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

September 18, 2023

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

RE: Notice of Exempt Modification // Site: BRANFORD SHORT BEACH CT (ATC: 283422)
171 Short Beach Road, Branford, CT 06405
N 41.26281608 // W -72.83440687

Dear Ms. Bachman,

Cellco Partnership d/b/a Verizon Wireless currently maintains twelve (12) antenna at the 100-ft level on the existing 119ft Monopole tower, located at 171 Short Branch Road, Branford, CT. The tower is owned by American Tower. The Council approved Verizon Wireless use of the existing tower in July 2011. Verizon Wireless proposed modification involves the installation of two (2) interference mitigation filters on Verizon Wireless existing antenna platform and mounting assembly.

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

The planned modifications to the facility fall squarely within those activities explicitly provided for in R.C.S.A. § 16-50j-72(b)(2). Enclosed to accommodate this filing are construction drawings dated September 7, 2023, by A.T. Engineering Services, LLC, a structural analysis dated August 7, 2023, by American Tower Corp., and a structural mount analysis by Colliers Engineering and Design date August 3, 2023, and Non-Ionizing Electromagnetic Radiation (NIER) study dated August 29, 2023 by Tower Engineering Professionals.

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

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

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

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

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

6. The existing structure and its foundation can support the proposed loading, as shown in the attached structural analysis and a structural mount analysis pursuant to certain conditions defined therein. Design and engineering are fully illustrated within final construction drawings.

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

Sincerely,

Derek Maheux

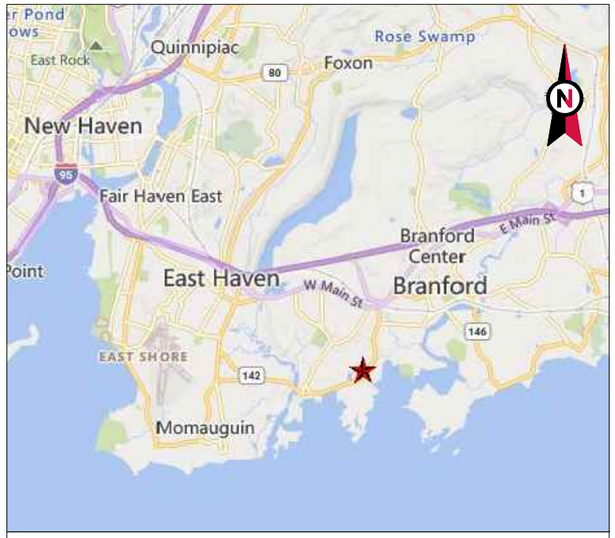
_____

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 2307
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: James Cosgrove – First Selectman – Chief Elected Official
Harry Smith, Town Planner - as P&Z official
American Tower Corporation - as tower owner
171 Short Beach Road Realty LLC – as ground owner

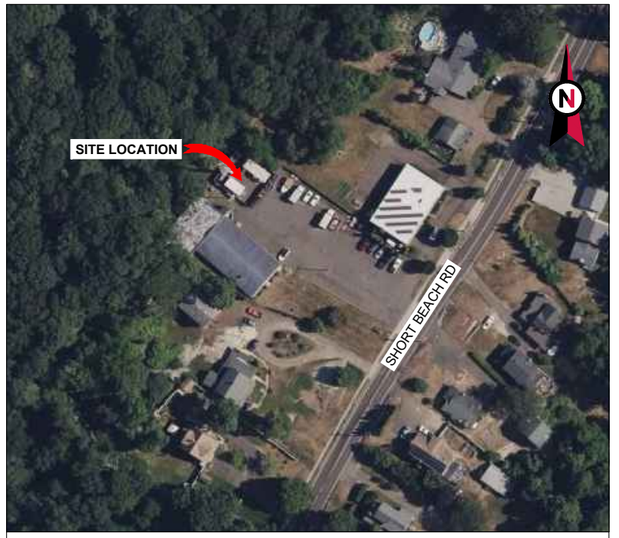
EXHIBIT 1



VICINITY MAP

AMERICAN TOWER®

ATC SITE NAME: SHORT BEACH BRANFORD CT
ATC SITE NUMBER: 283422
VERIZON SITE NAME: BRANFORD SHORT BEACH CT
VERIZON SITE NUMBER: 5000381598
SITE ADDRESS: 171 SHORT BEACH RD
BRANFORD, CT 06405



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.

1. 2020 NFPA 70, NATIONAL ELECTRIC CODE (NEC)
2. 2022 CONNECTICUT STATE BUILDING CODE
3. 2021 INTERNATIONAL BUILDING CODE (IBC)

DESIGN CRITERIA FROM TOWER STRUCTUAL ANALYSIS:

BASIC WIND SPEED:	121 mph
BASIC WIND SPEED W/ ICE:	50 mph
CODE(S):	ANSI/TIA-222-H / 2021 IBC / 2022 CONNECTICUT STATE BUILDING CODE
EXPOSURE CATEGORY:	C
RISK CATEGORY:	II
TOPO FACTOR PROCEDURE:	METHOD 1
TOPOGRAPHIC CATEGORY:	1
FEATURE:	N/A
SPECTRAL RESPONSE:	S_S=0.20 g, S_1=0.05 g
SITE CLASS:	D - STIFF SOIL - DEFAULT

INFORMATION TAKEN FROM STRUCTURAL ANALYSIS COMPLETED BY ATC, DATED 08/07/23.

UTILITY COMPANIES

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

TELEPHONE COMPANY: FRONTIER COMMUNICATIONS
PHONE: (800) 376-6843

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

PROJECT SUMMARY

SITE ADDRESS:

171 SHORT BEACH RD
BRANFORD, CT 06405
COUNTY: NEW HAVEN

GEOGRAPHIC COORDINATES:

LATITUDE: 41.26281608
LONGITUDE: -72.83440687
GROUND ELEVATION: 59' AMSL

PROJECT TEAM

TOWER OWNER:

AMERICAN TOWER
10 PRESIDENTIAL WAY
WOBURN, MA 01801

APPLICANT:

VERIZON WIRELESS

ENGINEER:

ATC TOWER SERVICES, LLC
3500 REGENCY PKWY STE 100
CARY, NC 27518

PROPERTY OWNER:

AIR INC
171 SHORT BEACH RD
BRANFORD, CT 06405

PROJECT DESCRIPTION

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

TOWER WORK:
INSTALL MOUNT MODIFICATIONS, AND (2) FILTER(s) EXISTING (12) ANTENNA(s), (6) RRH(s), (3) DIPLEXER(s), (2) OVP(s), (12) 1-5/8" COAX, AND (2) 1-5/8" HYBRID 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 BRADLEY INTERNATIONAL AIRPORT: GET ON BRADLEY INTERNATIONAL AIRPORT CON FROM BRADLEY INTERNATIONAL AIRPORT. HEAD NORTH TOWARD BRADLEY INTERNATIONAL AIRPORT. SLIGHT LEFT ONTO BRADLEY INTERNATIONAL AIRPORT. CONTINUE STRAIGHT. KEEP RIGHT TO CONTINUE TOWARD BRADLEY INTERNATIONAL AIRPORT CON. TAKE I-91 S TO US-1 S IN BRANFORD. TAKE EXIT 53 FROM I-95 N. CONTINUE ONTO BRADLEY INTERNATIONAL AIRPORT CON. CONTINUE ONTO CT-20 E/BRADLEY INTERNATIONAL AIRPORT CON. USE THE RIGHT 2 LANES TO MERGE ONTO I-91 S TOWARD HARTFORD. USE THE LEFT 2 LANES TO MERGE ONTO I-95 N TOWARD NEW LONDON. TAKE EXIT 53 FOR US-1 TOWARD CT-142/CT-146/SHORT BEACH. KEEP RIGHT AT THE FORK AND MERGE ONTO US-1 S. DRIVE TO SHORT BEACH RD. MERGE ONTO US-1 S. TURN LEFT ONTO SHORT BEACH RD. DESTINATION WILL BE ON THE RIGHT.

SHEET INDEX

SHEET NO:	DESCRIPTION:	REV:	DATE:	BY:
G-001	TITLE SHEET	0	08/17/23	VAR
G-002	GENERAL NOTES	0	08/17/23	VAR
C-101	DETAILED SITE PLAN	0	08/17/23	VAR
C-201	TOWER ELEVATION	0	08/17/23	VAR
C-401	ANTENNA INFORMATION & SCHEDULE	0	08/17/23	VAR
C-501	CONSTRUCTION DETAILS	0	08/17/23	VAR
E-501	GROUNDING DETAILS	0	08/17/23	VAR
R-601	SUPPLEMENTAL			
R-602	SUPPLEMENTAL			
R-603	SUPPLEMENTAL			

CONTRACTOR PMI REQUIREMENTS

PMI ACCESSED AT:	HTTPS://PMI.VZWSMART.COM
SMART TOOL VENDOR PROJECT NUMBER:	10208050
VZW LOCATION CODE (PSLC):	5000381598

***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

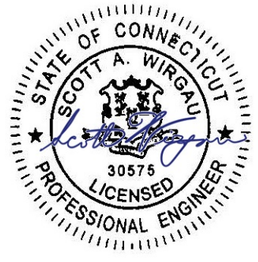
AMERICAN TOWER®
A.T. ENGINEERING SERVICES LLC
3500 REGENCY PARKWAY
SUITE 100
CARY, NC 27518
PHONE: (919) 468-0112
PEC.0001553

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

REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	VAR	08/17/23
1	COMPLIANCE CODE	VAR	09/07/23

ATC SITE NUMBER:
283422
ATC SITE NAME:
SHORT BEACH BRANFORD CT
VERIZON SITE NAME:
BRANFORD SHORT BEACH CT
SITE ADDRESS:
171 SHORT BEACH RD
BRANFORD, CT 06405

SEAL:



verizon

ATC JOB NO:	14523187_G0
CUSTOMER ID:	BRANFORD SHORT BEACH CT
CUSTOMER #:	5000381598

TITLE SHEET

SHEET NUMBER:	REVISION:
G-001	1

Copyright © 2023 ATC IP LLC, All Rights Reserved.

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
3500 REGENCY PARKWAY
SUITE 100
CARY, NC 27518
PHONE: (919) 468-0112
PEC.0001553

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

REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	VAR	08/17/23

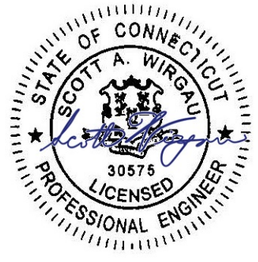
ATC SITE NUMBER:
283422

ATC SITE NAME:
SHORT BEACH BRANFORD CT

VERIZON SITE NAME:
BRANFORD SHORT BEACH CT

SITE ADDRESS:
171 SHORT BEACH RD
BRANFORD, CT 06405

SEAL:



Digitally Signed: 2023-09-07

verizon

ATC JOB NO:	14523187_G0
CUSTOMER ID:	BRANFORD SHORT BEACH CT
CUSTOMER #:	5000381598

GENERAL NOTES

SHEET NUMBER:	REVISION:
G-002	0

Copyright © 2023 ATC IP LLC, All Rights Reserved.

SITE PLAN NOTES:

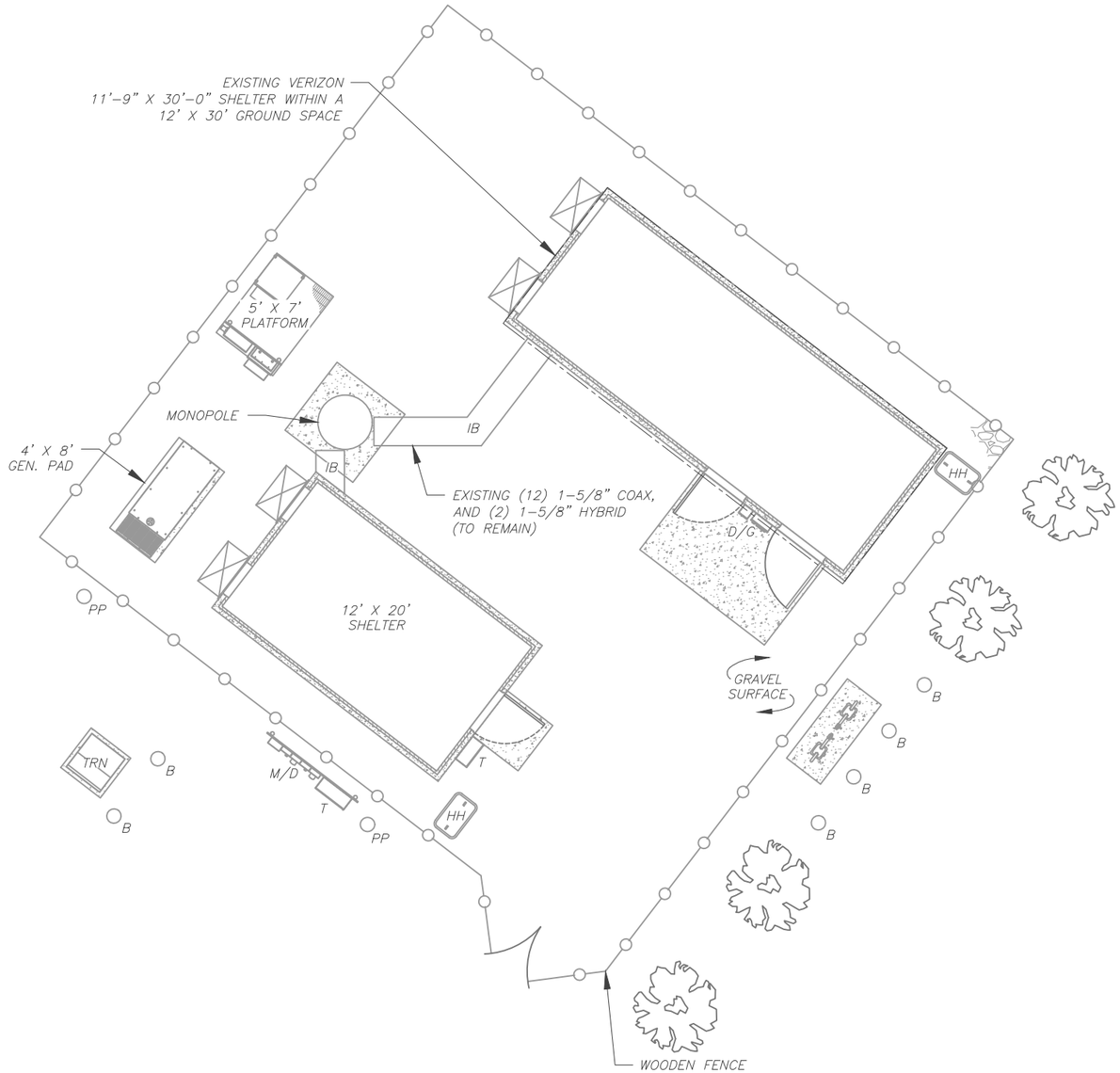
1. THIS SITE PLAN REPRESENTS THE BEST PRESENT KNOWLEDGE AVAILABLE TO THE ENGINEER AT THE TIME OF THIS DESIGN. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO CONSTRUCTION AND VERIFY ALL EXISTING CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT.

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

10 0 5 10

(IN FEET)
1 UNIT = 10 FEET

N

AMERICAN TOWER®

A.T. ENGINEERING SERVICES LLC

3500 REGENCY PARKWAY
SUITE 100
CARY, NC 27518
PHONE: (919) 468-0112
PEC.0001553

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

REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	VAR	08/17/23

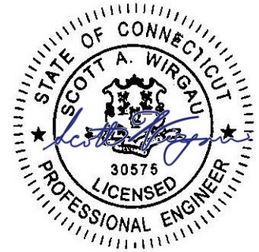
ATC SITE NUMBER:
283422

ATC SITE NAME:
SHORT BEACH BRANFORD CT

VERIZON SITE NAME:
BRANFORD SHORT BEACH CT

SITE ADDRESS:
171 SHORT BEACH RD
BRANFORD, CT 06405

SEAL:



Digitally Signed: 2023-09-07

verizon

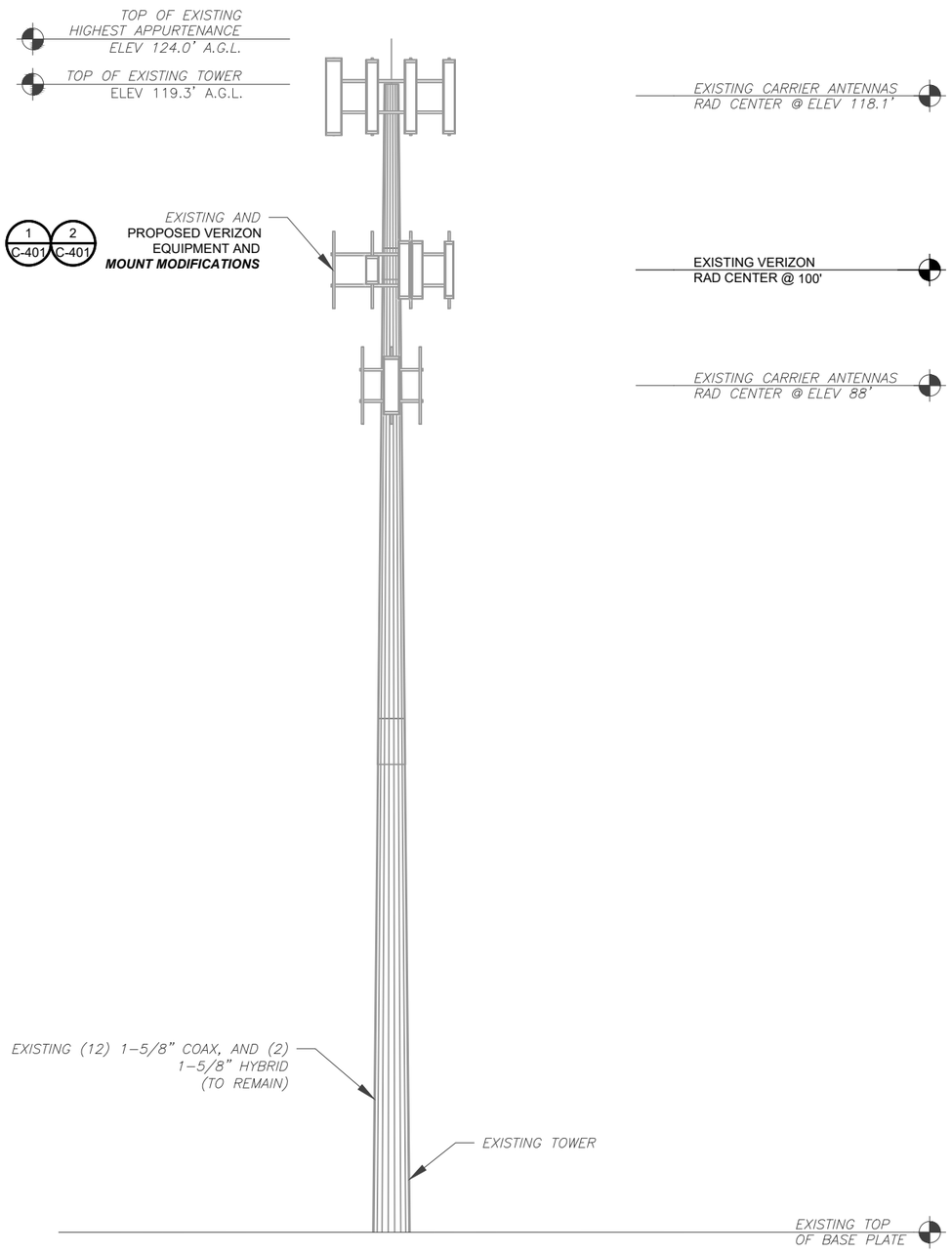
ATC JOB NO:	14523187_G0
CUSTOMER ID:	BRANFORD SHORT BEACH CT
CUSTOMER #:	5000381598

DETAILED SITE PLAN

SHEET NUMBER:	REVISION:
C-101	0

Copyright © 2023 ATC IP LLC, All Rights Reserved.

PER MOUNT ANALYSIS COMPLETED BY COLLIERS ENGINEERING & DESING, DATED 08/03/23, THE EXISTING MOUNT MUST BE MODIFIED TO ADEQUATELY SUPPORT THE PROPOSED LOADING. THE MOUNT MODIFICATION PROPOSED IN THE MOUNT ANALYSIS, INCLUDED AT THE END OF THIS PLAN SET, MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PROPOSED ANTENNAS AND OTHER EQUIPMENT.



1 TOWER ELEVATION
SCALE: N.T.S.

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

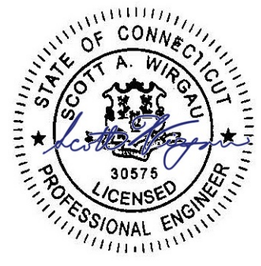
AMERICAN TOWER®
A.T. ENGINEERING SERVICES LLC
3500 REGENCY PARKWAY
SUITE 100
CARY, NC 27518
PHONE: (919) 468-0112
PEC.0001553

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

REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	VAR	08/17/23

ATC SITE NUMBER:
283422
ATC SITE NAME:
SHORT BEACH BRANFORD CT
VERIZON SITE NAME:
BRANFORD SHORT BEACH CT
SITE ADDRESS:
171 SHORT BEACH RD
BRANFORD, CT 06405

SEAL:



Digitally Signed: 2023-09-07

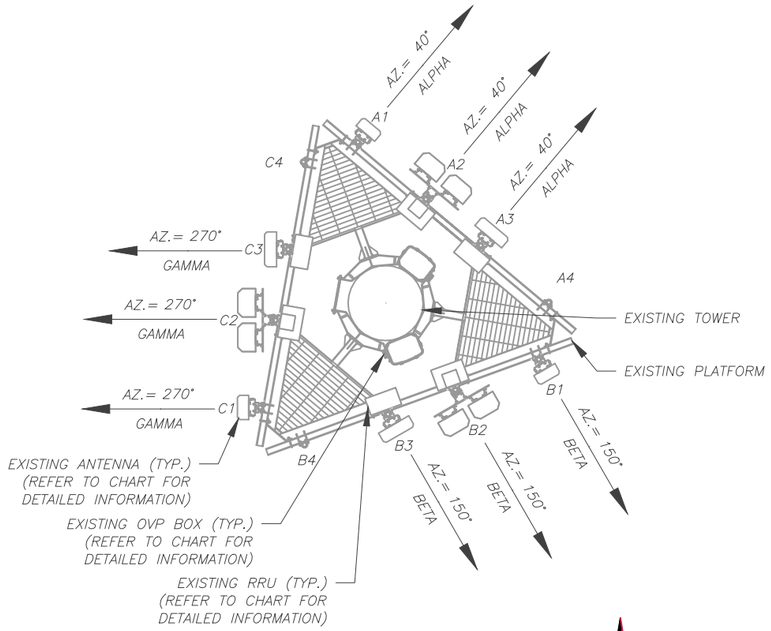
verizon

ATC JOB NO:	14523187_G0
CUSTOMER ID:	BRANFORD SHORT BEACH CT
CUSTOMER #:	5000381598

TOWER ELEVATION

SHEET NUMBER:	REVISION:
C-201	0

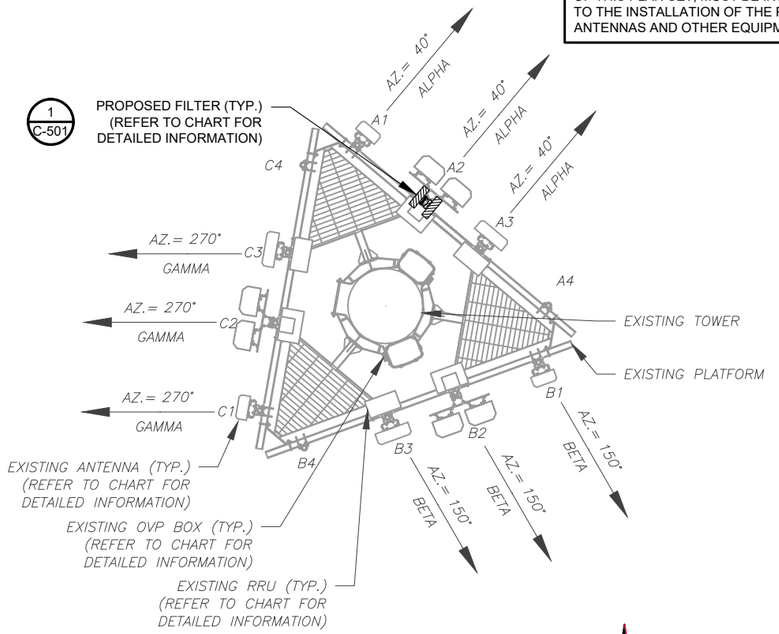
Copyright © 2023 ATC IP LLC, All Rights Reserved.



1 EXISTING ANTENNA PLAN

SCALE: N.T.S.

PER MOUNT ANALYSIS COMPLETED BY COLLIERS ENGINEERING & DESING, DATED 08/03/23, THE EXISTING MOUNT MUST BE MODIFIED TO ADEQUATELY SUPPORT THE PROPOSED LOADING. THE MOUNT MODIFICATION PROPOSED IN THE MOUNT ANALYSIS, INCLUDED AT THE END OF THIS PLAN SET, MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PROPOSED ANTENNAS AND OTHER EQUIPMENT.



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	100'	40°	A1	BXA-70063-6CF	–	RMN	–	–
			A2	JAHH-65B-R3B JAHH-65B-R3B	–	RMN RMN	CBC78T-DS-43-2X B2/B66A RRH-BR049	RMN RMN
			A3	MT6407-77A	–	RMN	B5/B13 RRH-BR04C	RMN
			A4	–	–	–	–	–
BETA	100'	150°	B1	BXA-70063-6CF	–	RMN	–	–
			B2	JAHH-65B-R3B JAHH-65B-R3B	–	RMN RMN	CBC78T-DS-43-2X B2/B66A RRH-BR049	RMN RMN
			B3	MT6407-77A	–	RMN	B5/B13 RRH-BR04C	RMN
			B4	–	–	–	–	–
GAMMA	100'	270°	C1	BXA-70063-6CF	–	RMN	–	–
			C2	JAHH-65B-R3B JAHH-65B-R3B	–	RMN RMN	CBC78T-DS-43-2X B2/B66A RRH-BR049	RMN RMN
			C3	MT6407-77A	–	RMN	B5/B13 RRH-BR04C	RMN
			C4	–	–	–	–	–

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	100'	40°	A1	BXA-70063-6CF	–	RMN	–	–
			A2	JAHH-65B-R3B JAHH-65B-R3B	–	RMN RMN	(2) KA-6030 CBC78T-DS-43-2X B2/B66A RRH-BR049	ADD RMN RMN
			A3	MT6407-77A	–	RMN	B5/B13 RRH-BR04C	RMN
			A4	–	–	–	–	–
BETA	100'	150°	B1	BXA-70063-6CF	–	RMN	–	–
			B2	JAHH-65B-R3B JAHH-65B-R3B	–	RMN RMN	CBC78T-DS-43-2X B2/B66A RRH-BR049	RMN RMN
			B3	MT6407-77A	–	RMN	B5/B13 RRH-BR04C	RMN
			B4	–	–	–	–	–
GAMMA	100'	270°	C1	BXA-70063-6CF	–	RMN	–	–
			C2	JAHH-65B-R3B JAHH-65B-R3B	–	RMN RMN	CBC78T-DS-43-2X B2/B66A RRH-BR049	RMN RMN
			C3	MT6407-77A	–	RMN	B5/B13 RRH-BR04C	RMN
			C4	–	–	–	–	–

EXISTING FIBER DISTRIBUTION/OVP BOX		EXISTING CABLING SUMMARY	
MODEL NUMBER	STATUS	CABLE QTY, SIZE, TYPE	STATUS
(2) DB-T1-6Z-8AB-0Z	RMN	(12) 1-5/8" COAX, AND (2) 1-5/8" HYBRID	RMN
–	-	----	-

FINAL FIBER DISTRIBUTION / OVP BOX		FINAL CABLING SUMMARY	
MODEL NUMBER	STATUS	CABLE QTY, SIZE, TYPE	STATUS
(2) DB-T1-6Z-8AB-0Z	RMN	(12) 1-5/8" COAX, AND (2) 1-5/8" HYBRID	RMN
-	-	----	-

3 EQUIPMENT SCHEDULES

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

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

REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	VAR	08/17/23

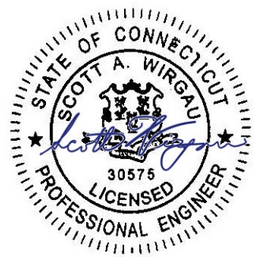
ATC SITE NUMBER:
283422

ATC SITE NAME:
SHORT BEACH BRANFORD CT

VERIZON SITE NAME:
BRANFORD SHORT BEACH CT

SITE ADDRESS:
171 SHORT BEACH RD
BRANFORD, CT 06405

SEAL:



Digitally Signed: 2023-09-07

verizon

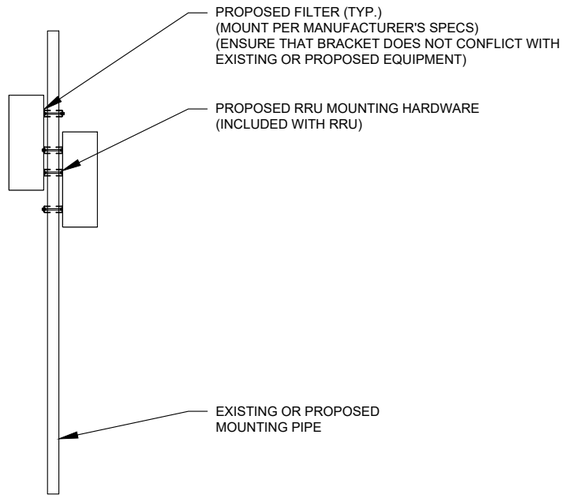
ATC JOB NO:	14523187_G0
CUSTOMER ID:	BRANFORD SHORT BEACH CT
CUSTOMER #:	5000381598

ANTENNA INFORMATION & SCHEDULE

SHEET NUMBER:	REVISION:
C-401	0

Copyright © 2023 ATC IP LLC, All Rights Reserved.

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



1 PROPOSED RRU MOUNTING DETAIL - TYPICAL

SCALE: N.T.S.

AMERICAN TOWER®

A.T. ENGINEERING SERVICES LLC

3500 REGENCY PARKWAY
SUITE 100
CARY, NC 27518
PHONE: (919) 468-0112
PEC.0001553

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

REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	VAR	08/17/23

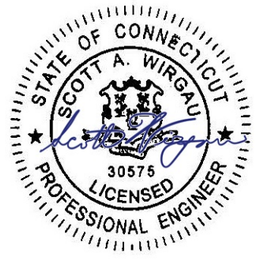
ATC SITE NUMBER:
283422

ATC SITE NAME:
SHORT BEACH BRANFORD CT

VERIZON SITE NAME:
BRANFORD SHORT BEACH CT

SITE ADDRESS:
171 SHORT BEACH RD
BRANFORD, CT 06405

SEAL:



Digitally Signed: 2023-09-07

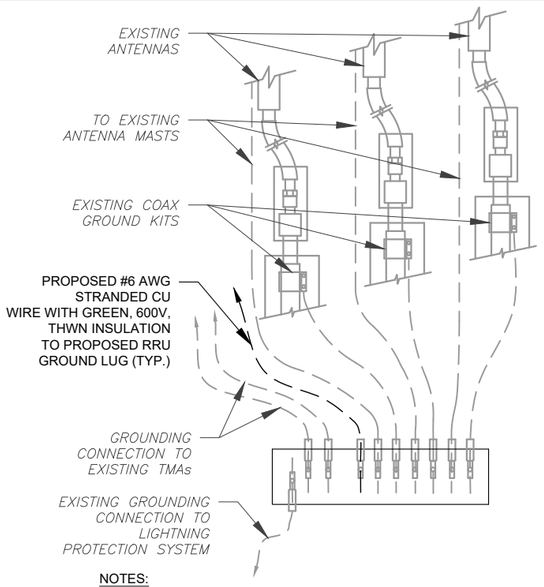
verizon

ATC JOB NO:	14523187_G0
CUSTOMER ID:	BRANFORD SHORT BEACH CT
CUSTOMER #:	5000381598

CONSTRUCTION DETAILS

SHEET NUMBER:	REVISION:
C-501	0

Copyright © 2023 ATC IP LLC, All Rights Reserved.

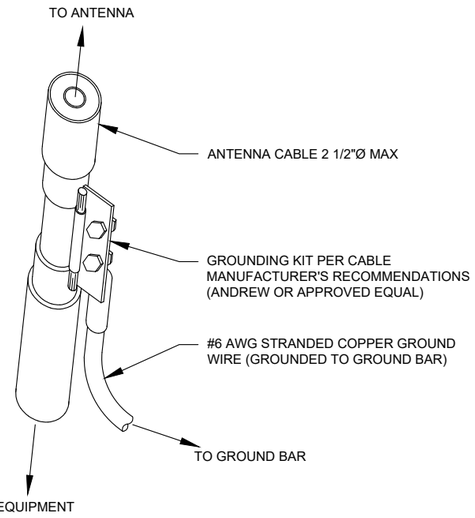


NOTES:

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.

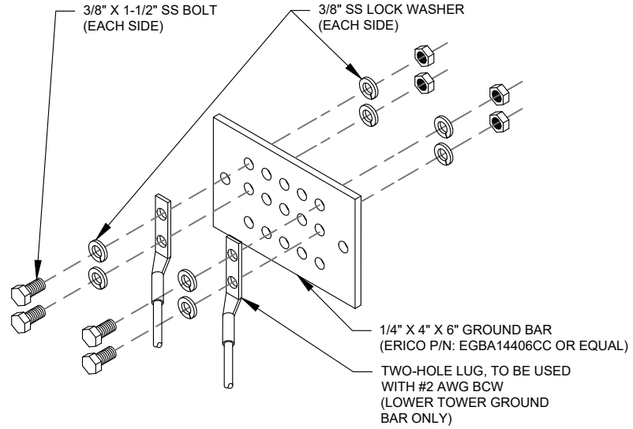


GROUND KIT NOTES:

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
3500 REGENCY PARKWAY
SUITE 100
CARY, NC 27518
PHONE: (919) 468-0112
PEC.0001553

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

REV.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	VAR	08/17/23

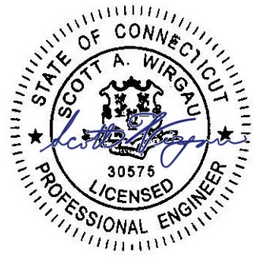
ATC SITE NUMBER:
283422

ATC SITE NAME:
SHORT BEACH BRANFORD CT

VERIZON SITE NAME:
BRANFORD SHORT BEACH CT

SITE ADDRESS:
171 SHORT BEACH RD
BRANFORD, CT 06405

SEAL:



Digitally Signed: 2023-09-07

verizon

ATC JOB NO:	14523187_G0
CUSTOMER ID:	BRANFORD SHORT BEACH CT
CUSTOMER #:	5000381598

GROUNDING DETAILS

SHEET NUMBER:	REVISION:
E-501	0

Copyright © 2023 ATC IP LLC, All Rights Reserved.

KA-6030

TWIN BANDSTOP 900MHZ INTERFERENCE MITIGATION FILTER

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

FEATURES

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

TECHNICAL SPECIFICATIONS

BAND NAME	700 PATH / 850 UPLINK PATH	850 DOWNLINK PATH
Passband	698 - 849MHz	869 - 891.5MHz
Insertion loss	0.1dB typical / 0.3dB maximum	0.5dB typical, 1.45dB maximum
Return loss	24dB typical, 18dB minimum	
Maximum input power (Per Port)	100W average	200W average and 66W per 5MHz
Rejection	83dB minimum @ 894.1 - 896.5MHz	
ELECTRICAL		
Impedance	50Ohms	
Intermodulation products	-160dBc maximum in UL Band (assuming 20MHz Signal), with 2 x 43dBm carriers -153dBc maximum with 2 x 43dBm	
DC / AISG		
Passband	0 - 13MHz	
Insertion loss	0.3dB maximum	
Return loss	15dB minimum	
Input voltage range	± 33V	
DC current rating	2A continuous, 4A peak	
Compliance	3GPP TS 25.461	
ENVIRONMENTAL		
For further details of environmental compliance, please contact Kaelus.		
Temperature range	-20°C to +60°C | -4°F to +140°F	
Ingress protection	IP67	
Altitude	2600m | 8530ft	
Lightning protection	RF port: ±5kA maximum (8/20us), IEC 61000-4-5 – Unit must be terminated with some lightning protection circuits.	
MTBF	>1,000,000 hours	
Compliance	ETSI EN 300 019 class 4.1H, RoHS, NEBS GR-487-CORE	
MECHANICAL		
Dimensions H x D x W	269 x 277 x 60mm | 10.60 x 10.90 x 3.15in (Excluding brackets and connectors)	
Weight	8.0 kg | 17.6 lbs (no bracket)	
Finish	Powder coated, light grey (RAL7035)	
Connectors	RF: 4.3-10 (F) x 4	
Mounting	Optional pole/wall bracket supplied with two metal clamps 45-178mm diameter poles or custom bracket. See ordering information.	

© Kaelus 2022. All rights reserved

Contact Us: +1 303 768 8080 | +61 (0) 7 3007 1200 | www.kaelus.com

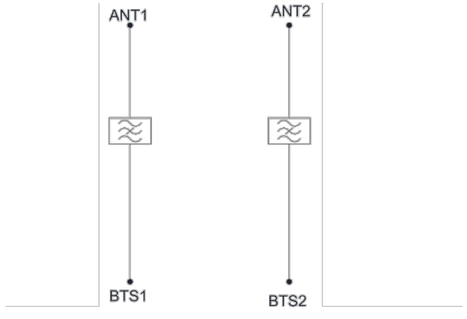
ORDERING INFORMATION

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

© Kaelus 2022. All rights reserved

Contact Us: +1 303 768 8080 | +61 (0) 7 3007 1200 | www.kaelus.com

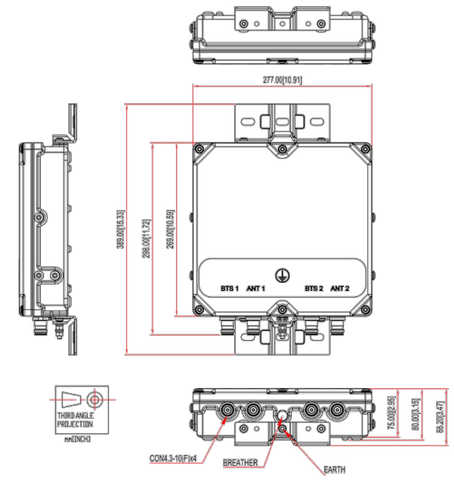
ELECTRICAL BLOCK DIAGRAM



© Kaelus 2022. All rights reserved

Contact Us: +1 303 768 8080 | +61 (0) 7 3007 1200 | www.kaelus.com

MECHANICAL BLOCK DIAGRAM



© Kaelus 2022. All rights reserved

Contact Us: +1 303 768 8080 | +61 (0) 7 3007 1200 | www.kaelus.com

NOTE: THIS SHEET CREATED BY OTHERS AND PROVIDED BY REQUEST OF CUSTOMER WITHOUT EDIT.

SUPPLEMENTAL

SHEET NUMBER: R-601

REVISION: 0

Copyright © 2023 ATC IP LLC, All Rights Reserved.

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

Antenna Mount Analysis Report with Hardware Upgrades and PMI Requirements

Mount ReAnalysis

SMART Tool Project #: 10208050
Colliers Engineering & Design CT, P.C. Project #: 23777205

August 3, 2023

Site Information

Site ID:	*5000381598-VZW / BRANFORD SHORT BEACH CT*
Site Name:	*BRANFORD SHORT BEACH CT*
Carrier Name:	*Verizon Wireless*
Address:	*171 Short Beach Rd* *Branford, Connecticut 06405* *New Haven County*
Latitude:	*41.262789°*
Longitude:	*-72.834428°*

Structure Information

Tower Type:	*120-Ft Monopole*
Mount Type:	*12.50-Ft Platform*

FUZE ID # 17136797

Analysis Results

Platform Mount: **69.0% Pass w/ Hardware Upgrades***

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

******Contractor PMI Requirements*:**
Included at the end of this MA report
Available & Submitted via portal at https://pmi.vzwsmart.com
For additional questions and support, please reach out to:
pmisupport@colliersengineering.com

Report Prepared By: Ismaias Recinos

STATE OF CONNECTICUT · DEJIAN XU · No. 33733 · LICENSED PROFESSIONAL ENGINEER
08/03/2023

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS Site ID: 1593399, dated March 31, 2021* *Filter Add Scope Provided by Verizon Wireless*
Mount Mapping Report	*RKS Design & Engineering LLC., Site ID: ATC:283422, dated April 1, 2021*
Previous Mount Analysis	*Maser Consulting Connecticut Project #: 21777425A* *Dated May 4, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H 2022 Connecticut State Building Code (CSBC), Effective October 1, 2022	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	125 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:	0.998
Seismic Parameters:	S_S:	0.201 g
	S_1:	0.053 g
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

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-602	0

Copyright © 2023 ATC IP LLC, All Rights Reserved.

Copyright © 2023 ATC IP LLC, All Rights Reserved.

MASER CONSULTING

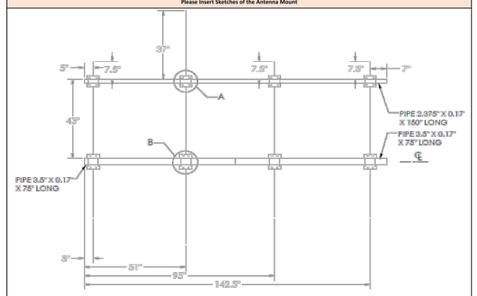
Antenna Mount Mapping Form (PATENT PENDING)

FEE #
127310

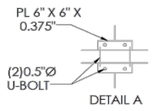
Tower Owner:	ATC	Mapping Date:	4/5/2021
Site Name:	ATC-SHORT BEACH BRANFORD,VZW-BRANFORD SHORT BEAC	Tower Type:	Monopole
Site Number or ID:	ATC-284432	Tower Height (FL):	150
Mapping Contractor:	PWS Design & Engineering LLC	Mount Elevation (FL):	95

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

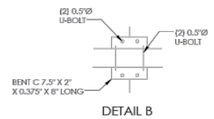
Please Insert Sketches of the Antenna Mount



SECTOR A,B & C

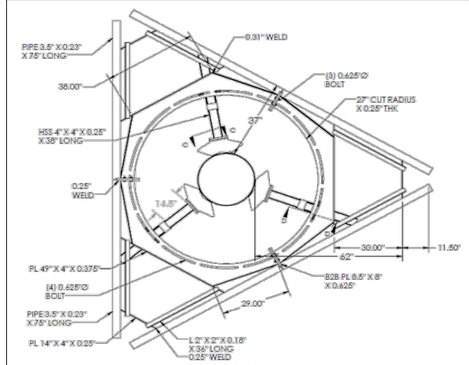


DETAIL A

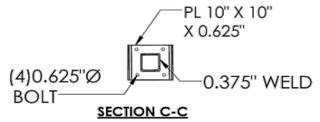


DETAIL B

Please Insert Sketches of the Antenna Mount, cont'd

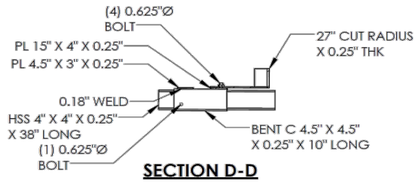


MOUNT PLAN VIEW



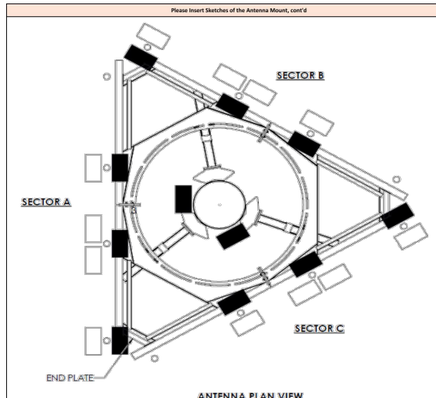
SECTION C-C

Please Insert Sketches of the Antenna Mount, cont'd

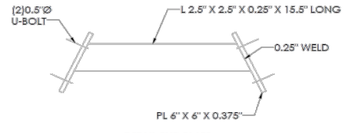


SECTION D-D

Please Insert Sketches of the Antenna Mount, cont'd



ANTENNA PLAN VIEW



DETAIL END PLATE

1 MOUNT MODIFICATIONS

NOTE: THIS SHEET CREATED BY OTHERS AND PROVIDED BY REQUEST OF CUSTOMER WITHOUT EDIT.

