
4	M4	Z	0.21	0.21	0	%100
5	M10	X	-0.308	-0.308	0	%100
6	M10	Z	0.534	0.534	0	%100
7	MP3A	X	-0.393	-0.393	0	%100
8	MP3A	Z	0.68	0.68	0	%100
9	MP4A	X	-0.324	-0.324	0	%100
10	MP4A	Z	0.562	0.562	0	%100
11	MP2A	X	-0.393	-0.393	0	%100
12	MP2A	Z	0.68	0.68	0	%100
13	MP1A	X	-0.393	-0.393	0	%100
14	MP1A	Z	0.68	0.68	0	%100
15	M43	X	-0.308	-0.308	0	%100
16	M43	Z	0.534	0.534	0	%100
17	M46	X	-0.615	-0.615	0	%100
18	M46	Z	1.065	1.065	0	%100
19	M51B	X	-0.341	-0.341	0	%100
20	M51B	Z	0.591	0.591	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-0.205	-0.205	0	%100
24	M76	Z	0.355	0.355	0	%100
25	M77	X	-0.626	-0.626	0	%100
26	M77	Z	1.085	1.085	0	%100
27	M80	X	-0.66	-0.66	0	%100
28	M80	Z	1.142	1.142	0	%100
29	M84	X	-0.205	-0.205	0	%100
30	M84	Z	0.355	0.355	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	-0.121	-0.121	0	%100
36	M34	Z	0.21	0.21	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
37	M35	X	-0.308	-0.308	0	%100
38	M35	Z	0.534	0.534	0	%100
39	M36	X	-0.308	-0.308	0	%100
40	M36	Z	0.534	0.534	0	%100
41	M37	X	-0.615	-0.615	0	%100
42	M37	Z	1.065	1.065	0	%100
43	M40	X	0	0	0	%100
44	M40	Z	0	0	0	%100
45	M41	X	-0.341	-0.341	0	%100
46	M41	Z	0.591	0.591	0	%100
47	M45	X	-0.205	-0.205	0	%100
48	M45	Z	0.355	0.355	0	%100
49	M46A	X	0	0	0	%100
50	M46A	Z	0	0	0	%100
51	M48	X	0	0	0	%100
52	M48	Z	0	0	0	%100
53	M50A	X	-0.205	-0.205	0	%100
54	M50A	Z	0.355	0.355	0	%100
55	M51C	X	-0.626	-0.626	0	%100
56	M51C	Z	1.085	1.085	0	%100
57	M53	X	-0.66	-0.66	0	%100
58	M53	Z	1.142	1.142	0	%100
59	M58A	X	-0.486	-0.486	0	%100
60	M58A	Z	0.841	0.841	0	%100
61	M59A	X	0	0	0	%100
62	M59A	Z	0	0	0	%100
63	M60	X	0	0	0	%100
64	M60	Z	0	0	0	%100
65	M61	X	0	0	0	%100
66	M61	Z	0	0	0	%100
67	M64	X	-0.341	-0.341	0	%100
68	M64	Z	0.591	0.591	0	%100
69	M65	X	-0.341	-0.341	0	%100
70	M65	Z	0.591	0.591	0	%100
71	M69	X	-0.82	-0.82	0	%100
72	M69	Z	1.42	1.42	0	%100
73	M70	X	-0.626	-0.626	0	%100
74	M70	Z	1.085	1.085	0	%100
75	M72	X	-0.66	-0.66	0	%100
76	M72	Z	1.142	1.142	0	%100
77	M74	X	-0.82	-0.82	0	%100
78	M74	Z	1.42	1.42	0	%100
79	M75	X	-0.626	-0.626	0	%100
80	M75	Z	1.085	1.085	0	%100
81	M77A	X	-0.66	-0.66	0	%100
82	M77A	Z	1.142	1.142	0	%100
83	M82	X	-0.313	-0.313	0	%100
84	M82	Z	0.542	0.542	0	%100
85	MP3C	X	-0.393	-0.393	0	%100
86	MP3C	Z	0.68	0.68	0	%100
87	MP4C	X	-0.324	-0.324	0	%100
88	MP4C	Z	0.562	0.562	0	%100
89	MP2C	X	-0.393	-0.393	0	%100
90	MP2C	Z	0.68	0.68	0	%100
91	M91A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
92	M91A	Z	0	0	0	%100
93	MP3B	X	-0.393	-0.393	0	%100
94	MP3B	Z	0.68	0.68	0	%100
95	MP4B	X	-0.324	-0.324	0	%100
96	MP4B	Z	0.562	0.562	0	%100
97	MP2B	X	-0.393	-0.393	0	%100
98	MP2B	Z	0.68	0.68	0	%100
99	M100	X	-0.295	-0.295	0	%100
100	M100	Z	0.51	0.51	0	%100
101	M105	X	-0.295	-0.295	0	%100
102	M105	Z	0.51	0.51	0	%100
103	M110	X	0	0	0	%100
104	M110	Z	0	0	0	%100
105	M124	X	-0.429	-0.429	0	%100
106	M124	Z	0.743	0.743	0	%100
107	M125	X	-0.429	-0.429	0	%100
108	M125	Z	0.743	0.743	0	%100
109	M126	X	-0.642	-0.642	0	%100
110	M126	Z	1.113	1.113	0	%100
111	M121	X	-0.393	-0.393	0	%100
112	M121	Z	0.68	0.68	0	%100
113	MP1C	X	-0.393	-0.393	0	%100
114	MP1C	Z	0.68	0.68	0	%100
115	M130	X	-0.393	-0.393	0	%100
116	M130	Z	0.68	0.68	0	%100
117	MP1B	X	-0.393	-0.393	0	%100
118	MP1B	Z	0.68	0.68	0	%100
119	M136	X	-0.393	-0.393	0	%100
120	M136	Z	0.68	0.68	0	%100
121	M135	X	-0.385	-0.385	0	%100
122	M135	Z	0.667	0.667	0	%100
123	M139	X	-0.385	-0.385	0	%100
124	M139	Z	0.667	0.667	0	%100
125	M140	X	0	0	0	%100
126	M140	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M1	X	-0.181	-0.181	0	%100
2	M1	Z	0.104	0.104	0	%100
3	M4	X	-0.631	-0.631	0	%100
4	M4	Z	0.364	0.364	0	%100
5	M10	X	-0.178	-0.178	0	%100
6	M10	Z	0.103	0.103	0	%100
7	MP3A	X	-0.68	-0.68	0	%100
8	MP3A	Z	0.393	0.393	0	%100
9	MP4A	X	-0.562	-0.562	0	%100
10	MP4A	Z	0.324	0.324	0	%100
11	MP2A	X	-0.68	-0.68	0	%100
12	MP2A	Z	0.393	0.393	0	%100
13	MP1A	X	-0.68	-0.68	0	%100
14	MP1A	Z	0.393	0.393	0	%100
15	M43	X	-0.178	-0.178	0	%100
16	M43	Z	0.103	0.103	0	%100
17	M46	X	-0.355	-0.355	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
18	M46	Z	0.205	0.205	0	%100
19	M51B	X	-0.788	-0.788	0	%100
20	M51B	Z	0.455	0.455	0	%100
21	M52B	X	-0.197	-0.197	0	%100
22	M52B	Z	0.114	0.114	0	%100
23	M76	X	-1.065	-1.065	0	%100
24	M76	Z	0.615	0.615	0	%100
25	M77	X	-1.446	-1.446	0	%100
26	M77	Z	0.835	0.835	0	%100
27	M80	X	-1.523	-1.523	0	%100
28	M80	Z	0.879	0.879	0	%100
29	M84	X	-1.065	-1.065	0	%100
30	M84	Z	0.615	0.615	0	%100
31	M85	X	-0.362	-0.362	0	%100
32	M85	Z	0.209	0.209	0	%100
33	M91	X	-0.381	-0.381	0	%100
34	M91	Z	0.22	0.22	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	0	0	0	%100
37	M35	X	-0.712	-0.712	0	%100
38	M35	Z	0.411	0.411	0	%100
39	M36	X	-0.712	-0.712	0	%100
40	M36	Z	0.411	0.411	0	%100
41	M37	X	-1.42	-1.42	0	%100
42	M37	Z	0.82	0.82	0	%100
43	M40	X	-0.197	-0.197	0	%100
44	M40	Z	0.114	0.114	0	%100
45	M41	X	-0.197	-0.197	0	%100
46	M41	Z	0.114	0.114	0	%100
47	M45	X	0	0	0	%100
48	M45	Z	0	0	0	%100
49	M46A	X	-0.362	-0.362	0	%100
50	M46A	Z	0.209	0.209	0	%100
51	M48	X	-0.381	-0.381	0	%100
52	M48	Z	0.22	0.22	0	%100
53	M50A	X	0	0	0	%100
54	M50A	Z	0	0	0	%100
55	M51C	X	-0.362	-0.362	0	%100
56	M51C	Z	0.209	0.209	0	%100
57	M53	X	-0.381	-0.381	0	%100
58	M53	Z	0.22	0.22	0	%100
59	M58A	X	-0.631	-0.631	0	%100
60	M58A	Z	0.364	0.364	0	%100
61	M59A	X	-0.178	-0.178	0	%100
62	M59A	Z	0.103	0.103	0	%100
63	M60	X	-0.178	-0.178	0	%100
64	M60	Z	0.103	0.103	0	%100
65	M61	X	-0.355	-0.355	0	%100
66	M61	Z	0.205	0.205	0	%100
67	M64	X	-0.197	-0.197	0	%100
68	M64	Z	0.114	0.114	0	%100
69	M65	X	-0.788	-0.788	0	%100
70	M65	Z	0.455	0.455	0	%100
71	M69	X	-1.065	-1.065	0	%100
72	M69	Z	0.615	0.615	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
73	M70	X	-0.362	-0.362	0	%100
74	M70	Z	0.209	0.209	0	%100
75	M72	X	-0.381	-0.381	0	%100
76	M72	Z	0.22	0.22	0	%100
77	M74	X	-1.065	-1.065	0	%100
78	M74	Z	0.615	0.615	0	%100
79	M75	X	-1.446	-1.446	0	%100
80	M75	Z	0.835	0.835	0	%100
81	M77A	X	-1.523	-1.523	0	%100
82	M77A	Z	0.879	0.879	0	%100
83	M82	X	-0.723	-0.723	0	%100
84	M82	Z	0.418	0.418	0	%100
85	MP3C	X	-0.68	-0.68	0	%100
86	MP3C	Z	0.393	0.393	0	%100
87	MP4C	X	-0.562	-0.562	0	%100
88	MP4C	Z	0.324	0.324	0	%100
89	MP2C	X	-0.68	-0.68	0	%100
90	MP2C	Z	0.393	0.393	0	%100
91	M91A	X	-0.181	-0.181	0	%100
92	M91A	Z	0.104	0.104	0	%100
93	MP3B	X	-0.68	-0.68	0	%100
94	MP3B	Z	0.393	0.393	0	%100
95	MP4B	X	-0.562	-0.562	0	%100
96	MP4B	Z	0.324	0.324	0	%100
97	MP2B	X	-0.68	-0.68	0	%100
98	MP2B	Z	0.393	0.393	0	%100
99	M100	X	-0.17	-0.17	0	%100
100	M100	Z	0.098	0.098	0	%100
101	M105	X	-0.68	-0.68	0	%100
102	M105	Z	0.393	0.393	0	%100
103	M110	X	-0.17	-0.17	0	%100
104	M110	Z	0.098	0.098	0	%100
105	M124	X	-0.989	-0.989	0	%100
106	M124	Z	0.571	0.571	0	%100
107	M125	X	-0.62	-0.62	0	%100
108	M125	Z	0.358	0.358	0	%100
109	M126	X	-0.989	-0.989	0	%100
110	M126	Z	0.571	0.571	0	%100
111	M121	X	-0.68	-0.68	0	%100
112	M121	Z	0.393	0.393	0	%100
113	MP1C	X	-0.68	-0.68	0	%100
114	MP1C	Z	0.393	0.393	0	%100
115	M130	X	-0.68	-0.68	0	%100
116	M130	Z	0.393	0.393	0	%100
117	MP1B	X	-0.68	-0.68	0	%100
118	MP1B	Z	0.393	0.393	0	%100
119	M136	X	-0.68	-0.68	0	%100
120	M136	Z	0.393	0.393	0	%100
121	M135	X	-0.89	-0.89	0	%100
122	M135	Z	0.514	0.514	0	%100
123	M139	X	-0.222	-0.222	0	%100
124	M139	Z	0.128	0.128	0	%100
125	M140	X	-0.222	-0.222	0	%100
126	M140	Z	0.128	0.128	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-0.971	-0.971	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	-0.786	-0.786	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	-0.649	-0.649	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	-0.786	-0.786	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-0.786	-0.786	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	-0.683	-0.683	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-0.683	-0.683	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-1.639	-1.639	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	-1.252	-1.252	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	-1.319	-1.319	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-1.639	-1.639	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	-1.252	-1.252	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	-1.319	-1.319	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	-0.243	-0.243	0	%100
36	M34	Z	0	0	0	%100
37	M35	X	-0.616	-0.616	0	%100
38	M35	Z	0	0	0	%100
39	M36	X	-0.616	-0.616	0	%100
40	M36	Z	0	0	0	%100
41	M37	X	-1.23	-1.23	0	%100
42	M37	Z	0	0	0	%100
43	M40	X	-0.683	-0.683	0	%100
44	M40	Z	0	0	0	%100
45	M41	X	0	0	0	%100
46	M41	Z	0	0	0	%100
47	M45	X	-0.41	-0.41	0	%100
48	M45	Z	0	0	0	%100
49	M46A	X	-1.252	-1.252	0	%100
50	M46A	Z	0	0	0	%100
51	M48	X	-1.319	-1.319	0	%100
52	M48	Z	0	0	0	%100
53	M50A	X	-0.41	-0.41	0	%100
54	M50A	Z	0	0	0	%100
55	M51C	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
56	M51C	Z	0	0	0	%100
57	M53	X	0	0	0	%100
58	M53	Z	0	0	0	%100
59	M58A	X	-0.243	-0.243	0	%100
60	M58A	Z	0	0	0	%100
61	M59A	X	-0.616	-0.616	0	%100
62	M59A	Z	0	0	0	%100
63	M60	X	-0.616	-0.616	0	%100
64	M60	Z	0	0	0	%100
65	M61	X	-1.23	-1.23	0	%100
66	M61	Z	0	0	0	%100
67	M64	X	0	0	0	%100
68	M64	Z	0	0	0	%100
69	M65	X	-0.683	-0.683	0	%100
70	M65	Z	0	0	0	%100
71	M69	X	-0.41	-0.41	0	%100
72	M69	Z	0	0	0	%100
73	M70	X	0	0	0	%100
74	M70	Z	0	0	0	%100
75	M72	X	0	0	0	%100
76	M72	Z	0	0	0	%100
77	M74	X	-0.41	-0.41	0	%100
78	M74	Z	0	0	0	%100
79	M75	X	-1.252	-1.252	0	%100
80	M75	Z	0	0	0	%100
81	M77A	X	-1.319	-1.319	0	%100
82	M77A	Z	0	0	0	%100
83	M82	X	-0.626	-0.626	0	%100
84	M82	Z	0	0	0	%100
85	MP3C	X	-0.786	-0.786	0	%100
86	MP3C	Z	0	0	0	%100
87	MP4C	X	-0.649	-0.649	0	%100
88	MP4C	Z	0	0	0	%100
89	MP2C	X	-0.786	-0.786	0	%100
90	MP2C	Z	0	0	0	%100
91	M91A	X	-0.626	-0.626	0	%100
92	M91A	Z	0	0	0	%100
93	MP3B	X	-0.786	-0.786	0	%100
94	MP3B	Z	0	0	0	%100
95	MP4B	X	-0.649	-0.649	0	%100
96	MP4B	Z	0	0	0	%100
97	MP2B	X	-0.786	-0.786	0	%100
98	MP2B	Z	0	0	0	%100
99	M100	X	0	0	0	%100
100	M100	Z	0	0	0	%100
101	M105	X	-0.589	-0.589	0	%100
102	M105	Z	0	0	0	%100
103	M110	X	-0.589	-0.589	0	%100
104	M110	Z	0	0	0	%100
105	M124	X	-1.285	-1.285	0	%100
106	M124	Z	0	0	0	%100
107	M125	X	-0.858	-0.858	0	%100
108	M125	Z	0	0	0	%100
109	M126	X	-0.858	-0.858	0	%100
110	M126	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
111	M121	X	-0.786	-0.786	0	%100
112	M121	Z	0	0	0	%100
113	MP1C	X	-0.786	-0.786	0	%100
114	MP1C	Z	0	0	0	%100
115	M130	X	-0.786	-0.786	0	%100
116	M130	Z	0	0	0	%100
117	MP1B	X	-0.786	-0.786	0	%100
118	MP1B	Z	0	0	0	%100
119	M136	X	-0.786	-0.786	0	%100
120	M136	Z	0	0	0	%100
121	M135	X	-0.771	-0.771	0	%100
122	M135	Z	0	0	0	%100
123	M139	X	0	0	0	%100
124	M139	Z	0	0	0	%100
125	M140	X	-0.771	-0.771	0	%100
126	M140	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M1	X	-0.181	-0.181	0	%100
2	M1	Z	-0.104	-0.104	0	%100
3	M4	X	-0.631	-0.631	0	%100
4	M4	Z	-0.364	-0.364	0	%100
5	M10	X	-0.178	-0.178	0	%100
6	M10	Z	-0.103	-0.103	0	%100
7	MP3A	X	-0.68	-0.68	0	%100
8	MP3A	Z	-0.393	-0.393	0	%100
9	MP4A	X	-0.562	-0.562	0	%100
10	MP4A	Z	-0.324	-0.324	0	%100
11	MP2A	X	-0.68	-0.68	0	%100
12	MP2A	Z	-0.393	-0.393	0	%100
13	MP1A	X	-0.68	-0.68	0	%100
14	MP1A	Z	-0.393	-0.393	0	%100
15	M43	X	-0.178	-0.178	0	%100
16	M43	Z	-0.103	-0.103	0	%100
17	M46	X	-0.355	-0.355	0	%100
18	M46	Z	-0.205	-0.205	0	%100
19	M51B	X	-0.197	-0.197	0	%100
20	M51B	Z	-0.114	-0.114	0	%100
21	M52B	X	-0.788	-0.788	0	%100
22	M52B	Z	-0.455	-0.455	0	%100
23	M76	X	-1.065	-1.065	0	%100
24	M76	Z	-0.615	-0.615	0	%100
25	M77	X	-0.362	-0.362	0	%100
26	M77	Z	-0.209	-0.209	0	%100
27	M80	X	-0.381	-0.381	0	%100
28	M80	Z	-0.22	-0.22	0	%100
29	M84	X	-1.065	-1.065	0	%100
30	M84	Z	-0.615	-0.615	0	%100
31	M85	X	-1.446	-1.446	0	%100
32	M85	Z	-0.835	-0.835	0	%100
33	M91	X	-1.523	-1.523	0	%100
34	M91	Z	-0.879	-0.879	0	%100
35	M34	X	-0.631	-0.631	0	%100
36	M34	Z	-0.364	-0.364	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
37	M35	X	-0.178	-0.178	0	%100
38	M35	Z	-0.103	-0.103	0	%100
39	M36	X	-0.178	-0.178	0	%100
40	M36	Z	-0.103	-0.103	0	%100
41	M37	X	-0.355	-0.355	0	%100
42	M37	Z	-0.205	-0.205	0	%100
43	M40	X	-0.788	-0.788	0	%100
44	M40	Z	-0.455	-0.455	0	%100
45	M41	X	-0.197	-0.197	0	%100
46	M41	Z	-0.114	-0.114	0	%100
47	M45	X	-1.065	-1.065	0	%100
48	M45	Z	-0.615	-0.615	0	%100
49	M46A	X	-1.446	-1.446	0	%100
50	M46A	Z	-0.835	-0.835	0	%100
51	M48	X	-1.523	-1.523	0	%100
52	M48	Z	-0.879	-0.879	0	%100
53	M50A	X	-1.065	-1.065	0	%100
54	M50A	Z	-0.615	-0.615	0	%100
55	M51C	X	-0.362	-0.362	0	%100
56	M51C	Z	-0.209	-0.209	0	%100
57	M53	X	-0.381	-0.381	0	%100
58	M53	Z	-0.22	-0.22	0	%100
59	M58A	X	0	0	0	%100
60	M58A	Z	0	0	0	%100
61	M59A	X	-0.712	-0.712	0	%100
62	M59A	Z	-0.411	-0.411	0	%100
63	M60	X	-0.712	-0.712	0	%100
64	M60	Z	-0.411	-0.411	0	%100
65	M61	X	-1.42	-1.42	0	%100
66	M61	Z	-0.82	-0.82	0	%100
67	M64	X	-0.197	-0.197	0	%100
68	M64	Z	-0.114	-0.114	0	%100
69	M65	X	-0.197	-0.197	0	%100
70	M65	Z	-0.114	-0.114	0	%100
71	M69	X	0	0	0	%100
72	M69	Z	0	0	0	%100
73	M70	X	-0.362	-0.362	0	%100
74	M70	Z	-0.209	-0.209	0	%100
75	M72	X	-0.381	-0.381	0	%100
76	M72	Z	-0.22	-0.22	0	%100
77	M74	X	0	0	0	%100
78	M74	Z	0	0	0	%100
79	M75	X	-0.362	-0.362	0	%100
80	M75	Z	-0.209	-0.209	0	%100
81	M77A	X	-0.381	-0.381	0	%100
82	M77A	Z	-0.22	-0.22	0	%100
83	M82	X	-0.181	-0.181	0	%100
84	M82	Z	-0.104	-0.104	0	%100
85	MP3C	X	-0.68	-0.68	0	%100
86	MP3C	Z	-0.393	-0.393	0	%100
87	MP4C	X	-0.562	-0.562	0	%100
88	MP4C	Z	-0.324	-0.324	0	%100
89	MP2C	X	-0.68	-0.68	0	%100
90	MP2C	Z	-0.393	-0.393	0	%100
91	M91A	X	-0.723	-0.723	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
92	M91A	Z	-0.418	-0.418	0	%100
93	MP3B	X	-0.68	-0.68	0	%100
94	MP3B	Z	-0.393	-0.393	0	%100
95	MP4B	X	-0.562	-0.562	0	%100
96	MP4B	Z	-0.324	-0.324	0	%100
97	MP2B	X	-0.68	-0.68	0	%100
98	MP2B	Z	-0.393	-0.393	0	%100
99	M100	X	-0.17	-0.17	0	%100
100	M100	Z	-0.098	-0.098	0	%100
101	M105	X	-0.17	-0.17	0	%100
102	M105	Z	-0.098	-0.098	0	%100
103	M110	X	-0.68	-0.68	0	%100
104	M110	Z	-0.393	-0.393	0	%100
105	M124	X	-0.989	-0.989	0	%100
106	M124	Z	-0.571	-0.571	0	%100
107	M125	X	-0.989	-0.989	0	%100
108	M125	Z	-0.571	-0.571	0	%100
109	M126	X	-0.62	-0.62	0	%100
110	M126	Z	-0.358	-0.358	0	%100
111	M121	X	-0.68	-0.68	0	%100
112	M121	Z	-0.393	-0.393	0	%100
113	MP1C	X	-0.68	-0.68	0	%100
114	MP1C	Z	-0.393	-0.393	0	%100
115	M130	X	-0.68	-0.68	0	%100
116	M130	Z	-0.393	-0.393	0	%100
117	MP1B	X	-0.68	-0.68	0	%100
118	MP1B	Z	-0.393	-0.393	0	%100
119	M136	X	-0.68	-0.68	0	%100
120	M136	Z	-0.393	-0.393	0	%100
121	M135	X	-0.222	-0.222	0	%100
122	M135	Z	-0.128	-0.128	0	%100
123	M139	X	-0.222	-0.222	0	%100
124	M139	Z	-0.128	-0.128	0	%100
125	M140	X	-0.89	-0.89	0	%100
126	M140	Z	-0.514	-0.514	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M1	X	-0.313	-0.313	0	%100
2	M1	Z	-0.542	-0.542	0	%100
3	M4	X	-0.121	-0.121	0	%100
4	M4	Z	-0.21	-0.21	0	%100
5	M10	X	-0.308	-0.308	0	%100
6	M10	Z	-0.534	-0.534	0	%100
7	MP3A	X	-0.393	-0.393	0	%100
8	MP3A	Z	-0.68	-0.68	0	%100
9	MP4A	X	-0.324	-0.324	0	%100
10	MP4A	Z	-0.562	-0.562	0	%100
11	MP2A	X	-0.393	-0.393	0	%100
12	MP2A	Z	-0.68	-0.68	0	%100
13	MP1A	X	-0.393	-0.393	0	%100
14	MP1A	Z	-0.68	-0.68	0	%100
15	M43	X	-0.308	-0.308	0	%100
16	M43	Z	-0.534	-0.534	0	%100
17	M46	X	-0.615	-0.615	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
18	M46	Z	-1.065	-1.065	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-0.341	-0.341	0	%100
22	M52B	Z	-0.591	-0.591	0	%100
23	M76	X	-0.205	-0.205	0	%100
24	M76	Z	-0.355	-0.355	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-0.205	-0.205	0	%100
30	M84	Z	-0.355	-0.355	0	%100
31	M85	X	-0.626	-0.626	0	%100
32	M85	Z	-1.085	-1.085	0	%100
33	M91	X	-0.66	-0.66	0	%100
34	M91	Z	-1.142	-1.142	0	%100
35	M34	X	-0.486	-0.486	0	%100
36	M34	Z	-0.841	-0.841	0	%100
37	M35	X	0	0	0	%100
38	M35	Z	0	0	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	0	0	0	%100
41	M37	X	0	0	0	%100
42	M37	Z	0	0	0	%100
43	M40	X	-0.341	-0.341	0	%100
44	M40	Z	-0.591	-0.591	0	%100
45	M41	X	-0.341	-0.341	0	%100
46	M41	Z	-0.591	-0.591	0	%100
47	M45	X	-0.82	-0.82	0	%100
48	M45	Z	-1.42	-1.42	0	%100
49	M46A	X	-0.626	-0.626	0	%100
50	M46A	Z	-1.085	-1.085	0	%100
51	M48	X	-0.66	-0.66	0	%100
52	M48	Z	-1.142	-1.142	0	%100
53	M50A	X	-0.82	-0.82	0	%100
54	M50A	Z	-1.42	-1.42	0	%100
55	M51C	X	-0.626	-0.626	0	%100
56	M51C	Z	-1.085	-1.085	0	%100
57	M53	X	-0.66	-0.66	0	%100
58	M53	Z	-1.142	-1.142	0	%100
59	M58A	X	-0.121	-0.121	0	%100
60	M58A	Z	-0.21	-0.21	0	%100
61	M59A	X	-0.308	-0.308	0	%100
62	M59A	Z	-0.534	-0.534	0	%100
63	M60	X	-0.308	-0.308	0	%100
64	M60	Z	-0.534	-0.534	0	%100
65	M61	X	-0.615	-0.615	0	%100
66	M61	Z	-1.065	-1.065	0	%100
67	M64	X	-0.341	-0.341	0	%100
68	M64	Z	-0.591	-0.591	0	%100
69	M65	X	0	0	0	%100
70	M65	Z	0	0	0	%100
71	M69	X	-0.205	-0.205	0	%100
72	M69	Z	-0.355	-0.355	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
73	M70	X	-0.626	-0.626	0	%100
74	M70	Z	-1.085	-1.085	0	%100
75	M72	X	-0.66	-0.66	0	%100
76	M72	Z	-1.142	-1.142	0	%100
77	M74	X	-0.205	-0.205	0	%100
78	M74	Z	-0.355	-0.355	0	%100
79	M75	X	0	0	0	%100
80	M75	Z	0	0	0	%100
81	M77A	X	0	0	0	%100
82	M77A	Z	0	0	0	%100
83	M82	X	0	0	0	%100
84	M82	Z	0	0	0	%100
85	MP3C	X	-0.393	-0.393	0	%100
86	MP3C	Z	-0.68	-0.68	0	%100
87	MP4C	X	-0.324	-0.324	0	%100
88	MP4C	Z	-0.562	-0.562	0	%100
89	MP2C	X	-0.393	-0.393	0	%100
90	MP2C	Z	-0.68	-0.68	0	%100
91	M91A	X	-0.313	-0.313	0	%100
92	M91A	Z	-0.542	-0.542	0	%100
93	MP3B	X	-0.393	-0.393	0	%100
94	MP3B	Z	-0.68	-0.68	0	%100
95	MP4B	X	-0.324	-0.324	0	%100
96	MP4B	Z	-0.562	-0.562	0	%100
97	MP2B	X	-0.393	-0.393	0	%100
98	MP2B	Z	-0.68	-0.68	0	%100
99	M100	X	-0.295	-0.295	0	%100
100	M100	Z	-0.51	-0.51	0	%100
101	M105	X	0	0	0	%100
102	M105	Z	0	0	0	%100
103	M110	X	-0.295	-0.295	0	%100
104	M110	Z	-0.51	-0.51	0	%100
105	M124	X	-0.429	-0.429	0	%100
106	M124	Z	-0.743	-0.743	0	%100
107	M125	X	-0.642	-0.642	0	%100
108	M125	Z	-1.113	-1.113	0	%100
109	M126	X	-0.429	-0.429	0	%100
110	M126	Z	-0.743	-0.743	0	%100
111	M121	X	-0.393	-0.393	0	%100
112	M121	Z	-0.68	-0.68	0	%100
113	MP1C	X	-0.393	-0.393	0	%100
114	MP1C	Z	-0.68	-0.68	0	%100
115	M130	X	-0.393	-0.393	0	%100
116	M130	Z	-0.68	-0.68	0	%100
117	MP1B	X	-0.393	-0.393	0	%100
118	MP1B	Z	-0.68	-0.68	0	%100
119	M136	X	-0.393	-0.393	0	%100
120	M136	Z	-0.68	-0.68	0	%100
121	M135	X	0	0	0	%100
122	M135	Z	0	0	0	%100
123	M139	X	-0.385	-0.385	0	%100
124	M139	Z	-0.667	-0.667	0	%100
125	M140	X	-0.385	-0.385	0	%100
126	M140	Z	-0.667	-0.667	0	%100