SUPPLEMENTAL

SHEET NUMBER:	REVISION:
R-603	0

KA-6030

TWIN BANDSTOP 900MHZ INTERFERENCE MITIGATION FILTER

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

FEATURES

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

TECHNICAL SPECIFICATIONS

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

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

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

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

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

© Kaelus 2022. All rights reserved

Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

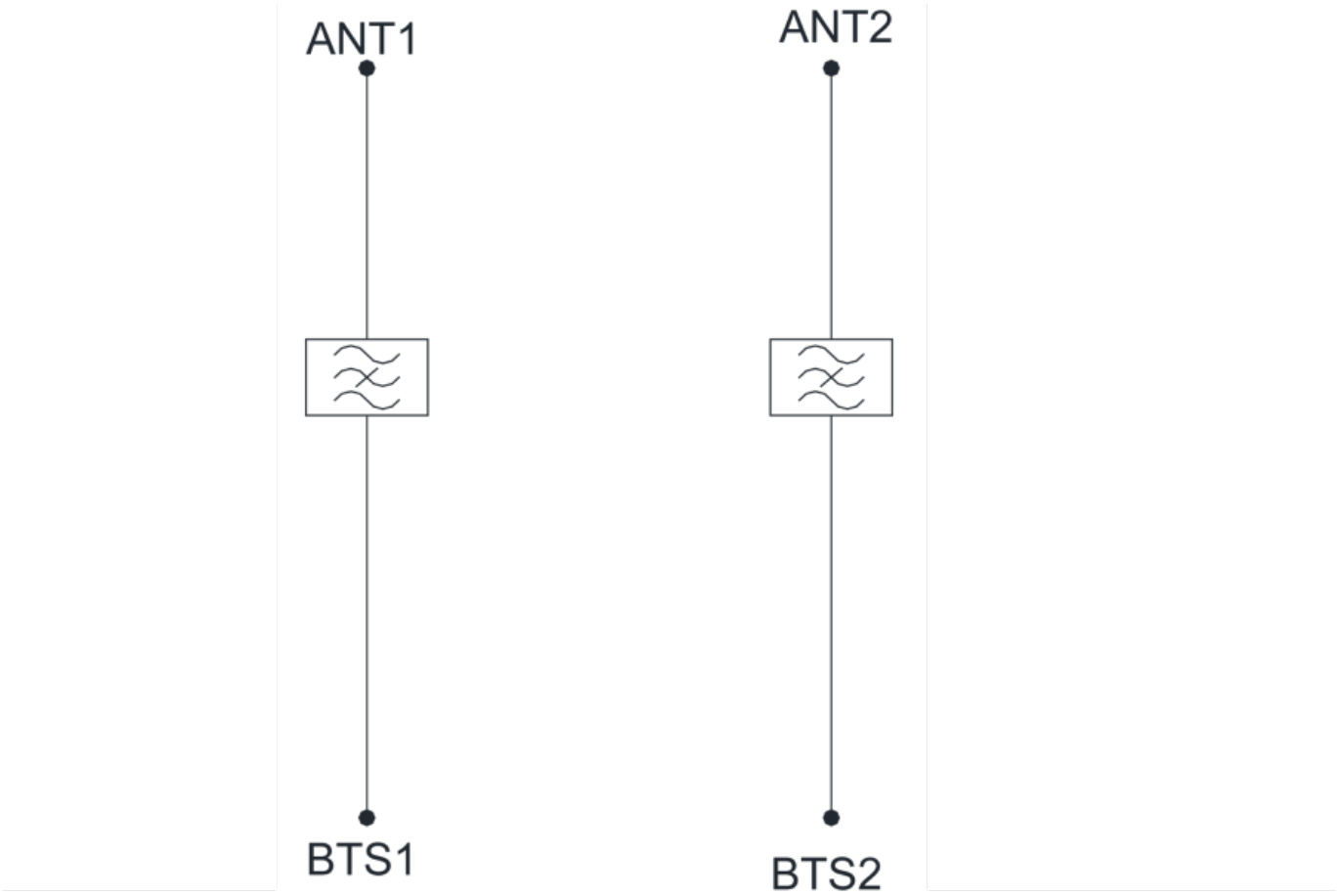
ORDERING INFORMATION

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

© Kaelus 2022. All rights reserved

Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

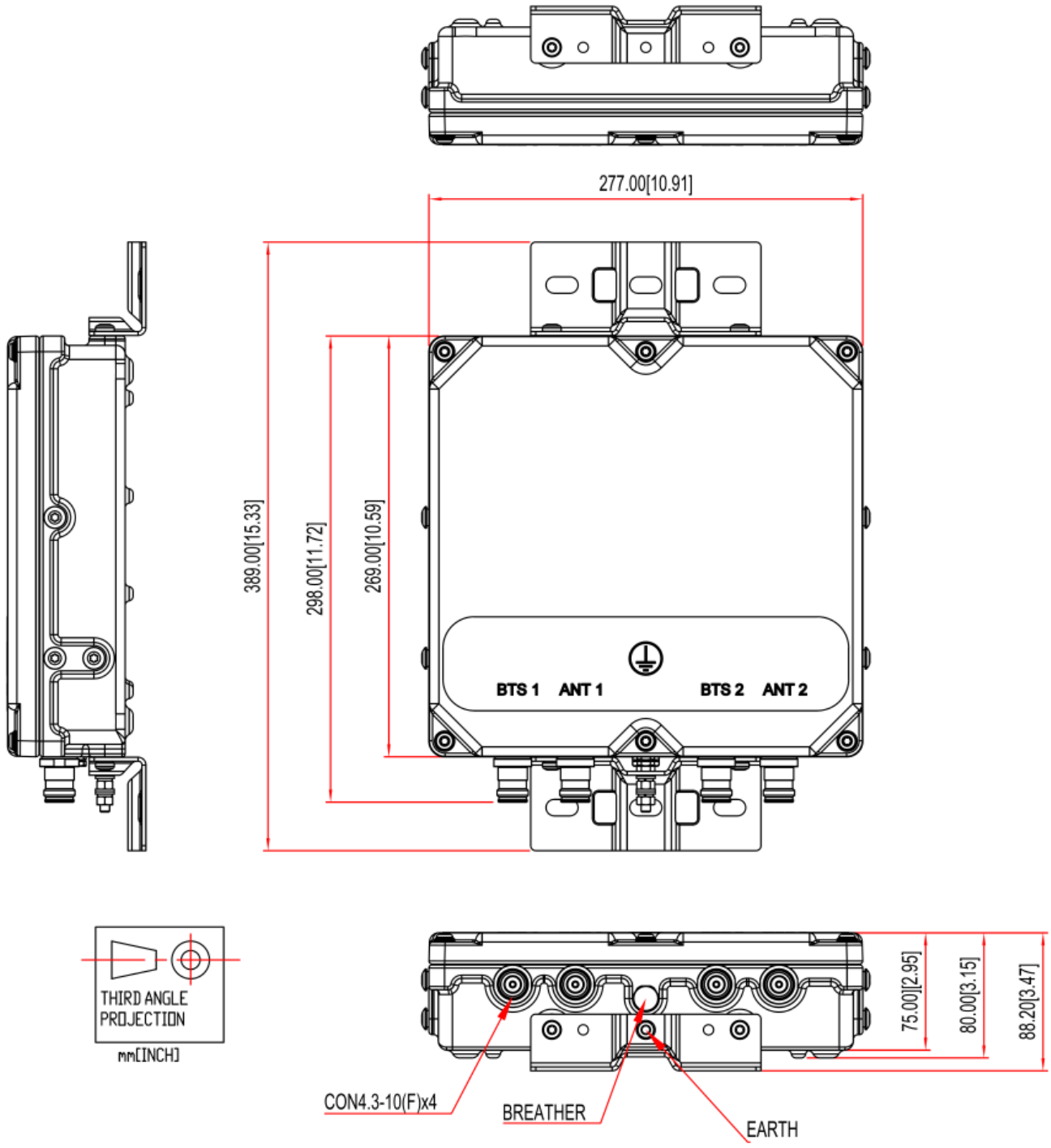
ELECTRICAL BLOCK DIAGRAM



© Kaelus 2022. All rights reserved

Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

MECHANICAL BLOCK DIAGRAM



© Kaelus 2022. All rights reserved

Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

EXHIBIT 2

Property Location: 171 SHORT BEACH RD | **MAP ID:** C10/000 002/ 00009/ / | **Bldg Name:** | **State Use:** 4000

Vision ID: 688 | **Account #** 000573 | **Bldg #:** 1 of 1 | **Sec #:** 1 of 1 | **Card** 1 of 1 | **Print Date:** 04/30/2020 13:44

CURRENT OWNER	TOPO.	UTILITIES	STRT./ROAD	LOCATION
171 SHORT BEACH ROAD REALTY L	1 Level	2 Public Water	1 Paved	2 Suburban
		3 Public Sewer		
171 SHORT BEACH RD				
BRANFORD, CT 06405				
Additional Owners:				

SUPPLEMENTAL DATA

Other ID:	C10/000/002/00009/	HLDG TK	
CONDO BLDG		SEPTIC	
CONDO UNIT		SEWER	
CONDO FLOOI		DISTRICT	
		CENSUS TR	1843
PARCEL DESC			
GIS ID:	C10/000/002/00009	*ASSOC PID#*	

CURRENT ASSESSMENT

Description	Code	Appraised Value	Assessed Value
IND LAND	3-1	111,650	78,210
IND BLDG	3-2	249,480	174,680
IND IMPR	3-3	34,540	24,090
UTL LAND	4-1	226,600	158,620
	Total	622,270	435,600

6014
BRANFORD, CT

VISION

RECORD OF OWNERSHIP

	BK-VOL/PAGE	SALE DATE	q/u	v/i	SALE PRICE	V.C.
171 SHORT BEACH ROAD REALTY LLC	0960/0925	08/29/2006	Q	I	380,000	
BATROW ALICE	0640/0284	01/12/1998				
BATROW ALICE ET ALS	0475/0297					

PREVIOUS ASSESSMENTS (HISTORY)

Yr.	Code	Assessed Value	Yr.	Code	Assessed Value	Yr.	Code	Assessed Value
2019	3-1	78,210	2019	3-1	78,210	2018	3-1	71,100
2019	3-2	174,680	2019	3-2	174,680	2018	3-2	143,100
2019	3-3	24,090	2019	3-3	24,090	2018	3-3	14,300
2019	4-1	158,620	2019	4-1	158,620	2018	4-1	140,000
	Total:	435,600		*Total:*	435,600		*Total:*	368,500

EXEMPTIONS

Year	Type	Description	Amount
		Total:	

OTHER ASSESSMENTS

Code	Description	Number	Amount	Comm. Int.

This signature acknowledges a visit by a Data Collector or Assessor

APPRAISED VALUE SUMMARY

Appraised Bldg. Value (Card)	224,500
Appraised XF (B) Value (Bldg)	2,300
Appraised OB (L) Value (Bldg)	31,400
Appraised Land Value (Bldg)	307,500
Special Land Value	0
Total Appraised Parcel Value	622,270
Valuation Method:	C
Adjustment:	0
Net Total Appraised Parcel Value	622,270

ASSESSING NEIGHBORHOOD

NBHD/ SUB	NBHD Name	Street Index Name	Tracing	Batch
0050/A				

NOTES

AIR INC 2019 I&E PENALTY NG
AOF TOTAL RENOVATION + EXPANSION AFTER
2006 SALE
SHD6=CELL TOWER EQUIPMENT SHEDS
ECO=USE/LOC REAR
2018 AMERICAN TOWER CELL SITE #283422
VERIZON & AT&T; 2018-IG
V1162P583 FILED 8/29/14
BOUNDARY LINE AGREEMENT
SMAP 3769 FILED 8/29/14
EASEMENT V1253 P993 AMERICAN TOWER

BUILDING PERMIT RECORD

Permit ID	Issue Date	Type	Description	Amount	Insp. Date	% Comp.	Date Comp.	Comments
19-00680	06/26/2019	HA	HVAC	5,654	08/27/2019	100		REPL CONDENSER &
00247-2013	04/28/2014	CO	CO ISSUED	0	10/21/2014	100		INSTALL 120' TELECC
14-00070-1	02/10/2014	CM	Commercial	4,500	10/21/2014	100		TIE IN FEEDER TO PR
14-00070	02/07/2014	CM	Commercial	50,000	10/21/2014	100		ANTENNAS (12) ON EX
00495-2013	01/30/2014	CM	Commercial	0	10/21/2014	100		ATTACH ANTENNAS T
13-00495-3	11/18/2013	CM	Commercial	3,500	10/21/2014	100		RUN GAS PIPE FROM
13-00495-2	10/01/2013	CM	Commercial	4,900	10/21/2014	100		CELL TOWER GAS PI

VISIT/ CHANGE HISTORY

Date	Type	IS	ID	Cd.	Purpose/Result
09/27/2019			KN	11	Field Review
08/27/2019			ECS	37	Bldg Permit
10/23/2018			ECS	00	Measur+Listed
10/21/2014			DV	37	Bldg Permit
08/01/2014			JG	11	Field Review

LAND LINE VALUATION SECTION

B #	Use Code	Use Description	Zone	D	Front	Depth	Units		Unit Price	I. Factor	S.A.	Acre Disc	C. Factor	ST. Idx	Adj.	Notes- Adj	Special Pricing		S Adj Fact	Adj. Unit Price	Land Value
1	4000	MFRG MDL96	R-4				0.34	AC	109,600.00	2.6165	5	1.0000	1.00	0050	1.00				1.00		97,500
1	4000	MFRG MDL96	R-4				0.53	AC	7,500.00	1.0000	0	1.0000	1.00	0050	1.00				1.00		4,000
1	4310	TEL REL TW MDL96	R-4				1.00	BL	206,000.00	1.0000	0	1.0000	1.00		0.00	CELL SITE			1.00		206,000

Total Card Land Units: 0.87 AC | **Parcel Total Land Area:** 0.87 AC | **Total Land Value:** 307,500

Property Location: 171 SHORT BEACH RD **MAP ID:** C10/000 002/ 00009/ / **Bldg Name:** **State Use:** 4000

Vision ID: 688 **Account #** 000573 **Bldg #:** 1 of 1 **Sec #:** 1 of 1 **Card** 1 of 1 **Print Date:** 04/30/2020 13:44

CONSTRUCTION DETAIL

Element	Cd.	Ch.	Description
Style	40		Lt. Industrial
Model	96		Ind/Comm
Grade	03		C
Stories	1		
Occupancy	1		
Exterior Wall 1	15		Concr/Cinder
Exterior Wall 2	25		Vinyl Siding
Roof Structure	03		Gable/Hip
Roof Cover	03		Asphalt
Interior Wall 1	01		Minim/Masonry
Interior Wall 2	05		Drywall
Interior Floor 1	03		Concr-Finished
Interior Floor 2	14		Carpet
Heating Fuel	03		Gas
Heating Type	04		Forced Air-Duc
AC Type	02		Heat Pump
Bldg Use	4000		MFRG MDL96
Total Rooms			
Total Bedrms	00		
Total Baths	0		
Heat/AC	01		HEAT/AC PKGS
Frame Type	03		MASONRY
Baths/Plumbing	02		AVERAGE
Ceiling/Wall	04		CEIL & MIN WL
Rooms/Prtns	02		AVERAGE
Wall Height	10		
% Comn Wall	0		

CONSTRUCTION DETAIL (CONTINUED)

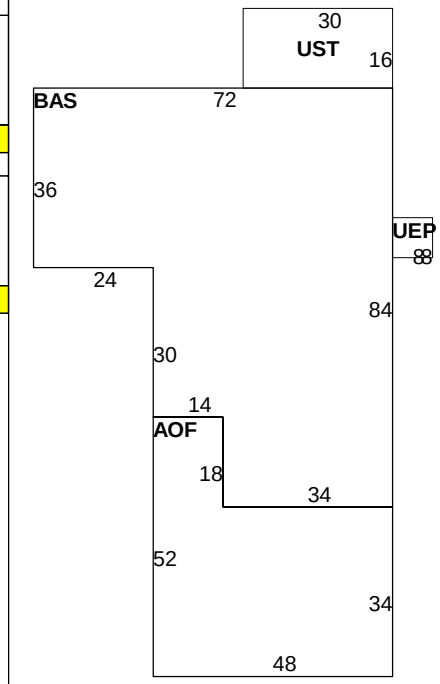
Element	Cd.	Ch.	Description

MIXED USE

Code	Description	Percentage
4000	MFRG MDL96	100

COST/MARKET VALUATION

Adj. Base Rate:	57.18
Replace Cost	408,151
AYB	1955
Dep Code	G
Remodel Rating	
Year Remodeled	
Dep %	35
Functional Obslnc	
External Obslnc	10
Cost Trend Factor	
Condition	
% Complete	
Overall % Cond	55
Apprais Val	224,500
Dep % Ovr	0
Dep Ovr Comment	
Misc Imp Ovr	0
Misc Imp Ovr Comment	
Cost to Cure Ovr	0
Cost to Cure Ovr Comment	



OB-OUTBUILDING & YARD ITEMS(L) / XF-BUILDING EXTRA FEATURES(B)

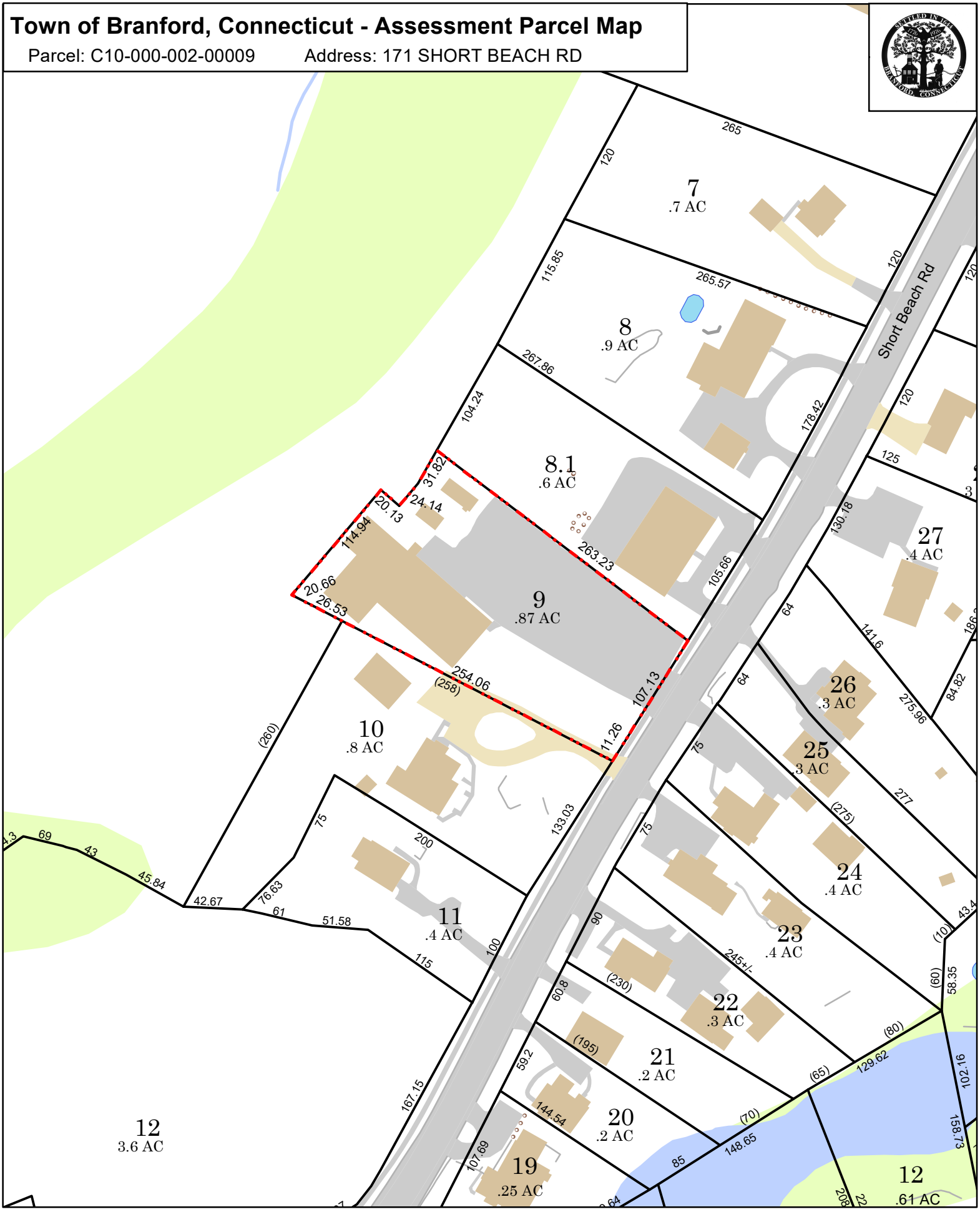
Code	Description	Sub	Sub Descript	L/B	Units	Unit Price	Yr	Gde	Dp Rt	Cnd	%Cnd	Apr Value
PAV1	PAVING-ASPH			L	17,220	1.65	2009		0		50	14,200
PAV2	PAVING-CON			L	600	3.30	2013		0		100	2,000
SHD6	SHED COM M			L	240	22.00	2013		0		100	5,300
SHD6	SHED COM M			L	360	22.00	2013		0		100	7,900
FN9	W/O TOP RL-8			L	200	9.90	2013		0		100	2,000
A/C	AIR CONDITI			B	1,884	2.20	1984		1		100	2,300

BUILDING SUB-AREA SUMMARY SECTION

Code	Description	Living Area	Gross Area	Eff. Area	Unit Cost	Undeprec. Value
AOF	Office	1,884	1,884	2,355	71.48	134,659
BAS	First Floor	4,644	4,644	4,644	57.18	265,544
UEP	Unfin Encl Porch	0	64	19	16.98	1,086
UST	Utility, Storage, Unfinished	0	480	120	14.30	6,862
	Ttl. Gross Liv/Lease Area:	6,528	7,072	7,138		408,151

Town of Branford, Connecticut - Assessment Parcel Map

Parcel: C10-000-002-00009 Address: 171 SHORT BEACH RD



Approximate Scale: 1 inch : 100 feet

Grand List Date June 2021

Disclaimer:
This map is for informational purposes only.
All information is subject to verification by any user. The Town of Branford and its mapping contractors assume no legal responsibility for the information contained herein.

EXHIBIT 3

AMERICAN TOWER®
CORPORATION

Structural Analysis Report

Structure	:	119 ft Monopole
ATC Asset Name	:	SHORT BEACH BRANFORD CT
ATC Asset Number	:	283422
Engineering Number	:	14523187_C3_02
Proposed Carrier	:	VERIZON WIRELESS
Carrier Site Name	:	BRANFORD SHORT BEACH CT
Carrier Site Number	:	5000381598
Site Location	:	171 Short Beach Road Branford, CT 06405-4930 41.2628° N, 72.8344° W
County	:	New Haven
Date	:	August 7, 2023
Max Usage	:	86%
Analysis Result	:	Pass

Created By:

Nathan Lyle
Structural Engineer I

Nathan Lyle

STATE OF CONNECTICUT
ESHA KAUSHAL MODI
32593
LICENSED
PROFESSIONAL ENGINEER

COA: PEC.0001553

Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 119 ft Monopole tower to reflect the change in loading by VERIZON WIRELESS.

Supporting Documents

Tower:	Sabre Job #73523, dated January 26, 2013
Foundation:	Sabre Job #73523, dated January 31, 2013
Geotechnical:	Terracon Project #J2135101, dated January 17, 2013

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:	121 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:	C
Risk Category:	II
Topographic Factor Procedure:	Method 1
Topographic Category:	1
Spectral Response:	Ss = 0.20, 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 contact American Tower Engineering via email at **Engineering@americantower.com.** Please include the American Tower asset name, asset number, and engineering number in the subject line for any questions.

Structure Usages

Structural Component	Usage	Control	Result
Pole Shaft	86.2%	1.2D + 1.0W	Pass
Base Plate @ 0.0 ft	70.1%	Rods	Pass
Mat & Pier	86.3%	Flexure [Steel (Mat)]	Pass
Pier	77.5%	Shear [Steel]	Pass

Maximum Reactions

Foundation	Moment (k-ft)	Axial (k)	Shear (k)
Monopole Base	2,197.2	38.5	23.4

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
100.0	1	Platform with Handrails	(12) 1 5/8" Coax (2) 1 5/8" Hybriflex
	2	Kaelus KA-6030	
	2	RFS DB-T1-6Z-8AB-0Z	
	3	Antel BXA-70063-6CF-EDIN-X	
	3	Commscope CBC78T-DS-43-2X	
	3	Samsung B2/B66A RRH-BR049	
	3	Samsung B5/B13 RRH-BR04C	
	3	Samsung MT6407-77A	
	6	Commscope JAHH-65B-R3B	

Other Existing/Reserved Loading

Elev (ft)	Qty	Equipment	Lines	Carrier
120.0	1	Commscope WCS-IMFQ-AMT	(2) 0.40" (10.3mm) Fiber (6) 0.78" (19.7mm) 8 AWG 6 (3) 2" conduit (3) 3/8" (0.38"- 9.5mm) RET Control Cable	AT&T MOBILITY
	1	Raycap DC6-48-60-0-8F		
	2	Raycap DC6-48-60-18-8F		
	3	CCI TPA65R-BU8A		
	3	Ericsson AIR 6419 B77G		
	3	Ericsson AIR 6449 B77D/ C-Band		
	3	Ericsson RRUS 32 B30 (60 lbs)		
	3	Ericsson RRUS 4449 B5, B12		
	3	Ericsson RRUS 4478 B14		
	3	Ericsson RRUS 8843 B2, B66A		
	3	Kathrein Scala 80010966		
117.0	3	Mount Reinforcement	-	AT&T MOBILITY
	3	Platform with Handrails		
90.0	1	Platform with Handrails	(1) 1.60" (40.6mm) Hybrid	DISH WIRELESS L.L.C.
	1	Raycap RDIDC-9181-PF-48		
	3	Fujitsu TA08025-B604		
	3	Fujitsu TA08025-B605		
	3	JMA Wireless MX08FRO665-21		

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

Standard Conditions

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

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

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

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

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

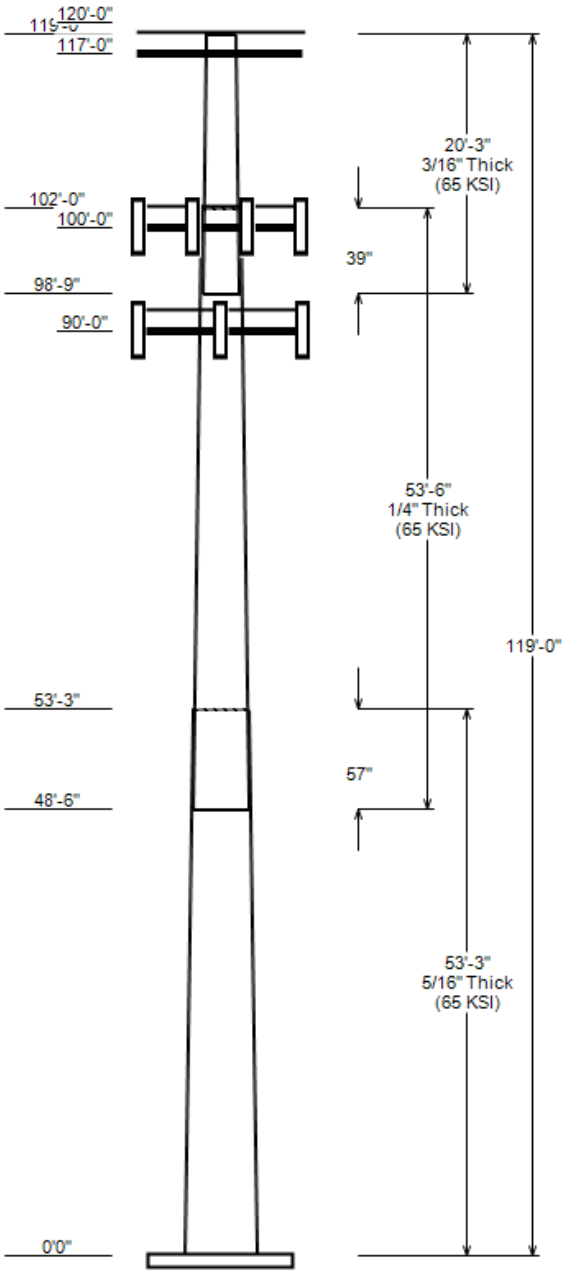
All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. A.T. Engineering Services LLC is not responsible for the conclusions, opinions and recommendations made by others based on the information supplied herein.

ANALYSIS PARAMETERS

Nominal Wind:	121 mph	**Ice Wind:**	50 mph w/ 1" ice	**Service Wind:**	60 mph
Risk Category:	II	**Exposure:**	C	**S_s:** 0.2	**S_1:** 0.053
Topo Category:	1	**Topo Factor:**	Method 1	**Topo Feature:**	
Structure Height:	119 ft	**Base Elevation:**	0.00 ft	**Structure Type:**	Taper
Base Diameter:	45.7 in	**Base Rotation:**	0°	**Taper:**	0.2420 (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	53.250	32.80	45.70	0.312		0.000	18 Sides	65
2	53.500	21.49	34.45	0.250	Slip Joint	57.000	18 Sides	65
3	20.250	17.75	22.66	0.188	Slip Joint	39.000	18 Sides	65



DISCRETE APPURTENANCE

Elev (ft)	Description
120.0	(1) Commscope WCS-IMFQ-AMT
120.0	(2) Raycap DC6-48-60-18-8F
120.0	(1) Raycap DC6-48-60-0-8F
120.0	(3) Ericsson RRUS 8843 B2, B66A
120.0	(3) Ericsson RRUS 4478 B14
120.0	(3) Ericsson RRUS 4449 B5, B12
120.0	(3) Ericsson RRUS 32 B30 (60 lbs)
120.0	(3) Ericsson AIR 6419 B77G
120.0	(3) Ericsson AIR 6449 B77D/ C-Band
120.0	(3) Kathrein Scala 80010966
120.0	(3) CCI TPA65R-BU8A
117.0	(3) Generic Mount Reinforcement
117.0	(3) Generic Round Platform with Ha
100.0	(3) Commscope CBC78T-DS-43-2X
100.0	(2) Kaelus KA-6030
100.0	(3) Samsung B5/B13 RRH-BR04C
100.0	(3) Samsung B2/B66A RRH-BR049
100.0	(3) Samsung MT6407-77A
100.0	(2) RFS DB-T1-6Z-8AB-0Z
100.0	(3) Antel BXA-70063-6CF-EDIN-X
100.0	(6) Commscope JAHH-65B-R3B
100.0	(1) Generic Round Platform with Ha
90.0	(1) Raycap RDIDC-9181-PF-48
90.0	(3) Fujitsu TA08025-B605
90.0	(3) Fujitsu TA08025-B604
90.0	(3) JMA Wireless MX08FRO665-21
90.0	(1) Generic Round Platform with Ha

LINEAR APPURTENANCE

Elev To (ft)	Description
120.0	(3) 3/8" (0.38"- 9.5mm) RET Control Cabl
120.0	(3) 2" conduit
120.0	(6) 0.78" (19.7mm) 8 AWG 6
120.0	(2) 0.40" (10.3mm) Fiber
100.0	(2) 1 5/8" Hybriflex
100.0	(12) 1 5/8" Coax
90.0	(1) 1.60" (40.6mm) Hybrid

GLOBAL BASE REACTIONS

Load Case	Moment (kip-ft)	Axial (kip)	Shear (kip)
1.2D + 1.0W	2197.16	38.52	23.37
0.9D + 1.0W	2152.98	28.88	23.34
1.2D + 1.0Di + 1.0Wi	580.62	51.62	6.16
1.2D + 1.0Ev + 1.0Eh	109.40	38.82	0.97
0.9D - 1.0Ev + 1.0Eh	106.46	26.78	0.97
1.0D + 1.0W	477.76	32.15	5.14

© 2007 - 2022 by ATC LLC. All rights reserved.

ANALYSIS PARAMETERS

Location:	New Haven County,CT	**Height:**	119 ft
Type and Shape:	Taper, 18 Sides	**Base Diameter:**	45.70 in
Manufacturer:	Sabre	**Top Diameter:**	17.75 in
K_d (non-service):	0.95	**Taper:**	0.2420 in/ft
K_e:	1.00	**Rotation:**	0.000º

ICE & WIND PARAMETERS

Risk Category:	II	**Design Wind Speed:**	121 mph
Exposure Category:	C	**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:**	59.00 ft

SEISMIC PARAMETERS

Analysis Method:	Equivalent Lateral Force Method				
Site Class:	D - Stiff Soil		**Period Based on Rayleigh Method (sec):**		2.88
T_L (sec):	6	**P:**	1	**$C_{s:}$**	0.030
$S_{s:}$	0.200	**$S_{1:}$**	0.053	**C_s Max:**	0.030
$F_{a:}$	1.600	**$F_{v:}$**	2.400	**C_s Min:**	0.030
$S_{ds:}$	0.213	**$S_{d1:}$**	0.085		

LOAD CASES

1.2D + 1.0W	121 mph Wind with No Ice
0.9D + 1.0W	121 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

©2007 - 2022 by ATC LLC. All rights reserved.

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	53.25	0.3125	65		0.00	6,998	45.70	0.000	45.02	11,716.6	24.02	146.24	32.80	53.25	32.22	4,297.3	16.74	104.96	0.2422
2-18	53.50	0.2500	65	Slip	57.00	4,004	34.45	48.500	27.14	4,010.8	22.54	137.81	21.49	102.00	16.86	961.0	13.40	85.97	0.2422
3-18	20.25	0.1875	65	Slip	39.00	821	22.66	98.750	13.37	852.7	19.54	120.83	17.75	119.00	10.45	407.3	14.93	94.67	0.2422
			Total Shaft Weight			**11,823**													

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
120.00	Ericsson RRUS 4449 B5, B12	3	0.75	0.000	71.00	1.969	0.50	113.03	2.577	0.50
120.00	Ericsson RRUS 4478 B14	3	0.75	0.000	59.90	1.842	0.50	95.96	2.427	0.50
120.00	Ericsson AIR 6419 B77G	3	0.75	0.000	66.10	3.797	0.50	129.38	4.656	0.50
120.00	Ericsson AIR 6449 B77D/ C-Band	3	0.75	0.000	81.60	4.028	0.50	157.57	4.923	0.50
120.00	Kathrein Scala 80010966	3	0.75	0.000	114.60	17.363	0.50	324.02	19.769	0.50
120.00	CCI TPA65R-BU8A	3	0.75	0.000	108.00	21.356	0.50	365.77	23.782	0.50
120.00	Ericsson RRUS 32 B30 (60 lbs)	3	0.75	0.000	60.00	2.692	0.50	106.34	3.445	0.50
120.00	Ericsson RRUS 8843 B2, B66A	3	0.75	0.000	72.00	1.639	0.50	111.98	2.190	0.50
120.00	Raycap DC6-48-60-0-8F	1	0.75	0.000	32.80	1.360	0.50	70.71	1.793	0.50
120.00	Raycap DC6-48-60-18-8F	2	0.75	-3.000	20.00	1.260	0.50	54.34	1.689	0.50
120.00	Commscope WCS-IMFQ-AMT	1	0.75	0.000	29.50	0.989	1.00	51.47	1.420	1.00
117.00	Generic Mount Reinforcement	3	0.75	0.000	200.00	4.980	0.67	326.00	8.217	0.67
117.00	Generic Round Platform with Ha	3	1.00	0.000	2500.00	27.200	1.00	3554.57	43.115	1.00
100.00	Samsung B5/B13 RRH-BR04C	3	0.75	0.000	70.30	1.875	0.50	106.97	2.454	0.50
100.00	Samsung MT6407-77A	3	0.75	0.000	81.60	4.709	0.61	146.94	5.683	0.61
100.00	RFS DB-T1-6Z-8AB-0Z	2	0.75	0.000	44.00	4.800	0.50	124.69	5.711	0.50
100.00	Antel BXA-70063-6CF-EDIN-X	3	0.75	0.000	17.00	7.569	0.50	111.88	9.337	0.50
100.00	Commscope JAHH-65B-R3B	6	0.75	0.000	60.60	9.113	0.50	190.30	10.892	0.50
100.00	Generic Round Platform with Ha	1	1.00	0.000	2500.00	27.200	1.00	3538.39	42.871	1.00
100.00	Samsung B2/B66A RRH-BR049	3	0.75	0.000	84.40	1.875	0.50	125.30	2.454	0.50
100.00	Commscope CBC78T-DS-43-2X	3	0.75	0.000	20.70	0.552	0.50	34.86	0.878	0.50
100.00	Kaelus KA-6030	2	0.75	0.000	17.60	0.963	0.50	32.72	1.382	0.50
90.00	Generic Round Platform with Ha	1	1.00	0.000	2500.00	27.200	1.00	3525.26	42.673	1.00
90.00	JMA Wireless MX08FRO665-21	3	0.75	0.000	64.50	12.489	0.64	227.19	14.268	0.64
90.00	Fujitsu TA08025-B605	3	0.75	0.000	75.00	1.962	0.50	114.65	2.544	0.50
90.00	Fujitsu TA08025-B604	3	0.75	0.000	63.90	1.962	0.50	100.81	2.544	0.50
90.00	Raycap RDIDC-9181-PF-48	1	0.75	0.000	21.90	1.867	0.50	57.84	2.437	0.50
Totals	**Row Count: 27**	**71**			**17,042.80**			**27,568.63**		

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	120.00	6	0.78" (19.7mm) 8 AWG	0.78	0.59	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	120.00	3	3/8" (0.38"- 9.5mm) R	0.38	0.23	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	120.00	3	2" conduit	2.38	3.65	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	120.00	2	0.40" (10.3mm) Fiber	0.4	0.09	N	0	0	0	0	0	N	AT&T MOBILITY
0.00	100.00	12	1 5/8" Coax	1.98	0.82	N	0	0	0	0	0	N	VERIZON WIRELESS
0.00	100.00	2	1 5/8" Hybriflex	1.98	1.3	N	0	0	0	0	0	N	VERIZON WIRELESS
0.00	90.00	1	1.60" (40.6mm) Hybrid	1.6	2.34	N	0	0	0	0	0	N	DISH WIRELESS L.L.C.

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		0.3125	45.700	45.017	11,716.60	24.02	146.24	73.1	505.0	0.0	0.0
5.00		0.3125	44.489	43.816	10,803.50	23.34	142.36	73.9	478.3	0.0	755.7
10.00		0.3125	43.278	42.615	9,939.10	22.66	138.49	74.8	452.3	0.0	735.3

©2007 - 2022 by ATC LLC. All rights reserved.

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)
15.00		0.3125	42.067	41.413	9,122.00	21.97	134.61	75.6	427.1	0.0	714.8
20.00		0.3125	40.855	40.212	8,351.00	21.29	130.74	76.4	402.6	0.0	694.4
25.00		0.3125	39.644	39.011	7,624.70	20.61	126.86	77.2	378.8	0.0	673.9
30.00		0.3125	38.433	37.810	6,941.80	19.92	122.99	78	355.8	0.0	653.5
35.00		0.3125	37.222	36.608	6,301.00	19.24	119.11	78.8	333.4	0.0	633.1
40.00		0.3125	36.011	35.407	5,700.80	18.56	115.23	79.6	311.8	0.0	612.6
45.00		0.3125	34.800	34.206	5,140.00	17.87	111.36	80.4	290.9	0.0	592.2
48.50	Bot - Section 2	0.3125	33.952	33.365	4,770.20	17.39	108.65	80.9	276.7	0.0	402.4
50.00		0.3125	33.589	33.004	4,617.30	17.19	107.48	81.2	270.8	0.0	307.2
53.25	Top - Section 1	0.2500	33.301	26.225	3,619.50	21.72	133.21	75.8	214.1	0.0	654.2
55.00		0.2500	32.877	25.889	3,482.00	21.43	131.51	76.2	208.6	0.0	155.2
60.00		0.2500	31.666	24.928	3,108.50	20.57	126.66	77.2	193.3	0.0	432.3
65.00		0.2500	30.455	23.967	2,762.60	19.72	121.82	78.2	178.7	0.0	415.9
70.00		0.2500	29.244	23.006	2,443.50	18.86	116.98	79.2	164.6	0.0	399.6
75.00		0.2500	28.033	22.045	2,149.90	18.01	112.13	80.2	151.1	0.0	383.2
80.00		0.2500	26.822	21.084	1,880.80	17.15	107.29	81.2	138.1	0.0	366.9
85.00		0.2500	25.610	20.123	1,635.10	16.30	102.44	82.2	125.8	0.0	350.5
90.00		0.2500	24.399	19.162	1,411.90	15.45	97.60	82.6	114.0	0.0	334.2
95.00		0.2500	23.188	18.201	1,209.90	14.59	92.75	82.6	102.8	0.0	317.8
98.75	Bot - Section 3	0.2500	22.280	17.480	1,071.80	13.95	89.12	82.6	94.8	0.0	227.7
100.00		0.2500	21.977	17.240	1,028.20	13.74	87.91	82.6	92.2	0.0	130.3
102.00	Top - Section 2	0.1875	21.868	12.902	766.20	18.80	116.63	79.3	69.0	0.0	204.8
105.00		0.1875	21.141	12.469	691.70	18.12	112.75	80.1	64.4	0.0	129.5
110.00		0.1875	19.930	11.749	578.50	16.98	106.29	81.4	57.2	0.0	206.0
115.00		0.1875	18.719	11.028	478.50	15.84	99.83	82.6	50.3	0.0	193.8
117.00		0.1875	18.234	10.740	441.90	15.38	97.25	82.6	47.7	0.0	74.1
119.00		0.1875	17.750	10.451	407.30	14.93	94.66	82.6	45.2	0.0	72.1
										Total:	**11,823.2**

CALCULATED FORCES

Load Case: 1.2D + 1.0W — 121 mph Wind with No Ice — 24 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	-38.52	-23.37	0.00	-2,197.2	0.00	2,197.16	2,963.53	790.05	3,238.73	2,770.25	0	0	0.807
5.00	-37.33	-23.08	0.00	-2,080.3	0.00	2,080.34	2,916.14	768.97	3,068.20	2,652.71	0.14	-0.26	0.798
10.00	-36.16	-22.80	0.00	-1,965.0	0.00	1,964.95	2,867.02	747.89	2,902.29	2,536.02	0.55	-0.53	0.788
15.00	-35.02	-22.52	0.00	-1,851.0	0.00	1,850.96	2,816.16	726.80	2,740.99	2,420.31	1.25	-0.8	0.778
20.00	-33.91	-22.22	0.00	-1,738.4	0.00	1,738.39	2,763.56	705.72	2,584.30	2,305.70	2.24	-1.08	0.767
25.00	-32.82	-21.92	0.00	-1,627.3	0.00	1,627.27	2,709.22	684.64	2,432.22	2,192.32	3.52	-1.37	0.755
30.00	-31.75	-21.60	0.00	-1,517.7	0.00	1,517.68	2,653.15	663.56	2,284.75	2,080.31	5.11	-1.66	0.743
35.00	-30.71	-21.28	0.00	-1,409.7	0.00	1,409.68	2,595.33	642.47	2,141.89	1,969.80	7.01	-1.96	0.729
40.00	-29.70	-20.95	0.00	-1,303.3	0.00	1,303.29	2,535.78	621.39	2,003.65	1,860.92	9.22	-2.27	0.713
45.00	-28.73	-20.67	0.00	-1,198.5	0.00	1,198.52	2,474.50	600.31	1,870.02	1,753.80	11.76	-2.58	0.696
48.50	-28.08	-20.49	0.00	-1,126.2	0.00	1,126.19	2,430.56	585.55	1,779.22	1,679.93	13.74	-2.8	0.683
50.00	-27.61	-20.34	0.00	-1,095.4	0.00	1,095.45	2,411.47	579.23	1,740.99	1,648.57	14.63	-2.9	0.677
53.25	-26.66	-20.14	0.00	-1,029.4	0.00	1,029.36	1,790.24	460.25	1,373.97	1,217.81	16.68	-3.11	0.862
55.00	-26.34	-19.95	0.00	-994.1	0.00	994.11	1,775.47	454.35	1,338.95	1,192.16	17.85	-3.23	0.851
60.00	-25.54	-19.65	0.00	-894.4	0.00	894.37	1,732.11	437.48	1,241.40	1,119.54	21.44	-3.62	0.816
65.00	-24.76	-19.34	0.00	-796.1	0.00	796.14	1,687.00	420.62	1,147.54	1,048.02	25.43	-4	0.776
70.00	-24.00	-19.04	0.00	-699.4	0.00	699.42	1,640.16	403.75	1,057.37	977.73	29.83	-4.39	0.732
75.00	-23.27	-18.74	0.00	-604.2	0.00	604.21	1,591.58	386.89	970.89	908.80	34.63	-4.77	0.682
80.00	-22.57	-18.44	0.00	-510.5	0.00	510.50	1,541.26	370.02	888.10	841.36	39.82	-5.14	0.624
85.00	-21.90	-18.14	0.00	-418.3	0.00	418.29	1,489.21	353.16	808.99	775.54	45.38	-5.49	0.557
90.00	-17.78	-15.02	0.00	-327.6	0.00	327.59	1,423.62	336.29	733.58	705.64	51.3	-5.81	0.479
95.00	-17.20	-14.73	0.00	-252.5	0.00	252.47	1,352.23	319.42	661.85	636.29	57.54	-6.11	0.412
98.75	-16.79	-14.56	0.00	-197.2	0.00	197.22	1,298.68	306.77	610.48	586.63	62.41	-6.3	0.351
100.00	-12.44	-10.40	0.00	-179.0	0.00	179.03	1,280.83	302.56	593.82	570.53	64.07	-6.37	0.325
102.00	-12.16	-10.23	0.00	-158.2	0.00	158.22	920.66	226.43	443.40	410.37	66.75	-6.46	0.401

©2007 - 2022 by ATC LLC. All rights reserved.

CALCULATED FORCES

105.00	-11.95	-9.99	0.00	-127.5	0.00	127.53	898.82	218.84	414.18	387.09	70.84	-6.59	0.345
110.00	-11.62	-9.67	0.00	-77.6	0.00	77.60	861.03	206.19	367.69	349.19	77.84	-6.8	0.238
115.00	-11.31	-9.44	0.00	-29.2	0.00	29.24	819.32	193.54	323.96	311.70	85.03	-6.93	0.110
117.00	-2.10	-3.61	0.00	-10.4	0.00	10.36	797.90	188.48	307.25	295.53	87.93	-6.95	0.038
119.00	0.00	-3.33	0.00	-3.1	0.00	3.13	776.48	183.42	290.98	279.80	90.84	-6.96	0.012

©2007 - 2022 by ATC LLC. All rights reserved.

CALCULATED FORCES

Load Case: 0.9D + 1.0W — 121 mph Wind with No Ice (Reduced DL) — 23 Iterations

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

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (ft-kips)	Phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-28.88	-23.34	0.00	-2,153.0	0.00	2,152.98	2,963.53	790.05	3,238.73	2,770.25	0	0	0.788
5.00	-27.96	-23.01	0.00	-2,036.3	0.00	2,036.28	2,916.14	768.97	3,068.20	2,652.71	0.14	-0.25	0.778
10.00	-27.06	-22.68	0.00	-1,921.2	0.00	1,921.24	2,867.02	747.89	2,902.29	2,536.02	0.54	-0.51	0.768
15.00	-26.19	-22.36	0.00	-1,807.8	0.00	1,807.82	2,816.16	726.80	2,740.99	2,420.31	1.23	-0.78	0.757
20.00	-25.33	-22.03	0.00	-1,696.0	0.00	1,696.01	2,763.56	705.72	2,584.30	2,305.70	2.19	-1.05	0.746
25.00	-24.49	-21.68	0.00	-1,585.9	0.00	1,585.88	2,709.22	684.64	2,432.22	2,192.32	3.45	-1.33	0.733
30.00	-23.67	-21.33	0.00	-1,477.5	0.00	1,477.48	2,653.15	663.56	2,284.75	2,080.31	5	-1.62	0.720
35.00	-22.87	-20.97	0.00	-1,370.8	0.00	1,370.85	2,595.33	642.47	2,141.89	1,969.80	6.85	-1.91	0.706
40.00	-22.09	-20.61	0.00	-1,266.0	0.00	1,266.01	2,535.78	621.39	2,003.65	1,860.92	9.01	-2.21	0.690
45.00	-21.35	-20.29	0.00	-1,163.0	0.00	1,162.98	2,474.50	600.31	1,870.02	1,753.80	11.49	-2.51	0.673
48.50	-20.85	-20.11	0.00	-1,092.0	0.00	1,091.96	2,430.56	585.55	1,779.22	1,679.93	13.41	-2.73	0.660
50.00	-20.49	-19.93	0.00	-1,061.8	0.00	1,061.80	2,411.47	579.23	1,740.99	1,648.57	14.29	-2.83	0.654
53.25	-19.77	-19.73	0.00	-997.0	0.00	997.03	1,790.24	460.25	1,373.97	1,217.81	16.28	-3.03	0.832
55.00	-19.51	-19.51	0.00	-962.5	0.00	962.50	1,775.47	454.35	1,338.95	1,192.16	17.42	-3.15	0.820
60.00	-18.89	-19.17	0.00	-865.0	0.00	864.97	1,732.11	437.48	1,241.40	1,119.54	20.91	-3.52	0.785
65.00	-18.29	-18.83	0.00	-769.2	0.00	769.15	1,687.00	420.62	1,147.54	1,048.02	24.8	-3.89	0.747
70.00	-17.70	-18.49	0.00	-675.0	0.00	675.01	1,640.16	403.75	1,057.37	977.73	29.07	-4.27	0.703
75.00	-17.14	-18.16	0.00	-582.5	0.00	582.54	1,591.58	386.89	970.89	908.80	33.74	-4.63	0.654
80.00	-16.60	-17.84	0.00	-491.7	0.00	491.72	1,541.26	370.02	888.10	841.36	38.78	-4.99	0.598
85.00	-16.09	-17.51	0.00	-402.6	0.00	402.55	1,489.21	353.16	808.99	775.54	44.18	-5.33	0.532
90.00	-13.04	-14.48	0.00	-315.0	0.00	315.00	1,423.62	336.29	733.58	705.64	49.92	-5.64	0.457
95.00	-12.60	-14.19	0.00	-242.6	0.00	242.59	1,352.23	319.42	661.85	636.29	55.97	-5.92	0.393
98.75	-12.29	-14.01	0.00	-189.4	0.00	189.40	1,298.68	306.77	610.48	586.63	60.69	-6.11	0.334
100.00	-9.12	-9.99	0.00	-171.9	0.00	171.89	1,280.83	302.56	593.82	570.53	62.3	-6.17	0.309
102.00	-8.91	-9.82	0.00	-151.9	0.00	151.90	920.66	226.43	443.40	410.37	64.89	-6.26	0.382
105.00	-8.75	-9.57	0.00	-122.4	0.00	122.43	898.82	218.84	414.18	387.09	68.86	-6.38	0.328
110.00	-8.51	-9.26	0.00	-74.6	0.00	74.56	861.03	206.19	367.69	349.19	75.64	-6.58	0.225
115.00	-8.28	-9.03	0.00	-28.3	0.00	28.26	819.32	193.54	323.96	311.70	82.6	-6.71	0.103
117.00	-1.49	-3.53	0.00	-10.2	0.00	10.19	797.90	188.48	307.25	295.53	85.41	-6.73	0.037
119.00	0.00	-3.33	0.00	-3.1	0.00	3.13	776.48	183.42	290.98	279.80	88.23	-6.74	0.012

©2007 - 2022 by ATC LLC. All rights reserved.

CALCULATED FORCES

Load Case: 1.2D + 1.0Di + 1.0Wi — 50 mph Wind with 1" Radial Ice — 23 Iterations

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

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (ft-kips)	Phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-51.62	-6.16	0.00	-580.6	0.00	580.62	2,963.53	790.05	3,238.73	2,770.25	0	0	0.227
5.00	-50.30	-6.09	0.00	-549.8	0.00	549.82	2,916.14	768.97	3,068.20	2,652.71	0.04	-0.07	0.225
10.00	-48.99	-6.02	0.00	-519.4	0.00	519.37	2,867.02	747.89	2,902.29	2,536.02	0.15	-0.14	0.222
15.00	-47.70	-5.95	0.00	-489.3	0.00	489.28	2,816.16	726.80	2,740.99	2,420.31	0.33	-0.21	0.219
20.00	-46.44	-5.87	0.00	-459.6	0.00	459.55	2,763.56	705.72	2,584.30	2,305.70	0.59	-0.29	0.216
25.00	-45.20	-5.79	0.00	-430.2	0.00	430.20	2,709.22	684.64	2,432.22	2,192.32	0.93	-0.36	0.213
30.00	-43.98	-5.71	0.00	-401.2	0.00	401.24	2,653.15	663.56	2,284.75	2,080.31	1.35	-0.44	0.210
35.00	-42.79	-5.62	0.00	-372.7	0.00	372.69	2,595.33	642.47	2,141.89	1,969.80	1.85	-0.52	0.206
40.00	-41.64	-5.54	0.00	-344.6	0.00	344.57	2,535.78	621.39	2,003.65	1,860.92	2.44	-0.6	0.202
45.00	-40.51	-5.46	0.00	-316.9	0.00	316.88	2,474.50	600.31	1,870.02	1,753.80	3.11	-0.68	0.197
48.50	-39.74	-5.42	0.00	-297.8	0.00	297.76	2,430.56	585.55	1,779.22	1,679.93	3.63	-0.74	0.194
50.00	-39.24	-5.37	0.00	-289.6	0.00	289.64	2,411.47	579.23	1,740.99	1,648.57	3.87	-0.77	0.192
53.25	-38.19	-5.32	0.00	-272.2	0.00	272.17	1,790.24	460.25	1,373.97	1,217.81	4.41	-0.82	0.245
55.00	-37.86	-5.27	0.00	-262.9	0.00	262.86	1,775.47	454.35	1,338.95	1,192.16	4.72	-0.85	0.242
60.00	-36.94	-5.19	0.00	-236.5	0.00	236.49	1,732.11	437.48	1,241.40	1,119.54	5.67	-0.96	0.233
65.00	-36.04	-5.12	0.00	-210.5	0.00	210.52	1,687.00	420.62	1,147.54	1,048.02	6.73	-1.06	0.222
70.00	-35.17	-5.04	0.00	-184.9	0.00	184.94	1,640.16	403.75	1,057.37	977.73	7.89	-1.16	0.211
75.00	-34.33	-4.96	0.00	-159.8	0.00	159.76	1,591.58	386.89	970.89	908.80	9.16	-1.26	0.198
80.00	-33.51	-4.88	0.00	-135.0	0.00	134.98	1,541.26	370.02	888.10	841.36	10.53	-1.36	0.182
85.00	-32.72	-4.79	0.00	-110.6	0.00	110.61	1,489.21	353.16	808.99	775.54	12.01	-1.45	0.165
90.00	-26.84	-3.99	0.00	-86.6	0.00	86.65	1,423.62	336.29	733.58	705.64	13.57	-1.54	0.142
95.00	-26.12	-3.90	0.00	-66.7	0.00	66.71	1,352.23	319.42	661.85	636.29	15.23	-1.61	0.124
98.75	-25.60	-3.85	0.00	-52.1	0.00	52.08	1,298.68	306.77	610.48	586.63	16.51	-1.67	0.109
100.00	-18.67	-2.80	0.00	-47.3	0.00	47.26	1,280.83	302.56	593.82	570.53	16.95	-1.68	0.098
102.00	-18.33	-2.74	0.00	-41.7	0.00	41.67	920.66	226.43	443.40	410.37	17.66	-1.71	0.122
105.00	-18.02	-2.67	0.00	-33.4	0.00	33.44	898.82	218.84	414.18	387.09	18.75	-1.74	0.107
110.00	-17.54	-2.57	0.00	-20.1	0.00	20.10	861.03	206.19	367.69	349.19	20.6	-1.8	0.078
115.00	-17.07	-2.50	0.00	-7.2	0.00	7.25	819.32	193.54	323.96	311.70	22.5	-1.83	0.044
117.00	-4.46	-0.82	0.00	-2.3	0.00	2.26	797.90	188.48	307.25	295.53	23.27	-1.84	0.013
119.00	0.00	-0.67	0.00	-0.6	0.00	0.62	776.48	183.42	290.98	279.80	24.04	-1.84	0.002

©2007 - 2022 by ATC LLC. All rights reserved.

CALCULATED FORCES

Load Case: 1.0D + 1.0W — 60 mph Wind with No Ice — 22 Iterations

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

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	Phi Pn (kips)	Phi Vn (kips)	Phi Tn (ft-kips)	Phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-32.15	-5.14	0.00	-477.8	0.00	477.76	2,963.53	790.05	3,238.73	2,770.25	0	0	0.183
5.00	-31.23	-5.07	0.00	-452.1	0.00	452.08	2,916.14	768.97	3,068.20	2,652.71	0.03	-0.06	0.181
10.00	-30.34	-5.00	0.00	-426.8	0.00	426.75	2,867.02	747.89	2,902.29	2,536.02	0.12	-0.11	0.179
15.00	-29.47	-4.93	0.00	-401.8	0.00	401.76	2,816.16	726.80	2,740.99	2,420.31	0.27	-0.17	0.177
20.00	-28.62	-4.86	0.00	-377.1	0.00	377.10	2,763.56	705.72	2,584.30	2,305.70	0.49	-0.23	0.174
25.00	-27.79	-4.79	0.00	-352.8	0.00	352.80	2,709.22	684.64	2,432.22	2,192.32	0.77	-0.3	0.171
30.00	-26.98	-4.71	0.00	-328.9	0.00	328.86	2,653.15	663.56	2,284.75	2,080.31	1.11	-0.36	0.168
35.00	-26.20	-4.64	0.00	-305.3	0.00	305.29	2,595.33	642.47	2,141.89	1,969.80	1.52	-0.43	0.165
40.00	-25.43	-4.56	0.00	-282.1	0.00	282.10	2,535.78	621.39	2,003.65	1,860.92	2	-0.49	0.162
45.00	-24.68	-4.50	0.00	-259.3	0.00	259.29	2,474.50	600.31	1,870.02	1,753.80	2.55	-0.56	0.158
48.50	-24.17	-4.46	0.00	-243.6	0.00	243.55	2,430.56	585.55	1,779.22	1,679.93	2.98	-0.61	0.155
50.00	-23.82	-4.42	0.00	-236.9	0.00	236.87	2,411.47	579.23	1,740.99	1,648.57	3.18	-0.63	0.154
53.25	-23.06	-4.38	0.00	-222.5	0.00	222.51	1,790.24	460.25	1,373.97	1,217.81	3.62	-0.68	0.196
55.00	-22.85	-4.33	0.00	-214.8	0.00	214.85	1,775.47	454.35	1,338.95	1,192.16	3.87	-0.7	0.193
60.00	-22.26	-4.26	0.00	-193.2	0.00	193.20	1,732.11	437.48	1,241.40	1,119.54	4.65	-0.78	0.186
65.00	-21.69	-4.19	0.00	-171.9	0.00	171.90	1,687.00	420.62	1,147.54	1,048.02	5.52	-0.87	0.177
70.00	-21.14	-4.12	0.00	-151.0	0.00	150.95	1,640.16	403.75	1,057.37	977.73	6.47	-0.95	0.167
75.00	-20.60	-4.05	0.00	-130.4	0.00	130.35	1,591.58	386.89	970.89	908.80	7.51	-1.03	0.156
80.00	-20.08	-3.98	0.00	-110.1	0.00	110.09	1,541.26	370.02	888.10	841.36	8.64	-1.11	0.144
85.00	-19.57	-3.91	0.00	-90.2	0.00	90.18	1,489.21	353.16	808.99	775.54	9.84	-1.19	0.130
90.00	-15.97	-3.24	0.00	-70.6	0.00	70.60	1,423.62	336.29	733.58	705.64	11.12	-1.26	0.111
95.00	-15.51	-3.18	0.00	-54.4	0.00	54.40	1,352.23	319.42	661.85	636.29	12.48	-1.32	0.097
98.75	-15.18	-3.14	0.00	-42.5	0.00	42.48	1,298.68	306.77	610.48	586.63	13.53	-1.36	0.084
100.00	-11.22	-2.24	0.00	-38.6	0.00	38.56	1,280.83	302.56	593.82	570.53	13.89	-1.38	0.076
102.00	-10.99	-2.20	0.00	-34.1	0.00	34.08	920.66	226.43	443.40	410.37	14.47	-1.4	0.095
105.00	-10.81	-2.15	0.00	-27.5	0.00	27.47	898.82	218.84	414.18	387.09	15.36	-1.42	0.083
110.00	-10.53	-2.08	0.00	-16.7	0.00	16.73	861.03	206.19	367.69	349.19	16.87	-1.47	0.060
115.00	-10.26	-2.03	0.00	-6.3	0.00	6.32	819.32	193.54	323.96	311.70	18.43	-1.5	0.033
117.00	-2.08	-0.79	0.00	-2.3	0.00	2.26	797.90	188.48	307.25	295.53	19.06	-1.5	0.010
119.00	0.00	-0.73	0.00	-0.7	0.00	0.69	776.48	183.42	290.98	279.80	19.69	-1.5	0.002

©2007 - 2022 by ATC LLC. All rights reserved.

EQUIVALENT LATERAL FORCES METHOD ANALYSIS

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

Spectral Response Acceleration for Short Period (S_S):	0.200
Spectral Response Acceleration at 1.0 Second Period (S_1):	0.053
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}):	0.213
Design Spectral Response Acceleration at 1.0 Second Period (S_{d1}):	0.085
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):	2.880
Redundancy Factor (p):	1.000
Seismic Force Distribution Exponent (k):	2.000
Total Unfactored Dead Load:	32.150 k
Seismic Base Shear (E):	0.960 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)
29	118	103	1,432	0.006	5	128
28	116	105	1,410	0.006	5	130
27	112.5	271	3,424	0.014	13	336
26	107.5	283	3,268	0.013	12	351
25	103.5	176	1,881	0.007	7	218
24	101	236	2,403	0.010	9	293
23	99.375	165	1,630	0.006	6	205
22	96.875	332	3,115	0.012	12	412
21	92.5	457	3,909	0.015	15	568
20	87.5	485	3,712	0.015	14	603
19	82.5	501	3,412	0.013	13	623
18	77.5	518	3,109	0.012	12	643
17	72.5	534	2,807	0.011	11	664
16	67.5	550	2,507	0.010	10	684
15	62.5	567	2,213	0.009	8	704
14	57.5	583	1,928	0.008	7	724
13	54.125	208	609	0.002	2	258
12	51.625	752	2,004	0.008	8	935
11	49.25	352	855	0.003	3	438
10	46.75	508	1,110	0.004	4	631
9	42.5	743	1,342	0.005	5	923
8	37.5	763	1,073	0.004	4	949
7	32.5	784	828	0.003	3	974
6	27.5	804	608	0.002	2	999
5	22.5	825	417	0.002	2	1,025
4	17.5	845	259	0.001	1	1,050
3	12.5	866	135	0.000	1	1,076
2	7.5	886	50	0.000	0	1,101
1	2.5	906	6	0.000	0	1,126
Commscope WCS-IMFQ-AMT	119	30	418	0.002	2	37
Raycap DC6-48-60-18-8F	119	40	566	0.002	2	50
Raycap DC6-48-60-0-8F	119	33	464	0.002	2	41
Ericsson RRUS 8843 B2, B66A	119	216	3,059	0.012	12	268
Ericsson RRUS 4478 B14	119	180	2,545	0.010	10	223
Ericsson RRUS 4449 B5, B12	119	213	3,016	0.012	11	265
Ericsson RRUS 32 B30 (60 lbs)	119	180	2,549	0.010	10	224
Ericsson AIR 6419 B77G	119	198	2,808	0.011	11	246
Ericsson AIR 6449 B77D/ C-Band	119	245	3,467	0.014	13	304

©2007 - 2022 by ATC LLC. All rights reserved.

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)
Kathrein Scala 80010966	119	344	4,869	0.019	18	427
CCI TPA65R-BU8A	119	324	4,588	0.018	17	403
Generic Mount Reinforcement	117	600	8,213	0.032	31	746
Generic Round Platform with Handrails	117	7,500	102,668	0.404	390	9,320
Generic Round Platform with Handrails	100	2,500	25,000	0.098	95	3,107
Generic Round Platform with Handrails	90	2,500	20,250	0.080	77	3,107
Commscope CBC78T-DS-43-2X	100	62	621	0.002	2	77
Kaelus KA-6030	100	35	352	0.001	1	44
Samsung B2/B66A RRH-BR049	100	253	2,532	0.010	10	315
Samsung B5/B13 RRH-BR04C	100	211	2,109	0.008	8	262
Samsung MT6407-77A	100	245	2,448	0.010	9	304
RFS DB-T1-6Z-8AB-0Z	100	88	880	0.004	3	109
Antel BXA-70063-6CF-EDIN-X	100	51	510	0.002	2	63
Commscope JAHH-65B-R3B	100	364	3,636	0.014	14	452
Raycap RDIDC-9181-PF-48	90	22	177	0.001	1	27
Fujitsu TA08025-B604	90	192	1,553	0.006	6	238
Fujitsu TA08025-B605	90	225	1,822	0.007	7	280
JMA Wireless MX08FRO665-21	90	194	1,567	0.006	6	240
	Totals:	**32,148**	**254,144**	**1.000**	**964**	**39,950**

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)
29	118	103	1,432	0.006	5	88
28	116	105	1,410	0.006	5	90
27	112.5	271	3,424	0.014	13	232
26	107.5	283	3,268	0.013	12	242
25	103.5	176	1,881	0.007	7	151
24	101	236	2,403	0.010	9	202
23	99.375	165	1,630	0.006	6	142
22	96.875	332	3,115	0.012	12	285
21	92.5	457	3,909	0.015	15	392
20	87.5	485	3,712	0.015	14	416
19	82.5	501	3,412	0.013	13	430
18	77.5	518	3,109	0.012	12	444
17	72.5	534	2,807	0.011	11	458
16	67.5	550	2,507	0.010	10	472
15	62.5	567	2,213	0.009	8	486
14	57.5	583	1,928	0.008	7	500
13	54.125	208	609	0.002	2	178
12	51.625	752	2,004	0.008	8	645
11	49.25	352	855	0.003	3	302
10	46.75	508	1,110	0.004	4	435
9	42.5	743	1,342	0.005	5	637
8	37.5	763	1,073	0.004	4	654
7	32.5	784	828	0.003	3	672
6	27.5	804	608	0.002	2	689
5	22.5	825	417	0.002	2	707
4	17.5	845	259	0.001	1	725
3	12.5	866	135	0.000	1	742
2	7.5	886	50	0.000	0	760
1	2.5	906	6	0.000	0	777
Commscope WCS-IMFQ-AMT	119	30	418	0.002	2	25
Raycap DC6-48-60-18-8F	119	40	566	0.002	2	34
Raycap DC6-48-60-0-8F	119	33	464	0.002	2	28
Ericsson RRUS 8843 B2, B66A	119	216	3,059	0.012	12	185
Ericsson RRUS 4478 B14	119	180	2,545	0.010	10	154
Ericsson RRUS 4449 B5, B12	119	213	3,016	0.012	11	183
Ericsson RRUS 32 B30 (60 lbs)	119	180	2,549	0.010	10	154
Ericsson AIR 6419 B77G	119	198	2,808	0.011	11	170

©2007 - 2022 by ATC LLC. All rights reserved.

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 AIR 6449 B77D/ C-Band	119	245	3,467	0.014	13	210
Kathrein Scala 80010966	119	344	4,869	0.019	18	295
CCI TPA65R-BU8A	119	324	4,588	0.018	17	278
Generic Mount Reinforcement	117	600	8,213	0.032	31	514
Generic Round Platform with Handrails	117	7,500	102,668	0.404	390	6,430
Generic Round Platform with Handrails	100	2,500	25,000	0.098	95	2,143
Generic Round Platform with Handrails	90	2,500	20,250	0.080	77	2,143
Commscope CBC78T-DS-43-2X	100	62	621	0.002	2	53
Kaelus KA-6030	100	35	352	0.001	1	30
Samsung B2/B66A RRH-BR049	100	253	2,532	0.010	10	217
Samsung B5/B13 RRH-BR04C	100	211	2,109	0.008	8	181
Samsung MT6407-77A	100	245	2,448	0.010	9	210
RFS DB-T1-6Z-8AB-0Z	100	88	880	0.004	3	75
Antel BXA-70063-6CF-EDIN-X	100	51	510	0.002	2	44
Commscope JAHH-65B-R3B	100	364	3,636	0.014	14	312
Raycap RDIDC-9181-PF-48	90	22	177	0.001	1	19
Fujitsu TA08025-B604	90	192	1,553	0.006	6	164
Fujitsu TA08025-B605	90	225	1,822	0.007	7	193
JMA Wireless MX08FRO665-21	90	194	1,567	0.006	6	166
	Totals:	**32,148**	**254,144**	**1.000**	**964**	**27,562**

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	-38.82	-0.97	0.00	-109.40	0.00	109.40	2,963.53	790.05	3,239	2,770.25	0.00	0.00	0.05
5.00	-37.72	-0.98	0.00	-104.56	0.00	104.56	2,916.14	768.97	3,068	2,652.71	0.01	-0.01	0.05
10.00	-36.65	-0.98	0.00	-99.67	0.00	99.67	2,867.02	747.89	2,902	2,536.02	0.03	-0.03	0.05
15.00	-35.60	-0.99	0.00	-94.75	0.00	94.75	2,816.16	726.80	2,741	2,420.31	0.06	-0.04	0.05
20.00	-34.57	-1.00	0.00	-89.79	0.00	89.79	2,763.56	705.72	2,584	2,305.70	0.11	-0.05	0.05
25.00	-33.57	-1.00	0.00	-84.80	0.00	84.80	2,709.22	684.64	2,432	2,192.32	0.18	-0.07	0.05
30.00	-32.60	-1.01	0.00	-79.78	0.00	79.78	2,653.15	663.56	2,285	2,080.31	0.26	-0.08	0.05
35.00	-31.65	-1.01	0.00	-74.74	0.00	74.74	2,595.33	642.47	2,142	1,969.80	0.36	-0.10	0.05
40.00	-30.72	-1.01	0.00	-69.69	0.00	69.69	2,535.78	621.39	2,004	1,860.92	0.47	-0.12	0.05
45.00	-30.09	-1.02	0.00	-64.62	0.00	64.62	2,474.50	600.31	1,870	1,753.80	0.60	-0.13	0.05
48.50	-29.66	-1.02	0.00	-61.07	0.00	61.07	2,430.56	585.55	1,779	1,679.93	0.71	-0.15	0.05
50.00	-28.72	-1.01	0.00	-59.54	0.00	59.54	2,411.47	579.23	1,741	1,648.57	0.75	-0.15	0.05
53.25	-28.46	-1.01	0.00	-56.26	0.00	56.26	1,790.24	460.25	1,374	1,217.81	0.86	-0.16	0.06
55.00	-27.74	-1.01	0.00	-54.49	0.00	54.49	1,775.47	454.35	1,339	1,192.16	0.92	-0.17	0.06
60.00	-27.03	-1.01	0.00	-49.45	0.00	49.45	1,732.11	437.48	1,241	1,119.54	1.11	-0.19	0.06
65.00	-26.35	-1.01	0.00	-44.41	0.00	44.41	1,687.00	420.62	1,148	1,048.02	1.32	-0.21	0.06
70.00	-25.68	-1.00	0.00	-39.38	0.00	39.38	1,640.16	403.75	1,057	977.73	1.55	-0.23	0.06
75.00	-25.04	-1.00	0.00	-34.37	0.00	34.37	1,591.58	386.89	971	908.80	1.81	-0.26	0.05
80.00	-24.42	-0.99	0.00	-29.38	0.00	29.38	1,541.26	370.02	888	841.36	2.09	-0.28	0.05
85.00	-23.82	-0.98	0.00	-24.43	0.00	24.43	1,489.21	353.16	809	775.54	2.39	-0.30	0.05
90.00	-19.36	-0.85	0.00	-19.52	0.00	19.52	1,423.62	336.29	734	705.64	2.71	-0.32	0.04
95.00	-18.94	-0.84	0.00	-15.26	0.00	15.26	1,352.23	319.42	662	636.29	3.05	-0.33	0.04
98.75	-18.74	-0.84	0.00	-12.10	0.00	12.10	1,298.68	306.77	610	586.63	3.32	-0.35	0.04
100.00	-13.71	-0.66	0.00	-11.05	0.00	11.05	1,280.83	302.56	594	570.53	3.41	-0.35	0.03
102.00	-13.50	-0.65	0.00	-9.74	0.00	9.74	920.66	226.43	443	410.37	3.56	-0.35	0.04
105.00	-13.14	-0.64	0.00	-7.79	0.00	7.79	898.82	218.84	414	387.09	3.78	-0.36	0.04
110.00	-12.81	-0.62	0.00	-4.61	0.00	4.61	861.03	206.19	368	349.19	4.17	-0.38	0.03
115.00	-12.68	-0.62	0.00	-1.49	0.00	1.49	819.32	193.54	324	311.70	4.57	-0.38	0.02
117.00	-2.49	-0.12	0.00	-0.25	0.00	0.25	797.90	188.48	307	295.53	4.73	-0.38	0.00
119.00	0.00	-0.11	0.00	0.00	0.00	0.00	776.48	183.42	291	279.80	4.89	-0.38	0.00

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

CALCULATED FORCES

©2007 - 2022 by ATC LLC. All rights reserved.

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	-26.78	-0.97	0.00	-106.46	0.00	106.46	2,963.53	790.05	3,239	2,770.25	0.00	0.00	0.05
5.00	-26.02	-0.97	0.00	-101.62	0.00	101.62	2,916.14	768.97	3,068	2,652.71	0.01	-0.01	0.05
10.00	-25.28	-0.98	0.00	-96.76	0.00	96.76	2,867.02	747.89	2,902	2,536.02	0.03	-0.03	0.05
15.00	-24.56	-0.98	0.00	-91.87	0.00	91.87	2,816.16	726.80	2,741	2,420.31	0.06	-0.04	0.05
20.00	-23.85	-0.99	0.00	-86.96	0.00	86.96	2,763.56	705.72	2,584	2,305.70	0.11	-0.05	0.05
25.00	-23.16	-0.99	0.00	-82.03	0.00	82.03	2,709.22	684.64	2,432	2,192.32	0.17	-0.07	0.05
30.00	-22.49	-0.99	0.00	-77.09	0.00	77.09	2,653.15	663.56	2,285	2,080.31	0.25	-0.08	0.05
35.00	-21.83	-0.99	0.00	-72.14	0.00	72.14	2,595.33	642.47	2,142	1,969.80	0.35	-0.10	0.05
40.00	-21.20	-0.99	0.00	-67.18	0.00	67.18	2,535.78	621.39	2,004	1,860.92	0.46	-0.11	0.04
45.00	-20.76	-0.99	0.00	-62.22	0.00	62.22	2,474.50	600.31	1,870	1,753.80	0.58	-0.13	0.04
48.50	-20.46	-0.99	0.00	-58.76	0.00	58.76	2,430.56	585.55	1,779	1,679.93	0.68	-0.14	0.04
50.00	-19.81	-0.98	0.00	-57.27	0.00	57.27	2,411.47	579.23	1,741	1,648.57	0.73	-0.15	0.04
53.25	-19.64	-0.98	0.00	-54.07	0.00	54.07	1,790.24	460.25	1,374	1,217.81	0.83	-0.16	0.06
55.00	-19.14	-0.98	0.00	-52.35	0.00	52.35	1,775.47	454.35	1,339	1,192.16	0.89	-0.16	0.06
60.00	-18.65	-0.98	0.00	-47.46	0.00	47.46	1,732.11	437.48	1,241	1,119.54	1.07	-0.18	0.05
65.00	-18.18	-0.97	0.00	-42.57	0.00	42.57	1,687.00	420.62	1,148	1,048.02	1.28	-0.20	0.05
70.00	-17.72	-0.97	0.00	-37.71	0.00	37.71	1,640.16	403.75	1,057	977.73	1.50	-0.23	0.05
75.00	-17.28	-0.96	0.00	-32.89	0.00	32.89	1,591.58	386.89	971	908.80	1.75	-0.25	0.05
80.00	-16.85	-0.95	0.00	-28.09	0.00	28.09	1,541.26	370.02	888	841.36	2.02	-0.27	0.04
85.00	-16.43	-0.94	0.00	-23.35	0.00	23.35	1,489.21	353.16	809	775.54	2.31	-0.29	0.04
90.00	-13.35	-0.82	0.00	-18.65	0.00	18.65	1,423.62	336.29	734	705.64	2.62	-0.30	0.04
95.00	-13.07	-0.81	0.00	-14.57	0.00	14.57	1,352.23	319.42	662	636.29	2.95	-0.32	0.03
98.75	-12.93	-0.80	0.00	-11.55	0.00	11.55	1,298.68	306.77	610	586.63	3.20	-0.33	0.03
100.00	-9.46	-0.63	0.00	-10.55	0.00	10.55	1,280.83	302.56	594	570.53	3.29	-0.34	0.03
102.00	-9.31	-0.62	0.00	-9.30	0.00	9.30	920.66	226.43	443	410.37	3.43	-0.34	0.03
105.00	-9.07	-0.61	0.00	-7.43	0.00	7.43	898.82	218.84	414	387.09	3.65	-0.35	0.03
110.00	-8.84	-0.60	0.00	-4.39	0.00	4.39	861.03	206.19	368	349.19	4.02	-0.36	0.02
115.00	-8.75	-0.59	0.00	-1.42	0.00	1.42	819.32	193.54	324	311.70	4.40	-0.37	0.02
117.00	-1.72	-0.12	0.00	-0.24	0.00	0.24	797.90	188.48	307	295.53	4.56	-0.37	0.00
119.00	0.00	-0.11	0.00	0.00	0.00	0.00	776.48	183.42	291	279.80	4.71	-0.37	0.00

©2007 - 2022 by ATC LLC. All rights reserved.

ANALYSIS SUMMARY

	Base Reactions						Max Usage	
Load Case	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)	Elev (ft)	Interaction Ratio
1.2D + 1.0W	23.37	0.00	38.52	0.00	0.00	2197.16	53.25	0.86
0.9D + 1.0W	23.34	0.00	28.88	0.00	0.00	2152.98	53.25	0.83
1.2D + 1.0Di + 1.0Wi	6.16	0.00	51.62	0.00	0.00	580.62	53.25	0.24
1.2D + 1.0Ev + 1.0Eh	1.02	0.00	38.82	0.00	0.00	109.40	53.25	0.06
0.9D - 1.0Ev + 1.0Eh	0.99	0.00	26.78	0.00	0.00	106.46	53.25	0.06
1.0D + 1.0W	5.14	0.00	32.15	0.00	0.00	477.76	53.25	0.2

©2007 - 2022 by ATC LLC. All rights reserved.

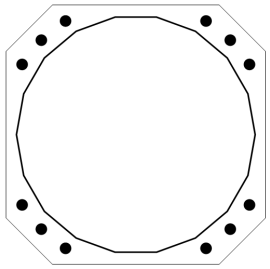
BASE PLATE ANALYSIS @ 0 FT

APPLIED REACTIONS

Moment (k-ft)	Axial (k)	Shear (k)
2197.16	38.52	23.37

PLATE PARAMETERS (ID# 23052)

Width:	50.25	in
Shape:	Square	
Thickness:	2.5	in
Grade:	A572-50	
Yield Strength:	50	ksi
Tensile Strength:	65	ksi
Clip Length:	9	in
Rod Detail Type:	d	
Clear Distance	3.5	in
Base Weld Size:	0.125	in
Orientation Offset:	-	°
Analysis Type:	Plastic	
Neutral Axis:	225	°



ANCHOR ROD PARAMETERS

Class	Arrangement	Quantity	Diameter (in)	Circle (in)	Grade	F_y (ksi)	F_u (ksi)	Spacing (in)	Offset (°)
Original [ID#23656]	Cluster	12	2.25	51.75	A615-75	75	100	6	-

COMPONENT PROPERTIES

Component	ID	Gross Area (in^2)	Net Area (in^2)	Individual Inertia (in^4)	Moment of Inertia (in^4)	Threads/in
Pole	45.7"ø x 0.3125" (18 Sides)	44.3332	-	-	11417.38	-
Bolt Group	Original (12) 2.25"ø	3.9761	3.2477	0.8393	11766.38	4.5

REACTION DISTRIBUTION

Component	ID	Moment M_u (k-ft)	Axial Load P_u (k)	Shear V_u (k)	Moment Factor
Pole	45.7"ø x 0.3125" (18 Sides)	2197.2	38.52	23.37	1.000
Bolt Group	Original (12) 2.25"ø	2197.2	-	23.37	1.000

BASE PLATE BEND LINE ANALYSIS @ 0 FT

POLE PROPERTIES

Flat-to-Flat Diameter:	45.82	in	Flat Width:	8.080	in	Neutral Axis:	225	°
Point-to-Point Diameter:	46.53	in	Flat Radians:	0.349	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	25.239	0.00	39.436	652.0	1774.6	36.7%
Corners	24.532	0.00	38.332	462.4	1724.9	26.8%

PLASTIC ANCHOR ROD ANALYSIS

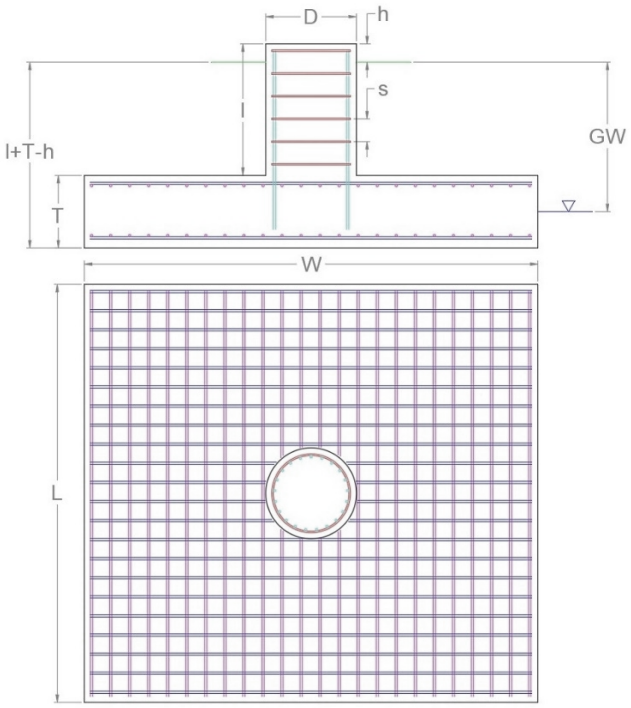
Class	Group Quantity	Rod Diameter (in)	Applied Axial Load P_u (k)	Applied Shear Load V_u (k)	Compressive Capacity ΦP_n (k)	Interaction Result
Original	12	2.25	163.9	3.4	243.6	70.1%

APPLIED GLOBAL REACTIONS

Moment (k-ft)	Axial (k)	Shear (k)
2,197.16	38.52	23.37

FOUNDATION PARAMETERS

Mat Length:	L	21.5	ft
Mat Width:	W	21.5	ft
Mat Thickness:	T	1.5	ft
Base Depth:	L+T-h	6	ft
Pier Shape:		Round	
Pier Diameter:	D	6	ft
Pier Height above Grade:	h	0.5	ft
Concrete Compressive Strength:		4,500	psi
Mat Top Rebar:		(28) #8 bars [60 ksi]	
Mat Bottom Rebar:		(28) #8 bars [60 ksi]	
Pier Vertical Rebar:		(26) #8 bars [60 ksi]	
Pier Rebar Ties:	s	#5 bars @ 12.0" c/c [60 ksi]	
Rebar Clear Cover:		3.0	in
Tower Eccentricity:	ecc	0	ft
Tower Leg Count		1	



SOIL PARAMETERS

Water Table Depth [BGL]:	GW	5	ft
Soil Unit Weight:		118	pcf
Ultimate Skin Friction:		600	psf
Ultimate Bearing Pressure:		5,400	psf
Bearing Pressure Type:		Gross	
Coefficient of Shear Friction:		0.5	

SOIL STRENGTH ANALYSIS

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

SOIL OVERTURNING ANALYSIS

Design Moment, $M_{u,Design}$ (k-ft)	Nominal Overturning Capacity, $\Phi_m M_n$ (k-ft)	Soil Overturning Usage, $M_{u,Design} / \Phi_m M_n$	
2,349.06	3,685.48	**63.7%**	✓

SOIL BEARING ANALYSIS

Net Bearing Pressure, $P_{u,Net}$ (psf)	Nominal Bearing Capacity, $\Phi_b P_n$ (k-ft)	Bearing Pressure Controlling Load Direction	Soil Bearing Usage, $P_{u,net} / \Phi_b P_n$	
2,061.00	4,050.00	Diagonal to Pad Edge	**50.9%**	✓

SOIL SLIDING SHEAR ANALYSIS

Applied Shear Force, V_u (k)	Friction Resistance (k)	Passive Pressure (psf)	Passive Pressure Resistance (k)	Nominal Shear Capacity, $\Phi_s V_n$ (k)	Soil Sliding Shear Usage, $V_u / \Phi_s V_n$	
23.37	77.40	603.9	19.48	149.20	**16.0%**	✓

MAT REINFORCING STEEL STRENGTH ANALYSIS

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

MAT REINFORCING ONE WAY SHEAR ANALYSIS

One Way Design Shear, V_u (k)	Nominal One Way Shear Capacity, $\Phi_c V_n$ (k)	One Way Shear Controlling Load Direction	Mat One Way Shear Usage, $V_u / \Phi_c V_n$	
172.37	373.12	Diagonal to Pad Edge	**46.2%**	✓

MAT REINFORCING PUNCHING SHEAR ANALYSIS

Punching Shear Design Stress, v_u (psi)	Nominal Punching Shear Capacity, $\Phi_c v_n$ (psi)	Mat Punching Shear Usage, $v_u / \Phi_c v_n$	
113.4	201.2	**56.4%**	✓

MAT REINFORCING MOMENT TRANSFER ANALYSIS

Moment Transfer Effective Flexural Width, w_f (in)	Neutral Axis Depth (in)	Pier Moment at Joint, M_{ut} (k-in)	Nominal Moment Transfer Capacity, $\Phi M_{sc,f}$ (k-in)	Mat Moment Transfer Usage, $0.6\ M_{ut} / \Phi M_{sc,f}$	
10.50	1.43	0.00	8,299.7	**0.0%**	✓

MAT REINFORCING FLEXURE ANALYSIS – UPPER STEEL

Factored Moment, M_u (k-ft)	Nominal Flexural Capacity, ΦM_n (k-ft)	Flexural Steel Controlling Load Direction	Mat Upper Rebar Flexure Usage, $M_u / \Phi M_n$	
447.84	1,336.67	Parallel to Pad Edge	**33.5%**	✓

MAT REINFORCING FLEXURE ANALYSIS – LOWER STEEL

Factored Moment, M_u (k-ft)	Nominal Flexural Capacity, ΦM_n (k-ft)	Flexural Steel Controlling Load Direction	Mat Lower Rebar Flexure Usage, $M_u / \Phi M_n$	
1,153.80	1,336.67	Parallel to Pad Edge	**86.3%**	✓

PIER REINFORCING STEEL STRENGTH ANALYSIS

Rebar Cage Diameter (in)	Steel Elastic Modulus, E (ksi)	Strength Bending/Tension Reduction Factor, Φ_b	Strength Shear Reduction Factor, Φ_v	Strength Compression Reduction Factor, Φ_c
63.75	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, $M_u/\Phi_b M_n$	
2,314.01	2,882.20	0.005	**80.3%**	✓

PIER REINFORCING COMPRESSION ANALYSIS

Design Compression, P_u (k)	Nominal Compressive Capacity, $\Phi_p P_n$ (k)	Pier Rebar Compressive Usage, $P_u / \Phi_p P_n$	
38.52	8,082.02	**0.5%**	✓

PIER REINFORCING SHEAR ANALYSIS

Design Shear, V_u (k)	Nominal Shear Capacity, $\Phi_v V_n$ (k)	Pier Rebar Shear Usage, $V_u / \Phi_v V_n$	
23.37	545.55	**4.3%**	✓

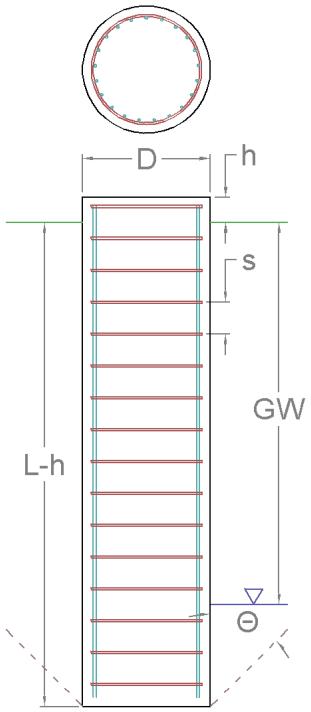
PIER FOUNDATION ANALYSIS

GLOBAL REACTIONS

Moment (k-ft)	Axial (k)	Shear (k)
2,197.16	38.52	23.37

FOUNDATION PARAMETERS

Pier Diameter:	D	6.00	ft
Pier Embedment Depth:	L-h	23.0	ft
Pier Height above Grade:	h	0.50	ft
Concrete Compressive Strength:		4,000	psi
Vertical Rebar:		(32) #8 bars [60 ksi]	
Tie Rebar:	s	#5 bars @ 10.0" c/c [60 ksi]	
Rebar Clear Cover:		3.00	in



SOIL PARAMETERS

Water Table Depth [BGL]: GW 5 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	2	105	0	0	0	0
2	5	119	0	30	0	0
5	7	112	0	29	400	0
7	10	119	0	30	900	0
10	15	129	0	37	1,100	0
15	16	141	0	40	1,150	0
16	24	140	16,050	0	7,200	122,150

SOIL STRENGTH ANALYSIS

Volume of Concrete (ft^3)	Buoyant Weight of Concrete (k)	Skin Friction Resistance (k)	Inflection Point [BGL] (ft)
664.45	67.91	1,141.34	19.06

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, $M_u / \Phi M_n$
5,375.42	2,654.33	0.00	10,092.71	**26.3%**

SOIL COMPRESSION ANALYSIS

Compressive Bearing Resistance (k)	Compressive Force, P_u (k)	Additional Resistance (k)	Nominal Compressive Capacity, ΦP_n (k)	Soil Compressive Usage, $P_u / \Phi P_n$
3,453.71	56.71	0.00	3,446.29	**1.6%**

REINFORCING STEEL STRENGTH ANALYSIS

Rebar Cage Diameter (in)	Steel Elastic Modulus, E (ksi)	Strength Bending/Tension Reduction Factor, Φ_b	Strength Shear Reduction Factor, Φ_v	Strength Compression Reduction Factor, Φ_c
63.75	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, $M_u/\Phi_b M_n$
2,210.66	3,548.20	0.01	**62.3%**

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, $P_u / \Phi_p P_n$
67.91	56.71	7,942.46	**0.7%**

PIER REINFORCING SHEAR ANALYSIS

Design Shear, V_u (k)	Nominal Shear Capacity, $\Phi_v V_n$ (k)	Pier Rebar Shear Usage, $V_u / \Phi_v V_n$
425.05	548.79	**77.5%**

EXHIBIT 4

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

Antenna Mount Analysis Report with Hardware Upgrades and PMI Requirements

Mount ReAnalysis

SMART Tool Project #: 10208050
Colliers Engineering & Design CT, P.C. Project #: 23777205

August 3, 2023

Site Information	*Site ID:*	*5000381598-VZW / BRANFORD SHORT BEACH CT*
	Site Name:	*BRANFORD SHORT BEACH CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*171 Short Beach Rd* *Branford, Connecticut 06405* *New Haven County*
	Latitude:	*41.262789°*
	Longitude:	*-72.834428°*
Structure Information	*Tower Type:*	*120-Ft Monopole*
	Mount Type:	*12.50-Ft Platform*

FUZE ID # 17136797

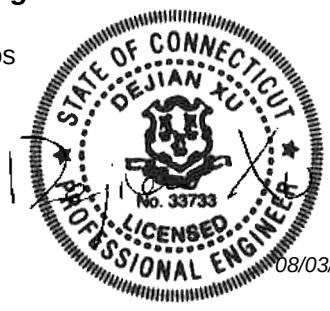
Analysis Results

Platform Mount: **69.0% Pass w/ Hardware Upgrades***

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

******Contractor PMI Requirements***:
Included at the end of this MA report
Available & Submitted via portal at https://pmi.vzwsmart.com
For additional questions and support, please reach out to:
pmisupport@colliersengineering.com

Report Prepared By: Ismaias Recinos



08/03/2023

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS Site ID: 1593399, dated March 31, 2021* *Filter Add Scope Provided by Verizon Wireless*
Mount Mapping Report	*RKS Design & Engineering LLC., Site ID: ATC:283422, dated April 1, 2021*
Previous Mount Analysis	*Maser Consulting Connecticut Project #: 21777425A* *Dated May 4, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H 2022 Connecticut State Building Code (CSBC), Effective October 1, 2022	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	125 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:	0.998
Seismic Parameters:	S_S:	0.201 g
	S_1:	0.053 g
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
98.65	100.00	6	CommScope	JAHH-65B-R3B	Retained
		3	Samsung	MT6407-77A	
		3	CommScope	CBC78T-DS-43-2X	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		2	Raycap	RRFDC-3315-PF-48*	
		3	Amphenol Antel	BXA-70063-6CF-EDIN	
		2	Kaelus	KA-6030	Added

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

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

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

Standard Conditions:

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

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

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

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

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

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

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

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

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Face Horizontal	22.1 %	Pass
Platform-Face Plate	15.7 %	Pass
Connection Plates	46.0 %	Pass
Platform Angle	4.8 %	Pass
Circular Angle Connection	22.7 %	Pass
Standoff HSS	36.3 %	Pass
Handrail	25.4 %	Pass
Handrail Connection	20.0 %	Pass
Circle Angle	69.0 %	Pass
Mount Pipe	45.2 %	Pass
Dual Antenna Mount Pipe	33.7 %	Pass
Connection	50.4%	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**69.0%**

***** Results valid after hardware upgrades noted in the PMI Requirements are installed.

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	22.0	22.0	37.7	37.7
0.5	28.9	28.9	50.9	50.9
1	34.7	34.7	63.0	63.0

Notes:
- (EPA)a values listed above may be used in the absence of more precise information

- (EPA)a values in the table above include 3 sector(s).
- Ka factors included in (EPA)a calculations

Requirements:

The existing mount will be **SUFFICIENT** for the final loading configuration shown in attachment 2 upon the completion of the requirements listed below.