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M40	Y	-1.661	-4.228	0	0.832
2	M40	Y	-4.228	-6.902	0.832	1.665
3	M40	Y	-6.902	-8.189	1.665	2.497
4	M40	Y	-8.189	-6.545	2.497	3.329
5	M40	Y	-6.545	-3.463	3.329	4.162
6	M41	Y	-3.462	-6.573	0	0.832
7	M41	Y	-6.573	-8.26	0.832	1.665
8	M41	Y	-8.26	-7.044	1.665	2.497
9	M41	Y	-7.044	-4.426	2.497	3.329
10	M41	Y	-4.426	-1.884	3.329	4.162
11	M64	Y	-1.879	-4.428	0	0.832
12	M64	Y	-4.428	-7.041	0.832	1.665
13	M64	Y	-7.041	-8.256	1.665	2.497
14	M64	Y	-8.256	-6.578	2.497	3.329
15	M64	Y	-6.578	-3.47	3.329	4.162
16	M65	Y	-3.463	-6.545	0	0.832
17	M65	Y	-6.545	-8.189	0.832	1.665
18	M65	Y	-8.189	-6.9	1.665	2.497
19	M65	Y	-6.9	-4.227	2.497	3.329
20	M65	Y	-4.227	-1.666	3.329	4.162
21	M51B	Y	-1.661	-4.228	0	0.832
22	M51B	Y	-4.228	-6.902	0.832	1.665
23	M51B	Y	-6.902	-8.189	1.665	2.497
24	M51B	Y	-8.189	-6.545	2.497	3.329
25	M51B	Y	-6.545	-3.463	3.329	4.162
26	M52B	Y	-3.462	-6.573	0	0.832
27	M52B	Y	-6.573	-8.26	0.832	1.665
28	M52B	Y	-8.26	-7.044	1.665	2.497
29	M52B	Y	-7.044	-4.426	2.497	3.329
30	M52B	Y	-4.426	-1.884	3.329	4.162

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M40	Y	-3.234	-8.23	0	0.832
2	M40	Y	-8.23	-13.434	0.832	1.665
3	M40	Y	-13.434	-15.938	1.665	2.497
4	M40	Y	-15.938	-12.738	2.497	3.329
5	M40	Y	-12.738	-6.74	3.329	4.162
6	M41	Y	-6.738	-12.794	0	0.832
7	M41	Y	-12.794	-16.077	0.832	1.665
8	M41	Y	-16.077	-13.711	1.665	2.497
9	M41	Y	-13.711	-8.615	2.497	3.329
10	M41	Y	-8.615	-3.668	3.329	4.162
11	M64	Y	-3.658	-8.618	0	0.832
12	M64	Y	-8.618	-13.705	0.832	1.665
13	M64	Y	-13.705	-16.069	1.665	2.497
14	M64	Y	-16.069	-12.803	2.497	3.329
15	M64	Y	-12.803	-6.753	3.329	4.162
16	M65	Y	-6.74	-12.738	0	0.832
17	M65	Y	-12.738	-15.939	0.832	1.665
18	M65	Y	-15.939	-13.43	1.665	2.497
19	M65	Y	-13.43	-8.227	2.497	3.329
20	M65	Y	-8.227	-3.242	3.329	4.162
21	M51B	Y	-3.234	-8.23	0	0.832