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

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

Attachments:

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

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

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

Electronic pdf version of this can be downloaded at https://pmi.vzwsmart.com.

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

---

MDG #: 5000381598 SMART Project #: 10208050 Fuze Project ID: 17136797

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

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

Base Requirements:

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

Photo Requirements:

- *Photos taken at ground level*
  - Photo of Gate Signs showing the tower owner, site name, and number.
  - Overall tower structure after installation.
  - Photos of the mount after installation; if the mounts are at different rad elevations, pictures must be provided for all elevations that equipment was installed.
- *Photos taken at Mount Elevation*
  - Photos showing the safety climb wire rope above and below the mount prior to installation.
  - Photos showing the climbing facility and safety climb if present.
  - Photos showing each individual sector after installation. Each entire sector shall be in one photo to show the interconnection of members.

        - These photos shall also certify that the placement and geometry of the equipment on the mount is as depicted in the antenna placement diagram in this form.
    - Photos that show the model number of each antenna and piece of equipment installed per sector.

Antenna & equipment placement and Geometry Confirmation:

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

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

OR

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

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

Issue:

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

Response:

Special Instruction Confirmation:

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

☐ All hardware listed in the Special Instructions above (if applicable) has been properly installed, and the existing hardware was inspected.

☐ The material utilized was as specified in the SMART Tool engineering vendor Special Instructions above (if applicable) and included in the material certification folder is a packing list or invoice for these materials.

OR

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

Comments:

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

☐ Yes ☐ No

Contractor certifies no new damage created during the current installation:

☐ Yes ☐ No

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

☐ Safety Climb in Good Condition ☐ Safety Climb Damaged

Certifying Individual:

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

Structure: 0003 1 9 -VZW - BRANFORD SHORT BEACH CT

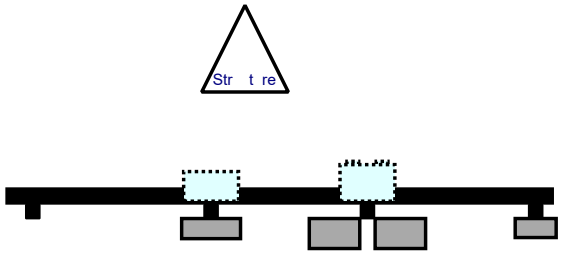
Se tor: **A** 8/2/2023

Str t re Type: Mo opole 10208050

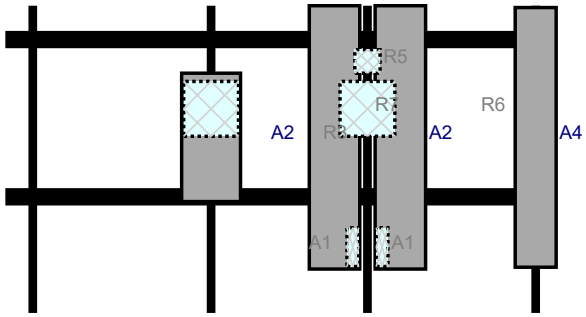
Mo t Elev: 98.65 P ge: 1

Colliers Engineering & Design

Plan View



Front View - Loo i g t Str t re



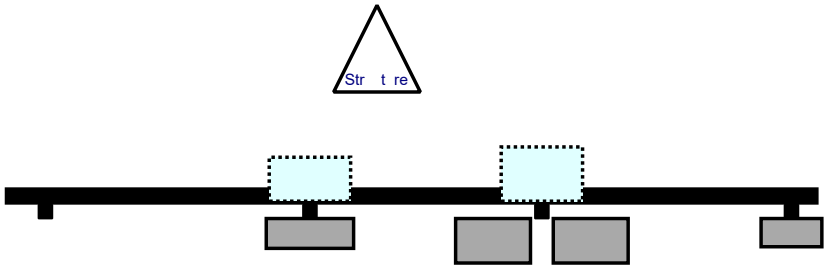
4 3 2 1

Re #	Model	Height (i)	Width (i)	H Dist Frm L.	Pipe #	Pipe Pos V	A t Pos	C. A t Frm T.	A t H O	St t s	V lid tio
A4	BXA-70063-6CF-EDIN	71	11.2	145	1		Fro t	36	0	Ret i ed	04/01/2021
A2	JAHH-65B-R3B	72	13.8	99	2		Fro t	36	9	Ret i ed	
A2	JAHH-65B-R3B	72	13.8	99	2		Fro t	36	-9	Ret i ed	
A1	KA-6030	10.6	3.2	99	2		Behi d	66	-4	Added	
A1	KA-6030	10.6	3.2	99	2		Behi d	66	4	Added	
R5	CBC78T-DS-43-2X	6.4	6.9	99	2		Behi d	15.24	0	Ret i ed	
R6	B2/B66A RRH-BR049	15	15	99	2		Behi d	28.2	0	Ret i ed	
R3	MT6407-77A	35.1	16.1	56.25	3		Fro t	36	0	Ret i ed	
R7	B5/B13 RRH-BR04C	15	15	56.25	3		Behi d	28.2	0	Ret i ed	

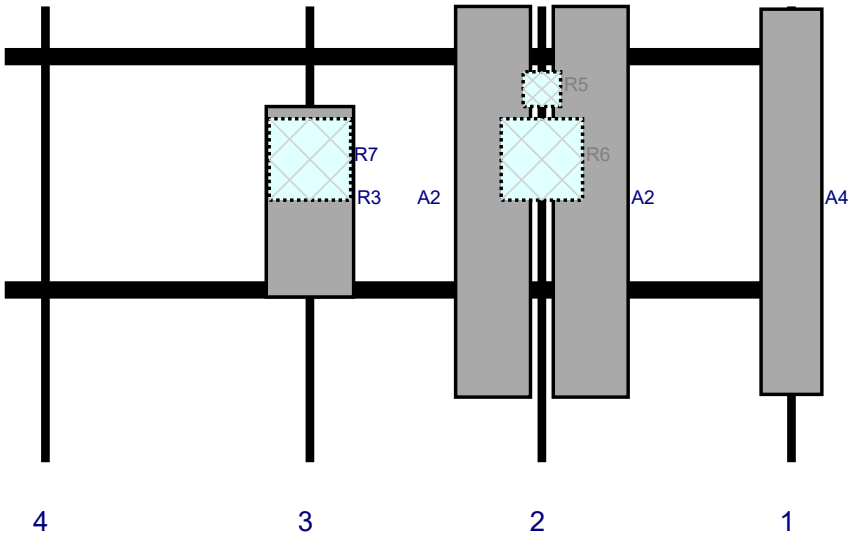
Copyright 2019 y To er E gi eeri g Sol tio s, LLC. All Rights Reserved

Colliers Engineering & Design

Plan View



Front View - Loo i g t Str t re

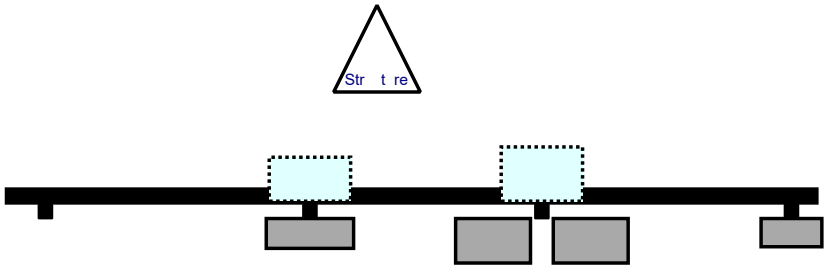


Re #	Model	Height (i)	Width (i)	H Dist Frm L.	Pipe #	Pipe Pos V	A t Pos	C. A t Frm T.	A t H O	St t s	V lid tio
A4	BXA-70063-6CF-EDIN	71	11.2	145	1		Fro t	36	0	Ret i ed	04/01/2021
A2	JAHH-65B-R3B	72	13.8	99	2		Fro t	36	9	Ret i ed	
A2	JAHH-65B-R3B	72	13.8	99	2		Fro t	36	-9	Ret i ed	
R5	CBC78T-DS-43-2X	6.4	6.9	99	2		Behi d	15.24	0	Ret i ed	
R6	B2/B66A RRH-BR049	15	15	99	2		Behi d	28.2	0	Ret i ed	
R3	MT6407-77A	35.1	16.1	56.25	3		Fro t	36	0	Ret i ed	
R7	B5/B13 RRH-BR04C	15	15	56.25	3		Behi d	28.2	0	Ret i ed	

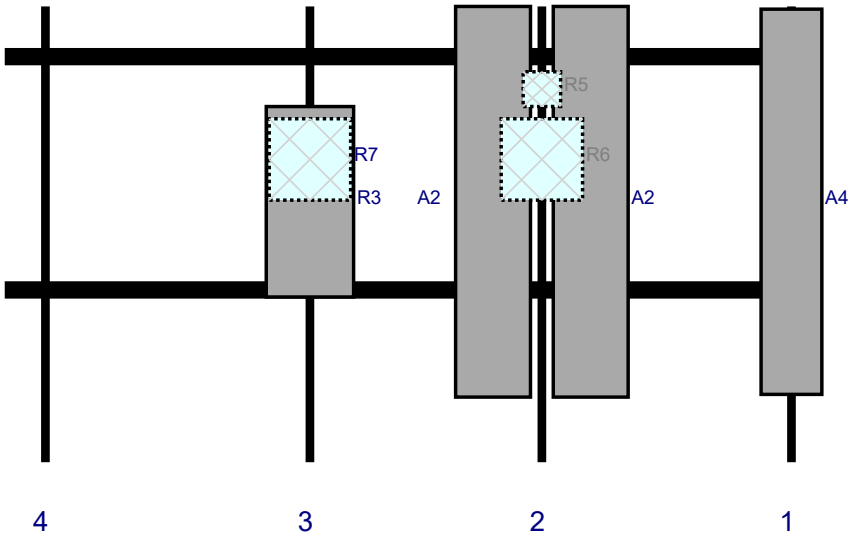
Copyright 2019 y To er E gi eeri g Sol tio s, LLC. All Rights Reserved

Colliers Engineering & Design

Plan View



Front View - Loo i g t Str t re



Re #	Model	Height (i)	Width (i)	H Dist Frm L.	Pipe #	Pipe Pos V	A t Pos	C. A t Frm T.	A t H O	St t s	V lid tio
A4	BXA-70063-6CF-EDIN	71	11.2	145	1		Fro t	36	0	Ret i ed	04/01/2021
A2	JAHH-65B-R3B	72	13.8	99	2		Fro t	36	9	Ret i ed	
A2	JAHH-65B-R3B	72	13.8	99	2		Fro t	36	-9	Ret i ed	
R5	CBC78T-DS-43-2X	6.4	6.9	99	2		Behi d	15.24	0	Ret i ed	
R6	B2/B66A RRH-BR049	15	15	99	2		Behi d	28.2	0	Ret i ed	
R3	MT6407-77A	35.1	16.1	56.25	3		Fro t	36	0	Ret i ed	
R7	B5/B13 RRH-BR04C	15	15	56.25	3		Behi d	28.2	0	Ret i ed	

Copyright 2019 y To er E gi eeri g Sol tio s, LLC. All Rights Reserved


2021.


04/01/2021

V3.0 Updated on 8-31-2020

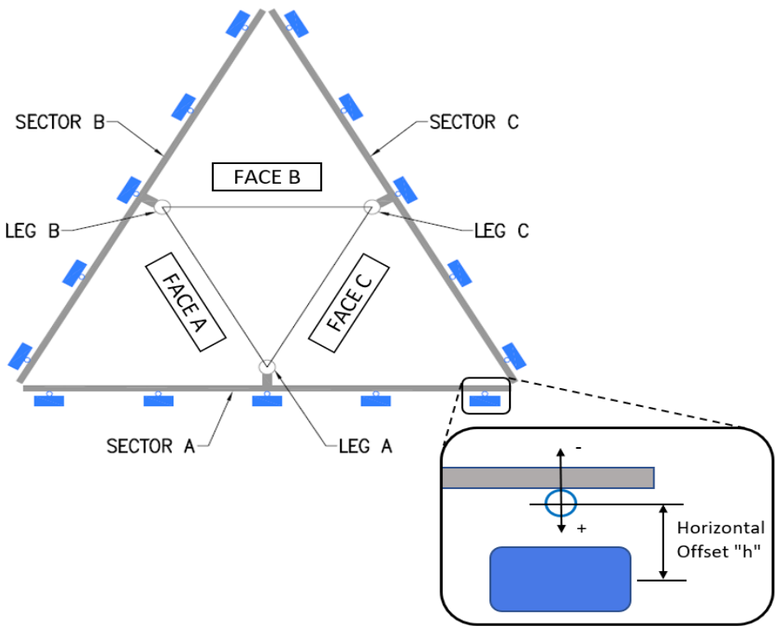
Antenna Mount Mapping Form (PATENT PENDING)

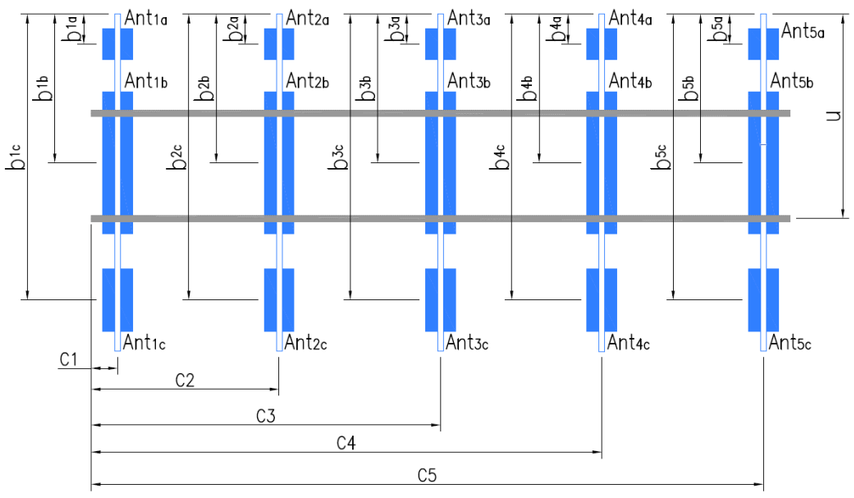
FCC #
1277332

Tower Owner:	ATC	**Mapping Date:**	4/1/2021
Site Name:	ATC:SHORT BEACH BRANFORD,VZW:BRANFORD SHORT BEAC	**Tower Type:**	Monopole
Site Number or ID:	ATC:283422	**Tower Height (Ft.):**	120
Mapping Contractor:	RKS Design & Engineering LLC	**Mount Elevation (Ft.):**	98

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

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





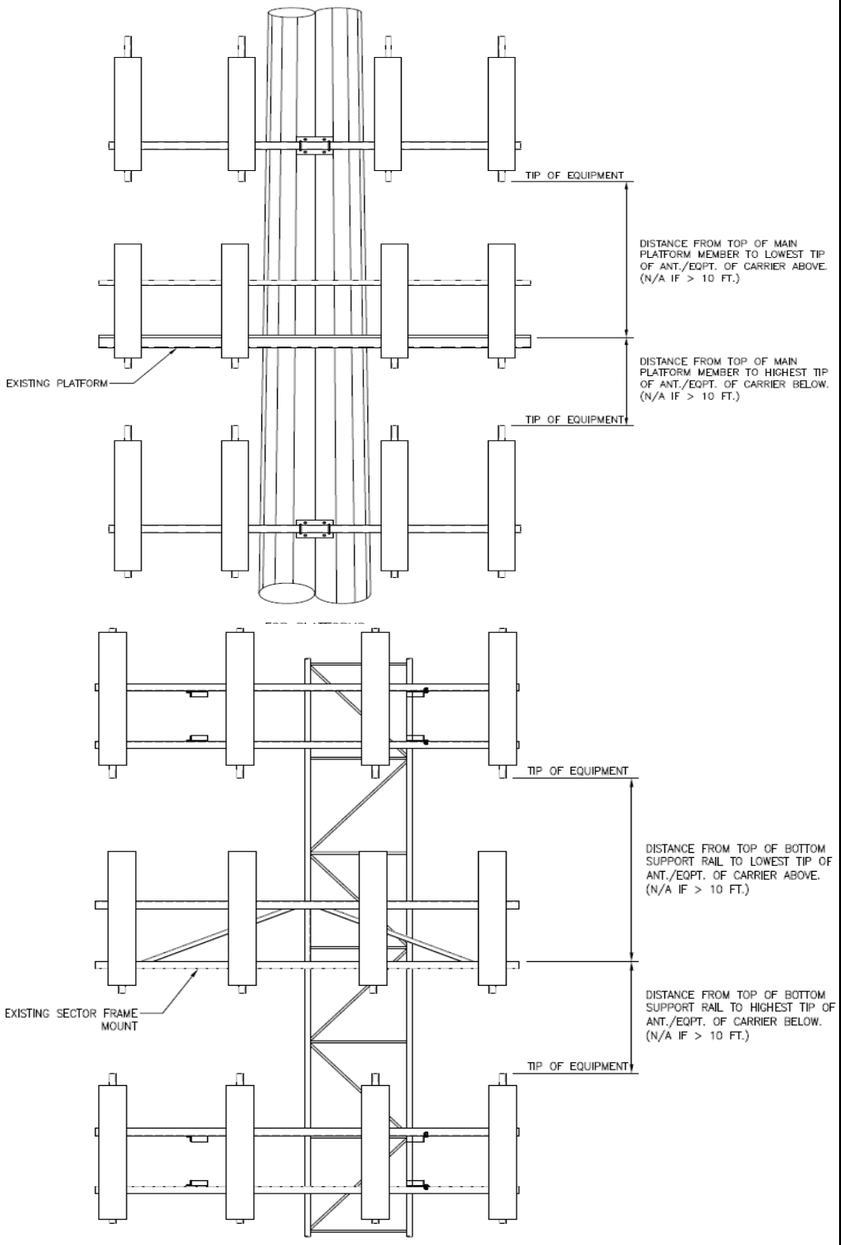
Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]							
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	Pipe 2.375"Ø X 0.15" X 84" Long	52.25	5.00	C1	Pipe 2.375"Ø X 0.15" X 84" Long	52.25	5.00
A2	Pipe 2.375"Ø X 0.15" X 126" Long	81.75	51.00	C2	Pipe 2.375"Ø X 0.15" X 126" Long	81.75	51.00
A3	Pipe 2.375"Ø X 0.15" X 84" Long	52.25	95.00	C3	Pipe 2.375"Ø X 0.15" X 84" Long	52.25	95.00
A4	Pipe 2.375"Ø X 0.15" X 84" Long	52.25	142.50	C4	Pipe 2.375"Ø X 0.15" X 84" Long	52.25	142.50
A5				C5			
A6				C6			
B1	Pipe 2.375"Ø X 0.15" X 84" Long	52.25	5.00	D1			
B2	Pipe 2.375"Ø X 0.15" X 126" Long	81.75	51.00	D2			
B3	Pipe 2.375"Ø X 0.15" X 84" Long	52.25	95.00	D3			
B4	Pipe 2.375"Ø X 0.15" X 84" Long	52.25	142.50	D4			
B5				D5			
B6				D6			
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :							
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :							
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :							
Please enter additional infomation or comments below.							
Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):				22.61	

	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant_{1a}	B25 RRH 4x30	12.00	7.20	21.20		100.313	24.50	-6.50		11,244
Ant_{1b}	BXA-70063-6CF-EDIN-	11.20	5.20	71.00		99.6458	32.50	13.00	40.00	11,244
Ant_{1c}										
Ant_{2a}	B4 RRH2x60-4R	10.60	5.70	36.60		100.646	50.00	-5.75		11,244
Ant_{2b}	(2)SBNHH-1D65B	11.90	7.10	72.00		99.5625	63.00	10.50	40.00	11,244
Ant_{2c}										
Ant_{3a}	B13 RRH4x30	12.00	9.00	21.60		100.458	22.75	-6.50		11,244
Ant_{3b}	LNX-6514DS-A1M	11.50	7.50	72.50		99.8333	30.25	8.75	40.00	11,244
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower	RRFDC-3315-PF-48	15.70	10.20	25.60			24.00	8.00		11,244
Ant on Tower										

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	40.00	Deg	Leg A:		Deg
Sector B:	160.00	Deg	Leg B:		Deg
Sector C:	280.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information		
Location:	220.00 Deg	N/A
Climbing Facility	Corrosion Type:	N/A
	Access:	Climbing path was unobstructed.
	Condition:	Good condition.



Sector B										
Ant_{1a}	B25 RRH 4x30	12.00	7.20	21.20		100.313	24.50	-6.50		18,246
Ant_{1b}	BXA-70063-6CF-EDIN-	11.20	5.20	71.00		99.6458	32.50	13.00	160.00	18,246
Ant_{1c}										
Ant_{2a}	B4 RRH2x60-4R	10.60	5.70	36.60		100.646	50.00	-5.75		18,246
Ant_{2b}	(2)SBNHH-1D65B	11.90	7.10	72.00		99.5625	63.00	10.50	160.00	18,246
Ant_{2c}										
Ant_{3a}	B13 RRH4x30	12.00	9.00	21.60		100.458	22.75	-6.50		18,247
Ant_{3b}	LNX-6514DS-A1M	11.50	7.50	72.50		99.8333	30.25	8.75	160.00	18,247
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower	RRFDC-3315-PF-48	15.70	10.20	25.60			24.00	8.00		18,246
Ant on Tower										
Sector C										
Ant_{1a}	B25 RRH 4x30	12.00	7.20	21.20		100.313	24.50	-6.50		25,248
Ant_{1b}	BXA-70063-6CF-EDIN-	11.20	5.20	71.00		99.6458	32.50	13.00	280.00	25,248
Ant_{1c}										
Ant_{2a}	B4 RRH2x60-4R	10.60	5.70	36.60		100.646	50.00	-5.75		25,248
Ant_{2b}	(2)SBNHH-1D65B	11.90	7.10	72.00		99.5625	63.00	10.50	280.00	25,248
Ant_{2c}										
Ant_{3a}	B13 RRH4x30	12.00	9.00	21.60		100.458	22.75	-6.50		25,248
Ant_{3b}	LNX-6514DS-A1M	11.50	7.50	72.50		99.8333	30.25	8.75	280.00	25,248
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #

1	COAX TOTAL (2): (2) 1.5"Ø HYBRID	
2		
3		
4		
5		
6		
7		
8		

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

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

V3.0 Updated on 8-31-2020

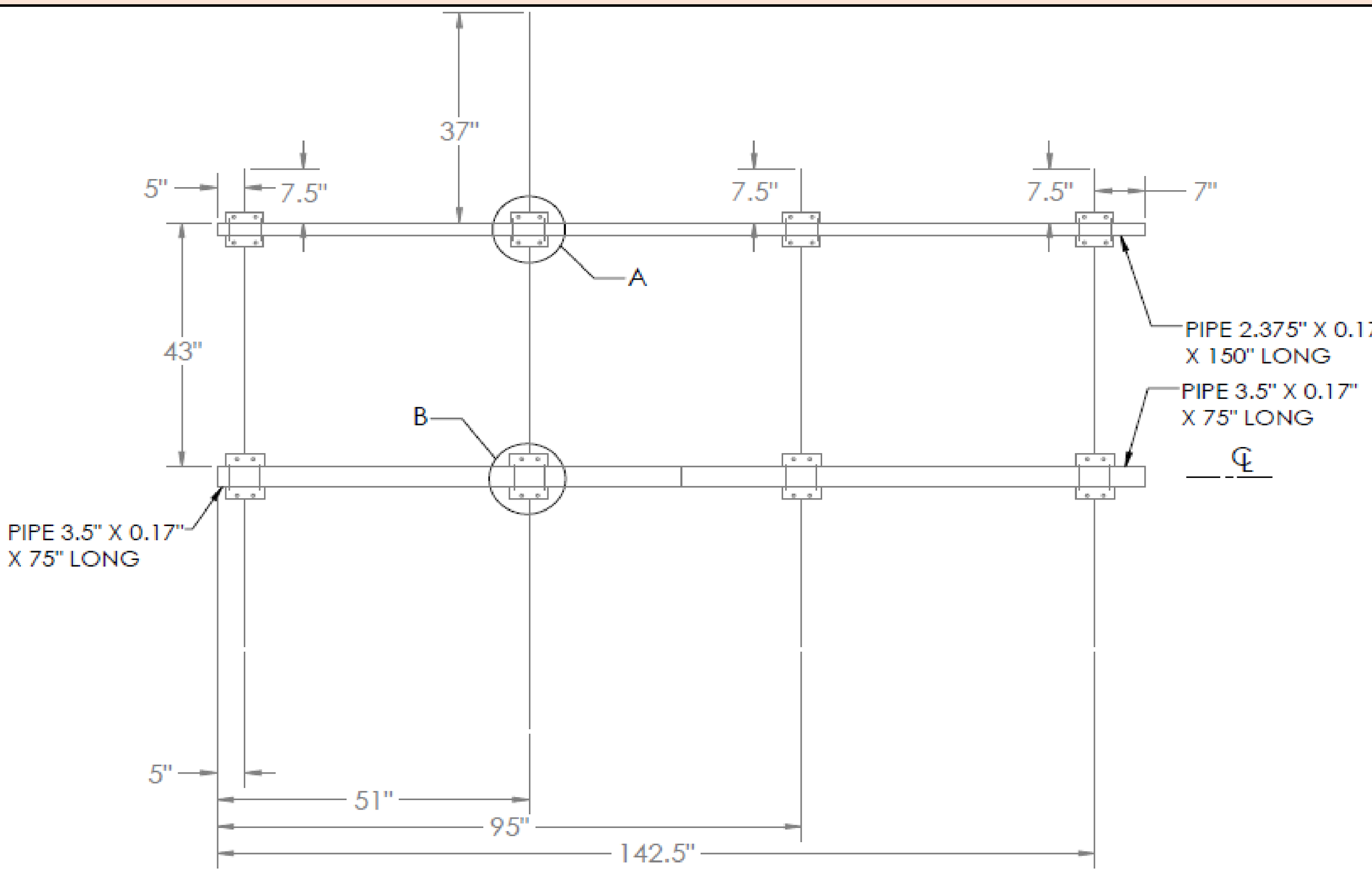
Antenna Mount Mapping Form (PATENT PENDING)

FCC #
1277332

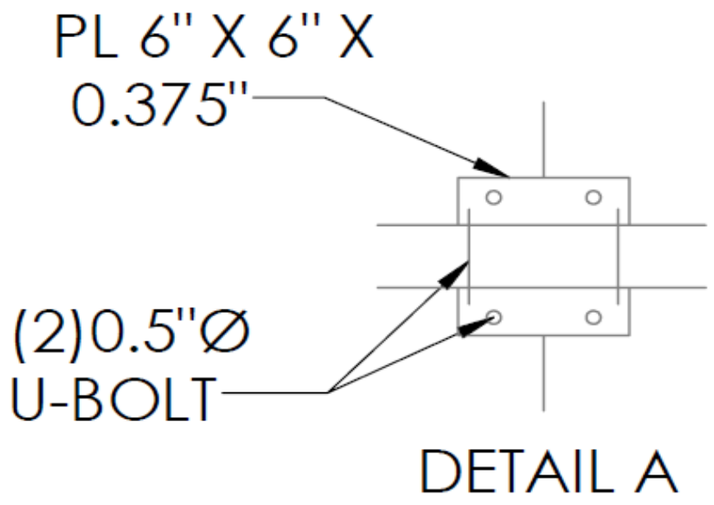
Tower Owner:	ATC	**Mapping Date:**	4/1/2021
Site Name:	ATC:SHORT BEACH BRANFORD,VZW:BRANFORD SHORT BEAC	**Tower Type:**	Monopole
Site Number or ID:	ATC:283422	**Tower Height (Ft.):**	120
Mapping Contractor:	RKS Design & Engineering LLC	**Mount Elevation (Ft.):**	98

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

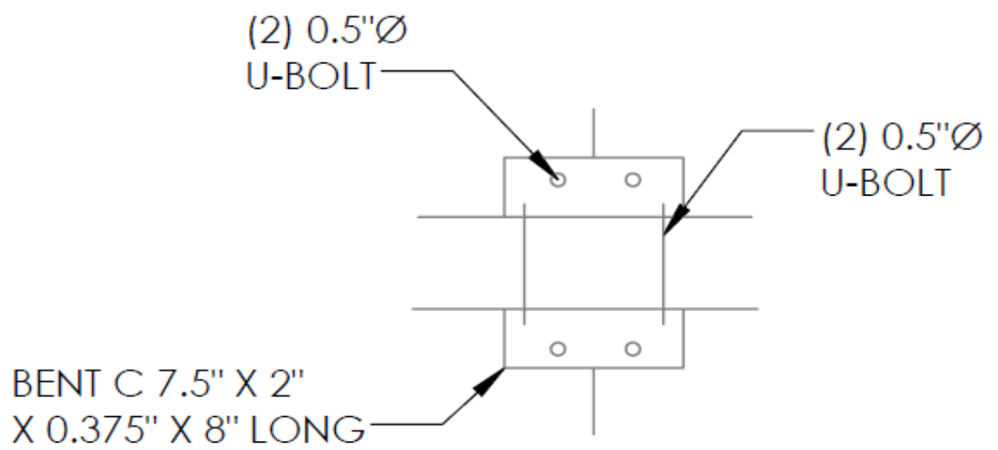
Please Insert Sketches of the Antenna Mount



SECTOR A,B & C

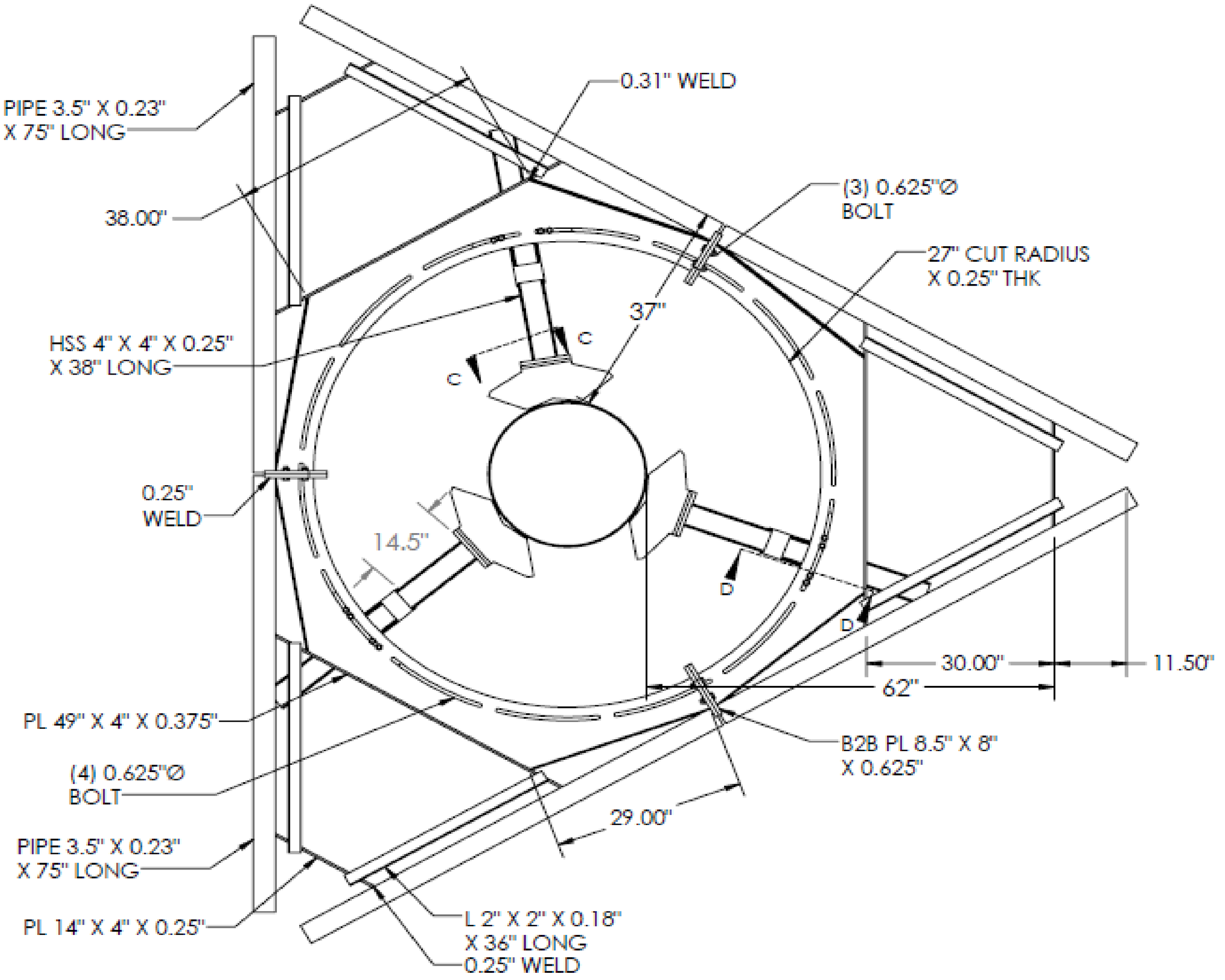


DETAIL A

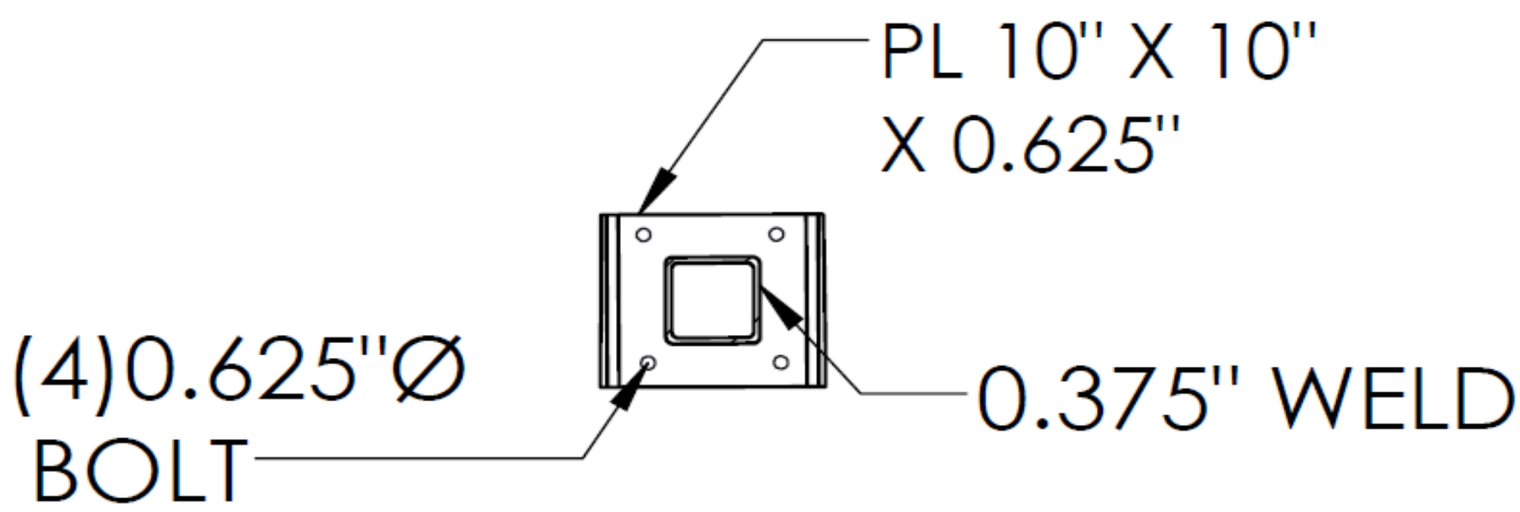


DETAIL B

Please Insert Sketches of the Antenna Mount, cont'd

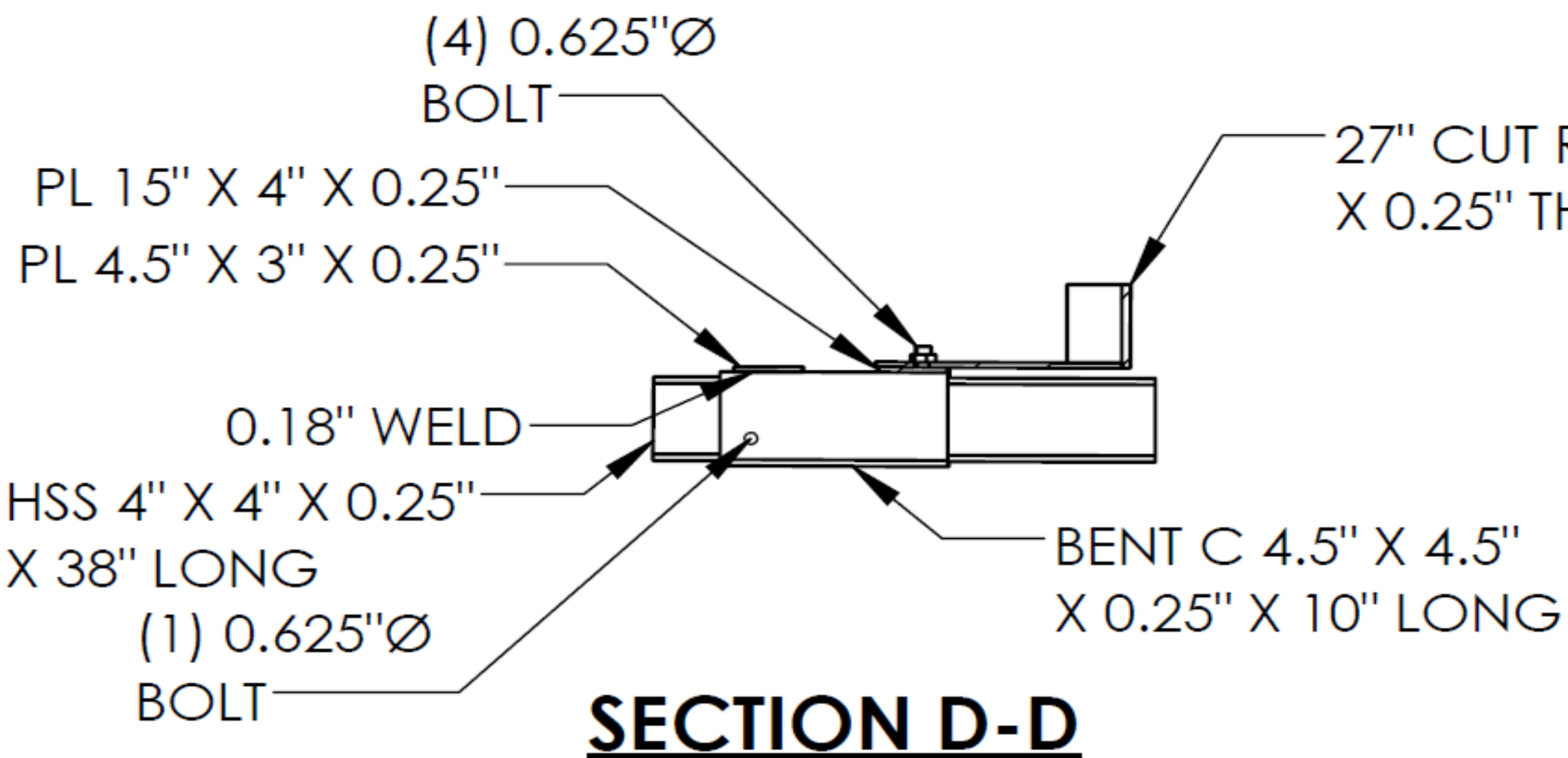


MOUNT PLAN VIEW



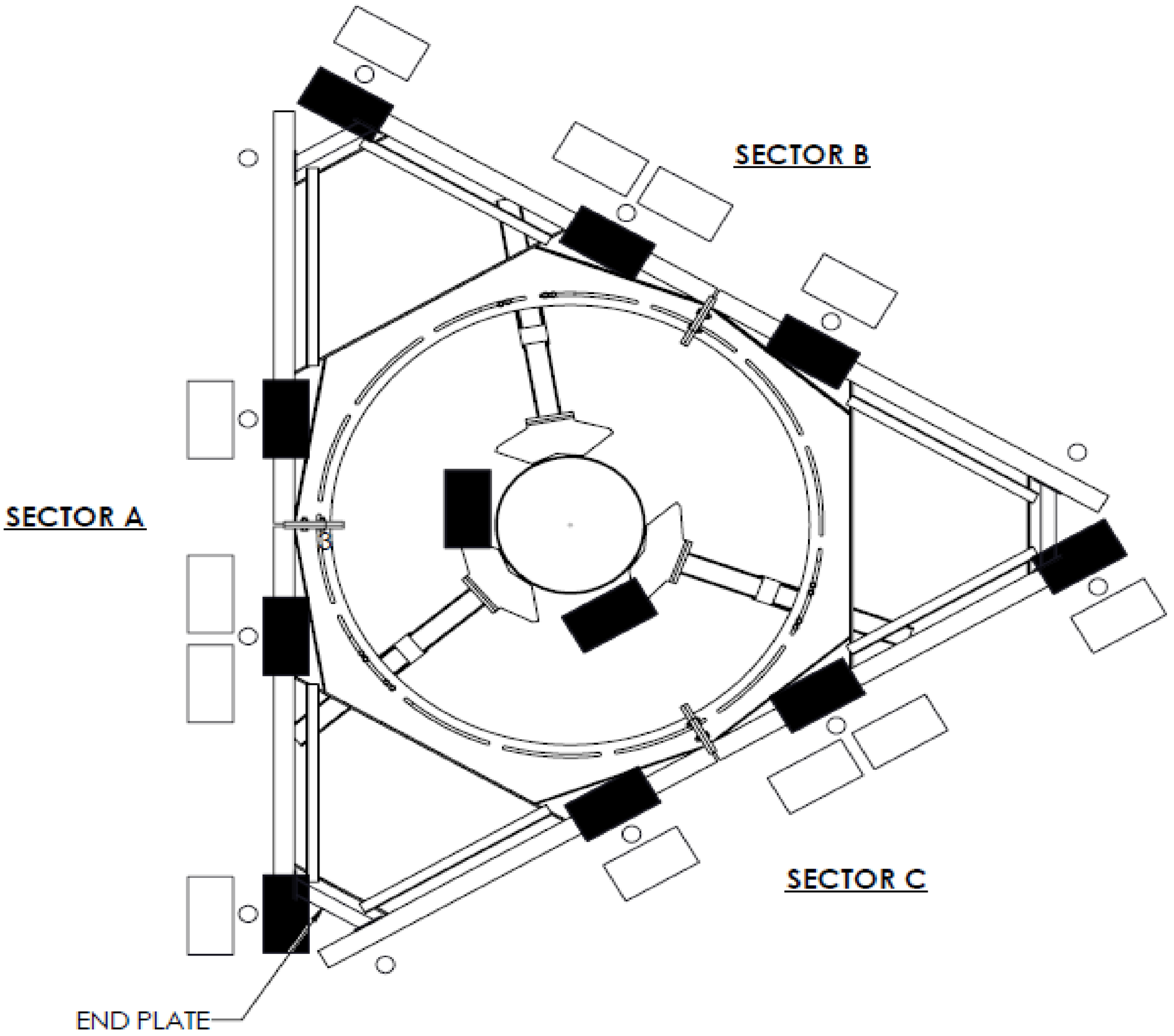
SECTION C-C

Please Insert Sketches of the Antenna Mount, cont'd

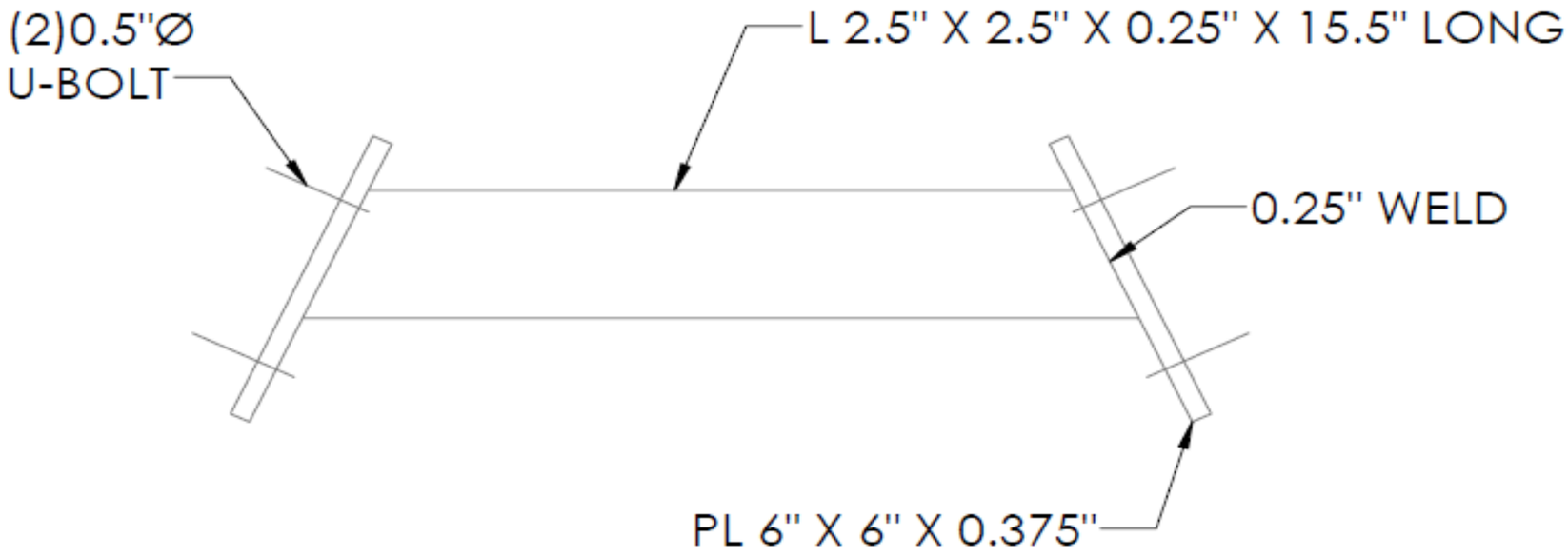


SECTION D-D

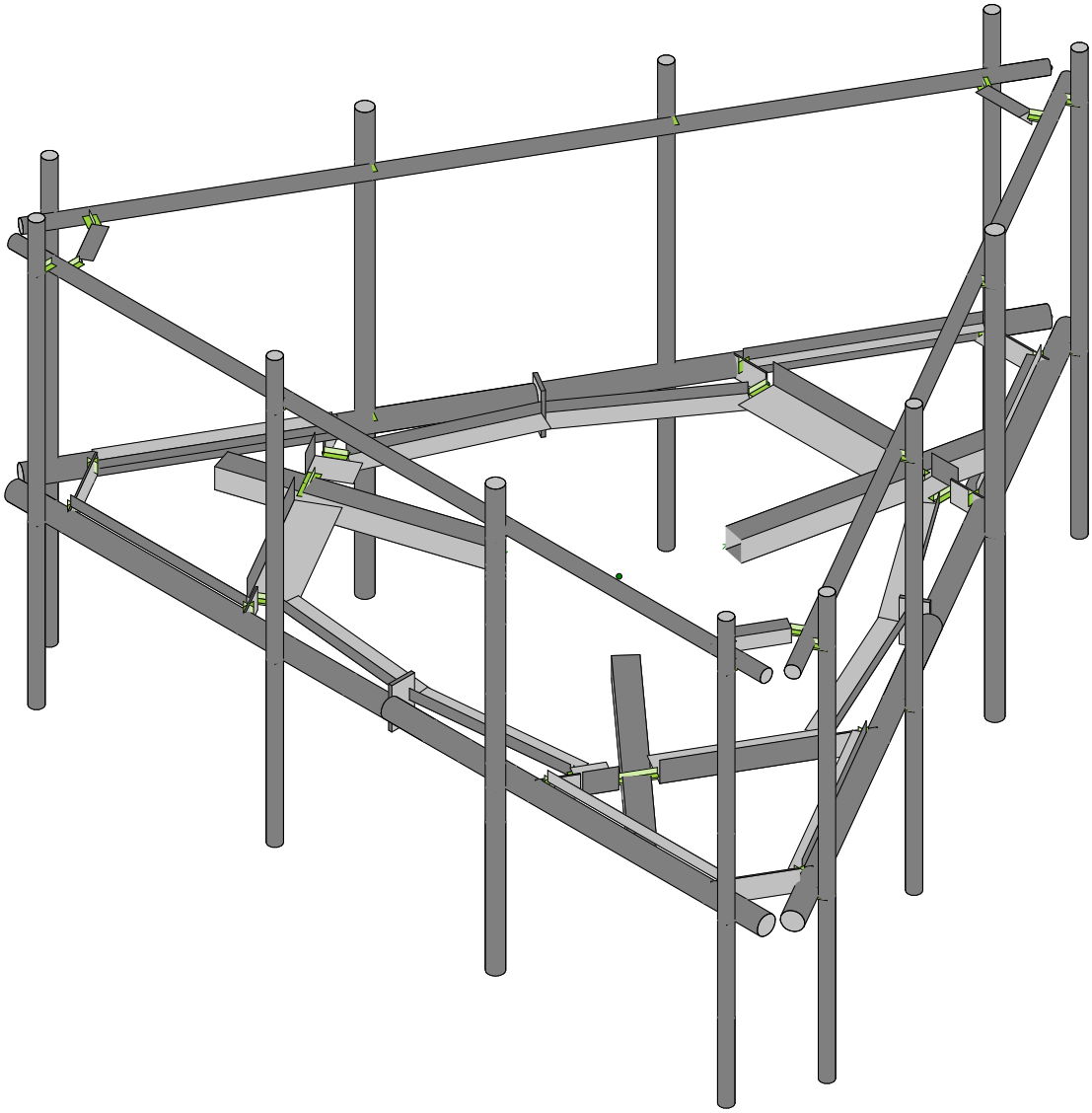
Please Insert Sketches of the Antenna Mount, cont'd



ANTENNA PLAN VIEW

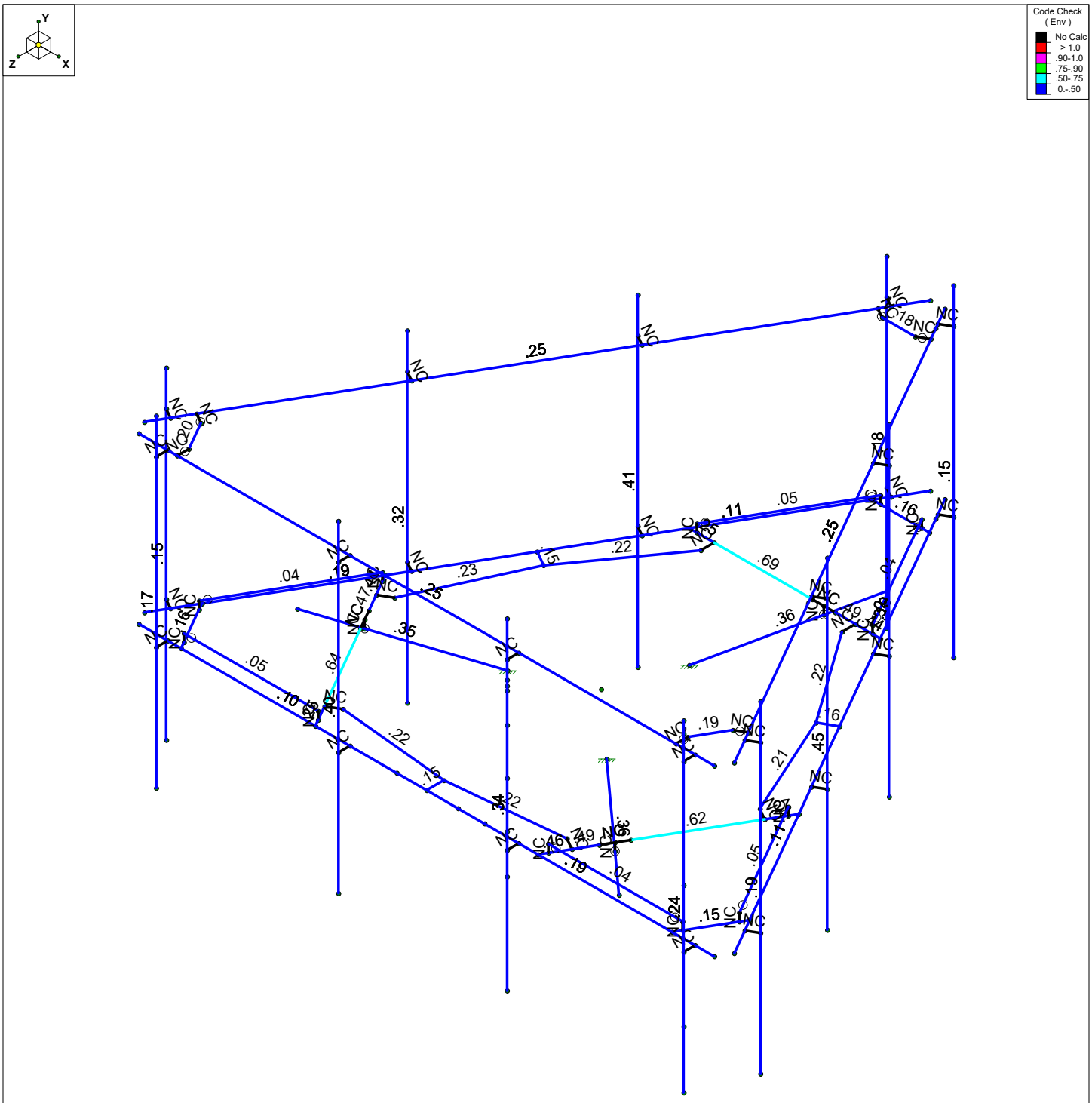


DETAIL END PLATE



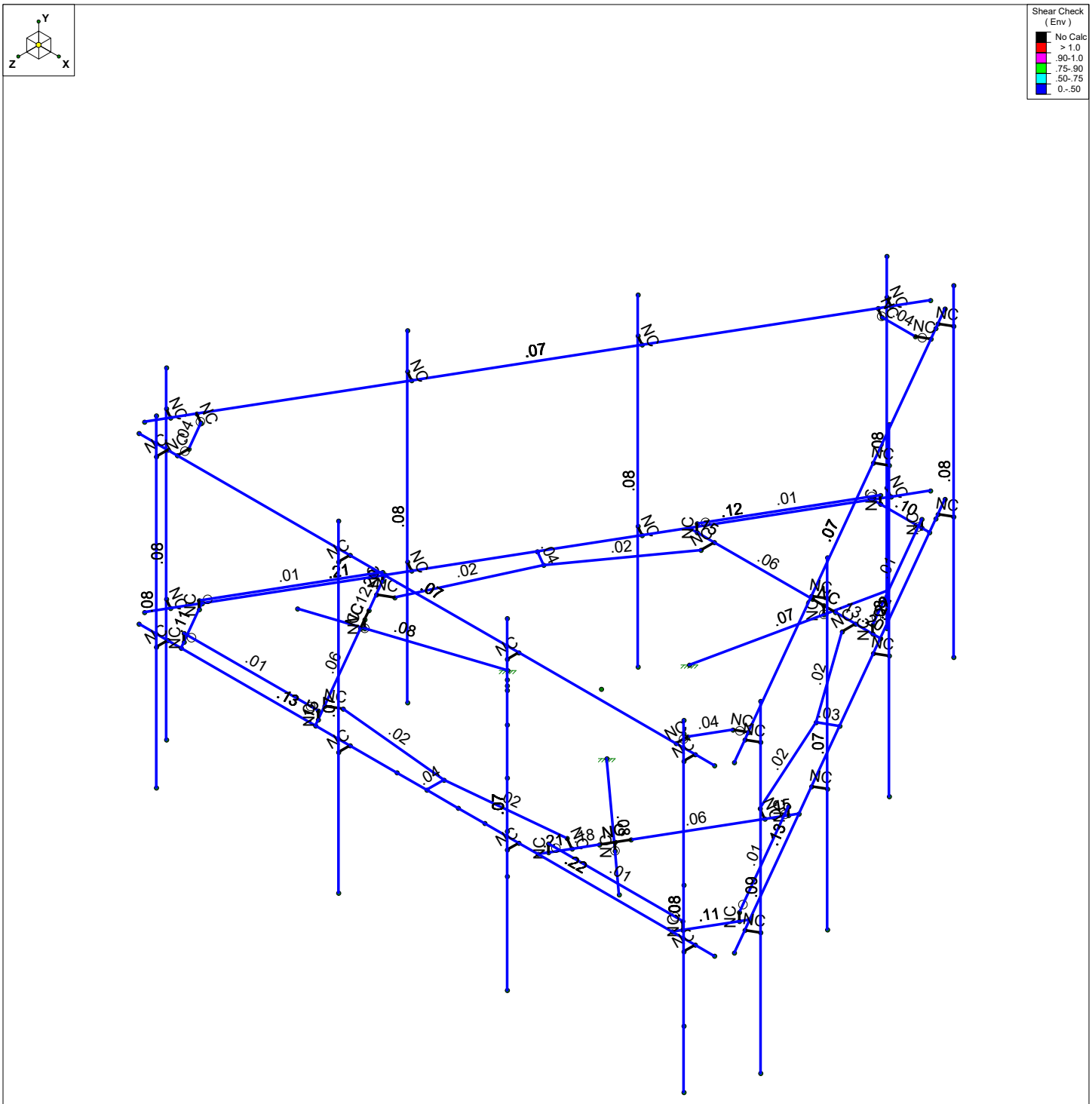
Loads: BLC 81, Antenna Ev

Colliers Engineering & De...	5000381598-VZW_MT_LO_H	
ILR		Aug 2, 2023 at 11:41 PM
Project No. 10208050		5000381598-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Loads: BLC 81, Antenna Ev
Envelope Only Solution

Colliers Engineering & De...	5000381598-VZW_MT_LO_H	
ILR		Aug 2, 2023 at 11:42 PM
Project No. 10208050		5000381598-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Loads: BLC 81, Antenna Ev
Envelope Only Solution

Colliers Engineering & De...	5000381598-VZW_MT_LO_H	
ILR		Aug 2, 2023 at 11:42 PM
Project No. 10208050		5000381598-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					111			
2	Antenna Di	None					111			
3	Antenna Wo (0 Deg)	None					111			
4	Antenna Wo (30 Deg)	None					111			
5	Antenna Wo (60 Deg)	None					111			
6	Antenna Wo (90 Deg)	None					111			
7	Antenna Wo (120 Deg)	None					111			
8	Antenna Wo (150 Deg)	None					111			
9	Antenna Wo (180 Deg)	None					111			
10	Antenna Wo (210 Deg)	None					111			
11	Antenna Wo (240 Deg)	None					111			
12	Antenna Wo (270 Deg)	None					111			
13	Antenna Wo (300 Deg)	None					111			
14	Antenna Wo (330 Deg)	None					111			
15	Antenna Wi (0 Deg)	None					111			
16	Antenna Wi (30 Deg)	None					111			
17	Antenna Wi (60 Deg)	None					111			
18	Antenna Wi (90 Deg)	None					111			
19	Antenna Wi (120 Deg)	None					111			
20	Antenna Wi (150 Deg)	None					111			
21	Antenna Wi (180 Deg)	None					111			
22	Antenna Wi (210 Deg)	None					111			
23	Antenna Wi (240 Deg)	None					111			
24	Antenna Wi (270 Deg)	None					111			
25	Antenna Wi (300 Deg)	None					111			
26	Antenna Wi (330 Deg)	None					111			
27	Antenna Wm (0 Deg)	None					111			
28	Antenna Wm (30 Deg)	None					111			
29	Antenna Wm (60 Deg)	None					111			
30	Antenna Wm (90 Deg)	None					111			
31	Antenna Wm (120 Deg)	None					111			
32	Antenna Wm (150 Deg)	None					111			
33	Antenna Wm (180 Deg)	None					111			
34	Antenna Wm (210 Deg)	None					111			
35	Antenna Wm (240 Deg)	None					111			
36	Antenna Wm (270 Deg)	None					111			
37	Antenna Wm (300 Deg)	None					111			
38	Antenna Wm (330 Deg)	None					111			
39	Structure D	None		-1					3	
40	Structure Di	None						57	3	
41	Structure Wo (0 Deg)	None						114		
42	Structure Wo (30 Deg)	None						114		
43	Structure Wo (60 Deg)	None						114		
44	Structure Wo (90 Deg)	None						114		
45	Structure Wo (120 D...	None						114		
46	Structure Wo (150 D...	None						114		
47	Structure Wo (180 D...	None						114		
48	Structure Wo (210 D...	None						114		
49	Structure Wo (240 D...	None						114		
50	Structure Wo (270 D...	None						114		
51	Structure Wo (300 D...	None						114		
52	Structure Wo (330 D...	None						114		
53	Structure Wi (0 Deg)	None						114		
54	Structure Wi (30 Deg)	None						114		
55	Structure Wi (60 Deg)	None						114		
56	Structure Wi (90 Deg)	None						114		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
57	Structure Wi (120 De...	None						114		
58	Structure Wi (150 De...	None						114		
59	Structure Wi (180 De...	None						114		
60	Structure Wi (210 De...	None						114		
61	Structure Wi (240 De...	None						114		
62	Structure Wi (270 De...	None						114		
63	Structure Wi (300 De...	None						114		
64	Structure Wi (330 De...	None						114		
65	Structure Wm (0 Deg)	None						114		
66	Structure Wm (30 De...	None						114		
67	Structure Wm (60 De...	None						114		
68	Structure Wm (90 De...	None						114		
69	Structure Wm (120 D...	None						114		
70	Structure Wm (150 D...	None						114		
71	Structure Wm (180 D...	None						114		
72	Structure Wm (210 D...	None						114		
73	Structure Wm (240 D...	None						114		
74	Structure Wm (270 D...	None						114		
75	Structure Wm (300 D...	None						114		
76	Structure Wm (330 D...	None						114		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					111			
82	Antenna Eh (0 Deg)	None					74			
83	Antenna Eh (90 Deg)	None					74			
84	Structure Ev	ELY							3	
85	Structure Eh (0 Deg)	ELZ			-.03				3	
86	Structure Eh (90 Deg)	ELX	.03						3	
87	BLC 39 Transient Are...	None						21		
88	BLC 40 Transient Are...	None						21		
89	BLC 84 Transient Are...	None								
90	BLC 85 Transient Are...	None						21		
91	BLC 86 Transient Are...	None						21		

Load Combinations

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

Load Combinations (Continued)

	Description	Sol..	PD..	SR..	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...
18	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5..	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	1	83		ELZ	1	ELX					
53	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	.5	ELZ	.866	ELX	.5				
54	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	.866	ELZ	.5	ELX	.866				
55	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	1	ELZ		ELX	1				
56	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	.866	ELZ	-.5	ELX	.866				
57	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	.5	ELZ	-.866	ELX	.5				
58	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-1	83		ELZ	-1	ELX					
59	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5				
60	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866				
61	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	-1	ELZ		ELX	-1				
62	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	-.866	ELZ	.5	ELX	-.866				
63	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	-.5	ELZ	.866	ELX	-.5				
64	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	1	83		ELZ	1	ELX					
65	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	.5	ELZ	.866	ELX	.5				
66	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	.866	ELZ	.5	ELX	.866				
67	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	1	ELZ		ELX	1				
68	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	.866	ELZ	-.5	ELX	.866				
69	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	.5	ELZ	-.866	ELX	.5				
70	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-1	83		ELZ	-1	ELX					
71	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5				
72	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866				
73	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	-1	ELZ		ELX	-1				
74	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	-.866	ELZ	.5	ELX	-.866				

Load Combinations (Continued)

	Description	Sol...	PD...	SR...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...
75	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	-.5	ELZ	.866	ELX	-.5				

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	-3.28368	0	-5.6875	0	
2	N2	-6.40868	0	-0.274841	0	
3	N3	-0.15868	0	-11.100159	0	
4	N4	-2.95892	0	-5.5	0	
5	N5	-2.075346	0	-7.780395	0	
6	N6	-4.492013	0	-3.594605	0	
7	N7	-5.950346	0	-1.068698	0	
8	N8	-0.617013	0	-10.306302	0	
9	N9	0	0	-3.791667	0	
10	N10	0.	0	-0.	0	
11	N11	6.25	0	-0.	0	
12	N12	-6.25	0	-0.	0	
13	N13	0.	0	-0.375	0	
14	N14	-2.416667	0	0.	0	
15	N15	2.416667	0	0.	0	
16	N16	5.333333	0	-0.	0	
17	N17	-5.333333	0	0.	0	
18	N19	3.28368	0	-5.6875	0	
19	N20	0.15868	0	-11.100159	0	
20	N21	6.40868	0	-0.274841	0	
21	N22	2.95892	0	-5.5	0	
22	N23	4.492013	0	-3.594605	0	
23	N24	2.075346	0	-7.780395	0	
24	N25	0.617013	0	-10.306302	0	
25	N26	5.950346	0	-1.068698	0	
26	N26A	1.90868	0	-7.780395	0	
27	N27	-1.908654	0	-7.780395	0	
28	N28	-0.45032	0	-10.306302	0	
29	N29	0.450346	0	-10.306302	0	
30	N30	1.90868	0.166667	-7.780395	0	
31	N31	-1.908654	0.166667	-7.780395	0	
32	N32	-0.45032	0.166667	-10.306302	0	
33	N33	0.450346	0.166667	-10.306302	0	
34	N60	-4.40868	0	-3.450268	0	
35	N61	-2.500013	0	-0.14436	0	
36	N62	-5.41668	0	-0.14436	0	
37	N63	-5.867013	0	-0.92436	0	
38	N64	-4.40868	0.166667	-3.450268	0	
39	N65	-2.500013	0.166667	-0.14436	0	
40	N66	-5.41668	0.166667	-0.14436	0	
41	N67	-5.867013	0.166667	-0.92436	0	
42	N94	2.5	0	-0.144338	0	
43	N95	4.408667	0	-3.450245	0	
44	N96	5.867	0	-0.924338	0	
45	N97	5.416667	0	-0.144338	0	
46	N98	2.5	0.166667	-0.144338	0	
47	N99	4.408667	0.166667	-3.450245	0	
48	N100	5.867	0.166667	-0.924338	0	
49	N101	5.416667	0.166667	-0.144338	0	
50	N53	2.6875	0	-0.469097	0	
51	N54	4.221167	0	-3.125486	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
52	N58	2.434909	0	-0.61493	0	
53	N59	3.968576	0	-3.271319	0	
54	N62A	1.53368	0	-7.780395	0	
55	N63A	-1.533654	0	-7.780395	0	
56	N65A	1.53368	0	-7.488728	0	
57	N66A	-1.533654	0	-7.488728	0	
58	N71	-4.22118	0	-3.125508	0	
59	N72	-2.687513	0	-0.46912	0	
60	N74	-3.968589	0	-3.271342	0	
61	N75	-2.434922	0	-0.614953	0	
62	N69	1.199234	-0.166667	-2.711872	0	
63	N73A	0.335513	-0.166667	-5.370131	0	
64	N77	-1.534747	-0.166667	-3.292997	0	
65	N131A	3.893134	-0.166667	-0.286273	0	
66	N133A	1.089193	-0.166667	-8.915916	0	
67	N135	-4.982326	-0.166667	-2.172811	0	
68	N137A	-6.40868	3.583333	-0.274841	0	
69	N138D	-0.15868	3.583333	-11.100159	0	
70	N139B	6.25	3.583333	-0.	0	
71	N140B	-6.25	3.583333	-0.	0	
72	N141	0.15868	3.583333	-11.100159	0	
73	N142	6.40868	3.583333	-0.274841	0	
74	N180	-5.416667	3.583333	-0.	0	
75	N181	5.416667	3.583333	-0.	0	
76	N182	-5.416667	3.583333	-0.25	0	
77	N183	5.416667	3.583333	-0.25	0	
78	N230A	0.84782	0	-7.779895	0	
79	N233A	0.847618	-0.166667	-7.779395	0	
80	N112	5.833333	0	-0.	0	
81	N113	5.833333	3.583333	-0.	0	
82	N114	5.833333	0	0.25	0	
83	N115	5.833333	3.583333	0.25	0	
84	N124	5.833333	4.354167	0.25	0	
85	N125	5.833333	-2.645833	0.25	0	
86	N131	0.429513	0	-10.631062	0	
87	N132	0.429513	3.583333	-10.631062	0	
88	N162	1.097532	0	-7.780395	0	
89	N163	0.597532	0	-7.780395	0	
90	N111	2.	0	-0.	0	
91	N112A	2.	3.583333	-0.	0	
92	N113A	2.	0	0.25	0	
93	N114A	2.	3.583333	0.25	0	
94	N115A	2.	4.354167	0.25	0	
95	N116	2.	-2.645833	0.25	0	
96	N117	-1.666667	0	-0.	0	
97	N118	-1.666667	3.583333	-0.	0	
98	N119	-1.666667	0	0.25	0	
99	N120	-1.666667	3.583333	0.25	0	
100	N121	-1.666667	4.354167	0.25	0	
101	N122	-1.666667	-2.645833	0.25	0	
102	N123	-5.625	0	-0.	0	
103	N124A	-5.625	3.583333	-0.	0	
104	N125A	-5.625	0	0.25	0	
105	N126	-5.625	3.583333	0.25	0	
106	N127	-5.625	4.354167	0.25	0	
107	N128	-5.625	-2.645833	0.25	0	
108	N130	0.367013	0	-10.739315	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
109	N131B	0.367013	3.583333	-10.739315	0	
110	N132A	0.583519	0	-10.864315	0	
111	N133	0.583519	3.583333	-10.864315	0	
112	N134	0.583519	4.354167	-10.864315	0	
113	N135A	0.583519	-2.645833	-10.864315	0	
114	N136	2.28368	0	-7.419551	0	
115	N137	2.28368	3.583333	-7.419551	0	
116	N138	2.500186	0	-7.544551	0	
117	N139	2.500186	3.583333	-7.544551	0	
118	N140	2.500186	4.354167	-7.544551	0	
119	N141A	2.500186	-2.645833	-7.544551	0	
120	N142A	4.117013	0	-4.244124	0	
121	N143	4.117013	3.583333	-4.244124	0	
122	N144	4.333519	0	-4.369124	0	
123	N145	4.333519	3.583333	-4.369124	0	
124	N146	4.333519	4.354167	-4.369124	0	
125	N147	4.333519	-2.645833	-4.369124	0	
126	N148	6.09618	0	-0.816107	0	
127	N149	6.09618	3.583333	-0.816107	0	
128	N150	6.312686	0	-0.941107	0	
129	N151	6.312686	3.583333	-0.941107	0	
130	N152	6.312686	4.354167	-0.941107	0	
131	N153A	6.312686	-2.645833	-0.941107	0	
132	N155A	-6.200346	0	-0.635685	0	
133	N156A	-6.200346	3.583333	-0.635685	0	
134	N157A	-6.416853	0	-0.760685	0	
135	N158A	-6.416853	3.583333	-0.760685	0	
136	N159	-6.416853	4.354167	-0.760685	0	
137	N160	-6.416853	-2.645833	-0.760685	0	
138	N161	-4.28368	0	-3.955449	0	
139	N162A	-4.28368	3.583333	-3.955449	0	
140	N163A	-4.500186	0	-4.080449	0	
141	N164	-4.500186	3.583333	-4.080449	0	
142	N165	-4.500186	4.354167	-4.080449	0	
143	N166	-4.500186	-2.645833	-4.080449	0	
144	N167A	-2.450346	0	-7.130876	0	
145	N168A	-2.450346	3.583333	-7.130876	0	
146	N169	-2.666853	0	-7.255876	0	
147	N170	-2.666853	3.583333	-7.255876	0	
148	N171	-2.666853	4.354167	-7.255876	0	
149	N172	-2.666853	-2.645833	-7.255876	0	
150	N173A	-0.47118	0	-10.558893	0	
151	N174A	-0.47118	3.583333	-10.558893	0	
152	N175A	-0.687686	0	-10.683893	0	
153	N176A	-0.687686	3.583333	-10.683893	0	
154	N177	-0.687686	4.354167	-10.683893	0	
155	N178	-0.687686	-2.645833	-10.683893	0	
156	N178A	-3.877817	0	-2.531787	0	
157	N179	-3.877512	-0.166667	-2.531787	0	
158	N180A	-4.003106	0	-2.747793	0	
159	N181A	-3.753106	0	-2.31478	0	
160	N183A	3.029997	0	-1.063319	0	
161	N184	3.029582	-0.166667	-1.063819	0	
162	N185	2.905574	0	-0.846812	0	
163	N186A	3.155574	0	-1.279825	0	
164	N173B	2.	3	0.25	0	
165	N174B	2.	-.5	0.25	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
166	N175B	2.	1.35	0.25	0	
167	N177A	5.992013	3.583333	-0.996529	0	
168	N178B	0.575346	3.583333	-10.378471	0	
169	N179A	5.775507	3.583333	-0.871529	0	
170	N180B	0.35884	3.583333	-10.253471	0	
171	N182A	-0.575346	3.583333	-10.378471	0	
172	N183B	-5.992013	3.583333	-0.996529	0	
173	N184A	-0.35884	3.583333	-10.253471	0	
174	N185A	-5.775507	3.583333	-0.871529	0	
175	N176	5.833333	1.25	0.25	0	
176	N177B	5.833333	4.1	0.25	0	
177	N178C	5.833333	-1.4	0.25	0	
178	N179B	1.258333	0	-0.	0	
179	N180C	0.683333	0	-0.	0	
180	N181B	-0.65	0	-0.	0	
181	N182B	2.	2.35	0.25	0	
182	N183C	2.	3.083333	0.25	0	
183	N184B	2.	.35	0.25	0	
184	N185B	2.	3.2	0.25	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rules	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Standoff HSS	HSS4X4X4	Beam	Tube	A500 Gr. B 46	Typical	3.37	7.8	7.8	12.8
2	Circular Plat...	PL1/4x7	Beam	RECT	A36 Gr.36	Typical	1.75	.009	7.146	.036
3	Circular Angl...	L4X2X6	Beam	Single Angle	A36 Gr.36	Typical	2.109	.585	3.431	.091
4	Connection ...	PL1/4x4	Beam	RECT	A36 Gr.36	Typical	1	.005	1.333	.02
5	Platform Ang...	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
6	Face Horizo...	PIPE_3.0	Beam	Pipe	A53 Gr. B	Typical	2.07	2.85	2.85	5.69
7	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
8	Dual Antenn...	PIPE_2.5	Column	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
9	Platform-Fac...	PL5/8x8	Beam	RECT	A36 Gr.36	Typical	5	.163	26.667	.619
10	TES PFP	PL3/8X8	Beam	RECT	A36 Gr.36	Typical	3	.035	16	.136
11	Handrail	PIPE_2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
12	Circle Angle	L7x4x4	Beam	RECT	A36 Gr.36	Typical	2.688	3.55	14.104	.054
13	TES CAC	L4X4X6	Beam	RECT	A36 Gr.36	Typical	2.86	4.32	4.32	.141
14	TES Circle A...	L5X3X4	Beam	RECT	A36 Gr.36	Typical	1.94	1.41	5.09	.044
15	Handrail Co...	L2.5x2.5x4	Beam	Single Angle	A36 Gr.36	Typical	1.19	.692	.692	.026

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Sha...	Type	Design List	Material	Design Rules
1	M1	N3	N1			Face Horizo...	Beam	Pipe	A53 Gr. B	Typical
2	M2	N4	N1			Platform-Fa...	Beam	RECT	A36 Gr.36	Typical
3	M3	N12	N10			Face Horizo...	Beam	Pipe	A53 Gr. B	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Sha...	Type	Design List	Material	Design Rules
4	M4	N13	N10			Platform-Fa...	Beam	RECT	A36 Gr.36	Typical
5	M5	N21	N19			Face Horizo...	Beam	Pipe	A53 Gr. B	Typical
6	M6	N22	N19			Platform-Fa...	Beam	RECT	A36 Gr.36	Typical
7	M7	N25	N8			Connection ...	Beam	RECT	A36 Gr.36	Typical
8	M9	N32	N28			RIGID	None	None	RIGID	Typical
9	M10	N33	N29			RIGID	None	None	RIGID	Typical
10	M11	N30	N26A			RIGID	None	None	RIGID	Typical
11	M12	N31	N27			RIGID	None	None	RIGID	Typical
12	M13	N33	N30			Platform An...	Beam	Single Angle	A36 Gr.36	Typical
13	M14	N32	N31		270	Platform An...	Beam	Single Angle	A36 Gr.36	Typical
14	M21	N7	N17			Connection ...	Beam	RECT	A36 Gr.36	Typical
15	M23	N66	N62			RIGID	None	None	RIGID	Typical
16	M24	N67	N63			RIGID	None	None	RIGID	Typical
17	M25	N64	N60			RIGID	None	None	RIGID	Typical
18	M26	N65	N61			RIGID	None	None	RIGID	Typical
19	M27	N67	N64			Platform An...	Beam	Single Angle	A36 Gr.36	Typical
20	M28	N66	N65		270	Platform An...	Beam	Single Angle	A36 Gr.36	Typical
21	M35	N16	N26			Connection ...	Beam	RECT	A36 Gr.36	Typical
22	M37	N100	N96			RIGID	None	None	RIGID	Typical
23	M38	N101	N97			RIGID	None	None	RIGID	Typical
24	M39	N98	N94			RIGID	None	None	RIGID	Typical
25	M40	N99	N95			RIGID	None	None	RIGID	Typical
26	M41	N101	N98			Platform An...	Beam	Single Angle	A36 Gr.36	Typical
27	M42	N100	N99		270	Platform An...	Beam	Single Angle	A36 Gr.36	Typical
28	M44	N54	N59			RIGID	None	None	RIGID	Typical
29	M46	N53	N58			RIGID	None	None	RIGID	Typical
30	M48	N59	N22		270	Circular Ang...	Beam	Single Angle	A36 Gr.36	Typical
31	M49	N13	N58		270	Circular Ang...	Beam	Single Angle	A36 Gr.36	Typical
32	M49A	N63A	N66A			RIGID	None	None	RIGID	Typical
33	M51	N62A	N65A			RIGID	None	None	RIGID	Typical
34	M53	N66A	N4		270	Circular Ang...	Beam	Single Angle	A36 Gr.36	Typical
35	M54	N22	N65A		270	Circular Ang...	Beam	Single Angle	A36 Gr.36	Typical
36	M55	N72	N75			RIGID	None	None	RIGID	Typical
37	M57	N71	N74			RIGID	None	None	RIGID	Typical
38	M59	N75	N13		270	Circular Ang...	Beam	Single Angle	A36 Gr.36	Typical
39	M60	N4	N74		270	Circular Ang...	Beam	Single Angle	A36 Gr.36	Typical
40	M62	N131A	N69			Standoff HSS	Beam	Tube	A500 Gr. B 46	Typical
41	M64	N133A	N73A			Standoff HSS	Beam	Tube	A500 Gr. B 46	Typical
42	M66	N135	N77			Standoff HSS	Beam	Tube	A500 Gr. B 46	Typical
43	M100	N138D	N137A			Handrail	Beam	Pipe	A53 Gr. B	Typical
44	M101	N140B	N139B			Handrail	Beam	Pipe	A53 Gr. B	Typical
45	M102	N142	N141			Handrail	Beam	Pipe	A53 Gr. B	Typical
46	M105	N180B	N184A		180	Handrail Co...	Beam	Single Angle	A36 Gr.36	Typical
47	M106	N182	N180			RIGID	None	None	RIGID	Typical
48	M108	N185A	N182		180	Handrail Co...	Beam	Single Angle	A36 Gr.36	Typical
49	M110	N183	N181			RIGID	None	None	RIGID	Typical
50	M111	N183	N179A		180	Handrail Co...	Beam	Single Angle	A36 Gr.36	Typical
51	M134A	N53	N185		270	Circle Angle	Beam	RECT	A36 Gr.36	Typical
52	M135A	N54	N23			Connection ...	Beam	RECT	A36 Gr.36	Typical
53	M136	N53	N15			Connection ...	Beam	RECT	A36 Gr.36	Typical
54	M129A	N230A	N233A	N9		RIGID	None	None	RIGID	Typical
55	M131A	N63A	N5			Connection ...	Beam	RECT	A36 Gr.36	Typical
56	M132A	N62A	N24			Connection ...	Beam	RECT	A36 Gr.36	Typical
57	M135B	N72	N14			Connection ...	Beam	RECT	A36 Gr.36	Typical
58	M136A	N71	N6			Connection ...	Beam	RECT	A36 Gr.36	Typical
59	M76	N113	N115			RIGID	None	None	RIGID	Typical
60	M77	N112	N114			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Sha...	Type	Design List	Material	Design Rules
61	MP1A	N124	N125			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
62	M97	N1	N2			Face Horizo...	Beam	Pipe	A53 Gr. B	Typical
63	M98	N10	N11			Face Horizo...	Beam	Pipe	A53 Gr. B	Typical
64	M99	N19	N20			Face Horizo...	Beam	Pipe	A53 Gr. B	Typical
65	M102A	N186A	N54		270	Circle Angle	Beam	RECT	A36 Gr.36	Typical
66	M102B	N62A	N162		270	Circle Angle	Beam	RECT	A36 Gr.36	Typical
67	M103B	N163	N63A		270	Circle Angle	Beam	RECT	A36 Gr.36	Typical
68	M104A	N163	N162			RIGID	None	None	RIGID	Typical
69	M105A	N71	N180A		270	Circle Angle	Beam	RECT	A36 Gr.36	Typical
70	M106A	N181A	N72		270	Circle Angle	Beam	RECT	A36 Gr.36	Typical
71	M81	N112A	N114A			RIGID	None	None	RIGID	Typical
72	M82	N111	N113A			RIGID	None	None	RIGID	Typical
73	MP2A	N115A	N116			Dual Antenn...	Column	Pipe	A53 Gr. B	Typical
74	M84	N118	N120			RIGID	None	None	RIGID	Typical
75	M85	N117	N119			RIGID	None	None	RIGID	Typical
76	MP3A	N121	N122			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
77	M87	N124A	N126			RIGID	None	None	RIGID	Typical
78	M88	N123	N125A			RIGID	None	None	RIGID	Typical
79	MP4A	N127	N128			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
80	M90	N131B	N133			RIGID	None	None	RIGID	Typical
81	M91	N130	N132A			RIGID	None	None	RIGID	Typical
82	MP1C	N134	N135A			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
83	M93	N137	N139			RIGID	None	None	RIGID	Typical
84	M94	N136	N138			RIGID	None	None	RIGID	Typical
85	MP2C	N140	N141A			Dual Antenn...	Column	Pipe	A53 Gr. B	Typical
86	M96	N143	N145			RIGID	None	None	RIGID	Typical
87	M97A	N142A	N144			RIGID	None	None	RIGID	Typical
88	MP3C	N146	N147			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
89	M99A	N149	N151			RIGID	None	None	RIGID	Typical
90	M100B	N148	N150			RIGID	None	None	RIGID	Typical
91	MP4C	N152	N153A			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
92	M102C	N156A	N158A			RIGID	None	None	RIGID	Typical
93	M103C	N155A	N157A			RIGID	None	None	RIGID	Typical
94	MP1B	N159	N160			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
95	M105B	N162A	N164			RIGID	None	None	RIGID	Typical
96	M106B	N161	N163A			RIGID	None	None	RIGID	Typical
97	MP2B	N165	N166			Dual Antenn...	Column	Pipe	A53 Gr. B	Typical
98	M108A	N168A	N170			RIGID	None	None	RIGID	Typical
99	M109A	N167A	N169			RIGID	None	None	RIGID	Typical
100	MP3B	N171	N172			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
101	M111A	N174A	N176A			RIGID	None	None	RIGID	Typical
102	M112	N173A	N175A			RIGID	None	None	RIGID	Typical
103	MP4B	N177	N178			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
104	M114	N178A	N179	N9		RIGID	None	None	RIGID	Typical
105	M115	N181A	N180A			RIGID	None	None	RIGID	Typical
106	M116	N183A	N184	N9		RIGID	None	None	RIGID	Typical
107	M117	N186A	N185			RIGID	None	None	RIGID	Typical
108	M112A	N179A	N177A			RIGID	None	None	RIGID	Typical
109	M113	N180B	N178B			RIGID	None	None	RIGID	Typical
110	M114A	N184A	N182A			RIGID	None	None	RIGID	Typical
111	M115A	N185A	N183B			RIGID	None	None	RIGID	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M1						Yes	Default			None
2	M2						Yes				None
3	M3						Yes				None
4	M4						Yes				None
5	M5						Yes				None
6	M6						Yes				None
7	M7						Yes				None
8	M9						Yes	** NA **			None
9	M10						Yes	** NA **			None
10	M11						Yes	** NA **			None
11	M12						Yes	** NA **			None
12	M13	OOOOOX	OOOOOX				Yes	Default			None
13	M14	OOOOXO	OOOOXO				Yes	Default			None
14	M21						Yes				None
15	M23						Yes	** NA **			None
16	M24						Yes	** NA **			None
17	M25						Yes	** NA **			None
18	M26						Yes	** NA **			None
19	M27	OOOOOX	OOOOOX				Yes	Default			None
20	M28	OOOOXO	OOOOXO				Yes	Default			None
21	M35						Yes				None
22	M37						Yes	** NA **			None
23	M38						Yes	** NA **			None
24	M39						Yes	** NA **			None
25	M40						Yes	** NA **			None
26	M41	OOOOOX	OOOOOX				Yes	Default			None
27	M42	OOOOXO	OOOOXO				Yes	Default			None
28	M44						Yes	** NA **			None
29	M46						Yes	** NA **			None
30	M48						Yes				None
31	M49						Yes				None
32	M49A						Yes	** NA **			None
33	M51						Yes	** NA **			None
34	M53						Yes				None
35	M54						Yes				None
36	M55						Yes	** NA **			None
37	M57						Yes	** NA **			None
38	M59						Yes				None
39	M60						Yes				None
40	M62						Yes				None
41	M64						Yes				None
42	M66						Yes				None
43	M100						Yes				None
44	M101						Yes				None
45	M102						Yes				None
46	M105						Yes	Default			None
47	M106		OOOOOO				Yes	** NA **			None
48	M108						Yes	Default			None
49	M110		OOOOOO				Yes	** NA **			None
50	M111						Yes	Default			None
51	M134A						Yes	Default			None
52	M135A						Yes	Default			None
53	M136						Yes	Default			None
54	M129A	OOOOOX					Yes	** NA **			None
55	M131A						Yes	Default			None
56	M132A						Yes	Default			None
57	M135B						Yes	Default			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
58	M136A						Yes	Default			None
59	M76						Yes	** NA **			None
60	M77						Yes	** NA **			None
61	MP1A						Yes	** NA **			None
62	M97						Yes				None
63	M98						Yes				None
64	M99						Yes				None
65	M102A						Yes	Default			None
66	M102B						Yes	Default			None
67	M103B						Yes	Default			None
68	M104A						Yes	** NA **			None
69	M105A						Yes	Default			None
70	M106A						Yes	Default			None
71	M81						Yes	** NA **			None
72	M82						Yes	** NA **			None
73	MP2A						Yes	** NA **			None
74	M84						Yes	** NA **			None
75	M85						Yes	** NA **			None
76	MP3A						Yes	** NA **			None
77	M87						Yes	** NA **			None
78	M88						Yes	** NA **			None
79	MP4A						Yes	** NA **			None
80	M90						Yes	** NA **			None
81	M91						Yes	** NA **			None
82	MP1C						Yes	** NA **			None
83	M93						Yes	** NA **			None
84	M94						Yes	** NA **			None
85	MP2C						Yes	** NA **			None
86	M96						Yes	** NA **			None
87	M97A						Yes	** NA **			None
88	MP3C						Yes	** NA **			None
89	M99A						Yes	** NA **			None
90	M100B						Yes	** NA **			None
91	MP4C						Yes	** NA **			None
92	M102C						Yes	** NA **			None
93	M103C						Yes	** NA **			None
94	MP1B						Yes	** NA **			None
95	M105B						Yes	** NA **			None
96	M106B						Yes	** NA **			None
97	MP2B						Yes	** NA **			None
98	M108A						Yes	** NA **			None
99	M109A						Yes	** NA **			None
100	MP3B						Yes	** NA **			None
101	M111A						Yes	** NA **			None
102	M112						Yes	** NA **			None
103	MP4B						Yes	** NA **			None
104	M114	OOOOOX					Yes	** NA **			None
105	M115						Yes	** NA **			None
106	M116	OOOOOX					Yes	** NA **			None
107	M117						Yes	** NA **			None
108	M112A		OOOOOO				Yes	** NA **			None
109	M113		OOOOOO				Yes	** NA **			None
110	M114A		OOOOOO				Yes	** NA **			None
111	M115A		OOOOOO				Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-8.8	5
2	MP2A	My	.009	5
3	MP2A	Mz	-.003	5
4	MP2A	Y	-8.8	6
5	MP2A	My	.009	6
6	MP2A	Mz	-.003	6
7	MP2A	Y	-8.8	5
8	MP2A	My	.009	5
9	MP2A	Mz	.003	5
10	MP2A	Y	-8.8	6
11	MP2A	My	.009	6
12	MP2A	Mz	.003	6
13	MP2A	Y	-31.65	1.15
14	MP2A	My	-.024	1.15
15	MP2A	Mz	.024	1.15
16	MP2A	Y	-31.65	4.85
17	MP2A	My	-.024	4.85
18	MP2A	Mz	.024	4.85
19	MP2B	Y	-31.65	1.15
20	MP2B	My	-.014	1.15
21	MP2B	Mz	-.03	1.15
22	MP2B	Y	-31.65	4.85
23	MP2B	My	-.014	4.85
24	MP2B	Mz	-.03	4.85
25	MP2C	Y	-31.65	1.15
26	MP2C	My	.033	1.15
27	MP2C	Mz	.003	1.15
28	MP2C	Y	-31.65	4.85
29	MP2C	My	.033	4.85
30	MP2C	Mz	.003	4.85
31	MP2A	Y	-31.65	1.15
32	MP2A	My	-.024	1.15
33	MP2A	Mz	-.024	1.15
34	MP2A	Y	-31.65	4.85
35	MP2A	My	-.024	4.85
36	MP2A	Mz	-.024	4.85
37	MP2B	Y	-31.65	1.15
38	MP2B	My	.03	1.15
39	MP2B	Mz	-.014	1.15
40	MP2B	Y	-31.65	4.85
41	MP2B	My	.03	4.85
42	MP2B	Mz	-.014	4.85
43	MP2C	Y	-31.65	1.15
44	MP2C	My	-.003	1.15
45	MP2C	Mz	.033	1.15
46	MP2C	Y	-31.65	4.85
47	MP2C	My	-.003	4.85
48	MP2C	Mz	.033	4.85
49	MP3A	Y	-43.55	2
50	MP3A	My	-.022	2
51	MP3A	Mz	0	2
52	MP3A	Y	-43.55	4
53	MP3A	My	-.022	4
54	MP3A	Mz	0	4
55	MP3B	Y	-43.55	2
56	MP3B	My	-.022	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
57	MP3B	Mz	0	2
58	MP3B	Y	-43.55	4
59	MP3B	My	-.022	4
60	MP3B	Mz	0	4
61	MP3C	Y	-43.55	2
62	MP3C	My	-.022	2
63	MP3C	Mz	0	2
64	MP3C	Y	-43.55	4
65	MP3C	My	-.022	4
66	MP3C	Mz	0	4
67	MP1A	Y	-8.5	.25
68	MP1A	My	-.009	.25
69	MP1A	Mz	0	.25
70	MP1A	Y	-8.5	5.75
71	MP1A	My	-.009	5.75
72	MP1A	Mz	0	5.75
73	MP1B	Y	-8.5	.25
74	MP1B	My	.003	.25
75	MP1B	Mz	-.009	.25
76	MP1B	Y	-8.5	5.75
77	MP1B	My	.003	5.75
78	MP1B	Mz	-.009	5.75
79	MP1C	Y	-8.5	.25
80	MP1C	My	.006	.25
81	MP1C	Mz	.007	.25
82	MP1C	Y	-8.5	5.75
83	MP1C	My	.006	5.75
84	MP1C	Mz	.007	5.75
85	MP2A	Y	-10.4	1.27
86	MP2A	My	.004	1.27
87	MP2A	Mz	0	1.27
88	MP2B	Y	-10.4	1.27
89	MP2B	My	.004	1.27
90	MP2B	Mz	0	1.27
91	MP2C	Y	-10.4	1.27
92	MP2C	My	.004	1.27
93	MP2C	Mz	0	1.27
94	MP2A	Y	-84.4	2.35
95	MP2A	My	.053	2.35
96	MP2A	Mz	0	2.35
97	MP2B	Y	-84.4	2.35
98	MP2B	My	-.018	2.35
99	MP2B	Mz	.05	2.35
100	MP2C	Y	-84.4	2.35
101	MP2C	My	-.034	2.35
102	MP2C	Mz	-.04	2.35
103	MP3A	Y	-70.3	2.35
104	MP3A	My	.044	2.35
105	MP3A	Mz	0	2.35
106	MP3B	Y	-70.3	2.35
107	MP3B	My	-.015	2.35
108	MP3B	Mz	.041	2.35
109	MP3C	Y	-70.3	2.35
110	MP3C	My	-.028	2.35
111	MP3C	Mz	-.034	2.35