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
22	M51B	Y	-8.23	-13.434	0.832	1.665
23	M51B	Y	-13.434	-15.938	1.665	2.497
24	M51B	Y	-15.938	-12.738	2.497	3.329
25	M51B	Y	-12.738	-6.74	3.329	4.162
26	M52B	Y	-6.738	-12.794	0	0.832
27	M52B	Y	-12.794	-16.077	0.832	1.665
28	M52B	Y	-16.077	-13.711	1.665	2.497
29	M52B	Y	-13.711	-8.615	2.497	3.329
30	M52B	Y	-8.615	-3.668	3.329	4.162

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M40	Y	-0.069	-0.175	0	0.832
2	M40	Y	-0.175	-0.285	0.832	1.665
3	M40	Y	-0.285	-0.339	1.665	2.497
4	M40	Y	-0.339	-0.271	2.497	3.329
5	M40	Y	-0.271	-0.143	3.329	4.162
6	M41	Y	-0.143	-0.272	0	0.832
7	M41	Y	-0.272	-0.342	0.832	1.665
8	M41	Y	-0.342	-0.291	1.665	2.497
9	M41	Y	-0.291	-0.183	2.497	3.329
10	M41	Y	-0.183	-0.078	3.329	4.162
11	M64	Y	-0.078	-0.183	0	0.832
12	M64	Y	-0.183	-0.291	0.832	1.665
13	M64	Y	-0.291	-0.341	1.665	2.497
14	M64	Y	-0.341	-0.272	2.497	3.329
15	M64	Y	-0.272	-0.143	3.329	4.162
16	M65	Y	-0.143	-0.271	0	0.832
17	M65	Y	-0.271	-0.339	0.832	1.665
18	M65	Y	-0.339	-0.285	1.665	2.497
19	M65	Y	-0.285	-0.175	2.497	3.329
20	M65	Y	-0.175	-0.069	3.329	4.162
21	M51B	Y	-0.069	-0.175	0	0.832
22	M51B	Y	-0.175	-0.285	0.832	1.665
23	M51B	Y	-0.285	-0.339	1.665	2.497
24	M51B	Y	-0.339	-0.271	2.497	3.329
25	M51B	Y	-0.271	-0.143	3.329	4.162
26	M52B	Y	-0.143	-0.272	0	0.832
27	M52B	Y	-0.272	-0.342	0.832	1.665
28	M52B	Y	-0.342	-0.291	1.665	2.497
29	M52B	Y	-0.291	-0.183	2.497	3.329
30	M52B	Y	-0.183	-0.078	3.329	4.162