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-8.325	5
2	MP2A	My	.008	5
3	MP2A	Mz	-.003	5
4	MP2A	Y	-8.325	6
5	MP2A	My	.008	6
6	MP2A	Mz	-.003	6
7	MP2A	Y	-8.325	5
8	MP2A	My	.008	5
9	MP2A	Mz	.003	5
10	MP2A	Y	-8.325	6
11	MP2A	My	.008	6
12	MP2A	Mz	.003	6
13	MP2A	Y	-67.417	1.15
14	MP2A	My	-.051	1.15
15	MP2A	Mz	.051	1.15
16	MP2A	Y	-67.417	4.85
17	MP2A	My	-.051	4.85
18	MP2A	Mz	.051	4.85
19	MP2B	Y	-67.417	1.15
20	MP2B	My	-.03	1.15
21	MP2B	Mz	-.065	1.15
22	MP2B	Y	-67.417	4.85
23	MP2B	My	-.03	4.85
24	MP2B	Mz	-.065	4.85
25	MP2C	Y	-67.417	1.15
26	MP2C	My	.071	1.15
27	MP2C	Mz	.006	1.15
28	MP2C	Y	-67.417	4.85
29	MP2C	My	.071	4.85
30	MP2C	Mz	.006	4.85
31	MP2A	Y	-67.417	1.15
32	MP2A	My	-.051	1.15
33	MP2A	Mz	-.051	1.15
34	MP2A	Y	-67.417	4.85
35	MP2A	My	-.051	4.85
36	MP2A	Mz	-.051	4.85
37	MP2B	Y	-67.417	1.15
38	MP2B	My	.065	1.15
39	MP2B	Mz	-.03	1.15
40	MP2B	Y	-67.417	4.85
41	MP2B	My	.065	4.85
42	MP2B	Mz	-.03	4.85
43	MP2C	Y	-67.417	1.15
44	MP2C	My	-.006	1.15
45	MP2C	Mz	.071	1.15
46	MP2C	Y	-67.417	4.85
47	MP2C	My	-.006	4.85
48	MP2C	Mz	.071	4.85
49	MP3A	Y	-34.303	2
50	MP3A	My	-.017	2
51	MP3A	Mz	0	2
52	MP3A	Y	-34.303	4
53	MP3A	My	-.017	4
54	MP3A	Mz	0	4
55	MP3B	Y	-34.303	2
56	MP3B	My	-.017	2
57	MP3B	Mz	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3B	Y	-34.303	4
59	MP3B	My	-.017	4
60	MP3B	Mz	0	4
61	MP3C	Y	-34.303	2
62	MP3C	My	-.017	2
63	MP3C	Mz	0	2
64	MP3C	Y	-34.303	4
65	MP3C	My	-.017	4
66	MP3C	Mz	0	4
67	MP1A	Y	-49.841	.25
68	MP1A	My	-.054	.25
69	MP1A	Mz	0	.25
70	MP1A	Y	-49.841	5.75
71	MP1A	My	-.054	5.75
72	MP1A	Mz	0	5.75
73	MP1B	Y	-49.841	.25
74	MP1B	My	.018	.25
75	MP1B	Mz	-.051	.25
76	MP1B	Y	-49.841	5.75
77	MP1B	My	.018	5.75
78	MP1B	Mz	-.051	5.75
79	MP1C	Y	-49.841	.25
80	MP1C	My	.035	.25
81	MP1C	Mz	.041	.25
82	MP1C	Y	-49.841	5.75
83	MP1C	My	.035	5.75
84	MP1C	Mz	.041	5.75
85	MP2A	Y	-10.293	1.27
86	MP2A	My	.004	1.27
87	MP2A	Mz	0	1.27
88	MP2B	Y	-10.293	1.27
89	MP2B	My	.004	1.27
90	MP2B	Mz	0	1.27
91	MP2C	Y	-10.293	1.27
92	MP2C	My	.004	1.27
93	MP2C	Mz	0	1.27
94	MP2A	Y	-43.224	2.35
95	MP2A	My	.027	2.35
96	MP2A	Mz	0	2.35
97	MP2B	Y	-43.224	2.35
98	MP2B	My	-.009	2.35
99	MP2B	Mz	.025	2.35
100	MP2C	Y	-43.224	2.35
101	MP2C	My	-.017	2.35
102	MP2C	Mz	-.021	2.35
103	MP3A	Y	-38.861	2.35
104	MP3A	My	.024	2.35
105	MP3A	Mz	0	2.35
106	MP3B	Y	-38.861	2.35
107	MP3B	My	-.008	2.35
108	MP3B	Mz	.023	2.35
109	MP3C	Y	-38.861	2.35
110	MP3C	My	-.016	2.35
111	MP3C	Mz	-.019	2.35

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	5
2	MP2A	Z	-20.673	5
3	MP2A	Mx	.007	5
4	MP2A	X	0	6
5	MP2A	Z	-20.673	6
6	MP2A	Mx	.007	6
7	MP2A	X	0	5
8	MP2A	Z	-20.673	5
9	MP2A	Mx	-.007	5
10	MP2A	X	0	6
11	MP2A	Z	-20.673	6
12	MP2A	Mx	-.007	6
13	MP2A	X	0	1.15
14	MP2A	Z	-196.175	1.15
15	MP2A	Mx	-.147	1.15
16	MP2A	X	0	4.85
17	MP2A	Z	-196.175	4.85
18	MP2A	Mx	-.147	4.85
19	MP2B	X	0	1.15
20	MP2B	Z	-136.722	1.15
21	MP2B	Mx	.131	1.15
22	MP2B	X	0	4.85
23	MP2B	Z	-136.722	4.85
24	MP2B	Mx	.131	4.85
25	MP2C	X	0	1.15
26	MP2C	Z	-156.665	1.15
27	MP2C	Mx	-.014	1.15
28	MP2C	X	0	4.85
29	MP2C	Z	-156.665	4.85
30	MP2C	Mx	-.014	4.85
31	MP2A	X	0	1.15
32	MP2A	Z	-196.175	1.15
33	MP2A	Mx	.147	1.15
34	MP2A	X	0	4.85
35	MP2A	Z	-196.175	4.85
36	MP2A	Mx	.147	4.85
37	MP2B	X	0	1.15
38	MP2B	Z	-136.722	1.15
39	MP2B	Mx	.061	1.15
40	MP2B	X	0	4.85
41	MP2B	Z	-136.722	4.85
42	MP2B	Mx	.061	4.85
43	MP2C	X	0	1.15
44	MP2C	Z	-156.665	1.15
45	MP2C	Mx	-.166	1.15
46	MP2C	X	0	4.85
47	MP2C	Z	-156.665	4.85
48	MP2C	Mx	-.166	4.85
49	MP3A	X	0	2
50	MP3A	Z	-84.414	2
51	MP3A	Mx	0	2
52	MP3A	X	0	4
53	MP3A	Z	-84.414	4
54	MP3A	Mx	0	4
55	MP3B	X	0	2
56	MP3B	Z	-84.414	2
57	MP3B	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3B	X	0	4
59	MP3B	Z	-84.414	4
60	MP3B	Mx	0	4
61	MP3C	X	0	2
62	MP3C	Z	-84.414	2
63	MP3C	Mx	0	2
64	MP3C	X	0	4
65	MP3C	Z	-84.414	4
66	MP3C	Mx	0	4
67	MP1A	X	0	.25
68	MP1A	Z	-163.013	.25
69	MP1A	Mx	0	.25
70	MP1A	X	0	5.75
71	MP1A	Z	-163.013	5.75
72	MP1A	Mx	0	5.75
73	MP1B	X	0	.25
74	MP1B	Z	-98.136	.25
75	MP1B	Mx	.1	.25
76	MP1B	X	0	5.75
77	MP1B	Z	-98.136	5.75
78	MP1B	Mx	.1	5.75
79	MP1C	X	0	.25
80	MP1C	Z	-119.898	.25
81	MP1C	Mx	-.1	.25
82	MP1C	X	0	5.75
83	MP1C	Z	-119.898	5.75
84	MP1C	Mx	-.1	5.75
85	MP2A	X	0	1.27
86	MP2A	Z	-15.935	1.27
87	MP2A	Mx	0	1.27
88	MP2B	X	0	1.27
89	MP2B	Z	-15.935	1.27
90	MP2B	Mx	0	1.27
91	MP2C	X	0	1.27
92	MP2C	Z	-15.935	1.27
93	MP2C	Mx	0	1.27
94	MP2A	X	0	2.35
95	MP2A	Z	-66.756	2.35
96	MP2A	Mx	0	2.35
97	MP2B	X	0	2.35
98	MP2B	Z	-47.36	2.35
99	MP2B	Mx	-.028	2.35
100	MP2C	X	0	2.35
101	MP2C	Z	-53.866	2.35
102	MP2C	Mx	.026	2.35
103	MP3A	X	0	2.35
104	MP3A	Z	-66.756	2.35
105	MP3A	Mx	0	2.35
106	MP3B	X	0	2.35
107	MP3B	Z	-40.135	2.35
108	MP3B	Mx	-.024	2.35
109	MP3C	X	0	2.35
110	MP3C	Z	-49.064	2.35
111	MP3C	Mx	.023	2.35

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	10.344	5
2	MP2A	Z	-17.916	5
3	MP2A	Mx	.016	5
4	MP2A	X	10.344	6
5	MP2A	Z	-17.916	6
6	MP2A	Mx	.016	6
7	MP2A	X	10.344	5
8	MP2A	Z	-17.916	5
9	MP2A	Mx	.004	5
10	MP2A	X	10.344	6
11	MP2A	Z	-17.916	6
12	MP2A	Mx	.004	6
13	MP2A	X	89.672	1.15
14	MP2A	Z	-155.316	1.15
15	MP2A	Mx	-.184	1.15
16	MP2A	X	89.672	4.85
17	MP2A	Z	-155.316	4.85
18	MP2A	Mx	-.184	4.85
19	MP2B	X	65.438	1.15
20	MP2B	Z	-113.342	1.15
21	MP2B	Mx	.08	1.15
22	MP2B	X	65.438	4.85
23	MP2B	Z	-113.342	4.85
24	MP2B	Mx	.08	4.85
25	MP2C	X	94.15	1.15
26	MP2C	Z	-163.072	1.15
27	MP2C	Mx	.084	1.15
28	MP2C	X	94.15	4.85
29	MP2C	Z	-163.072	4.85
30	MP2C	Mx	.084	4.85
31	MP2A	X	89.672	1.15
32	MP2A	Z	-155.316	1.15
33	MP2A	Mx	.049	1.15
34	MP2A	X	89.672	4.85
35	MP2A	Z	-155.316	4.85
36	MP2A	Mx	.049	4.85
37	MP2B	X	65.438	1.15
38	MP2B	Z	-113.342	1.15
39	MP2B	Mx	.114	1.15
40	MP2B	X	65.438	4.85
41	MP2B	Z	-113.342	4.85
42	MP2B	Mx	.114	4.85
43	MP2C	X	94.15	1.15
44	MP2C	Z	-163.072	1.15
45	MP2C	Mx	-.181	1.15
46	MP2C	X	94.15	4.85
47	MP2C	Z	-163.072	4.85
48	MP2C	Mx	-.181	4.85
49	MP3A	X	35.289	2
50	MP3A	Z	-61.122	2
51	MP3A	Mx	-.018	2
52	MP3A	X	35.289	4
53	MP3A	Z	-61.122	4
54	MP3A	Mx	-.018	4
55	MP3B	X	35.289	2
56	MP3B	Z	-61.122	2
57	MP3B	Mx	-.018	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3B	X	35.289	4
59	MP3B	Z	-61.122	4
60	MP3B	Mx	-.018	4
61	MP3C	X	35.289	2
62	MP3C	Z	-61.122	2
63	MP3C	Mx	-.018	2
64	MP3C	X	35.289	4
65	MP3C	Z	-61.122	4
66	MP3C	Mx	-.018	4
67	MP1A	X	72.322	.25
68	MP1A	Z	-125.266	.25
69	MP1A	Mx	-.078	.25
70	MP1A	X	72.322	5.75
71	MP1A	Z	-125.266	5.75
72	MP1A	Mx	-.078	5.75
73	MP1B	X	45.878	.25
74	MP1B	Z	-79.463	.25
75	MP1B	Mx	.098	.25
76	MP1B	X	45.878	5.75
77	MP1B	Z	-79.463	5.75
78	MP1B	Mx	.098	5.75
79	MP1C	X	77.209	.25
80	MP1C	Z	-133.73	.25
81	MP1C	Mx	-.057	.25
82	MP1C	X	77.209	5.75
83	MP1C	Z	-133.73	5.75
84	MP1C	Mx	-.057	5.75
85	MP2A	X	7.354	1.27
86	MP2A	Z	-12.737	1.27
87	MP2A	Mx	.003	1.27
88	MP2B	X	7.354	1.27
89	MP2B	Z	-12.737	1.27
90	MP2B	Mx	.003	1.27
91	MP2C	X	7.354	1.27
92	MP2C	Z	-12.737	1.27
93	MP2C	Mx	.003	1.27
94	MP2A	X	30.632	2.35
95	MP2A	Z	-53.057	2.35
96	MP2A	Mx	.019	2.35
97	MP2B	X	22.727	2.35
98	MP2B	Z	-39.364	2.35
99	MP2B	Mx	-.028	2.35
100	MP2C	X	32.093	2.35
101	MP2C	Z	-55.587	2.35
102	MP2C	Mx	.014	2.35
103	MP3A	X	29.609	2.35
104	MP3A	Z	-51.285	2.35
105	MP3A	Mx	.019	2.35
106	MP3B	X	18.759	2.35
107	MP3B	Z	-32.491	2.35
108	MP3B	Mx	-.023	2.35
109	MP3C	X	31.615	2.35
110	MP3C	Z	-54.758	2.35
111	MP3C	Mx	.014	2.35

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	17.943	5
2	MP2A	Z	-10.359	5
3	MP2A	Mx	.021	5
4	MP2A	X	17.943	6
5	MP2A	Z	-10.359	6
6	MP2A	Mx	.021	6
7	MP2A	X	17.943	5
8	MP2A	Z	-10.359	5
9	MP2A	Mx	.014	5
10	MP2A	X	17.943	6
11	MP2A	Z	-10.359	6
12	MP2A	Mx	.014	6
13	MP2A	X	126.161	1.15
14	MP2A	Z	-72.839	1.15
15	MP2A	Mx	-.149	1.15
16	MP2A	X	126.161	4.85
17	MP2A	Z	-72.839	4.85
18	MP2A	Mx	-.149	4.85
19	MP2B	X	135.676	1.15
20	MP2B	Z	-78.332	1.15
21	MP2B	Mx	.014	1.15
22	MP2B	X	135.676	4.85
23	MP2B	Z	-78.332	4.85
24	MP2B	Mx	.014	4.85
25	MP2C	X	168.135	1.15
26	MP2C	Z	-97.073	1.15
27	MP2C	Mx	.169	1.15
28	MP2C	X	168.135	4.85
29	MP2C	Z	-97.073	4.85
30	MP2C	Mx	.169	4.85
31	MP2A	X	126.161	1.15
32	MP2A	Z	-72.839	1.15
33	MP2A	Mx	-.04	1.15
34	MP2A	X	126.161	4.85
35	MP2A	Z	-72.839	4.85
36	MP2A	Mx	-.04	4.85
37	MP2B	X	135.676	1.15
38	MP2B	Z	-78.332	1.15
39	MP2B	Mx	.166	1.15
40	MP2B	X	135.676	4.85
41	MP2B	Z	-78.332	4.85
42	MP2B	Mx	.166	4.85
43	MP2C	X	168.135	1.15
44	MP2C	Z	-97.073	1.15
45	MP2C	Mx	-.118	1.15
46	MP2C	X	168.135	4.85
47	MP2C	Z	-97.073	4.85
48	MP2C	Mx	-.118	4.85
49	MP3A	X	37.158	2
50	MP3A	Z	-21.453	2
51	MP3A	Mx	-.019	2
52	MP3A	X	37.158	4
53	MP3A	Z	-21.453	4
54	MP3A	Mx	-.019	4
55	MP3B	X	37.158	2
56	MP3B	Z	-21.453	2
57	MP3B	Mx	-.019	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3B	X	37.158	4
59	MP3B	Z	-21.453	4
60	MP3B	Mx	-.019	4
61	MP3C	X	37.158	2
62	MP3C	Z	-21.453	2
63	MP3C	Mx	-.019	2
64	MP3C	X	37.158	4
65	MP3C	Z	-21.453	4
66	MP3C	Mx	-.019	4
67	MP1A	X	93.452	.25
68	MP1A	Z	-53.954	.25
69	MP1A	Mx	-.101	.25
70	MP1A	X	93.452	5.75
71	MP1A	Z	-53.954	5.75
72	MP1A	Mx	-.101	5.75
73	MP1B	X	103.835	.25
74	MP1B	Z	-59.949	.25
75	MP1B	Mx	.1	.25
76	MP1B	X	103.835	5.75
77	MP1B	Z	-59.949	5.75
78	MP1B	Mx	.1	5.75
79	MP1C	X	139.255	.25
80	MP1C	Z	-80.399	.25
81	MP1C	Mx	.03	.25
82	MP1C	X	139.255	5.75
83	MP1C	Z	-80.399	5.75
84	MP1C	Mx	.03	5.75
85	MP2A	X	10.611	1.27
86	MP2A	Z	-6.126	1.27
87	MP2A	Mx	.004	1.27
88	MP2B	X	10.611	1.27
89	MP2B	Z	-6.126	1.27
90	MP2B	Mx	.004	1.27
91	MP2C	X	10.611	1.27
92	MP2C	Z	-6.126	1.27
93	MP2C	Mx	.004	1.27
94	MP2A	X	43.546	2.35
95	MP2A	Z	-25.141	2.35
96	MP2A	Mx	.027	2.35
97	MP2B	X	46.649	2.35
98	MP2B	Z	-26.933	2.35
99	MP2B	Mx	-.026	2.35
100	MP2C	X	57.239	2.35
101	MP2C	Z	-33.047	2.35
102	MP2C	Mx	-.007	2.35
103	MP3A	X	38.231	2.35
104	MP3A	Z	-22.072	2.35
105	MP3A	Mx	.024	2.35
106	MP3B	X	42.491	2.35
107	MP3B	Z	-24.532	2.35
108	MP3B	Mx	-.023	2.35
109	MP3C	X	57.025	2.35
110	MP3C	Z	-32.923	2.35
111	MP3C	Mx	-.007	2.35

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	20.734	5
2	MP2A	Z	0	5
3	MP2A	Mx	.021	5
4	MP2A	X	20.734	6
5	MP2A	Z	0	6
6	MP2A	Mx	.021	6
7	MP2A	X	20.734	5
8	MP2A	Z	0	5
9	MP2A	Mx	.021	5
10	MP2A	X	20.734	6
11	MP2A	Z	0	6
12	MP2A	Mx	.021	6
13	MP2A	X	128.846	1.15
14	MP2A	Z	0	1.15
15	MP2A	Mx	-.097	1.15
16	MP2A	X	128.846	4.85
17	MP2A	Z	0	4.85
18	MP2A	Mx	-.097	4.85
19	MP2B	X	188.299	1.15
20	MP2B	Z	0	1.15
21	MP2B	Mx	-.084	1.15
22	MP2B	X	188.299	4.85
23	MP2B	Z	0	4.85
24	MP2B	Mx	-.084	4.85
25	MP2C	X	168.356	1.15
26	MP2C	Z	0	1.15
27	MP2C	Mx	.178	1.15
28	MP2C	X	168.356	4.85
29	MP2C	Z	0	4.85
30	MP2C	Mx	.178	4.85
31	MP2A	X	128.846	1.15
32	MP2A	Z	0	1.15
33	MP2A	Mx	-.097	1.15
34	MP2A	X	128.846	4.85
35	MP2A	Z	0	4.85
36	MP2A	Mx	-.097	4.85
37	MP2B	X	188.299	1.15
38	MP2B	Z	0	1.15
39	MP2B	Mx	.181	1.15
40	MP2B	X	188.299	4.85
41	MP2B	Z	0	4.85
42	MP2B	Mx	.181	4.85
43	MP2C	X	168.356	1.15
44	MP2C	Z	0	1.15
45	MP2C	Mx	-.016	1.15
46	MP2C	X	168.356	4.85
47	MP2C	Z	0	4.85
48	MP2C	Mx	-.016	4.85
49	MP3A	X	29.071	2
50	MP3A	Z	0	2
51	MP3A	Mx	-.015	2
52	MP3A	X	29.071	4
53	MP3A	Z	0	4
54	MP3A	Mx	-.015	4
55	MP3B	X	29.071	2
56	MP3B	Z	0	2
57	MP3B	Mx	-.015	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3B	X	29.071	4
59	MP3B	Z	0	4
60	MP3B	Mx	-.015	4
61	MP3C	X	29.071	2
62	MP3C	Z	0	2
63	MP3C	Mx	-.015	2
64	MP3C	X	29.071	4
65	MP3C	Z	0	4
66	MP3C	Mx	-.015	4
67	MP1A	X	89.541	.25
68	MP1A	Z	0	.25
69	MP1A	Mx	-.097	.25
70	MP1A	X	89.541	5.75
71	MP1A	Z	0	5.75
72	MP1A	Mx	-.097	5.75
73	MP1B	X	154.418	.25
74	MP1B	Z	0	.25
75	MP1B	Mx	.057	.25
76	MP1B	X	154.418	5.75
77	MP1B	Z	0	5.75
78	MP1B	Mx	.057	5.75
79	MP1C	X	132.656	.25
80	MP1C	Z	0	.25
81	MP1C	Mx	.092	.25
82	MP1C	X	132.656	5.75
83	MP1C	Z	0	5.75
84	MP1C	Mx	.092	5.75
85	MP2A	X	11.025	1.27
86	MP2A	Z	0	1.27
87	MP2A	Mx	.005	1.27
88	MP2B	X	11.025	1.27
89	MP2B	Z	0	1.27
90	MP2B	Mx	.005	1.27
91	MP2C	X	11.025	1.27
92	MP2C	Z	0	1.27
93	MP2C	Mx	.005	1.27
94	MP2A	X	44.791	2.35
95	MP2A	Z	0	2.35
96	MP2A	Mx	.028	2.35
97	MP2B	X	64.186	2.35
98	MP2B	Z	0	2.35
99	MP2B	Mx	-.014	2.35
100	MP2C	X	57.68	2.35
101	MP2C	Z	0	2.35
102	MP2C	Mx	-.023	2.35
103	MP3A	X	36.608	2.35
104	MP3A	Z	0	2.35
105	MP3A	Mx	.023	2.35
106	MP3B	X	63.229	2.35
107	MP3B	Z	0	2.35
108	MP3B	Mx	-.014	2.35
109	MP3C	X	54.299	2.35
110	MP3C	Z	0	2.35
111	MP3C	Mx	-.022	2.35

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	17.943	5
2	MP2A	Z	10.359	5
3	MP2A	Mx	.014	5
4	MP2A	X	17.943	6
5	MP2A	Z	10.359	6
6	MP2A	Mx	.014	6
7	MP2A	X	17.943	5
8	MP2A	Z	10.359	5
9	MP2A	Mx	.021	5
10	MP2A	X	17.943	6
11	MP2A	Z	10.359	6
12	MP2A	Mx	.021	6
13	MP2A	X	126.161	1.15
14	MP2A	Z	72.839	1.15
15	MP2A	Mx	-.04	1.15
16	MP2A	X	126.161	4.85
17	MP2A	Z	72.839	4.85
18	MP2A	Mx	-.04	4.85
19	MP2B	X	168.135	1.15
20	MP2B	Z	97.073	1.15
21	MP2B	Mx	-.169	1.15
22	MP2B	X	168.135	4.85
23	MP2B	Z	97.073	4.85
24	MP2B	Mx	-.169	4.85
25	MP2C	X	118.404	1.15
26	MP2C	Z	68.361	1.15
27	MP2C	Mx	.131	1.15
28	MP2C	X	118.404	4.85
29	MP2C	Z	68.361	4.85
30	MP2C	Mx	.131	4.85
31	MP2A	X	126.161	1.15
32	MP2A	Z	72.839	1.15
33	MP2A	Mx	-.149	1.15
34	MP2A	X	126.161	4.85
35	MP2A	Z	72.839	4.85
36	MP2A	Mx	-.149	4.85
37	MP2B	X	168.135	1.15
38	MP2B	Z	97.073	1.15
39	MP2B	Mx	.118	1.15
40	MP2B	X	168.135	4.85
41	MP2B	Z	97.073	4.85
42	MP2B	Mx	.118	4.85
43	MP2C	X	118.404	1.15
44	MP2C	Z	68.361	1.15
45	MP2C	Mx	.061	1.15
46	MP2C	X	118.404	4.85
47	MP2C	Z	68.361	4.85
48	MP2C	Mx	.061	4.85
49	MP3A	X	37.158	2
50	MP3A	Z	21.453	2
51	MP3A	Mx	-.019	2
52	MP3A	X	37.158	4
53	MP3A	Z	21.453	4
54	MP3A	Mx	-.019	4
55	MP3B	X	37.158	2
56	MP3B	Z	21.453	2
57	MP3B	Mx	-.019	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3B	X	37.158	4
59	MP3B	Z	21.453	4
60	MP3B	Mx	-.019	4
61	MP3C	X	37.158	2
62	MP3C	Z	21.453	2
63	MP3C	Mx	-.019	2
64	MP3C	X	37.158	4
65	MP3C	Z	21.453	4
66	MP3C	Mx	-.019	4
67	MP1A	X	93.452	.25
68	MP1A	Z	53.954	.25
69	MP1A	Mx	-.101	.25
70	MP1A	X	93.452	5.75
71	MP1A	Z	53.954	5.75
72	MP1A	Mx	-.101	5.75
73	MP1B	X	139.255	.25
74	MP1B	Z	80.399	.25
75	MP1B	Mx	-.03	.25
76	MP1B	X	139.255	5.75
77	MP1B	Z	80.399	5.75
78	MP1B	Mx	-.03	5.75
79	MP1C	X	84.988	.25
80	MP1C	Z	49.068	.25
81	MP1C	Mx	.1	.25
82	MP1C	X	84.988	5.75
83	MP1C	Z	49.068	5.75
84	MP1C	Mx	.1	5.75
85	MP2A	X	10.611	1.27
86	MP2A	Z	6.126	1.27
87	MP2A	Mx	.004	1.27
88	MP2B	X	10.611	1.27
89	MP2B	Z	6.126	1.27
90	MP2B	Mx	.004	1.27
91	MP2C	X	10.611	1.27
92	MP2C	Z	6.126	1.27
93	MP2C	Mx	.004	1.27
94	MP2A	X	43.546	2.35
95	MP2A	Z	25.141	2.35
96	MP2A	Mx	.027	2.35
97	MP2B	X	57.239	2.35
98	MP2B	Z	33.047	2.35
99	MP2B	Mx	.007	2.35
100	MP2C	X	41.015	2.35
101	MP2C	Z	23.68	2.35
102	MP2C	Mx	-.028	2.35
103	MP3A	X	38.231	2.35
104	MP3A	Z	22.072	2.35
105	MP3A	Mx	.024	2.35
106	MP3B	X	57.025	2.35
107	MP3B	Z	32.923	2.35
108	MP3B	Mx	.007	2.35
109	MP3C	X	34.758	2.35
110	MP3C	Z	20.067	2.35
111	MP3C	Mx	-.024	2.35

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	10.344	5
2	MP2A	Z	17.916	5
3	MP2A	Mx	.004	5
4	MP2A	X	10.344	6
5	MP2A	Z	17.916	6
6	MP2A	Mx	.004	6
7	MP2A	X	10.344	5
8	MP2A	Z	17.916	5
9	MP2A	Mx	.016	5
10	MP2A	X	10.344	6
11	MP2A	Z	17.916	6
12	MP2A	Mx	.016	6
13	MP2A	X	89.672	1.15
14	MP2A	Z	155.316	1.15
15	MP2A	Mx	.049	1.15
16	MP2A	X	89.672	4.85
17	MP2A	Z	155.316	4.85
18	MP2A	Mx	.049	4.85
19	MP2B	X	84.178	1.15
20	MP2B	Z	145.801	1.15
21	MP2B	Mx	-.178	1.15
22	MP2B	X	84.178	4.85
23	MP2B	Z	145.801	4.85
24	MP2B	Mx	-.178	4.85
25	MP2C	X	65.438	1.15
26	MP2C	Z	113.342	1.15
27	MP2C	Mx	.08	1.15
28	MP2C	X	65.438	4.85
29	MP2C	Z	113.342	4.85
30	MP2C	Mx	.08	4.85
31	MP2A	X	89.672	1.15
32	MP2A	Z	155.316	1.15
33	MP2A	Mx	-.184	1.15
34	MP2A	X	89.672	4.85
35	MP2A	Z	155.316	4.85
36	MP2A	Mx	-.184	4.85
37	MP2B	X	84.178	1.15
38	MP2B	Z	145.801	1.15
39	MP2B	Mx	.016	1.15
40	MP2B	X	84.178	4.85
41	MP2B	Z	145.801	4.85
42	MP2B	Mx	.016	4.85
43	MP2C	X	65.438	1.15
44	MP2C	Z	113.342	1.15
45	MP2C	Mx	.114	1.15
46	MP2C	X	65.438	4.85
47	MP2C	Z	113.342	4.85
48	MP2C	Mx	.114	4.85
49	MP3A	X	35.289	2
50	MP3A	Z	61.122	2
51	MP3A	Mx	-.018	2
52	MP3A	X	35.289	4
53	MP3A	Z	61.122	4
54	MP3A	Mx	-.018	4
55	MP3B	X	35.289	2
56	MP3B	Z	61.122	2
57	MP3B	Mx	-.018	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3B	X	35.289	4
59	MP3B	Z	61.122	4
60	MP3B	Mx	-.018	4
61	MP3C	X	35.289	2
62	MP3C	Z	61.122	2
63	MP3C	Mx	-.018	2
64	MP3C	X	35.289	4
65	MP3C	Z	61.122	4
66	MP3C	Mx	-.018	4
67	MP1A	X	72.322	.25
68	MP1A	Z	125.266	.25
69	MP1A	Mx	-.078	.25
70	MP1A	X	72.322	5.75
71	MP1A	Z	125.266	5.75
72	MP1A	Mx	-.078	5.75
73	MP1B	X	66.328	.25
74	MP1B	Z	114.884	.25
75	MP1B	Mx	-.092	.25
76	MP1B	X	66.328	5.75
77	MP1B	Z	114.884	5.75
78	MP1B	Mx	-.092	5.75
79	MP1C	X	45.878	.25
80	MP1C	Z	79.463	.25
81	MP1C	Mx	.098	.25
82	MP1C	X	45.878	5.75
83	MP1C	Z	79.463	5.75
84	MP1C	Mx	.098	5.75
85	MP2A	X	7.354	1.27
86	MP2A	Z	12.737	1.27
87	MP2A	Mx	.003	1.27
88	MP2B	X	7.354	1.27
89	MP2B	Z	12.737	1.27
90	MP2B	Mx	.003	1.27
91	MP2C	X	7.354	1.27
92	MP2C	Z	12.737	1.27
93	MP2C	Mx	.003	1.27
94	MP2A	X	30.632	2.35
95	MP2A	Z	53.057	2.35
96	MP2A	Mx	.019	2.35
97	MP2B	X	28.84	2.35
98	MP2B	Z	49.953	2.35
99	MP2B	Mx	.023	2.35
100	MP2C	X	22.727	2.35
101	MP2C	Z	39.364	2.35
102	MP2C	Mx	-.028	2.35
103	MP3A	X	29.609	2.35
104	MP3A	Z	51.285	2.35
105	MP3A	Mx	.019	2.35
106	MP3B	X	27.15	2.35
107	MP3B	Z	47.025	2.35
108	MP3B	Mx	.022	2.35
109	MP3C	X	18.759	2.35
110	MP3C	Z	32.491	2.35
111	MP3C	Mx	-.023	2.35

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	5
2	MP2A	Z	20.673	5
3	MP2A	Mx	-.007	5
4	MP2A	X	0	6
5	MP2A	Z	20.673	6
6	MP2A	Mx	-.007	6
7	MP2A	X	0	5
8	MP2A	Z	20.673	5
9	MP2A	Mx	.007	5
10	MP2A	X	0	6
11	MP2A	Z	20.673	6
12	MP2A	Mx	.007	6
13	MP2A	X	0	1.15
14	MP2A	Z	196.175	1.15
15	MP2A	Mx	.147	1.15
16	MP2A	X	0	4.85
17	MP2A	Z	196.175	4.85
18	MP2A	Mx	.147	4.85
19	MP2B	X	0	1.15
20	MP2B	Z	136.722	1.15
21	MP2B	Mx	-.131	1.15
22	MP2B	X	0	4.85
23	MP2B	Z	136.722	4.85
24	MP2B	Mx	-.131	4.85
25	MP2C	X	0	1.15
26	MP2C	Z	156.665	1.15
27	MP2C	Mx	.014	1.15
28	MP2C	X	0	4.85
29	MP2C	Z	156.665	4.85
30	MP2C	Mx	.014	4.85
31	MP2A	X	0	1.15
32	MP2A	Z	196.175	1.15
33	MP2A	Mx	-.147	1.15
34	MP2A	X	0	4.85
35	MP2A	Z	196.175	4.85
36	MP2A	Mx	-.147	4.85
37	MP2B	X	0	1.15
38	MP2B	Z	136.722	1.15
39	MP2B	Mx	-.061	1.15
40	MP2B	X	0	4.85
41	MP2B	Z	136.722	4.85
42	MP2B	Mx	-.061	4.85
43	MP2C	X	0	1.15
44	MP2C	Z	156.665	1.15
45	MP2C	Mx	.166	1.15
46	MP2C	X	0	4.85
47	MP2C	Z	156.665	4.85
48	MP2C	Mx	.166	4.85
49	MP3A	X	0	2
50	MP3A	Z	84.414	2
51	MP3A	Mx	0	2
52	MP3A	X	0	4
53	MP3A	Z	84.414	4
54	MP3A	Mx	0	4
55	MP3B	X	0	2
56	MP3B	Z	84.414	2
57	MP3B	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3B	X	0	4
59	MP3B	Z	84.414	4
60	MP3B	Mx	0	4
61	MP3C	X	0	2
62	MP3C	Z	84.414	2
63	MP3C	Mx	0	2
64	MP3C	X	0	4
65	MP3C	Z	84.414	4
66	MP3C	Mx	0	4
67	MP1A	X	0	.25
68	MP1A	Z	163.013	.25
69	MP1A	Mx	0	.25
70	MP1A	X	0	5.75
71	MP1A	Z	163.013	5.75
72	MP1A	Mx	0	5.75
73	MP1B	X	0	.25
74	MP1B	Z	98.136	.25
75	MP1B	Mx	-.1	.25
76	MP1B	X	0	5.75
77	MP1B	Z	98.136	5.75
78	MP1B	Mx	-.1	5.75
79	MP1C	X	0	.25
80	MP1C	Z	119.898	.25
81	MP1C	Mx	.1	.25
82	MP1C	X	0	5.75
83	MP1C	Z	119.898	5.75
84	MP1C	Mx	.1	5.75
85	MP2A	X	0	1.27
86	MP2A	Z	15.935	1.27
87	MP2A	Mx	0	1.27
88	MP2B	X	0	1.27
89	MP2B	Z	15.935	1.27
90	MP2B	Mx	0	1.27
91	MP2C	X	0	1.27
92	MP2C	Z	15.935	1.27
93	MP2C	Mx	0	1.27
94	MP2A	X	0	2.35
95	MP2A	Z	66.756	2.35
96	MP2A	Mx	0	2.35
97	MP2B	X	0	2.35
98	MP2B	Z	47.36	2.35
99	MP2B	Mx	.028	2.35
100	MP2C	X	0	2.35
101	MP2C	Z	53.866	2.35
102	MP2C	Mx	-.026	2.35
103	MP3A	X	0	2.35
104	MP3A	Z	66.756	2.35
105	MP3A	Mx	0	2.35
106	MP3B	X	0	2.35
107	MP3B	Z	40.135	2.35
108	MP3B	Mx	.024	2.35
109	MP3C	X	0	2.35
110	MP3C	Z	49.064	2.35
111	MP3C	Mx	-.023	2.35

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-10.344	5
2	MP2A	Z	17.916	5
3	MP2A	Mx	-.016	5
4	MP2A	X	-10.344	6
5	MP2A	Z	17.916	6
6	MP2A	Mx	-.016	6
7	MP2A	X	-10.344	5
8	MP2A	Z	17.916	5
9	MP2A	Mx	-.004	5
10	MP2A	X	-10.344	6
11	MP2A	Z	17.916	6
12	MP2A	Mx	-.004	6
13	MP2A	X	-89.672	1.15
14	MP2A	Z	155.316	1.15
15	MP2A	Mx	.184	1.15
16	MP2A	X	-89.672	4.85
17	MP2A	Z	155.316	4.85
18	MP2A	Mx	.184	4.85
19	MP2B	X	-65.438	1.15
20	MP2B	Z	113.342	1.15
21	MP2B	Mx	-.08	1.15
22	MP2B	X	-65.438	4.85
23	MP2B	Z	113.342	4.85
24	MP2B	Mx	-.08	4.85
25	MP2C	X	-94.15	1.15
26	MP2C	Z	163.072	1.15
27	MP2C	Mx	-.084	1.15
28	MP2C	X	-94.15	4.85
29	MP2C	Z	163.072	4.85
30	MP2C	Mx	-.084	4.85
31	MP2A	X	-89.672	1.15
32	MP2A	Z	155.316	1.15
33	MP2A	Mx	-.049	1.15
34	MP2A	X	-89.672	4.85
35	MP2A	Z	155.316	4.85
36	MP2A	Mx	-.049	4.85
37	MP2B	X	-65.438	1.15
38	MP2B	Z	113.342	1.15
39	MP2B	Mx	-.114	1.15
40	MP2B	X	-65.438	4.85
41	MP2B	Z	113.342	4.85
42	MP2B	Mx	-.114	4.85
43	MP2C	X	-94.15	1.15
44	MP2C	Z	163.072	1.15
45	MP2C	Mx	.181	1.15
46	MP2C	X	-94.15	4.85
47	MP2C	Z	163.072	4.85
48	MP2C	Mx	.181	4.85
49	MP3A	X	-35.289	2
50	MP3A	Z	61.122	2
51	MP3A	Mx	.018	2
52	MP3A	X	-35.289	4
53	MP3A	Z	61.122	4
54	MP3A	Mx	.018	4
55	MP3B	X	-35.289	2
56	MP3B	Z	61.122	2
57	MP3B	Mx	.018	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3B	X	-35.289	4
59	MP3B	Z	61.122	4
60	MP3B	Mx	.018	4
61	MP3C	X	-35.289	2
62	MP3C	Z	61.122	2
63	MP3C	Mx	.018	2
64	MP3C	X	-35.289	4
65	MP3C	Z	61.122	4
66	MP3C	Mx	.018	4
67	MP1A	X	-72.322	.25
68	MP1A	Z	125.266	.25
69	MP1A	Mx	.078	.25
70	MP1A	X	-72.322	5.75
71	MP1A	Z	125.266	5.75
72	MP1A	Mx	.078	5.75
73	MP1B	X	-45.878	.25
74	MP1B	Z	79.463	.25
75	MP1B	Mx	-.098	.25
76	MP1B	X	-45.878	5.75
77	MP1B	Z	79.463	5.75
78	MP1B	Mx	-.098	5.75
79	MP1C	X	-77.209	.25
80	MP1C	Z	133.73	.25
81	MP1C	Mx	.057	.25
82	MP1C	X	-77.209	5.75
83	MP1C	Z	133.73	5.75
84	MP1C	Mx	.057	5.75
85	MP2A	X	-7.354	1.27
86	MP2A	Z	12.737	1.27
87	MP2A	Mx	-.003	1.27
88	MP2B	X	-7.354	1.27
89	MP2B	Z	12.737	1.27
90	MP2B	Mx	-.003	1.27
91	MP2C	X	-7.354	1.27
92	MP2C	Z	12.737	1.27
93	MP2C	Mx	-.003	1.27
94	MP2A	X	-30.632	2.35
95	MP2A	Z	53.057	2.35
96	MP2A	Mx	-.019	2.35
97	MP2B	X	-22.727	2.35
98	MP2B	Z	39.364	2.35
99	MP2B	Mx	.028	2.35
100	MP2C	X	-32.093	2.35
101	MP2C	Z	55.587	2.35
102	MP2C	Mx	-.014	2.35
103	MP3A	X	-29.609	2.35
104	MP3A	Z	51.285	2.35
105	MP3A	Mx	-.019	2.35
106	MP3B	X	-18.759	2.35
107	MP3B	Z	32.491	2.35
108	MP3B	Mx	.023	2.35
109	MP3C	X	-31.615	2.35
110	MP3C	Z	54.758	2.35
111	MP3C	Mx	-.014	2.35