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M40	Z	-0.172	-0.437	0	0.832
2	M40	Z	-0.437	-0.714	0.832	1.665
3	M40	Z	-0.714	-0.847	1.665	2.497
4	M40	Z	-0.847	-0.677	2.497	3.329
5	M40	Z	-0.677	-0.358	3.329	4.162
6	M41	Z	-0.358	-0.68	0	0.832
7	M41	Z	-0.68	-0.855	0.832	1.665
8	M41	Z	-0.855	-0.729	1.665	2.497

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
9	M41	Z	-0.729	-0.458	2.497	3.329
10	M41	Z	-0.458	-0.195	3.329	4.162
11	M64	Z	-0.194	-0.458	0	0.832
12	M64	Z	-0.458	-0.729	0.832	1.665
13	M64	Z	-0.729	-0.854	1.665	2.497
14	M64	Z	-0.854	-0.681	2.497	3.329
15	M64	Z	-0.681	-0.359	3.329	4.162
16	M65	Z	-0.358	-0.677	0	0.832
17	M65	Z	-0.677	-0.847	0.832	1.665
18	M65	Z	-0.847	-0.714	1.665	2.497
19	M65	Z	-0.714	-0.437	2.497	3.329
20	M65	Z	-0.437	-0.172	3.329	4.162
21	M51B	Z	-0.172	-0.437	0	0.832
22	M51B	Z	-0.437	-0.714	0.832	1.665
23	M51B	Z	-0.714	-0.847	1.665	2.497
24	M51B	Z	-0.847	-0.677	2.497	3.329
25	M51B	Z	-0.677	-0.358	3.329	4.162
26	M52B	Z	-0.358	-0.68	0	0.832
27	M52B	Z	-0.68	-0.855	0.832	1.665
28	M52B	Z	-0.855	-0.729	1.665	2.497
29	M52B	Z	-0.729	-0.458	2.497	3.329
30	M52B	Z	-0.458	-0.195	3.329	4.162

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

	Member Label	Direction	Start Magnitude [lb/ft, F, ksf, k-ft/ft]	End Magnitude [lb/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M40	X	0.172	0.437	0	0.832
2	M40	X	0.437	0.714	0.832	1.665
3	M40	X	0.714	0.847	1.665	2.497
4	M40	X	0.847	0.677	2.497	3.329
5	M40	X	0.677	0.358	3.329	4.162
6	M41	X	0.358	0.68	0	0.832
7	M41	X	0.68	0.855	0.832	1.665
8	M41	X	0.855	0.729	1.665	2.497
9	M41	X	0.729	0.458	2.497	3.329
10	M41	X	0.458	0.195	3.329	4.162
11	M64	X	0.194	0.458	0	0.832
12	M64	X	0.458	0.729	0.832	1.665
13	M64	X	0.729	0.854	1.665	2.497
14	M64	X	0.854	0.681	2.497	3.329
15	M64	X	0.681	0.359	3.329	4.162
16	M65	X	0.358	0.677	0	0.832
17	M65	X	0.677	0.847	0.832	1.665
18	M65	X	0.847	0.714	1.665	2.497
19	M65	X	0.714	0.437	2.497	3.329
20	M65	X	0.437	0.172	3.329	4.162
21	M51B	X	0.172	0.437	0	0.832
22	M51B	X	0.437	0.714	0.832	1.665
23	M51B	X	0.714	0.847	1.665	2.497
24	M51B	X	0.847	0.677	2.497	3.329
25	M51B	X	0.677	0.358	3.329	4.162
26	M52B	X	0.358	0.68	0	0.832
27	M52B	X	0.68	0.855	0.832	1.665
28	M52B	X	0.855	0.729	1.665	2.497
29	M52B	X	0.729	0.458	2.497	3.329
30	M52B	X	0.458	0.195	3.329	4.162

Member Area Loads (BLC 39 : Structure D)

	Node A	Node B	Node C	Node D	Direction	Load Direction	Magnitude [ksf]
1	N79	N77	N54	N55	Y	Two Way	-0.005
2	N83	N84	N108	N106	Y	Two Way	-0.005
3	N6	N7	N87B	N87C	Y	Two Way	-0.005

Member Area Loads (BLC 40 : Structure Di)

	Node A	Node B	Node C	Node D	Direction	Load Direction	Magnitude [ksf]
1	N79	N77	N54	N55	Y	Two Way	-0.01
2	N83	N84	N108	N106	Y	Two Way	-0.01
3	N6	N7	N87B	N87C	Y	Two Way	-0.01

Member Area Loads (BLC 84 : Structure Ev)

	Node A	Node B	Node C	Node D	Direction	Load Direction	Magnitude [ksf]
1	N79	N77	N54	N55	Y	Two Way	-0.000215
2	N83	N84	N108	N106	Y	Two Way	-0.000215
3	N6	N7	N87B	N87C	Y	Two Way	-0.000215

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

	Node A	Node B	Node C	Node D	Direction	Load Direction	Magnitude [ksf]
1	N79	N77	N54	N55	Z	Two Way	-0.000538
2	N83	N84	N108	N106	Z	Two Way	-0.000538
3	N6	N7	N87B	N87C	Z	Two Way	-0.000538

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

	Node A	Node B	Node C	Node D	Direction	Load Direction	Magnitude [ksf]
1	N79	N77	N54	N55	X	Two Way	0.000538
2	N83	N84	N108	N106	X	Two Way	0.000538
3	N6	N7	N87B	N87C	X	Two Way	0.000538

Envelope Node Reactions

	Node Label		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N3	max	855.151	10	630.813	7	8170.223	1	0.752	7	2.146	4	0.678	10
2		min	-856.952	4	-86.394	1	-5687.061	7	-0.134	1	-2.095	10	-0.614	4
3	N52	max	6790.38	9	608.097	40	2549.56	3	0.511	7	2.145	12	0.222	11
4		min	-4641.57	3	-9.243	10	-3783.103	9	-0.948	37	-2.09	6	-0.758	5
5	N81	max	4760.719	11	455.804	48	2946.42	11	0.522	8	1.976	8	0.592	10
6		min	-6978.125	5	34.266	6	-4195.659	5	-0.885	2	-1.973	2	-0.189	4
7	N183A	max	62.466	10	3141.439	1	1890.142	7	0	75	0.001	4	0.001	10
8		min	-62.132	4	-1278.817	7	-4578.585	1	0	1	-0.001	10	-0.001	4
9	N186	max	1446.085	3	2967.421	9	2161.356	9	0.001	6	0.001	12	0.001	12
10		min	-3741.432	9	-1129.575	3	-834.358	3	-0.001	12	-0.001	6	-0.001	6
11	N189	max	3861.205	5	3059.984	5	2228.136	5	0.001	8	0.001	8	0.001	8
12		min	-1499.837	11	-1171.903	11	-866.376	11	-0.001	2	-0.001	2	-0.001	2
13	Totals:	max	6571.517	10	7129.899	24	6571.419	1						
14		min	-6571.517	4	2560.602	69	-6571.421	7						

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-y [k-ft]	phi*Mn z-z [k-ft]	Cb	Eqn
1	M1	PIPE_3.0	0.334	11.979	10	0.075	7.943		4	28250.554	65205	5.749	5.749	1	H1-1b
2	M4	HSS4X4X4	0.159	4.431	1	0.089	4.485	y	11	124657.752	139518	16.181	16.181	1.99	H1-1b
3	M10	HSS4X4X4	0.103	2.375	1	0.049	0.223	z	1	136263.03	139518	16.181	16.181	1.583	H1-1b
4	MP3A	PIPE_2.5	0.469	7.406	10	0.083	7.406		8	26137.193	50715	3.596	3.596	1	H1-1b
5	MP4A	PIPE_2.0	0.545	5.396	10	0.141	1.167		11	17855.085	32130	1.872	1.872	1	H1-1b
6	MP2A	PIPE_2.5	0.51	7.406	4	0.072	4.406		9	26137.193	50715	3.596	3.596	1	H1-1b
7	MP1A	PIPE_2.5	0.228	5.344	1	0.121	5.344		9	26137.193	50715	3.596	3.596	1	H1-1b
8	M43	HSS4X4X4	0.09	0	12	0.057	2.152	z	1	136263.03	139518	16.181	16.181	1.632	H1-1b
9	M46	PL1/2X6	0.358	0.516	12	0.243	0.516	y	11	66009.234	97200	1.012	12.15	1.3	H1-1b
10	M51B	L2X2X4	0.172	0	2	0.009	4.162	y	22	12728.563	30585.6	0.691	1.532	1.5	H2-1
11	M52B	L2X2X4	0.177	4.162	12	0.012	4.162	y	21	12728.563	30585.6	0.691	1.521	1.436	H2-1
12	M76	PL3/8X6	0.38	0	8	0.099	0	y	7	70647.064	72900	0.57	9.113	1.224	H1-1b
13	M77	PL3/8X6	0.385	0.167	8	0.104	0	y	12	71583.569	72900	0.57	9.113	1.088	H1-1b
14	M80	PL1/2X6	0.099	0.112	1	0.328	0	y	12	96757.507	97200	1.012	12.15	2.16	H1-1b
15	M84	PL3/8X6	0.441	0	6	0.344	0	y	8	70647.064	72900	0.57	9.113	1.091	H1-1b
16	M85	PL3/8X6	0.385	0.167	7	0.131	0	y	23	71583.569	72900	0.57	9.113	1.035	H1-1b
17	M91	PL1/2X6	0.104	0.112	12	0.277	0	y	2	96757.507	97200	1.012	12.15	1.189	H1-1b
18	M34	HSS4X4X4	0.158	0	6	0.082	4.485	y	11	124657.752	139518	16.181	16.181	2.227	H1-1b
19	M35	HSS4X4X4	0.114	2.375	9	0.045	0.223	z	10	136263.03	139518	16.181	16.181	1.558	H1-1b
20	M36	HSS4X4X4	0.09	0	8	0.058	2.152	z	9	136263.03	139518	16.181	16.181	1.645	H1-1b
21	M37	PL1/2X6	0.348	0.516	10	0.244	0.516	y	7	66009.234	97200	1.012	12.15	1.28	H1-1b
22	M40	L2X2X4	0.178	0	10	0.009	4.162	y	18	12728.563	30585.6	0.691	1.532	1.5	H2-1
23	M41	L2X2X4	0.167	4.162	8	0.012	4.162	y	17	12728.563	30585.6	0.691	1.521	1.436	H2-1
24	M45	PL3/8X6	0.403	0	4	0.123	0	y	42	70647.064	72900	0.57	9.113	1.082	H1-1b
25	M46A	PL3/8X6	0.39	0.167	4	0.125	0	y	8	71583.569	72900	0.57	9.113	1.04	H1-1b
26	M48	PL1/2X6	0.096	0.112	9	0.291	0	y	8	96757.507	97200	1.012	12.15	1.947	H1-1b
27	M50A	PL3/8X6	0.412	0	2	0.396	0	y	4	70647.064	72900	0.57	9.113	1.077	H1-1b
28	M51C	PL3/8X6	0.371	0.167	3	0.194	0	y	44	71583.569	72900	0.57	9.113	1.026	H1-1b
29	M53	PL1/2X6	0.098	0.112	9	0.283	0	y	10	96757.507	97200	1.012	12.15	1.269	H1-1b
30	M58A	HSS4X4X4	0.16	4.431	5	0.082	5.133	y	27	124657.752	139518	16.181	16.181	1.978	H1-1b
31	M59A	HSS4X4X4	0.125	2.375	5	0.047	0.223	z	5	136263.03	139518	16.181	16.181	1.555	H1-1b
32	M60	HSS4X4X4	0.099	0	4	0.056	2.152	z	5	136263.03	139518	16.181	16.181	1.608	H1-1b
33	M61	PL1/2X6	0.361	0.516	12	0.231	0.516	y	3	66009.234	97200	1.012	12.15	1.492	H1-1b
34	M64	L2X2X4	0.179	0	6	0.009	4.162	y	14	12728.563	30585.6	0.691	1.521	1.436	H2-1
35	M65	L2X2X4	0.173	4.162	4	0.011	4.162	y	13	12728.563	30585.6	0.691	1.532	1.5	H2-1
36	M69	PL3/8X6	0.451	0	12	0.112	0	y	39	70647.064	72900	0.57	9.113	1.059	H1-1b
37	M70	PL3/8X6	0.409	0.167	12	0.142	0	y	4	71583.569	72900	0.57	9.113	1.057	H1-1b
38	M72	PL1/2X6	0.104	0.112	5	0.295	0	y	4	96757.507	97200	1.012	12.15	1.771	H1-1b
39	M74	PL3/8X6	0.447	0	10	0.274	0	y	12	70647.064	72900	0.57	9.113	1.014	H1-1b
40	M75	PL3/8X6	0.382	0.167	11	0.122	0	y	17	71583.569	72900	0.57	9.064	1.001	H1-1b
41	M77A	PL1/2X6	0.1	0.112	5	0.277	0	y	6	96757.507	97200	1.012	12.15	1.498	H1-1b
42	M82	PIPE_3.0	0.341	0.651	6	0.073	0.651		11	28250.554	65205	5.749	5.749	1	H1-1b
43	MP3C	PIPE_2.5	0.531	7.406	6	0.093	7.406		4	26137.193	50715	3.596	3.596	1	H1-1b
44	MP4C	PIPE_2.0	0.465	5.396	6	0.121	0.438		8	17855.085	32130	1.872	1.872	1	H1-1b
45	MP2C	PIPE_2.5	0.549	7.406	6	0.087	4.406		6	26137.193	50715	3.596	3.596	1	H1-1b
46	M91A	PIPE_3.0	0.325	0.651	8	0.072	0.651		7	28250.554	65205	5.749	5.749	1	H1-1b
47	MP3B	PIPE_2.5	0.458	7.406	2	0.097	7.406		6	26137.193	50715	3.596	3.596	1	H1-1b
48	MP4B	PIPE_2.0	0.516	5.396	2	0.151	0.438		10	17855.085	32130	1.872	1.872	1	H1-1b
49	MP2B	PIPE_2.5	0.491	7.406	8	0.074	4.406		1	26137.193	50715	3.596	3.596	1	H1-1b
50	M100	PIPE_2.5	0.438	2.083	7	0.116	2.083		6	14558.792	50715	3.596	3.596	1	H1-1b
51	M105	PIPE_2.5	0.4	2.083	4	0.108	2.083		8	14558.792	50715	3.596	3.596	1	H1-1b
52	M110	PIPE_2.5	0.409	2.083	12	0.112	2.083		10	14558.792	50715	3.596	3.596	1	H1-1b
53	M124	LL3X3X3X6	0.121	0	1	0.009	5.356	z	10	46303.111	70632	6.362	3.751	1	H1-1b*
54	M125	LL3X3X3X6	0.114	0	9	0.009	5.356	z	6	46303.111	70632	6.362	3.751	1	H1-1b*
55	M126	LL3X3X3X6	0.117	0	5	0.009	5.356	z	2	46303.111	70632	6.362	3.751	1	H1-1b*

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-y [k-ft]	phi*Mn z-z [k-ft]	Cb	Eqn
56	M121	PIPE_2.5	0.461	7.406	4	0.244	7.406		11	26137.193	50715	3.596	3.596	1	H1-1b
57	MP1C	PIPE_2.5	0.223	5.344	4	0.121	5.344		1	26137.193	50715	3.596	3.596	1	H1-1b
58	M130	PIPE_2.5	0.464	7.406	6	0.237	7.406		6	26137.193	50715	3.596	3.596	1	H1-1b
59	MP1B	PIPE_2.5	0.223	5.344	11	0.121	5.344		3	26137.193	50715	3.596	3.596	1	H1-1b
60	M136	PIPE_2.5	0.446	7.406	8	0.233	7.406		2	26137.193	50715	3.596	3.596	1	H1-1b
61	M135	L3X3X4	0.896	2.532	12	0.065	2.532	y	12	40479.011	46656	1.688	3.756	1.5	H2-1
62	M139	L3X3X4	0.893	2.532	4	0.065	2.532	y	4	40479.011	46656	1.688	3.756	1.5	H2-1
63	M140	L3X3X4	0.861	2.532	7	0.072	0	y	7	40479.011	46656	1.688	3.756	1.5	H2-1

VzW SMART Tool© Vendor

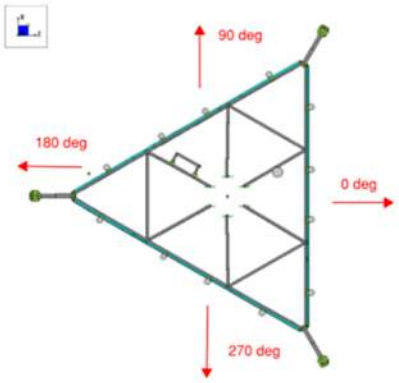
Client:	Verizon Wireless	Date:	11/2/2023
Site Name:	WATERFORD SE CT		
MDG #:	5000094194		
Fuze ID #:	16067742	Page:	1

Version 1.01

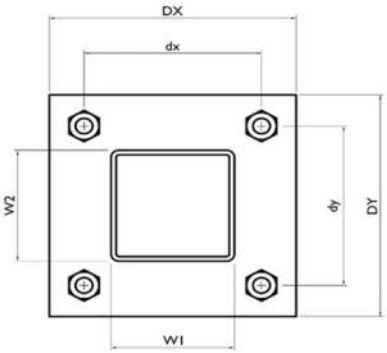
I. Mount-to-Tower Connection Check

Custom Orientation Required	Yes

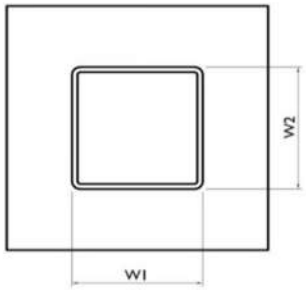
Nodes (labeled per Risa)	Orientation (per graphic of typical platform)
N81	60
N3	180
N52	300