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-17.943	5
2	MP2A	Z	10.359	5
3	MP2A	Mx	-.021	5
4	MP2A	X	-17.943	6
5	MP2A	Z	10.359	6
6	MP2A	Mx	-.021	6
7	MP2A	X	-17.943	5
8	MP2A	Z	10.359	5
9	MP2A	Mx	-.014	5
10	MP2A	X	-17.943	6
11	MP2A	Z	10.359	6
12	MP2A	Mx	-.014	6
13	MP2A	X	-126.161	1.15
14	MP2A	Z	72.839	1.15
15	MP2A	Mx	.149	1.15
16	MP2A	X	-126.161	4.85
17	MP2A	Z	72.839	4.85
18	MP2A	Mx	.149	4.85
19	MP2B	X	-135.676	1.15
20	MP2B	Z	78.332	1.15
21	MP2B	Mx	-.014	1.15
22	MP2B	X	-135.676	4.85
23	MP2B	Z	78.332	4.85
24	MP2B	Mx	-.014	4.85
25	MP2C	X	-168.135	1.15
26	MP2C	Z	97.073	1.15
27	MP2C	Mx	-.169	1.15
28	MP2C	X	-168.135	4.85
29	MP2C	Z	97.073	4.85
30	MP2C	Mx	-.169	4.85
31	MP2A	X	-126.161	1.15
32	MP2A	Z	72.839	1.15
33	MP2A	Mx	.04	1.15
34	MP2A	X	-126.161	4.85
35	MP2A	Z	72.839	4.85
36	MP2A	Mx	.04	4.85
37	MP2B	X	-135.676	1.15
38	MP2B	Z	78.332	1.15
39	MP2B	Mx	-.166	1.15
40	MP2B	X	-135.676	4.85
41	MP2B	Z	78.332	4.85
42	MP2B	Mx	-.166	4.85
43	MP2C	X	-168.135	1.15
44	MP2C	Z	97.073	1.15
45	MP2C	Mx	.118	1.15
46	MP2C	X	-168.135	4.85
47	MP2C	Z	97.073	4.85
48	MP2C	Mx	.118	4.85
49	MP3A	X	-37.158	2
50	MP3A	Z	21.453	2
51	MP3A	Mx	.019	2
52	MP3A	X	-37.158	4
53	MP3A	Z	21.453	4
54	MP3A	Mx	.019	4
55	MP3B	X	-37.158	2
56	MP3B	Z	21.453	2
57	MP3B	Mx	.019	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3B	X	-37.158	4
59	MP3B	Z	21.453	4
60	MP3B	Mx	.019	4
61	MP3C	X	-37.158	2
62	MP3C	Z	21.453	2
63	MP3C	Mx	.019	2
64	MP3C	X	-37.158	4
65	MP3C	Z	21.453	4
66	MP3C	Mx	.019	4
67	MP1A	X	-93.452	.25
68	MP1A	Z	53.954	.25
69	MP1A	Mx	.101	.25
70	MP1A	X	-93.452	5.75
71	MP1A	Z	53.954	5.75
72	MP1A	Mx	.101	5.75
73	MP1B	X	-103.835	.25
74	MP1B	Z	59.949	.25
75	MP1B	Mx	-.1	.25
76	MP1B	X	-103.835	5.75
77	MP1B	Z	59.949	5.75
78	MP1B	Mx	-.1	5.75
79	MP1C	X	-139.255	.25
80	MP1C	Z	80.399	.25
81	MP1C	Mx	-.03	.25
82	MP1C	X	-139.255	5.75
83	MP1C	Z	80.399	5.75
84	MP1C	Mx	-.03	5.75
85	MP2A	X	-10.611	1.27
86	MP2A	Z	6.126	1.27
87	MP2A	Mx	-.004	1.27
88	MP2B	X	-10.611	1.27
89	MP2B	Z	6.126	1.27
90	MP2B	Mx	-.004	1.27
91	MP2C	X	-10.611	1.27
92	MP2C	Z	6.126	1.27
93	MP2C	Mx	-.004	1.27
94	MP2A	X	-43.546	2.35
95	MP2A	Z	25.141	2.35
96	MP2A	Mx	-.027	2.35
97	MP2B	X	-46.649	2.35
98	MP2B	Z	26.933	2.35
99	MP2B	Mx	.026	2.35
100	MP2C	X	-57.239	2.35
101	MP2C	Z	33.047	2.35
102	MP2C	Mx	.007	2.35
103	MP3A	X	-38.231	2.35
104	MP3A	Z	22.072	2.35
105	MP3A	Mx	-.024	2.35
106	MP3B	X	-42.491	2.35
107	MP3B	Z	24.532	2.35
108	MP3B	Mx	.023	2.35
109	MP3C	X	-57.025	2.35
110	MP3C	Z	32.923	2.35
111	MP3C	Mx	.007	2.35

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-20.734	5
2	MP2A	Z	0	5
3	MP2A	Mx	-.021	5
4	MP2A	X	-20.734	6
5	MP2A	Z	0	6
6	MP2A	Mx	-.021	6
7	MP2A	X	-20.734	5
8	MP2A	Z	0	5
9	MP2A	Mx	-.021	5
10	MP2A	X	-20.734	6
11	MP2A	Z	0	6
12	MP2A	Mx	-.021	6
13	MP2A	X	-128.846	1.15
14	MP2A	Z	0	1.15
15	MP2A	Mx	.097	1.15
16	MP2A	X	-128.846	4.85
17	MP2A	Z	0	4.85
18	MP2A	Mx	.097	4.85
19	MP2B	X	-188.299	1.15
20	MP2B	Z	0	1.15
21	MP2B	Mx	.084	1.15
22	MP2B	X	-188.299	4.85
23	MP2B	Z	0	4.85
24	MP2B	Mx	.084	4.85
25	MP2C	X	-168.356	1.15
26	MP2C	Z	0	1.15
27	MP2C	Mx	-.178	1.15
28	MP2C	X	-168.356	4.85
29	MP2C	Z	0	4.85
30	MP2C	Mx	-.178	4.85
31	MP2A	X	-128.846	1.15
32	MP2A	Z	0	1.15
33	MP2A	Mx	.097	1.15
34	MP2A	X	-128.846	4.85
35	MP2A	Z	0	4.85
36	MP2A	Mx	.097	4.85
37	MP2B	X	-188.299	1.15
38	MP2B	Z	0	1.15
39	MP2B	Mx	-.181	1.15
40	MP2B	X	-188.299	4.85
41	MP2B	Z	0	4.85
42	MP2B	Mx	-.181	4.85
43	MP2C	X	-168.356	1.15
44	MP2C	Z	0	1.15
45	MP2C	Mx	.016	1.15
46	MP2C	X	-168.356	4.85
47	MP2C	Z	0	4.85
48	MP2C	Mx	.016	4.85
49	MP3A	X	-29.071	2
50	MP3A	Z	0	2
51	MP3A	Mx	.015	2
52	MP3A	X	-29.071	4
53	MP3A	Z	0	4
54	MP3A	Mx	.015	4
55	MP3B	X	-29.071	2
56	MP3B	Z	0	2
57	MP3B	Mx	.015	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3B	X	-29.071	4
59	MP3B	Z	0	4
60	MP3B	Mx	.015	4
61	MP3C	X	-29.071	2
62	MP3C	Z	0	2
63	MP3C	Mx	.015	2
64	MP3C	X	-29.071	4
65	MP3C	Z	0	4
66	MP3C	Mx	.015	4
67	MP1A	X	-89.541	.25
68	MP1A	Z	0	.25
69	MP1A	Mx	.097	.25
70	MP1A	X	-89.541	5.75
71	MP1A	Z	0	5.75
72	MP1A	Mx	.097	5.75
73	MP1B	X	-154.418	.25
74	MP1B	Z	0	.25
75	MP1B	Mx	-.057	.25
76	MP1B	X	-154.418	5.75
77	MP1B	Z	0	5.75
78	MP1B	Mx	-.057	5.75
79	MP1C	X	-132.656	.25
80	MP1C	Z	0	.25
81	MP1C	Mx	-.092	.25
82	MP1C	X	-132.656	5.75
83	MP1C	Z	0	5.75
84	MP1C	Mx	-.092	5.75
85	MP2A	X	-11.025	1.27
86	MP2A	Z	0	1.27
87	MP2A	Mx	-.005	1.27
88	MP2B	X	-11.025	1.27
89	MP2B	Z	0	1.27
90	MP2B	Mx	-.005	1.27
91	MP2C	X	-11.025	1.27
92	MP2C	Z	0	1.27
93	MP2C	Mx	-.005	1.27
94	MP2A	X	-44.791	2.35
95	MP2A	Z	0	2.35
96	MP2A	Mx	-.028	2.35
97	MP2B	X	-64.186	2.35
98	MP2B	Z	0	2.35
99	MP2B	Mx	.014	2.35
100	MP2C	X	-57.68	2.35
101	MP2C	Z	0	2.35
102	MP2C	Mx	.023	2.35
103	MP3A	X	-36.608	2.35
104	MP3A	Z	0	2.35
105	MP3A	Mx	-.023	2.35
106	MP3B	X	-63.229	2.35
107	MP3B	Z	0	2.35
108	MP3B	Mx	.014	2.35
109	MP3C	X	-54.299	2.35
110	MP3C	Z	0	2.35
111	MP3C	Mx	.022	2.35

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-17.943	5
2	MP2A	Z	-10.359	5
3	MP2A	Mx	-.014	5
4	MP2A	X	-17.943	6
5	MP2A	Z	-10.359	6
6	MP2A	Mx	-.014	6
7	MP2A	X	-17.943	5
8	MP2A	Z	-10.359	5
9	MP2A	Mx	-.021	5
10	MP2A	X	-17.943	6
11	MP2A	Z	-10.359	6
12	MP2A	Mx	-.021	6
13	MP2A	X	-126.161	1.15
14	MP2A	Z	-72.839	1.15
15	MP2A	Mx	.04	1.15
16	MP2A	X	-126.161	4.85
17	MP2A	Z	-72.839	4.85
18	MP2A	Mx	.04	4.85
19	MP2B	X	-168.135	1.15
20	MP2B	Z	-97.073	1.15
21	MP2B	Mx	.169	1.15
22	MP2B	X	-168.135	4.85
23	MP2B	Z	-97.073	4.85
24	MP2B	Mx	.169	4.85
25	MP2C	X	-118.404	1.15
26	MP2C	Z	-68.361	1.15
27	MP2C	Mx	-.131	1.15
28	MP2C	X	-118.404	4.85
29	MP2C	Z	-68.361	4.85
30	MP2C	Mx	-.131	4.85
31	MP2A	X	-126.161	1.15
32	MP2A	Z	-72.839	1.15
33	MP2A	Mx	.149	1.15
34	MP2A	X	-126.161	4.85
35	MP2A	Z	-72.839	4.85
36	MP2A	Mx	.149	4.85
37	MP2B	X	-168.135	1.15
38	MP2B	Z	-97.073	1.15
39	MP2B	Mx	-.118	1.15
40	MP2B	X	-168.135	4.85
41	MP2B	Z	-97.073	4.85
42	MP2B	Mx	-.118	4.85
43	MP2C	X	-118.404	1.15
44	MP2C	Z	-68.361	1.15
45	MP2C	Mx	-.061	1.15
46	MP2C	X	-118.404	4.85
47	MP2C	Z	-68.361	4.85
48	MP2C	Mx	-.061	4.85
49	MP3A	X	-37.158	2
50	MP3A	Z	-21.453	2
51	MP3A	Mx	.019	2
52	MP3A	X	-37.158	4
53	MP3A	Z	-21.453	4
54	MP3A	Mx	.019	4
55	MP3B	X	-37.158	2
56	MP3B	Z	-21.453	2
57	MP3B	Mx	.019	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3B	X	-37.158	4
59	MP3B	Z	-21.453	4
60	MP3B	Mx	.019	4
61	MP3C	X	-37.158	2
62	MP3C	Z	-21.453	2
63	MP3C	Mx	.019	2
64	MP3C	X	-37.158	4
65	MP3C	Z	-21.453	4
66	MP3C	Mx	.019	4
67	MP1A	X	-93.452	.25
68	MP1A	Z	-53.954	.25
69	MP1A	Mx	.101	.25
70	MP1A	X	-93.452	5.75
71	MP1A	Z	-53.954	5.75
72	MP1A	Mx	.101	5.75
73	MP1B	X	-139.255	.25
74	MP1B	Z	-80.399	.25
75	MP1B	Mx	.03	.25
76	MP1B	X	-139.255	5.75
77	MP1B	Z	-80.399	5.75
78	MP1B	Mx	.03	5.75
79	MP1C	X	-84.988	.25
80	MP1C	Z	-49.068	.25
81	MP1C	Mx	-.1	.25
82	MP1C	X	-84.988	5.75
83	MP1C	Z	-49.068	5.75
84	MP1C	Mx	-.1	5.75
85	MP2A	X	-10.611	1.27
86	MP2A	Z	-6.126	1.27
87	MP2A	Mx	-.004	1.27
88	MP2B	X	-10.611	1.27
89	MP2B	Z	-6.126	1.27
90	MP2B	Mx	-.004	1.27
91	MP2C	X	-10.611	1.27
92	MP2C	Z	-6.126	1.27
93	MP2C	Mx	-.004	1.27
94	MP2A	X	-43.546	2.35
95	MP2A	Z	-25.141	2.35
96	MP2A	Mx	-.027	2.35
97	MP2B	X	-57.239	2.35
98	MP2B	Z	-33.047	2.35
99	MP2B	Mx	-.007	2.35
100	MP2C	X	-41.015	2.35
101	MP2C	Z	-23.68	2.35
102	MP2C	Mx	.028	2.35
103	MP3A	X	-38.231	2.35
104	MP3A	Z	-22.072	2.35
105	MP3A	Mx	-.024	2.35
106	MP3B	X	-57.025	2.35
107	MP3B	Z	-32.923	2.35
108	MP3B	Mx	-.007	2.35
109	MP3C	X	-34.758	2.35
110	MP3C	Z	-20.067	2.35
111	MP3C	Mx	.024	2.35

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-10.344	5
2	MP2A	Z	-17.916	5
3	MP2A	Mx	-.004	5
4	MP2A	X	-10.344	6
5	MP2A	Z	-17.916	6
6	MP2A	Mx	-.004	6
7	MP2A	X	-10.344	5
8	MP2A	Z	-17.916	5
9	MP2A	Mx	-.016	5
10	MP2A	X	-10.344	6
11	MP2A	Z	-17.916	6
12	MP2A	Mx	-.016	6
13	MP2A	X	-89.672	1.15
14	MP2A	Z	-155.316	1.15
15	MP2A	Mx	-.049	1.15
16	MP2A	X	-89.672	4.85
17	MP2A	Z	-155.316	4.85
18	MP2A	Mx	-.049	4.85
19	MP2B	X	-84.178	1.15
20	MP2B	Z	-145.801	1.15
21	MP2B	Mx	.178	1.15
22	MP2B	X	-84.178	4.85
23	MP2B	Z	-145.801	4.85
24	MP2B	Mx	.178	4.85
25	MP2C	X	-65.438	1.15
26	MP2C	Z	-113.342	1.15
27	MP2C	Mx	-.08	1.15
28	MP2C	X	-65.438	4.85
29	MP2C	Z	-113.342	4.85
30	MP2C	Mx	-.08	4.85
31	MP2A	X	-89.672	1.15
32	MP2A	Z	-155.316	1.15
33	MP2A	Mx	.184	1.15
34	MP2A	X	-89.672	4.85
35	MP2A	Z	-155.316	4.85
36	MP2A	Mx	.184	4.85
37	MP2B	X	-84.178	1.15
38	MP2B	Z	-145.801	1.15
39	MP2B	Mx	-.016	1.15
40	MP2B	X	-84.178	4.85
41	MP2B	Z	-145.801	4.85
42	MP2B	Mx	-.016	4.85
43	MP2C	X	-65.438	1.15
44	MP2C	Z	-113.342	1.15
45	MP2C	Mx	-.114	1.15
46	MP2C	X	-65.438	4.85
47	MP2C	Z	-113.342	4.85
48	MP2C	Mx	-.114	4.85
49	MP3A	X	-35.289	2
50	MP3A	Z	-61.122	2
51	MP3A	Mx	.018	2
52	MP3A	X	-35.289	4
53	MP3A	Z	-61.122	4
54	MP3A	Mx	.018	4
55	MP3B	X	-35.289	2
56	MP3B	Z	-61.122	2
57	MP3B	Mx	.018	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3B	X	-35.289	4
59	MP3B	Z	-61.122	4
60	MP3B	Mx	.018	4
61	MP3C	X	-35.289	2
62	MP3C	Z	-61.122	2
63	MP3C	Mx	.018	2
64	MP3C	X	-35.289	4
65	MP3C	Z	-61.122	4
66	MP3C	Mx	.018	4
67	MP1A	X	-72.322	.25
68	MP1A	Z	-125.266	.25
69	MP1A	Mx	.078	.25
70	MP1A	X	-72.322	5.75
71	MP1A	Z	-125.266	5.75
72	MP1A	Mx	.078	5.75
73	MP1B	X	-66.328	.25
74	MP1B	Z	-114.884	.25
75	MP1B	Mx	.092	.25
76	MP1B	X	-66.328	5.75
77	MP1B	Z	-114.884	5.75
78	MP1B	Mx	.092	5.75
79	MP1C	X	-45.878	.25
80	MP1C	Z	-79.463	.25
81	MP1C	Mx	-.098	.25
82	MP1C	X	-45.878	5.75
83	MP1C	Z	-79.463	5.75
84	MP1C	Mx	-.098	5.75
85	MP2A	X	-7.354	1.27
86	MP2A	Z	-12.737	1.27
87	MP2A	Mx	-.003	1.27
88	MP2B	X	-7.354	1.27
89	MP2B	Z	-12.737	1.27
90	MP2B	Mx	-.003	1.27
91	MP2C	X	-7.354	1.27
92	MP2C	Z	-12.737	1.27
93	MP2C	Mx	-.003	1.27
94	MP2A	X	-30.632	2.35
95	MP2A	Z	-53.057	2.35
96	MP2A	Mx	-.019	2.35
97	MP2B	X	-28.84	2.35
98	MP2B	Z	-49.953	2.35
99	MP2B	Mx	-.023	2.35
100	MP2C	X	-22.727	2.35
101	MP2C	Z	-39.364	2.35
102	MP2C	Mx	.028	2.35
103	MP3A	X	-29.609	2.35
104	MP3A	Z	-51.285	2.35
105	MP3A	Mx	-.019	2.35
106	MP3B	X	-27.15	2.35
107	MP3B	Z	-47.025	2.35
108	MP3B	Mx	-.022	2.35
109	MP3C	X	-18.759	2.35
110	MP3C	Z	-32.491	2.35
111	MP3C	Mx	.023	2.35

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	5
2	MP2A	Z	-1.573	5
3	MP2A	Mx	.000524	5
4	MP2A	X	0	6
5	MP2A	Z	-1.573	6
6	MP2A	Mx	.000524	6
7	MP2A	X	0	5
8	MP2A	Z	-1.573	5
9	MP2A	Mx	-.000524	5
10	MP2A	X	0	6
11	MP2A	Z	-1.573	6
12	MP2A	Mx	-.000524	6
13	MP2A	X	0	1.15
14	MP2A	Z	-34.292	1.15
15	MP2A	Mx	-.026	1.15
16	MP2A	X	0	4.85
17	MP2A	Z	-34.292	4.85
18	MP2A	Mx	-.026	4.85
19	MP2B	X	0	1.15
20	MP2B	Z	-24.642	1.15
21	MP2B	Mx	.024	1.15
22	MP2B	X	0	4.85
23	MP2B	Z	-24.642	4.85
24	MP2B	Mx	.024	4.85
25	MP2C	X	0	1.15
26	MP2C	Z	-27.879	1.15
27	MP2C	Mx	-.003	1.15
28	MP2C	X	0	4.85
29	MP2C	Z	-27.879	4.85
30	MP2C	Mx	-.003	4.85
31	MP2A	X	0	1.15
32	MP2A	Z	-34.292	1.15
33	MP2A	Mx	.026	1.15
34	MP2A	X	0	4.85
35	MP2A	Z	-34.292	4.85
36	MP2A	Mx	.026	4.85
37	MP2B	X	0	1.15
38	MP2B	Z	-24.642	1.15
39	MP2B	Mx	.011	1.15
40	MP2B	X	0	4.85
41	MP2B	Z	-24.642	4.85
42	MP2B	Mx	.011	4.85
43	MP2C	X	0	1.15
44	MP2C	Z	-27.879	1.15
45	MP2C	Mx	-.029	1.15
46	MP2C	X	0	4.85
47	MP2C	Z	-27.879	4.85
48	MP2C	Mx	-.029	4.85
49	MP3A	X	0	2
50	MP3A	Z	-18.222	2
51	MP3A	Mx	0	2
52	MP3A	X	0	4
53	MP3A	Z	-18.222	4
54	MP3A	Mx	0	4
55	MP3B	X	0	2
56	MP3B	Z	-18.222	2
57	MP3B	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3B	X	0	4
59	MP3B	Z	-18.222	4
60	MP3B	Mx	0	4
61	MP3C	X	0	2
62	MP3C	Z	-18.222	2
63	MP3C	Mx	0	2
64	MP3C	X	0	4
65	MP3C	Z	-18.222	4
66	MP3C	Mx	0	4
67	MP1A	X	0	.25
68	MP1A	Z	-28.78	.25
69	MP1A	Mx	0	.25
70	MP1A	X	0	5.75
71	MP1A	Z	-28.78	5.75
72	MP1A	Mx	0	5.75
73	MP1B	X	0	.25
74	MP1B	Z	-18.222	.25
75	MP1B	Mx	.019	.25
76	MP1B	X	0	5.75
77	MP1B	Z	-18.222	5.75
78	MP1B	Mx	.019	5.75
79	MP1C	X	0	.25
80	MP1C	Z	-21.763	.25
81	MP1C	Mx	-.018	.25
82	MP1C	X	0	5.75
83	MP1C	Z	-21.763	5.75
84	MP1C	Mx	-.018	5.75
85	MP2A	X	0	1.27
86	MP2A	Z	-3.697	1.27
87	MP2A	Mx	0	1.27
88	MP2B	X	0	1.27
89	MP2B	Z	-3.697	1.27
90	MP2B	Mx	0	1.27
91	MP2C	X	0	1.27
92	MP2C	Z	-3.697	1.27
93	MP2C	Mx	0	1.27
94	MP2A	X	0	2.35
95	MP2A	Z	-15.33	2.35
96	MP2A	Mx	0	2.35
97	MP2B	X	0	2.35
98	MP2B	Z	-11.197	2.35
99	MP2B	Mx	-.007	2.35
100	MP2C	X	0	2.35
101	MP2C	Z	-12.583	2.35
102	MP2C	Mx	.006	2.35
103	MP3A	X	0	2.35
104	MP3A	Z	-15.33	2.35
105	MP3A	Mx	0	2.35
106	MP3B	X	0	2.35
107	MP3B	Z	-9.626	2.35
108	MP3B	Mx	-.006	2.35
109	MP3C	X	0	2.35
110	MP3C	Z	-11.539	2.35
111	MP3C	Mx	.006	2.35

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	1.115	5
2	MP2A	Z	-1.932	5
3	MP2A	Mx	.002	5
4	MP2A	X	1.115	6
5	MP2A	Z	-1.932	6
6	MP2A	Mx	.002	6
7	MP2A	X	1.115	5
8	MP2A	Z	-1.932	5
9	MP2A	Mx	.000471	5
10	MP2A	X	1.115	6
11	MP2A	Z	-1.932	6
12	MP2A	Mx	.000471	6
13	MP2A	X	15.78	1.15
14	MP2A	Z	-27.332	1.15
15	MP2A	Mx	-.032	1.15
16	MP2A	X	15.78	4.85
17	MP2A	Z	-27.332	4.85
18	MP2A	Mx	-.032	4.85
19	MP2B	X	11.847	1.15
20	MP2B	Z	-20.519	1.15
21	MP2B	Mx	.014	1.15
22	MP2B	X	11.847	4.85
23	MP2B	Z	-20.519	4.85
24	MP2B	Mx	.014	4.85
25	MP2C	X	16.507	1.15
26	MP2C	Z	-28.591	1.15
27	MP2C	Mx	.015	1.15
28	MP2C	X	16.507	4.85
29	MP2C	Z	-28.591	4.85
30	MP2C	Mx	.015	4.85
31	MP2A	X	15.78	1.15
32	MP2A	Z	-27.332	1.15
33	MP2A	Mx	.009	1.15
34	MP2A	X	15.78	4.85
35	MP2A	Z	-27.332	4.85
36	MP2A	Mx	.009	4.85
37	MP2B	X	11.847	1.15
38	MP2B	Z	-20.519	1.15
39	MP2B	Mx	.021	1.15
40	MP2B	X	11.847	4.85
41	MP2B	Z	-20.519	4.85
42	MP2B	Mx	.021	4.85
43	MP2C	X	16.507	1.15
44	MP2C	Z	-28.591	1.15
45	MP2C	Mx	-.032	1.15
46	MP2C	X	16.507	4.85
47	MP2C	Z	-28.591	4.85
48	MP2C	Mx	-.032	4.85
49	MP3A	X	7.801	2
50	MP3A	Z	-13.512	2
51	MP3A	Mx	-.004	2
52	MP3A	X	7.801	4
53	MP3A	Z	-13.512	4
54	MP3A	Mx	-.004	4
55	MP3B	X	7.801	2
56	MP3B	Z	-13.512	2
57	MP3B	Mx	-.004	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3B	X	7.801	4
59	MP3B	Z	-13.512	4
60	MP3B	Mx	-.004	4
61	MP3C	X	7.801	2
62	MP3C	Z	-13.512	2
63	MP3C	Mx	-.004	2
64	MP3C	X	7.801	4
65	MP3C	Z	-13.512	4
66	MP3C	Mx	-.004	4
67	MP1A	X	12.895	.25
68	MP1A	Z	-22.335	.25
69	MP1A	Mx	-.014	.25
70	MP1A	X	12.895	5.75
71	MP1A	Z	-22.335	5.75
72	MP1A	Mx	-.014	5.75
73	MP1B	X	8.592	.25
74	MP1B	Z	-14.882	.25
75	MP1B	Mx	.018	.25
76	MP1B	X	8.592	5.75
77	MP1B	Z	-14.882	5.75
78	MP1B	Mx	.018	5.75
79	MP1C	X	13.691	.25
80	MP1C	Z	-23.713	.25
81	MP1C	Mx	-.01	.25
82	MP1C	X	13.691	5.75
83	MP1C	Z	-23.713	5.75
84	MP1C	Mx	-.01	5.75
85	MP2A	X	1.732	1.27
86	MP2A	Z	-3	1.27
87	MP2A	Mx	.000722	1.27
88	MP2B	X	1.732	1.27
89	MP2B	Z	-3	1.27
90	MP2B	Mx	.000722	1.27
91	MP2C	X	1.732	1.27
92	MP2C	Z	-3	1.27
93	MP2C	Mx	.000722	1.27
94	MP2A	X	7.08	2.35
95	MP2A	Z	-12.263	2.35
96	MP2A	Mx	.004	2.35
97	MP2B	X	5.395	2.35
98	MP2B	Z	-9.345	2.35
99	MP2B	Mx	-.007	2.35
100	MP2C	X	7.391	2.35
101	MP2C	Z	-12.802	2.35
102	MP2C	Mx	.003	2.35
103	MP3A	X	6.857	2.35
104	MP3A	Z	-11.877	2.35
105	MP3A	Mx	.004	2.35
106	MP3B	X	4.533	2.35
107	MP3B	Z	-7.851	2.35
108	MP3B	Mx	-.006	2.35
109	MP3C	X	7.287	2.35
110	MP3C	Z	-12.622	2.35
111	MP3C	Mx	.003	2.35

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	3.071	5
2	MP2A	Z	-1.773	5
3	MP2A	Mx	.004	5
4	MP2A	X	3.071	6
5	MP2A	Z	-1.773	6
6	MP2A	Mx	.004	6
7	MP2A	X	3.071	5
8	MP2A	Z	-1.773	5
9	MP2A	Mx	.002	5
10	MP2A	X	3.071	6
11	MP2A	Z	-1.773	6
12	MP2A	Mx	.002	6
13	MP2A	X	22.6	1.15
14	MP2A	Z	-13.048	1.15
15	MP2A	Mx	-.027	1.15
16	MP2A	X	22.6	4.85
17	MP2A	Z	-13.048	4.85
18	MP2A	Mx	-.027	4.85
19	MP2B	X	24.144	1.15
20	MP2B	Z	-13.94	1.15
21	MP2B	Mx	.003	1.15
22	MP2B	X	24.144	4.85
23	MP2B	Z	-13.94	4.85
24	MP2B	Mx	.003	4.85
25	MP2C	X	29.412	1.15
26	MP2C	Z	-16.981	1.15
27	MP2C	Mx	.03	1.15
28	MP2C	X	29.412	4.85
29	MP2C	Z	-16.981	4.85
30	MP2C	Mx	.03	4.85
31	MP2A	X	22.6	1.15
32	MP2A	Z	-13.048	1.15
33	MP2A	Mx	-.007	1.15
34	MP2A	X	22.6	4.85
35	MP2A	Z	-13.048	4.85
36	MP2A	Mx	-.007	4.85
37	MP2B	X	24.144	1.15
38	MP2B	Z	-13.94	1.15
39	MP2B	Mx	.029	1.15
40	MP2B	X	24.144	4.85
41	MP2B	Z	-13.94	4.85
42	MP2B	Mx	.029	4.85
43	MP2C	X	29.412	1.15
44	MP2C	Z	-16.981	1.15
45	MP2C	Mx	-.021	1.15
46	MP2C	X	29.412	4.85
47	MP2C	Z	-16.981	4.85
48	MP2C	Mx	-.021	4.85
49	MP3A	X	8.973	2
50	MP3A	Z	-5.18	2
51	MP3A	Mx	-.004	2
52	MP3A	X	8.973	4
53	MP3A	Z	-5.18	4
54	MP3A	Mx	-.004	4
55	MP3B	X	8.973	2
56	MP3B	Z	-5.18	2
57	MP3B	Mx	-.004	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3B	X	8.973	4
59	MP3B	Z	-5.18	4
60	MP3B	Mx	-.004	4
61	MP3C	X	8.973	2
62	MP3C	Z	-5.18	2
63	MP3C	Mx	-.004	2
64	MP3C	X	8.973	4
65	MP3C	Z	-5.18	4
66	MP3C	Mx	-.004	4
67	MP1A	X	17.158	.25
68	MP1A	Z	-9.906	.25
69	MP1A	Mx	-.019	.25
70	MP1A	X	17.158	5.75
71	MP1A	Z	-9.906	5.75
72	MP1A	Mx	-.019	5.75
73	MP1B	X	18.848	.25
74	MP1B	Z	-10.882	.25
75	MP1B	Mx	.018	.25
76	MP1B	X	18.848	5.75
77	MP1B	Z	-10.882	5.75
78	MP1B	Mx	.018	5.75
79	MP1C	X	24.612	.25
80	MP1C	Z	-14.21	.25
81	MP1C	Mx	.005	.25
82	MP1C	X	24.612	5.75
83	MP1C	Z	-14.21	5.75
84	MP1C	Mx	.005	5.75
85	MP2A	X	2.598	1.27
86	MP2A	Z	-1.5	1.27
87	MP2A	Mx	.001	1.27
88	MP2B	X	2.598	1.27
89	MP2B	Z	-1.5	1.27
90	MP2B	Mx	.001	1.27
91	MP2C	X	2.598	1.27
92	MP2C	Z	-1.5	1.27
93	MP2C	Mx	.001	1.27
94	MP2A	X	10.236	2.35
95	MP2A	Z	-5.91	2.35
96	MP2A	Mx	.006	2.35
97	MP2B	X	10.897	2.35
98	MP2B	Z	-6.292	2.35
99	MP2B	Mx	-.006	2.35
100	MP2C	X	13.154	2.35
101	MP2C	Z	-7.594	2.35
102	MP2C	Mx	-.002	2.35
103	MP3A	X	9.081	2.35
104	MP3A	Z	-5.243	2.35
105	MP3A	Mx	.006	2.35
106	MP3B	X	9.993	2.35
107	MP3B	Z	-5.77	2.35
108	MP3B	Mx	-.006	2.35
109	MP3C	X	13.107	2.35
110	MP3C	Z	-7.567	2.35
111	MP3C	Mx	-.002	2.35

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	4.204	5
2	MP2A	Z	0	5
3	MP2A	Mx	.004	5
4	MP2A	X	4.204	6
5	MP2A	Z	0	6
6	MP2A	Mx	.004	6
7	MP2A	X	4.204	5
8	MP2A	Z	0	5
9	MP2A	Mx	.004	5
10	MP2A	X	4.204	6
11	MP2A	Z	0	6
12	MP2A	Mx	.004	6
13	MP2A	X	23.364	1.15
14	MP2A	Z	0	1.15
15	MP2A	Mx	-.018	1.15
16	MP2A	X	23.364	4.85
17	MP2A	Z	0	4.85
18	MP2A	Mx	-.018	4.85
19	MP2B	X	33.014	1.15
20	MP2B	Z	0	1.15
21	MP2B	Mx	-.015	1.15
22	MP2B	X	33.014	4.85
23	MP2B	Z	0	4.85
24	MP2B	Mx	-.015	4.85
25	MP2C	X	29.777	1.15
26	MP2C	Z	0	1.15
27	MP2C	Mx	.031	1.15
28	MP2C	X	29.777	4.85
29	MP2C	Z	0	4.85
30	MP2C	Mx	.031	4.85
31	MP2A	X	23.364	1.15
32	MP2A	Z	0	1.15
33	MP2A	Mx	-.018	1.15
34	MP2A	X	23.364	4.85
35	MP2A	Z	0	4.85
36	MP2A	Mx	-.018	4.85
37	MP2B	X	33.014	1.15
38	MP2B	Z	0	1.15
39	MP2B	Mx	.032	1.15
40	MP2B	X	33.014	4.85
41	MP2B	Z	0	4.85
42	MP2B	Mx	.032	4.85
43	MP2C	X	29.777	1.15
44	MP2C	Z	0	1.15
45	MP2C	Mx	-.003	1.15
46	MP2C	X	29.777	4.85
47	MP2C	Z	0	4.85
48	MP2C	Mx	-.003	4.85
49	MP3A	X	7.74	2
50	MP3A	Z	0	2
51	MP3A	Mx	-.004	2
52	MP3A	X	7.74	4
53	MP3A	Z	0	4
54	MP3A	Mx	-.004	4
55	MP3B	X	7.74	2
56	MP3B	Z	0	2
57	MP3B	Mx	-.004	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3B	X	7.74	4
59	MP3B	Z	0	4
60	MP3B	Mx	-.004	4
61	MP3C	X	7.74	2
62	MP3C	Z	0	2
63	MP3C	Mx	-.004	2
64	MP3C	X	7.74	4
65	MP3C	Z	0	4
66	MP3C	Mx	-.004	4
67	MP1A	X	16.823	.25
68	MP1A	Z	0	.25
69	MP1A	Mx	-.018	.25
70	MP1A	X	16.823	5.75
71	MP1A	Z	0	5.75
72	MP1A	Mx	-.018	5.75
73	MP1B	X	27.381	.25
74	MP1B	Z	0	.25
75	MP1B	Mx	.01	.25
76	MP1B	X	27.381	5.75
77	MP1B	Z	0	5.75
78	MP1B	Mx	.01	5.75
79	MP1C	X	23.84	.25
80	MP1C	Z	0	.25
81	MP1C	Mx	.017	.25
82	MP1C	X	23.84	5.75
83	MP1C	Z	0	5.75
84	MP1C	Mx	.017	5.75
85	MP2A	X	2.768	1.27
86	MP2A	Z	0	1.27
87	MP2A	Mx	.001	1.27
88	MP2B	X	2.768	1.27
89	MP2B	Z	0	1.27
90	MP2B	Mx	.001	1.27
91	MP2C	X	2.768	1.27
92	MP2C	Z	0	1.27
93	MP2C	Mx	.001	1.27
94	MP2A	X	10.649	2.35
95	MP2A	Z	0	2.35
96	MP2A	Mx	.007	2.35
97	MP2B	X	14.782	2.35
98	MP2B	Z	0	2.35
99	MP2B	Mx	-.003	2.35
100	MP2C	X	13.396	2.35
101	MP2C	Z	0	2.35
102	MP2C	Mx	-.005	2.35
103	MP3A	X	8.871	2.35
104	MP3A	Z	0	2.35
105	MP3A	Mx	.006	2.35
106	MP3B	X	14.574	2.35
107	MP3B	Z	0	2.35
108	MP3B	Mx	-.003	2.35
109	MP3C	X	12.661	2.35
110	MP3C	Z	0	2.35
111	MP3C	Mx	-.005	2.35

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	3.071	5
2	MP2A	Z	1.773	5
3	MP2A	Mx	.002	5
4	MP2A	X	3.071	6
5	MP2A	Z	1.773	6
6	MP2A	Mx	.002	6
7	MP2A	X	3.071	5
8	MP2A	Z	1.773	5
9	MP2A	Mx	.004	5
10	MP2A	X	3.071	6
11	MP2A	Z	1.773	6
12	MP2A	Mx	.004	6
13	MP2A	X	22.6	1.15
14	MP2A	Z	13.048	1.15
15	MP2A	Mx	-.007	1.15
16	MP2A	X	22.6	4.85
17	MP2A	Z	13.048	4.85
18	MP2A	Mx	-.007	4.85
19	MP2B	X	29.412	1.15
20	MP2B	Z	16.981	1.15
21	MP2B	Mx	-.03	1.15
22	MP2B	X	29.412	4.85
23	MP2B	Z	16.981	4.85
24	MP2B	Mx	-.03	4.85
25	MP2C	X	21.341	1.15
26	MP2C	Z	12.321	1.15
27	MP2C	Mx	.024	1.15
28	MP2C	X	21.341	4.85
29	MP2C	Z	12.321	4.85
30	MP2C	Mx	.024	4.85
31	MP2A	X	22.6	1.15
32	MP2A	Z	13.048	1.15
33	MP2A	Mx	-.027	1.15
34	MP2A	X	22.6	4.85
35	MP2A	Z	13.048	4.85
36	MP2A	Mx	-.027	4.85
37	MP2B	X	29.412	1.15
38	MP2B	Z	16.981	1.15
39	MP2B	Mx	.021	1.15
40	MP2B	X	29.412	4.85
41	MP2B	Z	16.981	4.85
42	MP2B	Mx	.021	4.85
43	MP2C	X	21.341	1.15
44	MP2C	Z	12.321	1.15
45	MP2C	Mx	.011	1.15
46	MP2C	X	21.341	4.85
47	MP2C	Z	12.321	4.85
48	MP2C	Mx	.011	4.85
49	MP3A	X	8.973	2
50	MP3A	Z	5.18	2
51	MP3A	Mx	-.004	2
52	MP3A	X	8.973	4
53	MP3A	Z	5.18	4
54	MP3A	Mx	-.004	4
55	MP3B	X	8.973	2
56	MP3B	Z	5.18	2
57	MP3B	Mx	-.004	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3B	X	8.973	4
59	MP3B	Z	5.18	4
60	MP3B	Mx	-.004	4
61	MP3C	X	8.973	2
62	MP3C	Z	5.18	2
63	MP3C	Mx	-.004	2
64	MP3C	X	8.973	4
65	MP3C	Z	5.18	4
66	MP3C	Mx	-.004	4
67	MP1A	X	17.158	.25
68	MP1A	Z	9.906	.25
69	MP1A	Mx	-.019	.25
70	MP1A	X	17.158	5.75
71	MP1A	Z	9.906	5.75
72	MP1A	Mx	-.019	5.75
73	MP1B	X	24.612	.25
74	MP1B	Z	14.21	.25
75	MP1B	Mx	-.005	.25
76	MP1B	X	24.612	5.75
77	MP1B	Z	14.21	5.75
78	MP1B	Mx	-.005	5.75
79	MP1C	X	15.781	.25
80	MP1C	Z	9.111	.25
81	MP1C	Mx	.019	.25
82	MP1C	X	15.781	5.75
83	MP1C	Z	9.111	5.75
84	MP1C	Mx	.019	5.75
85	MP2A	X	2.598	1.27
86	MP2A	Z	1.5	1.27
87	MP2A	Mx	.001	1.27
88	MP2B	X	2.598	1.27
89	MP2B	Z	1.5	1.27
90	MP2B	Mx	.001	1.27
91	MP2C	X	2.598	1.27
92	MP2C	Z	1.5	1.27
93	MP2C	Mx	.001	1.27
94	MP2A	X	10.236	2.35
95	MP2A	Z	5.91	2.35
96	MP2A	Mx	.006	2.35
97	MP2B	X	13.154	2.35
98	MP2B	Z	7.594	2.35
99	MP2B	Mx	.002	2.35
100	MP2C	X	9.697	2.35
101	MP2C	Z	5.598	2.35
102	MP2C	Mx	-.007	2.35
103	MP3A	X	9.081	2.35
104	MP3A	Z	5.243	2.35
105	MP3A	Mx	.006	2.35
106	MP3B	X	13.107	2.35
107	MP3B	Z	7.567	2.35
108	MP3B	Mx	.002	2.35
109	MP3C	X	8.336	2.35
110	MP3C	Z	4.813	2.35
111	MP3C	Mx	-.006	2.35

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	1.115	5
2	MP2A	Z	1.932	5
3	MP2A	Mx	.000471	5
4	MP2A	X	1.115	6
5	MP2A	Z	1.932	6
6	MP2A	Mx	.000471	6
7	MP2A	X	1.115	5
8	MP2A	Z	1.932	5
9	MP2A	Mx	.002	5
10	MP2A	X	1.115	6
11	MP2A	Z	1.932	6
12	MP2A	Mx	.002	6
13	MP2A	X	15.78	1.15
14	MP2A	Z	27.332	1.15
15	MP2A	Mx	.009	1.15
16	MP2A	X	15.78	4.85
17	MP2A	Z	27.332	4.85
18	MP2A	Mx	.009	4.85
19	MP2B	X	14.888	1.15
20	MP2B	Z	25.787	1.15
21	MP2B	Mx	-.031	1.15
22	MP2B	X	14.888	4.85
23	MP2B	Z	25.787	4.85
24	MP2B	Mx	-.031	4.85
25	MP2C	X	11.847	1.15
26	MP2C	Z	20.519	1.15
27	MP2C	Mx	.014	1.15
28	MP2C	X	11.847	4.85
29	MP2C	Z	20.519	4.85
30	MP2C	Mx	.014	4.85
31	MP2A	X	15.78	1.15
32	MP2A	Z	27.332	1.15
33	MP2A	Mx	-.032	1.15
34	MP2A	X	15.78	4.85
35	MP2A	Z	27.332	4.85
36	MP2A	Mx	-.032	4.85
37	MP2B	X	14.888	1.15
38	MP2B	Z	25.787	1.15
39	MP2B	Mx	.003	1.15
40	MP2B	X	14.888	4.85
41	MP2B	Z	25.787	4.85
42	MP2B	Mx	.003	4.85
43	MP2C	X	11.847	1.15
44	MP2C	Z	20.519	1.15
45	MP2C	Mx	.021	1.15
46	MP2C	X	11.847	4.85
47	MP2C	Z	20.519	4.85
48	MP2C	Mx	.021	4.85
49	MP3A	X	7.801	2
50	MP3A	Z	13.512	2
51	MP3A	Mx	-.004	2
52	MP3A	X	7.801	4
53	MP3A	Z	13.512	4
54	MP3A	Mx	-.004	4
55	MP3B	X	7.801	2
56	MP3B	Z	13.512	2
57	MP3B	Mx	-.004	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3B	X	7.801	4
59	MP3B	Z	13.512	4
60	MP3B	Mx	-.004	4
61	MP3C	X	7.801	2
62	MP3C	Z	13.512	2
63	MP3C	Mx	-.004	2
64	MP3C	X	7.801	4
65	MP3C	Z	13.512	4
66	MP3C	Mx	-.004	4
67	MP1A	X	12.895	.25
68	MP1A	Z	22.335	.25
69	MP1A	Mx	-.014	.25
70	MP1A	X	12.895	5.75
71	MP1A	Z	22.335	5.75
72	MP1A	Mx	-.014	5.75
73	MP1B	X	11.92	.25
74	MP1B	Z	20.646	.25
75	MP1B	Mx	-.017	.25
76	MP1B	X	11.92	5.75
77	MP1B	Z	20.646	5.75
78	MP1B	Mx	-.017	5.75
79	MP1C	X	8.592	.25
80	MP1C	Z	14.882	.25
81	MP1C	Mx	.018	.25
82	MP1C	X	8.592	5.75
83	MP1C	Z	14.882	5.75
84	MP1C	Mx	.018	5.75
85	MP2A	X	1.732	1.27
86	MP2A	Z	3	1.27
87	MP2A	Mx	.000722	1.27
88	MP2B	X	1.732	1.27
89	MP2B	Z	3	1.27
90	MP2B	Mx	.000722	1.27
91	MP2C	X	1.732	1.27
92	MP2C	Z	3	1.27
93	MP2C	Mx	.000722	1.27
94	MP2A	X	7.08	2.35
95	MP2A	Z	12.263	2.35
96	MP2A	Mx	.004	2.35
97	MP2B	X	6.698	2.35
98	MP2B	Z	11.601	2.35
99	MP2B	Mx	.005	2.35
100	MP2C	X	5.395	2.35
101	MP2C	Z	9.345	2.35
102	MP2C	Mx	-.007	2.35
103	MP3A	X	6.857	2.35
104	MP3A	Z	11.877	2.35
105	MP3A	Mx	.004	2.35
106	MP3B	X	6.33	2.35
107	MP3B	Z	10.965	2.35
108	MP3B	Mx	.005	2.35
109	MP3C	X	4.533	2.35
110	MP3C	Z	7.851	2.35
111	MP3C	Mx	-.006	2.35