Tower Connection Bolt Checks	Yes
Bolt Orientation	Parallel
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	6
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	6
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength / bolt (kips):	2.7
Required Shear Strength / bolt (kips):	0.8
Tensile Capacity / bolt (kips):	20.7
Shear Capacity / bolt (kips):	12.4
Bolt Overall Utilization:	**13.2%**



Tower Connection Baseplate Checks	Yes
Connecting Standoff Member Shape:	Rect Tube
Weld Stiffener Configuration:	No Stiffeners
Plate Width, D_x (in):	8
Plate Height, D_y (in):	8
W1(in):	4
W2 (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):	5.85
Bolt Eccentricity, e (in):	1.65
M_u (kip-in):	4.51
Phi*M_n (kip-in):	26.65
Plate Bending Utilization:	**16.9%**



VzW SMART Tool© Vendor

Client:	Verizon Wireless	Date:	11/2/2023
Site Name:	WATERFORD SE CT		
PSLC #:	5000094194		
Fuze ID #:	16067742	Page:	2

Version 1.01

Tower Connection Weld Checks	Yes
Weld Shape:	Rectangle
Weld Stiffener Configuration:	None
Weld Size (1/16 in):	6
W1 (in):	4
W2 (in):	4
Weld Total Length (in):	16.00
Z_x (in^3/in):	21.33
Z_y (in^3/in):	21.33
J_p (in^4/in):	85.33
c_x (in)	2.25
c_y (in)	2.25
Required combined strength (kip/in):	1.04
Weld Capacity (kip/in):	8.35
Weld Utilization:	**12.4%**

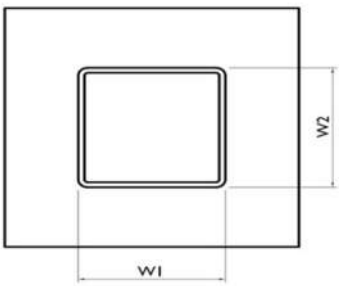


EXHIBIT 5

Non-Ionizing Electromagnetic Radiation (NIER) Study

Site Number:

310972

Site Name:

Waterford Rebuild CT

Location:

Waterford, Connecticut

Tenants:

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

Prepared For:

American Tower, Inc.
Woburn, Massachusetts

January 22nd, 2024

100566 P-404978

Prepared By:

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

Approved By:

01/22/2024

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RALIEGH, NORTH CAROLINA

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Non-Ionizing Electromagnetic Radiation (NIER) Study

310972 Waterford Rebuild CT
Waterford, 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 310972 Waterford Rebuild CT is located at 15 Minor Ln., in Waterford, Connecticut at coordinates 41.329046, -72.124607. The support structure is a 180' monopole. An aerial view of the tower can be found in Appendix 1, Site Photos. The tenants are 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 100' from the base of the tower with a height of 6' above ground level was used, beyond 100' the MPE levels become *di minimus*. This study utilized FCC recognized and accepted software programs using the maximum ERP levels for the antenna models provided by ATC. Diagrams depicting the predicted spatial average power density level at any specific location may be found in Appendix 3, MPE Limit Study. A discussion regarding the FCC limits may be found in Appendix 4, Information Pertaining to MPE Studies. Study methodology describing Non-ionizing Radiation Prediction Models used in this study may be found in Appendix 5, MPE Standards Methodology.

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 310972 WATERFORD REBUILD CT.RF NIER Study 8/5/23.
- 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.

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APPENDIX 1 Site Photos

Aerial View of Site

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Appendix 2.1 Antenna Inventory

301972 Waterford Rebuild CT							
Antenna Inventory							
Antenna #	Carrier	Antenna Manufacturer	Antenna Model	Frequency Band (MHz)	Azmiuth (°)	Effective Radiated Power (W)	Radiation Center (ft)
1	Dish	JMA	MX08FRO665-21	600/1900/2100	000	48332	177
2	Dish	JMA	MX08FRO665-21	600/1900/2100	120	48332	177
3	Dish	JMA	MX08FRO665-21	600/1900/2100	240	48332	177
4	Verizon	Commscope	HBXX-6517DS	1900/2100	275	35085	164.9
5	Verizon	Commscope	HBXX-6517DS	1900/2100	277	35085	164.9
6	Verizon	Commscope	HBXX-6517DS	1900/2100	149	35085	164.9
7	Verizon	Commscope	HBXX-6517DS	1900/2100	152	35085	164.9
8	Verizon	Commscope	HBXX-6517DS	1900/2100	033	35085	164.9
9	Verizon	Commscope	HBXX-6517DS	1900/2100	034	35085	164.9
10	Verizon	Antel	QUAD656C0000X	700	153	8589	164.1
11	Verizon	Antel	QUAD656C0000X	700	35	8589	164.1
12	Verizon	Antel	QUAD656C0000X	700	275	8589	164.1
13	Verizon	Generic	Generic	Unknown	039	35085	161.6
14	Verizon	Generic	Generic	Unknown	159	35085	161.6
15	Verizon	Generic	Generic	Unknown	278	35085	161.6
16	Verizon	Samsung	MT6407-77A	700/800	000	1219	160
17	Verizon	Samsung	MT6407-77A	700/800	150	1219	160
18	Verizon	Samsung	MT6407-77A	700/800	270	1219	160
19	Verizon	Commscope	JAHH-65B-R3B	700/800/1900/2100	000	32168	160
20	Verizon	Commscope	JAHH-65B-R3B	700/800/1900/2100	150	32168	160
21	Verizon	Commscope	JAHH-65B-R3B	700/800/1900/2100	270	32168	160
22	Verizon	Commscope	JAHH-65B-R3B	700/800/1900/2100	000	32168	160
23	Verizon	Commscope	JAHH-65B-R3B	700/800/1900/2100	150	32168	160
24	Verizon	Commscope	JAHH-65B-R3B	700/800/1900/2100	270	32168	160

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Appendix 2.2 Antenna Inventory

310972 Waterford Rebuild CT							
Antenna Inventory							
Antenna #	Carrier	Antenna Manufacturer	Antenna Model	Frequency Band (MHz)	Azmiuth (°)	Effective Radiated Power (W)	Radiation Center (ft)
25	AT&T	Ericsson	Air 6449	3700/3800/3900	028	70000	155
26	AT&T	Ericsson	Air 6449	3700/3800/3900	144	70000	155
27	AT&T	Ericsson	Air 6449	3700/3800/3900	244	70000	155
28	AT&T	Quintel	QD6616-7	1900/2100	028	21545	153
29	AT&T	Quintel	QD6616-7	1900/2100	144	21545	153
30	AT&T	Quintel	QD6616-7	1900/2100	244	21545	153
31	AT&T	Scala	80010965	700/2100	028	10917	153
32	AT&T	Scala	80010965	700/2100	144	10917	153
33	AT&T	Scala	80010965	700/2100	244	10917	153
34	AT&T	Ericsson	Air 6419	3700/3800/3900	028	24400	151
35	AT&T	Ericsson	Air 6419	3700/3800/3900	144	24400	151
36	AT&T	Ericsson	Air 6419	3700/3800/3900	244	24400	151
37	T-Mobile	Ericsson	Air 6449	2500/2600	060	20136	130
38	T-Mobile	Ericsson	Air 6449	2500/2600	190	20136	130
39	T-Mobile	Ericsson	Air 6449	2500/2600	300	20136	130
40	T-Mobile	RFS	APX16DWV	600/700/1900/2100	060	106517	130
41	T-Mobile	RFS	APX16DWV	600/700/1900/2100	190	106517	130
42	T-Mobile	RFS	APX16DWV	600/700/1900/2100	300	6839	130
43	T-Mobile	RFS	APXVAARR24	2100	060	10543	130
44	T-Mobile	RFS	APXVAARR24	2100	190	10543	130
45	T-Mobile	RFS	APXVAARR24	2100	300	10543	130

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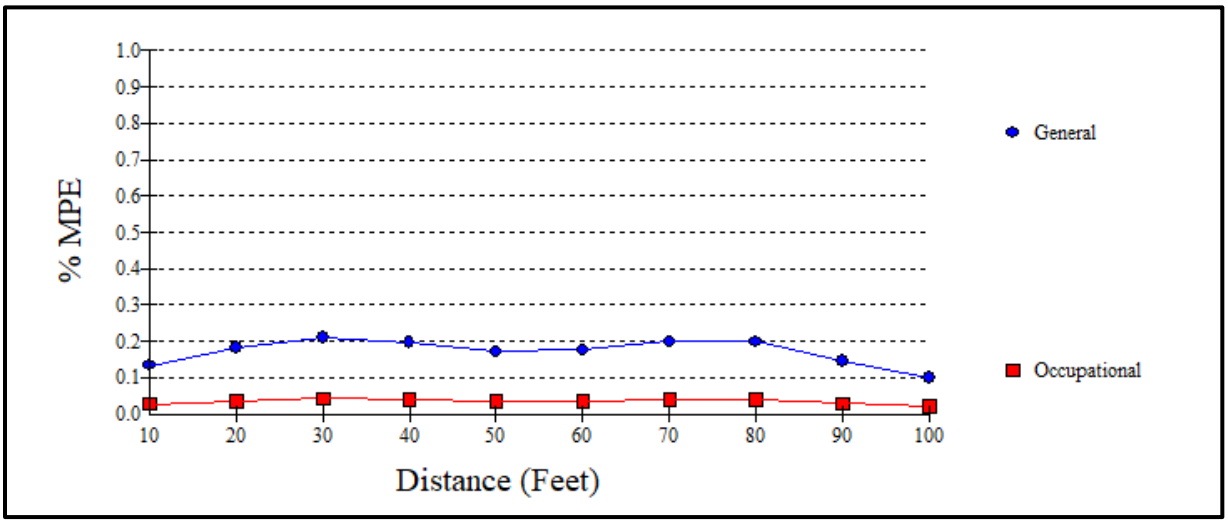
Appendix 3.1 MPE Limit Study



Maximum Power Density (@30'):	0.0013 mW/cm²
General Population MPE (@30'):	0.2113%
Occupational MPE (@30'):	0.0423%

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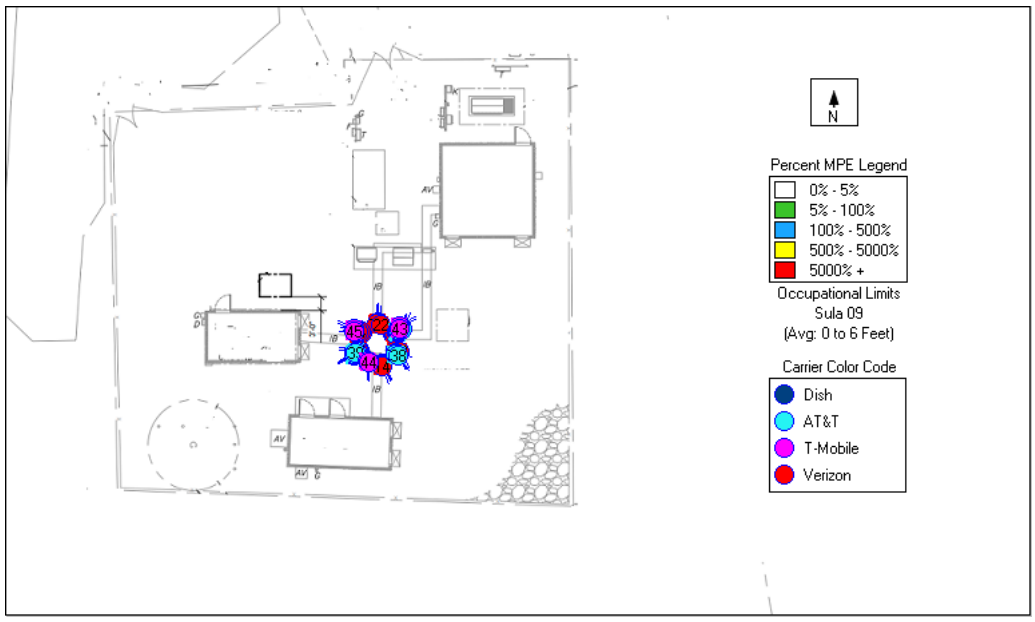
Appendix 3.2 MPE Limit Study



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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.

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.

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

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

f = frequency

* = Plane-wave equivalent power density

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

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

f = frequency

* = Plane-wave equivalent power density

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

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

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

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

Cylindrical Model (Near Field Predictions)

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

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

Where:

S = Power Density

P = Total Power into antenna

R = Distance from the antenna

L = Antenna aperture length

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

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

Where:

S = Power Density

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

P = Total Power into antenna

R = Distance from the antenna

L = Antenna aperture length

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

Spherical Model (Far Field Predictions)

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

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

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

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

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

Where:

S = Power Density

EIRP = Effective Radiated Power from antenna

Rc = Reflection Coefficient (2.56)

R = Distance from the antenna

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

EXHIBIT 6

DOCKET NO. 67

AN APPLICATION OF 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 THE TOWNS OF EAST LYME AND WATERFORD, CONNECTICUT.	:	CONNECTICUT SITING COUNCIL December 22, 1986

D E C I S I O N A N D O R D E R

Pursuant to the foregoing Opinion, the Council hereby directs that a Certificate of Environmental Compatibility and Public Need (Certificate) as provided by section 16-50k of the General Statutes of Connecticut (CGS) be issued to the Southern New England Telephone Company for the construction, operation, and maintenance of telecommunications towers and associated equipment buildings to provide cellular mobile telephone service at Scott Road, East Lyme, and the Town of Waterford landfill, Waterford.

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

1. The towers, including antennas, shall be no taller than necessary to provide the proposed service, and in no event shall exceed
   a) 167 feet at the East Lyme site, and
   b) 167 feet at the Waterford site.
2. A fence not lower than eight feet shall surround each tower and its associated equipment building.
3. Unless necessary to comply with condition number four, below, no lights shall be installed on these towers.
4. The facilities shall be constructed in accordance with all applicable federal, state, and municipal laws and regulations.

5. The certificate holder shall submit a Development and Management Plan (D&M plan) for the tower sites pursuant to sections 16-50j-75 through section 16-50j-77 of the Regulations of State Agencies, except that irrelevant items in section 16-50j-76 need only be identified as such. The D&M plan shall provide plans for evergreen screening around the fenced perimeter of the Waterford tower site. As stated in section 16-50j-75(d), the D&M plan must be approved by the Council prior to facility construction. Any changes in the D&M plan must be approved by the Council prior to facility operation.

6. No construction activities shall take place outside the hours of 7:00 A.M. to 7:00 P.M., Monday through Saturday.

7. The applicant or its successor shall notify the Council if and when directional antennas or any equipment other than that listed in the D&M plan is added to these facilities.

8. 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 tower, for due consideration received, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.

9. If the towers do not provide or permanently cease to provide cellular service following completion of construction, this Decision and Order shall be void and the towers and all associated equipment shall be dismantled and removed or reapplication for any new use shall be made to the Council before any such new use is made.

10. Unless otherwise approved by the Council, this Decision and Order shall be void if all construction authorized herein is not completed within three years of the issuance of this Decision and Order, or within three years of the completion of any appeal taken of this Decision.

11. The certificate holder shall measure and report to the Council the radio frequency power density levels at these sites in accordance with Federal Communications Commission-specified guidelines as set forth in the Office of Science and Technology Bulletin No. 65, October, 1985, within six months of completion of construction.

Pursuant to CGS section 16-50p, we hereby direct that a copy of the Decision and Order be served on each person listed below. A notice of the issuance shall be published in the New London Day and the Niantic News.

The parties to the proceeding are:

Southern New England Telephone Company (Applicant)
227 Church Street - Room 1021
New Haven, Connecticut 06506

ATTN: Peter J. Tyrrell (its representative)
Senior Attorney
(203) 771-7381

Metro Mobile CTS of Hartford, Inc. represented by:

Mr. Howard L. Slater
Byrne, Slater, Sandler,
Shulman & Rouse, P.C.
330 Main Street
Post Office Box 3216
Hartford, Connecticut 06103

Waterford Planning & Zoning Commission

represented by:

Mr. Thomas V. Wagner
Town Planner
Town of Waterford
Waterford Planning &
Zoning Commission
15 Rope Ferry Road
Waterford, Connecticut 06385-2886

GEM Cellular

represented by:

Mr. George E. Murray
GEM Cellular
1809 Parkside Drive, N.W.
Washington, D.C. 20012

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

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

Dated at New Britain, Connecticut, this 22th day of December, 1986.

Council Members	Vote Cast
Gloria Dibble Pond Chairperson	Yes
Commissioner John Downey Designee: Commissioner Peter Boucher	Yes
Commissioner Stanley Pac Designee: Christopher Cooper	Absent
Owen L. Clark	Yes
Mortimer A. Gelston	Yes
James G. Horsfall	Yes
Pamela B. Katz	Yes
William H. Smith	Yes
Colin C. Tait	Absent

STATE OF CONNECTICUT)
: ss. New Britain, December 22, 1986
COUNTY OF HARTFORD)

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:

John C. Kelly
Executive Director
Connecticut Siting Council

EXHIBIT 7

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Ship To:	AMERICAN TOWER 10 PRESIDENTIAL WAY WOBURN, MA 018011053 US
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UPS Service:	UPS Ground
Package Weight:	1.0 LBS
Reference Number:	14568931

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Ship To:	ROBERT BRULE FIRST SELECTMAN 15 ROPE FERRY ROAD WATERFORD, CT 063852806 US
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UPS Service:	UPS Ground
Package Weight:	1.0 LBS
Reference Number:	14568931

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UPS Service:	UPS Ground
Package Weight:	1.0 LBS
Reference Number:	14568931

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