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	5
2	MP2A	Z	1.573	5
3	MP2A	Mx	-.000524	5
4	MP2A	X	0	6
5	MP2A	Z	1.573	6
6	MP2A	Mx	-.000524	6
7	MP2A	X	0	5
8	MP2A	Z	1.573	5
9	MP2A	Mx	.000524	5
10	MP2A	X	0	6
11	MP2A	Z	1.573	6
12	MP2A	Mx	.000524	6
13	MP2A	X	0	1.15
14	MP2A	Z	34.292	1.15
15	MP2A	Mx	.026	1.15
16	MP2A	X	0	4.85
17	MP2A	Z	34.292	4.85
18	MP2A	Mx	.026	4.85
19	MP2B	X	0	1.15
20	MP2B	Z	24.642	1.15
21	MP2B	Mx	-.024	1.15
22	MP2B	X	0	4.85
23	MP2B	Z	24.642	4.85
24	MP2B	Mx	-.024	4.85
25	MP2C	X	0	1.15
26	MP2C	Z	27.879	1.15
27	MP2C	Mx	.003	1.15
28	MP2C	X	0	4.85
29	MP2C	Z	27.879	4.85
30	MP2C	Mx	.003	4.85
31	MP2A	X	0	1.15
32	MP2A	Z	34.292	1.15
33	MP2A	Mx	-.026	1.15
34	MP2A	X	0	4.85
35	MP2A	Z	34.292	4.85
36	MP2A	Mx	-.026	4.85
37	MP2B	X	0	1.15
38	MP2B	Z	24.642	1.15
39	MP2B	Mx	-.011	1.15
40	MP2B	X	0	4.85
41	MP2B	Z	24.642	4.85
42	MP2B	Mx	-.011	4.85
43	MP2C	X	0	1.15
44	MP2C	Z	27.879	1.15
45	MP2C	Mx	.029	1.15
46	MP2C	X	0	4.85
47	MP2C	Z	27.879	4.85
48	MP2C	Mx	.029	4.85
49	MP3A	X	0	2
50	MP3A	Z	18.222	2
51	MP3A	Mx	0	2
52	MP3A	X	0	4
53	MP3A	Z	18.222	4
54	MP3A	Mx	0	4
55	MP3B	X	0	2
56	MP3B	Z	18.222	2
57	MP3B	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3B	X	0	4
59	MP3B	Z	18.222	4
60	MP3B	Mx	0	4
61	MP3C	X	0	2
62	MP3C	Z	18.222	2
63	MP3C	Mx	0	2
64	MP3C	X	0	4
65	MP3C	Z	18.222	4
66	MP3C	Mx	0	4
67	MP1A	X	0	.25
68	MP1A	Z	28.78	.25
69	MP1A	Mx	0	.25
70	MP1A	X	0	5.75
71	MP1A	Z	28.78	5.75
72	MP1A	Mx	0	5.75
73	MP1B	X	0	.25
74	MP1B	Z	18.222	.25
75	MP1B	Mx	-.019	.25
76	MP1B	X	0	5.75
77	MP1B	Z	18.222	5.75
78	MP1B	Mx	-.019	5.75
79	MP1C	X	0	.25
80	MP1C	Z	21.763	.25
81	MP1C	Mx	.018	.25
82	MP1C	X	0	5.75
83	MP1C	Z	21.763	5.75
84	MP1C	Mx	.018	5.75
85	MP2A	X	0	1.27
86	MP2A	Z	3.697	1.27
87	MP2A	Mx	0	1.27
88	MP2B	X	0	1.27
89	MP2B	Z	3.697	1.27
90	MP2B	Mx	0	1.27
91	MP2C	X	0	1.27
92	MP2C	Z	3.697	1.27
93	MP2C	Mx	0	1.27
94	MP2A	X	0	2.35
95	MP2A	Z	15.33	2.35
96	MP2A	Mx	0	2.35
97	MP2B	X	0	2.35
98	MP2B	Z	11.197	2.35
99	MP2B	Mx	.007	2.35
100	MP2C	X	0	2.35
101	MP2C	Z	12.583	2.35
102	MP2C	Mx	-.006	2.35
103	MP3A	X	0	2.35
104	MP3A	Z	15.33	2.35
105	MP3A	Mx	0	2.35
106	MP3B	X	0	2.35
107	MP3B	Z	9.626	2.35
108	MP3B	Mx	.006	2.35
109	MP3C	X	0	2.35
110	MP3C	Z	11.539	2.35
111	MP3C	Mx	-.006	2.35

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-1.115	5
2	MP2A	Z	1.932	5
3	MP2A	Mx	-.002	5
4	MP2A	X	-1.115	6
5	MP2A	Z	1.932	6
6	MP2A	Mx	-.002	6
7	MP2A	X	-1.115	5
8	MP2A	Z	1.932	5
9	MP2A	Mx	-.000471	5
10	MP2A	X	-1.115	6
11	MP2A	Z	1.932	6
12	MP2A	Mx	-.000471	6
13	MP2A	X	-15.78	1.15
14	MP2A	Z	27.332	1.15
15	MP2A	Mx	.032	1.15
16	MP2A	X	-15.78	4.85
17	MP2A	Z	27.332	4.85
18	MP2A	Mx	.032	4.85
19	MP2B	X	-11.847	1.15
20	MP2B	Z	20.519	1.15
21	MP2B	Mx	-.014	1.15
22	MP2B	X	-11.847	4.85
23	MP2B	Z	20.519	4.85
24	MP2B	Mx	-.014	4.85
25	MP2C	X	-16.507	1.15
26	MP2C	Z	28.591	1.15
27	MP2C	Mx	-.015	1.15
28	MP2C	X	-16.507	4.85
29	MP2C	Z	28.591	4.85
30	MP2C	Mx	-.015	4.85
31	MP2A	X	-15.78	1.15
32	MP2A	Z	27.332	1.15
33	MP2A	Mx	-.009	1.15
34	MP2A	X	-15.78	4.85
35	MP2A	Z	27.332	4.85
36	MP2A	Mx	-.009	4.85
37	MP2B	X	-11.847	1.15
38	MP2B	Z	20.519	1.15
39	MP2B	Mx	-.021	1.15
40	MP2B	X	-11.847	4.85
41	MP2B	Z	20.519	4.85
42	MP2B	Mx	-.021	4.85
43	MP2C	X	-16.507	1.15
44	MP2C	Z	28.591	1.15
45	MP2C	Mx	.032	1.15
46	MP2C	X	-16.507	4.85
47	MP2C	Z	28.591	4.85
48	MP2C	Mx	.032	4.85
49	MP3A	X	-7.801	2
50	MP3A	Z	13.512	2
51	MP3A	Mx	.004	2
52	MP3A	X	-7.801	4
53	MP3A	Z	13.512	4
54	MP3A	Mx	.004	4
55	MP3B	X	-7.801	2
56	MP3B	Z	13.512	2
57	MP3B	Mx	.004	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3B	X	-7.801	4
59	MP3B	Z	13.512	4
60	MP3B	Mx	.004	4
61	MP3C	X	-7.801	2
62	MP3C	Z	13.512	2
63	MP3C	Mx	.004	2
64	MP3C	X	-7.801	4
65	MP3C	Z	13.512	4
66	MP3C	Mx	.004	4
67	MP1A	X	-12.895	.25
68	MP1A	Z	22.335	.25
69	MP1A	Mx	.014	.25
70	MP1A	X	-12.895	5.75
71	MP1A	Z	22.335	5.75
72	MP1A	Mx	.014	5.75
73	MP1B	X	-8.592	.25
74	MP1B	Z	14.882	.25
75	MP1B	Mx	-.018	.25
76	MP1B	X	-8.592	5.75
77	MP1B	Z	14.882	5.75
78	MP1B	Mx	-.018	5.75
79	MP1C	X	-13.691	.25
80	MP1C	Z	23.713	.25
81	MP1C	Mx	.01	.25
82	MP1C	X	-13.691	5.75
83	MP1C	Z	23.713	5.75
84	MP1C	Mx	.01	5.75
85	MP2A	X	-1.732	1.27
86	MP2A	Z	3	1.27
87	MP2A	Mx	-.000722	1.27
88	MP2B	X	-1.732	1.27
89	MP2B	Z	3	1.27
90	MP2B	Mx	-.000722	1.27
91	MP2C	X	-1.732	1.27
92	MP2C	Z	3	1.27
93	MP2C	Mx	-.000722	1.27
94	MP2A	X	-7.08	2.35
95	MP2A	Z	12.263	2.35
96	MP2A	Mx	-.004	2.35
97	MP2B	X	-5.395	2.35
98	MP2B	Z	9.345	2.35
99	MP2B	Mx	.007	2.35
100	MP2C	X	-7.391	2.35
101	MP2C	Z	12.802	2.35
102	MP2C	Mx	-.003	2.35
103	MP3A	X	-6.857	2.35
104	MP3A	Z	11.877	2.35
105	MP3A	Mx	-.004	2.35
106	MP3B	X	-4.533	2.35
107	MP3B	Z	7.851	2.35
108	MP3B	Mx	.006	2.35
109	MP3C	X	-7.287	2.35
110	MP3C	Z	12.622	2.35
111	MP3C	Mx	-.003	2.35

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-3.071	5
2	MP2A	Z	1.773	5
3	MP2A	Mx	-.004	5
4	MP2A	X	-3.071	6
5	MP2A	Z	1.773	6
6	MP2A	Mx	-.004	6
7	MP2A	X	-3.071	5
8	MP2A	Z	1.773	5
9	MP2A	Mx	-.002	5
10	MP2A	X	-3.071	6
11	MP2A	Z	1.773	6
12	MP2A	Mx	-.002	6
13	MP2A	X	-22.6	1.15
14	MP2A	Z	13.048	1.15
15	MP2A	Mx	.027	1.15
16	MP2A	X	-22.6	4.85
17	MP2A	Z	13.048	4.85
18	MP2A	Mx	.027	4.85
19	MP2B	X	-24.144	1.15
20	MP2B	Z	13.94	1.15
21	MP2B	Mx	-.003	1.15
22	MP2B	X	-24.144	4.85
23	MP2B	Z	13.94	4.85
24	MP2B	Mx	-.003	4.85
25	MP2C	X	-29.412	1.15
26	MP2C	Z	16.981	1.15
27	MP2C	Mx	-.03	1.15
28	MP2C	X	-29.412	4.85
29	MP2C	Z	16.981	4.85
30	MP2C	Mx	-.03	4.85
31	MP2A	X	-22.6	1.15
32	MP2A	Z	13.048	1.15
33	MP2A	Mx	.007	1.15
34	MP2A	X	-22.6	4.85
35	MP2A	Z	13.048	4.85
36	MP2A	Mx	.007	4.85
37	MP2B	X	-24.144	1.15
38	MP2B	Z	13.94	1.15
39	MP2B	Mx	-.029	1.15
40	MP2B	X	-24.144	4.85
41	MP2B	Z	13.94	4.85
42	MP2B	Mx	-.029	4.85
43	MP2C	X	-29.412	1.15
44	MP2C	Z	16.981	1.15
45	MP2C	Mx	.021	1.15
46	MP2C	X	-29.412	4.85
47	MP2C	Z	16.981	4.85
48	MP2C	Mx	.021	4.85
49	MP3A	X	-8.973	2
50	MP3A	Z	5.18	2
51	MP3A	Mx	.004	2
52	MP3A	X	-8.973	4
53	MP3A	Z	5.18	4
54	MP3A	Mx	.004	4
55	MP3B	X	-8.973	2
56	MP3B	Z	5.18	2
57	MP3B	Mx	.004	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3B	X	-8.973	4
59	MP3B	Z	5.18	4
60	MP3B	Mx	.004	4
61	MP3C	X	-8.973	2
62	MP3C	Z	5.18	2
63	MP3C	Mx	.004	2
64	MP3C	X	-8.973	4
65	MP3C	Z	5.18	4
66	MP3C	Mx	.004	4
67	MP1A	X	-17.158	.25
68	MP1A	Z	9.906	.25
69	MP1A	Mx	.019	.25
70	MP1A	X	-17.158	5.75
71	MP1A	Z	9.906	5.75
72	MP1A	Mx	.019	5.75
73	MP1B	X	-18.848	.25
74	MP1B	Z	10.882	.25
75	MP1B	Mx	-.018	.25
76	MP1B	X	-18.848	5.75
77	MP1B	Z	10.882	5.75
78	MP1B	Mx	-.018	5.75
79	MP1C	X	-24.612	.25
80	MP1C	Z	14.21	.25
81	MP1C	Mx	-.005	.25
82	MP1C	X	-24.612	5.75
83	MP1C	Z	14.21	5.75
84	MP1C	Mx	-.005	5.75
85	MP2A	X	-2.598	1.27
86	MP2A	Z	1.5	1.27
87	MP2A	Mx	-.001	1.27
88	MP2B	X	-2.598	1.27
89	MP2B	Z	1.5	1.27
90	MP2B	Mx	-.001	1.27
91	MP2C	X	-2.598	1.27
92	MP2C	Z	1.5	1.27
93	MP2C	Mx	-.001	1.27
94	MP2A	X	-10.236	2.35
95	MP2A	Z	5.91	2.35
96	MP2A	Mx	-.006	2.35
97	MP2B	X	-10.897	2.35
98	MP2B	Z	6.292	2.35
99	MP2B	Mx	.006	2.35
100	MP2C	X	-13.154	2.35
101	MP2C	Z	7.594	2.35
102	MP2C	Mx	.002	2.35
103	MP3A	X	-9.081	2.35
104	MP3A	Z	5.243	2.35
105	MP3A	Mx	-.006	2.35
106	MP3B	X	-9.993	2.35
107	MP3B	Z	5.77	2.35
108	MP3B	Mx	.006	2.35
109	MP3C	X	-13.107	2.35
110	MP3C	Z	7.567	2.35
111	MP3C	Mx	.002	2.35

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-4.204	5
2	MP2A	Z	0	5
3	MP2A	Mx	-.004	5
4	MP2A	X	-4.204	6
5	MP2A	Z	0	6
6	MP2A	Mx	-.004	6
7	MP2A	X	-4.204	5
8	MP2A	Z	0	5
9	MP2A	Mx	-.004	5
10	MP2A	X	-4.204	6
11	MP2A	Z	0	6
12	MP2A	Mx	-.004	6
13	MP2A	X	-23.364	1.15
14	MP2A	Z	0	1.15
15	MP2A	Mx	.018	1.15
16	MP2A	X	-23.364	4.85
17	MP2A	Z	0	4.85
18	MP2A	Mx	.018	4.85
19	MP2B	X	-33.014	1.15
20	MP2B	Z	0	1.15
21	MP2B	Mx	.015	1.15
22	MP2B	X	-33.014	4.85
23	MP2B	Z	0	4.85
24	MP2B	Mx	.015	4.85
25	MP2C	X	-29.777	1.15
26	MP2C	Z	0	1.15
27	MP2C	Mx	-.031	1.15
28	MP2C	X	-29.777	4.85
29	MP2C	Z	0	4.85
30	MP2C	Mx	-.031	4.85
31	MP2A	X	-23.364	1.15
32	MP2A	Z	0	1.15
33	MP2A	Mx	.018	1.15
34	MP2A	X	-23.364	4.85
35	MP2A	Z	0	4.85
36	MP2A	Mx	.018	4.85
37	MP2B	X	-33.014	1.15
38	MP2B	Z	0	1.15
39	MP2B	Mx	-.032	1.15
40	MP2B	X	-33.014	4.85
41	MP2B	Z	0	4.85
42	MP2B	Mx	-.032	4.85
43	MP2C	X	-29.777	1.15
44	MP2C	Z	0	1.15
45	MP2C	Mx	.003	1.15
46	MP2C	X	-29.777	4.85
47	MP2C	Z	0	4.85
48	MP2C	Mx	.003	4.85
49	MP3A	X	-7.74	2
50	MP3A	Z	0	2
51	MP3A	Mx	.004	2
52	MP3A	X	-7.74	4
53	MP3A	Z	0	4
54	MP3A	Mx	.004	4
55	MP3B	X	-7.74	2
56	MP3B	Z	0	2
57	MP3B	Mx	.004	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3B	X	-7.74	4
59	MP3B	Z	0	4
60	MP3B	Mx	.004	4
61	MP3C	X	-7.74	2
62	MP3C	Z	0	2
63	MP3C	Mx	.004	2
64	MP3C	X	-7.74	4
65	MP3C	Z	0	4
66	MP3C	Mx	.004	4
67	MP1A	X	-16.823	.25
68	MP1A	Z	0	.25
69	MP1A	Mx	.018	.25
70	MP1A	X	-16.823	5.75
71	MP1A	Z	0	5.75
72	MP1A	Mx	.018	5.75
73	MP1B	X	-27.381	.25
74	MP1B	Z	0	.25
75	MP1B	Mx	-.01	.25
76	MP1B	X	-27.381	5.75
77	MP1B	Z	0	5.75
78	MP1B	Mx	-.01	5.75
79	MP1C	X	-23.84	.25
80	MP1C	Z	0	.25
81	MP1C	Mx	-.017	.25
82	MP1C	X	-23.84	5.75
83	MP1C	Z	0	5.75
84	MP1C	Mx	-.017	5.75
85	MP2A	X	-2.768	1.27
86	MP2A	Z	0	1.27
87	MP2A	Mx	-.001	1.27
88	MP2B	X	-2.768	1.27
89	MP2B	Z	0	1.27
90	MP2B	Mx	-.001	1.27
91	MP2C	X	-2.768	1.27
92	MP2C	Z	0	1.27
93	MP2C	Mx	-.001	1.27
94	MP2A	X	-10.649	2.35
95	MP2A	Z	0	2.35
96	MP2A	Mx	-.007	2.35
97	MP2B	X	-14.782	2.35
98	MP2B	Z	0	2.35
99	MP2B	Mx	.003	2.35
100	MP2C	X	-13.396	2.35
101	MP2C	Z	0	2.35
102	MP2C	Mx	.005	2.35
103	MP3A	X	-8.871	2.35
104	MP3A	Z	0	2.35
105	MP3A	Mx	-.006	2.35
106	MP3B	X	-14.574	2.35
107	MP3B	Z	0	2.35
108	MP3B	Mx	.003	2.35
109	MP3C	X	-12.661	2.35
110	MP3C	Z	0	2.35
111	MP3C	Mx	.005	2.35

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-3.071	5
2	MP2A	Z	-1.773	5
3	MP2A	Mx	-.002	5
4	MP2A	X	-3.071	6
5	MP2A	Z	-1.773	6
6	MP2A	Mx	-.002	6
7	MP2A	X	-3.071	5
8	MP2A	Z	-1.773	5
9	MP2A	Mx	-.004	5
10	MP2A	X	-3.071	6
11	MP2A	Z	-1.773	6
12	MP2A	Mx	-.004	6
13	MP2A	X	-22.6	1.15
14	MP2A	Z	-13.048	1.15
15	MP2A	Mx	.007	1.15
16	MP2A	X	-22.6	4.85
17	MP2A	Z	-13.048	4.85
18	MP2A	Mx	.007	4.85
19	MP2B	X	-29.412	1.15
20	MP2B	Z	-16.981	1.15
21	MP2B	Mx	.03	1.15
22	MP2B	X	-29.412	4.85
23	MP2B	Z	-16.981	4.85
24	MP2B	Mx	.03	4.85
25	MP2C	X	-21.341	1.15
26	MP2C	Z	-12.321	1.15
27	MP2C	Mx	-.024	1.15
28	MP2C	X	-21.341	4.85
29	MP2C	Z	-12.321	4.85
30	MP2C	Mx	-.024	4.85
31	MP2A	X	-22.6	1.15
32	MP2A	Z	-13.048	1.15
33	MP2A	Mx	.027	1.15
34	MP2A	X	-22.6	4.85
35	MP2A	Z	-13.048	4.85
36	MP2A	Mx	.027	4.85
37	MP2B	X	-29.412	1.15
38	MP2B	Z	-16.981	1.15
39	MP2B	Mx	-.021	1.15
40	MP2B	X	-29.412	4.85
41	MP2B	Z	-16.981	4.85
42	MP2B	Mx	-.021	4.85
43	MP2C	X	-21.341	1.15
44	MP2C	Z	-12.321	1.15
45	MP2C	Mx	-.011	1.15
46	MP2C	X	-21.341	4.85
47	MP2C	Z	-12.321	4.85
48	MP2C	Mx	-.011	4.85
49	MP3A	X	-8.973	2
50	MP3A	Z	-5.18	2
51	MP3A	Mx	.004	2
52	MP3A	X	-8.973	4
53	MP3A	Z	-5.18	4
54	MP3A	Mx	.004	4
55	MP3B	X	-8.973	2
56	MP3B	Z	-5.18	2
57	MP3B	Mx	.004	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3B	X	-8.973	4
59	MP3B	Z	-5.18	4
60	MP3B	Mx	.004	4
61	MP3C	X	-8.973	2
62	MP3C	Z	-5.18	2
63	MP3C	Mx	.004	2
64	MP3C	X	-8.973	4
65	MP3C	Z	-5.18	4
66	MP3C	Mx	.004	4
67	MP1A	X	-17.158	.25
68	MP1A	Z	-9.906	.25
69	MP1A	Mx	.019	.25
70	MP1A	X	-17.158	5.75
71	MP1A	Z	-9.906	5.75
72	MP1A	Mx	.019	5.75
73	MP1B	X	-24.612	.25
74	MP1B	Z	-14.21	.25
75	MP1B	Mx	.005	.25
76	MP1B	X	-24.612	5.75
77	MP1B	Z	-14.21	5.75
78	MP1B	Mx	.005	5.75
79	MP1C	X	-15.781	.25
80	MP1C	Z	-9.111	.25
81	MP1C	Mx	-.019	.25
82	MP1C	X	-15.781	5.75
83	MP1C	Z	-9.111	5.75
84	MP1C	Mx	-.019	5.75
85	MP2A	X	-2.598	1.27
86	MP2A	Z	-1.5	1.27
87	MP2A	Mx	-.001	1.27
88	MP2B	X	-2.598	1.27
89	MP2B	Z	-1.5	1.27
90	MP2B	Mx	-.001	1.27
91	MP2C	X	-2.598	1.27
92	MP2C	Z	-1.5	1.27
93	MP2C	Mx	-.001	1.27
94	MP2A	X	-10.236	2.35
95	MP2A	Z	-5.91	2.35
96	MP2A	Mx	-.006	2.35
97	MP2B	X	-13.154	2.35
98	MP2B	Z	-7.594	2.35
99	MP2B	Mx	-.002	2.35
100	MP2C	X	-9.697	2.35
101	MP2C	Z	-5.598	2.35
102	MP2C	Mx	.007	2.35
103	MP3A	X	-9.081	2.35
104	MP3A	Z	-5.243	2.35
105	MP3A	Mx	-.006	2.35
106	MP3B	X	-13.107	2.35
107	MP3B	Z	-7.567	2.35
108	MP3B	Mx	-.002	2.35
109	MP3C	X	-8.336	2.35
110	MP3C	Z	-4.813	2.35
111	MP3C	Mx	.006	2.35

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-1.115	5
2	MP2A	Z	-1.932	5
3	MP2A	Mx	-.000471	5
4	MP2A	X	-1.115	6
5	MP2A	Z	-1.932	6
6	MP2A	Mx	-.000471	6
7	MP2A	X	-1.115	5
8	MP2A	Z	-1.932	5
9	MP2A	Mx	-.002	5
10	MP2A	X	-1.115	6
11	MP2A	Z	-1.932	6
12	MP2A	Mx	-.002	6
13	MP2A	X	-15.78	1.15
14	MP2A	Z	-27.332	1.15
15	MP2A	Mx	-.009	1.15
16	MP2A	X	-15.78	4.85
17	MP2A	Z	-27.332	4.85
18	MP2A	Mx	-.009	4.85
19	MP2B	X	-14.888	1.15
20	MP2B	Z	-25.787	1.15
21	MP2B	Mx	.031	1.15
22	MP2B	X	-14.888	4.85
23	MP2B	Z	-25.787	4.85
24	MP2B	Mx	.031	4.85
25	MP2C	X	-11.847	1.15
26	MP2C	Z	-20.519	1.15
27	MP2C	Mx	-.014	1.15
28	MP2C	X	-11.847	4.85
29	MP2C	Z	-20.519	4.85
30	MP2C	Mx	-.014	4.85
31	MP2A	X	-15.78	1.15
32	MP2A	Z	-27.332	1.15
33	MP2A	Mx	.032	1.15
34	MP2A	X	-15.78	4.85
35	MP2A	Z	-27.332	4.85
36	MP2A	Mx	.032	4.85
37	MP2B	X	-14.888	1.15
38	MP2B	Z	-25.787	1.15
39	MP2B	Mx	-.003	1.15
40	MP2B	X	-14.888	4.85
41	MP2B	Z	-25.787	4.85
42	MP2B	Mx	-.003	4.85
43	MP2C	X	-11.847	1.15
44	MP2C	Z	-20.519	1.15
45	MP2C	Mx	-.021	1.15
46	MP2C	X	-11.847	4.85
47	MP2C	Z	-20.519	4.85
48	MP2C	Mx	-.021	4.85
49	MP3A	X	-7.801	2
50	MP3A	Z	-13.512	2
51	MP3A	Mx	.004	2
52	MP3A	X	-7.801	4
53	MP3A	Z	-13.512	4
54	MP3A	Mx	.004	4
55	MP3B	X	-7.801	2
56	MP3B	Z	-13.512	2
57	MP3B	Mx	.004	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3B	X	-7.801	4
59	MP3B	Z	-13.512	4
60	MP3B	Mx	.004	4
61	MP3C	X	-7.801	2
62	MP3C	Z	-13.512	2
63	MP3C	Mx	.004	2
64	MP3C	X	-7.801	4
65	MP3C	Z	-13.512	4
66	MP3C	Mx	.004	4
67	MP1A	X	-12.895	.25
68	MP1A	Z	-22.335	.25
69	MP1A	Mx	.014	.25
70	MP1A	X	-12.895	5.75
71	MP1A	Z	-22.335	5.75
72	MP1A	Mx	.014	5.75
73	MP1B	X	-11.92	.25
74	MP1B	Z	-20.646	.25
75	MP1B	Mx	.017	.25
76	MP1B	X	-11.92	5.75
77	MP1B	Z	-20.646	5.75
78	MP1B	Mx	.017	5.75
79	MP1C	X	-8.592	.25
80	MP1C	Z	-14.882	.25
81	MP1C	Mx	-.018	.25
82	MP1C	X	-8.592	5.75
83	MP1C	Z	-14.882	5.75
84	MP1C	Mx	-.018	5.75
85	MP2A	X	-1.732	1.27
86	MP2A	Z	-3	1.27
87	MP2A	Mx	-.000722	1.27
88	MP2B	X	-1.732	1.27
89	MP2B	Z	-3	1.27
90	MP2B	Mx	-.000722	1.27
91	MP2C	X	-1.732	1.27
92	MP2C	Z	-3	1.27
93	MP2C	Mx	-.000722	1.27
94	MP2A	X	-7.08	2.35
95	MP2A	Z	-12.263	2.35
96	MP2A	Mx	-.004	2.35
97	MP2B	X	-6.698	2.35
98	MP2B	Z	-11.601	2.35
99	MP2B	Mx	-.005	2.35
100	MP2C	X	-5.395	2.35
101	MP2C	Z	-9.345	2.35
102	MP2C	Mx	.007	2.35
103	MP3A	X	-6.857	2.35
104	MP3A	Z	-11.877	2.35
105	MP3A	Mx	-.004	2.35
106	MP3B	X	-6.33	2.35
107	MP3B	Z	-10.965	2.35
108	MP3B	Mx	-.005	2.35
109	MP3C	X	-4.533	2.35
110	MP3C	Z	-7.851	2.35
111	MP3C	Mx	.006	2.35

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	5
2	MP2A	Z	-1.191	5
3	MP2A	Mx	.000397	5
4	MP2A	X	0	6
5	MP2A	Z	-1.191	6
6	MP2A	Mx	.000397	6
7	MP2A	X	0	5
8	MP2A	Z	-1.191	5
9	MP2A	Mx	-.000397	5
10	MP2A	X	0	6
11	MP2A	Z	-1.191	6
12	MP2A	Mx	-.000397	6
13	MP2A	X	0	1.15
14	MP2A	Z	-11.3	1.15
15	MP2A	Mx	-.008	1.15
16	MP2A	X	0	4.85
17	MP2A	Z	-11.3	4.85
18	MP2A	Mx	-.008	4.85
19	MP2B	X	0	1.15
20	MP2B	Z	-7.875	1.15
21	MP2B	Mx	.008	1.15
22	MP2B	X	0	4.85
23	MP2B	Z	-7.875	4.85
24	MP2B	Mx	.008	4.85
25	MP2C	X	0	1.15
26	MP2C	Z	-9.024	1.15
27	MP2C	Mx	-.000834	1.15
28	MP2C	X	0	4.85
29	MP2C	Z	-9.024	4.85
30	MP2C	Mx	-.000834	4.85
31	MP2A	X	0	1.15
32	MP2A	Z	-11.3	1.15
33	MP2A	Mx	.008	1.15
34	MP2A	X	0	4.85
35	MP2A	Z	-11.3	4.85
36	MP2A	Mx	.008	4.85
37	MP2B	X	0	1.15
38	MP2B	Z	-7.875	1.15
39	MP2B	Mx	.004	1.15
40	MP2B	X	0	4.85
41	MP2B	Z	-7.875	4.85
42	MP2B	Mx	.004	4.85
43	MP2C	X	0	1.15
44	MP2C	Z	-9.024	1.15
45	MP2C	Mx	-.01	1.15
46	MP2C	X	0	4.85
47	MP2C	Z	-9.024	4.85
48	MP2C	Mx	-.01	4.85
49	MP3A	X	0	2
50	MP3A	Z	-4.862	2
51	MP3A	Mx	0	2
52	MP3A	X	0	4
53	MP3A	Z	-4.862	4
54	MP3A	Mx	0	4
55	MP3B	X	0	2
56	MP3B	Z	-4.862	2
57	MP3B	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3B	X	0	4
59	MP3B	Z	-4.862	4
60	MP3B	Mx	0	4
61	MP3C	X	0	2
62	MP3C	Z	-4.862	2
63	MP3C	Mx	0	2
64	MP3C	X	0	4
65	MP3C	Z	-4.862	4
66	MP3C	Mx	0	4
67	MP1A	X	0	.25
68	MP1A	Z	-9.39	.25
69	MP1A	Mx	0	.25
70	MP1A	X	0	5.75
71	MP1A	Z	-9.39	5.75
72	MP1A	Mx	0	5.75
73	MP1B	X	0	.25
74	MP1B	Z	-5.653	.25
75	MP1B	Mx	.006	.25
76	MP1B	X	0	5.75
77	MP1B	Z	-5.653	5.75
78	MP1B	Mx	.006	5.75
79	MP1C	X	0	.25
80	MP1C	Z	-6.906	.25
81	MP1C	Mx	-.006	.25
82	MP1C	X	0	5.75
83	MP1C	Z	-6.906	5.75
84	MP1C	Mx	-.006	5.75
85	MP2A	X	0	1.27
86	MP2A	Z	-.918	1.27
87	MP2A	Mx	0	1.27
88	MP2B	X	0	1.27
89	MP2B	Z	-.918	1.27
90	MP2B	Mx	0	1.27
91	MP2C	X	0	1.27
92	MP2C	Z	-.918	1.27
93	MP2C	Mx	0	1.27
94	MP2A	X	0	2.35
95	MP2A	Z	-3.845	2.35
96	MP2A	Mx	0	2.35
97	MP2B	X	0	2.35
98	MP2B	Z	-2.728	2.35
99	MP2B	Mx	-.002	2.35
100	MP2C	X	0	2.35
101	MP2C	Z	-3.103	2.35
102	MP2C	Mx	.001	2.35
103	MP3A	X	0	2.35
104	MP3A	Z	-3.845	2.35
105	MP3A	Mx	0	2.35
106	MP3B	X	0	2.35
107	MP3B	Z	-2.312	2.35
108	MP3B	Mx	-.001	2.35
109	MP3C	X	0	2.35
110	MP3C	Z	-2.826	2.35
111	MP3C	Mx	.001	2.35

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	.596	5
2	MP2A	Z	-1.032	5
3	MP2A	Mx	.00094	5
4	MP2A	X	.596	6
5	MP2A	Z	-1.032	6
6	MP2A	Mx	.00094	6
7	MP2A	X	.596	5
8	MP2A	Z	-1.032	5
9	MP2A	Mx	.000252	5
10	MP2A	X	.596	6
11	MP2A	Z	-1.032	6
12	MP2A	Mx	.000252	6
13	MP2A	X	5.165	1.15
14	MP2A	Z	-8.946	1.15
15	MP2A	Mx	-.011	1.15
16	MP2A	X	5.165	4.85
17	MP2A	Z	-8.946	4.85
18	MP2A	Mx	-.011	4.85
19	MP2B	X	3.769	1.15
20	MP2B	Z	-6.528	1.15
21	MP2B	Mx	.005	1.15
22	MP2B	X	3.769	4.85
23	MP2B	Z	-6.528	4.85
24	MP2B	Mx	.005	4.85
25	MP2C	X	5.423	1.15
26	MP2C	Z	-9.393	1.15
27	MP2C	Mx	.005	1.15
28	MP2C	X	5.423	4.85
29	MP2C	Z	-9.393	4.85
30	MP2C	Mx	.005	4.85
31	MP2A	X	5.165	1.15
32	MP2A	Z	-8.946	1.15
33	MP2A	Mx	.003	1.15
34	MP2A	X	5.165	4.85
35	MP2A	Z	-8.946	4.85
36	MP2A	Mx	.003	4.85
37	MP2B	X	3.769	1.15
38	MP2B	Z	-6.528	1.15
39	MP2B	Mx	.007	1.15
40	MP2B	X	3.769	4.85
41	MP2B	Z	-6.528	4.85
42	MP2B	Mx	.007	4.85
43	MP2C	X	5.423	1.15
44	MP2C	Z	-9.393	1.15
45	MP2C	Mx	-.01	1.15
46	MP2C	X	5.423	4.85
47	MP2C	Z	-9.393	4.85
48	MP2C	Mx	-.01	4.85
49	MP3A	X	2.033	2
50	MP3A	Z	-3.521	2
51	MP3A	Mx	-.001	2
52	MP3A	X	2.033	4
53	MP3A	Z	-3.521	4
54	MP3A	Mx	-.001	4
55	MP3B	X	2.033	2
56	MP3B	Z	-3.521	2
57	MP3B	Mx	-.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3B	X	2.033	4
59	MP3B	Z	-3.521	4
60	MP3B	Mx	-.001	4
61	MP3C	X	2.033	2
62	MP3C	Z	-3.521	2
63	MP3C	Mx	-.001	2
64	MP3C	X	2.033	4
65	MP3C	Z	-3.521	4
66	MP3C	Mx	-.001	4
67	MP1A	X	4.166	.25
68	MP1A	Z	-7.215	.25
69	MP1A	Mx	-.005	.25
70	MP1A	X	4.166	5.75
71	MP1A	Z	-7.215	5.75
72	MP1A	Mx	-.005	5.75
73	MP1B	X	2.643	.25
74	MP1B	Z	-4.577	.25
75	MP1B	Mx	.006	.25
76	MP1B	X	2.643	5.75
77	MP1B	Z	-4.577	5.75
78	MP1B	Mx	.006	5.75
79	MP1C	X	4.447	.25
80	MP1C	Z	-7.703	.25
81	MP1C	Mx	-.003	.25
82	MP1C	X	4.447	5.75
83	MP1C	Z	-7.703	5.75
84	MP1C	Mx	-.003	5.75
85	MP2A	X	.424	1.27
86	MP2A	Z	-.734	1.27
87	MP2A	Mx	.000177	1.27
88	MP2B	X	.424	1.27
89	MP2B	Z	-.734	1.27
90	MP2B	Mx	.000177	1.27
91	MP2C	X	.424	1.27
92	MP2C	Z	-.734	1.27
93	MP2C	Mx	.000177	1.27
94	MP2A	X	1.764	2.35
95	MP2A	Z	-3.056	2.35
96	MP2A	Mx	.001	2.35
97	MP2B	X	1.309	2.35
98	MP2B	Z	-2.267	2.35
99	MP2B	Mx	-.002	2.35
100	MP2C	X	1.849	2.35
101	MP2C	Z	-3.202	2.35
102	MP2C	Mx	.00079	2.35
103	MP3A	X	1.705	2.35
104	MP3A	Z	-2.954	2.35
105	MP3A	Mx	.001	2.35
106	MP3B	X	1.08	2.35
107	MP3B	Z	-1.871	2.35
108	MP3B	Mx	-.001	2.35
109	MP3C	X	1.821	2.35
110	MP3C	Z	-3.154	2.35
111	MP3C	Mx	.000778	2.35

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	1.034	5
2	MP2A	Z	-.597	5
3	MP2A	Mx	.001	5
4	MP2A	X	1.034	6
5	MP2A	Z	-.597	6
6	MP2A	Mx	.001	6
7	MP2A	X	1.034	5
8	MP2A	Z	-.597	5
9	MP2A	Mx	.000835	5
10	MP2A	X	1.034	6
11	MP2A	Z	-.597	6
12	MP2A	Mx	.000835	6
13	MP2A	X	7.267	1.15
14	MP2A	Z	-4.196	1.15
15	MP2A	Mx	-.009	1.15
16	MP2A	X	7.267	4.85
17	MP2A	Z	-4.196	4.85
18	MP2A	Mx	-.009	4.85
19	MP2B	X	7.815	1.15
20	MP2B	Z	-4.512	1.15
21	MP2B	Mx	.000834	1.15
22	MP2B	X	7.815	4.85
23	MP2B	Z	-4.512	4.85
24	MP2B	Mx	.000834	4.85
25	MP2C	X	9.685	1.15
26	MP2C	Z	-5.591	1.15
27	MP2C	Mx	.01	1.15
28	MP2C	X	9.685	4.85
29	MP2C	Z	-5.591	4.85
30	MP2C	Mx	.01	4.85
31	MP2A	X	7.267	1.15
32	MP2A	Z	-4.196	1.15
33	MP2A	Mx	-.002	1.15
34	MP2A	X	7.267	4.85
35	MP2A	Z	-4.196	4.85
36	MP2A	Mx	-.002	4.85
37	MP2B	X	7.815	1.15
38	MP2B	Z	-4.512	1.15
39	MP2B	Mx	.01	1.15
40	MP2B	X	7.815	4.85
41	MP2B	Z	-4.512	4.85
42	MP2B	Mx	.01	4.85
43	MP2C	X	9.685	1.15
44	MP2C	Z	-5.591	1.15
45	MP2C	Mx	-.007	1.15
46	MP2C	X	9.685	4.85
47	MP2C	Z	-5.591	4.85
48	MP2C	Mx	-.007	4.85
49	MP3A	X	2.14	2
50	MP3A	Z	-1.236	2
51	MP3A	Mx	-.001	2
52	MP3A	X	2.14	4
53	MP3A	Z	-1.236	4
54	MP3A	Mx	-.001	4
55	MP3B	X	2.14	2
56	MP3B	Z	-1.236	2
57	MP3B	Mx	-.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3B	X	2.14	4
59	MP3B	Z	-1.236	4
60	MP3B	Mx	-.001	4
61	MP3C	X	2.14	2
62	MP3C	Z	-1.236	2
63	MP3C	Mx	-.001	2
64	MP3C	X	2.14	4
65	MP3C	Z	-1.236	4
66	MP3C	Mx	-.001	4
67	MP1A	X	5.383	.25
68	MP1A	Z	-3.108	.25
69	MP1A	Mx	-.006	.25
70	MP1A	X	5.383	5.75
71	MP1A	Z	-3.108	5.75
72	MP1A	Mx	-.006	5.75
73	MP1B	X	5.981	.25
74	MP1B	Z	-3.453	.25
75	MP1B	Mx	.006	.25
76	MP1B	X	5.981	5.75
77	MP1B	Z	-3.453	5.75
78	MP1B	Mx	.006	5.75
79	MP1C	X	8.021	.25
80	MP1C	Z	-4.631	.25
81	MP1C	Mx	.002	.25
82	MP1C	X	8.021	5.75
83	MP1C	Z	-4.631	5.75
84	MP1C	Mx	.002	5.75
85	MP2A	X	.611	1.27
86	MP2A	Z	-.353	1.27
87	MP2A	Mx	.000255	1.27
88	MP2B	X	.611	1.27
89	MP2B	Z	-.353	1.27
90	MP2B	Mx	.000255	1.27
91	MP2C	X	.611	1.27
92	MP2C	Z	-.353	1.27
93	MP2C	Mx	.000255	1.27
94	MP2A	X	2.508	2.35
95	MP2A	Z	-1.448	2.35
96	MP2A	Mx	.002	2.35
97	MP2B	X	2.687	2.35
98	MP2B	Z	-1.551	2.35
99	MP2B	Mx	-.001	2.35
100	MP2C	X	3.297	2.35
101	MP2C	Z	-1.903	2.35
102	MP2C	Mx	-.000413	2.35
103	MP3A	X	2.202	2.35
104	MP3A	Z	-1.271	2.35
105	MP3A	Mx	.001	2.35
106	MP3B	X	2.447	2.35
107	MP3B	Z	-1.413	2.35
108	MP3B	Mx	-.001	2.35
109	MP3C	X	3.285	2.35
110	MP3C	Z	-1.896	2.35
111	MP3C	Mx	-.000412	2.35

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	1.194	5
2	MP2A	Z	0	5
3	MP2A	Mx	.001	5
4	MP2A	X	1.194	6
5	MP2A	Z	0	6
6	MP2A	Mx	.001	6
7	MP2A	X	1.194	5
8	MP2A	Z	0	5
9	MP2A	Mx	.001	5
10	MP2A	X	1.194	6
11	MP2A	Z	0	6
12	MP2A	Mx	.001	6
13	MP2A	X	7.422	1.15
14	MP2A	Z	0	1.15
15	MP2A	Mx	-.006	1.15
16	MP2A	X	7.422	4.85
17	MP2A	Z	0	4.85
18	MP2A	Mx	-.006	4.85
19	MP2B	X	10.846	1.15
20	MP2B	Z	0	1.15
21	MP2B	Mx	-.005	1.15
22	MP2B	X	10.846	4.85
23	MP2B	Z	0	4.85
24	MP2B	Mx	-.005	4.85
25	MP2C	X	9.697	1.15
26	MP2C	Z	0	1.15
27	MP2C	Mx	.01	1.15
28	MP2C	X	9.697	4.85
29	MP2C	Z	0	4.85
30	MP2C	Mx	.01	4.85
31	MP2A	X	7.422	1.15
32	MP2A	Z	0	1.15
33	MP2A	Mx	-.006	1.15
34	MP2A	X	7.422	4.85
35	MP2A	Z	0	4.85
36	MP2A	Mx	-.006	4.85
37	MP2B	X	10.846	1.15
38	MP2B	Z	0	1.15
39	MP2B	Mx	.01	1.15
40	MP2B	X	10.846	4.85
41	MP2B	Z	0	4.85
42	MP2B	Mx	.01	4.85
43	MP2C	X	9.697	1.15
44	MP2C	Z	0	1.15
45	MP2C	Mx	-.000896	1.15
46	MP2C	X	9.697	4.85
47	MP2C	Z	0	4.85
48	MP2C	Mx	-.000896	4.85
49	MP3A	X	1.674	2
50	MP3A	Z	0	2
51	MP3A	Mx	-.000837	2
52	MP3A	X	1.674	4
53	MP3A	Z	0	4
54	MP3A	Mx	-.000837	4
55	MP3B	X	1.674	2
56	MP3B	Z	0	2
57	MP3B	Mx	-.000837	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3B	X	1.674	4
59	MP3B	Z	0	4
60	MP3B	Mx	-.000837	4
61	MP3C	X	1.674	2
62	MP3C	Z	0	2
63	MP3C	Mx	-.000837	2
64	MP3C	X	1.674	4
65	MP3C	Z	0	4
66	MP3C	Mx	-.000837	4
67	MP1A	X	5.158	.25
68	MP1A	Z	0	.25
69	MP1A	Mx	-.006	.25
70	MP1A	X	5.158	5.75
71	MP1A	Z	0	5.75
72	MP1A	Mx	-.006	5.75
73	MP1B	X	8.894	.25
74	MP1B	Z	0	.25
75	MP1B	Mx	.003	.25
76	MP1B	X	8.894	5.75
77	MP1B	Z	0	5.75
78	MP1B	Mx	.003	5.75
79	MP1C	X	7.641	.25
80	MP1C	Z	0	.25
81	MP1C	Mx	.005	.25
82	MP1C	X	7.641	5.75
83	MP1C	Z	0	5.75
84	MP1C	Mx	.005	5.75
85	MP2A	X	.635	1.27
86	MP2A	Z	0	1.27
87	MP2A	Mx	.000265	1.27
88	MP2B	X	.635	1.27
89	MP2B	Z	0	1.27
90	MP2B	Mx	.000265	1.27
91	MP2C	X	.635	1.27
92	MP2C	Z	0	1.27
93	MP2C	Mx	.000265	1.27
94	MP2A	X	2.58	2.35
95	MP2A	Z	0	2.35
96	MP2A	Mx	.002	2.35
97	MP2B	X	3.697	2.35
98	MP2B	Z	0	2.35
99	MP2B	Mx	-.00079	2.35
100	MP2C	X	3.322	2.35
101	MP2C	Z	0	2.35
102	MP2C	Mx	-.001	2.35
103	MP3A	X	2.109	2.35
104	MP3A	Z	0	2.35
105	MP3A	Mx	.001	2.35
106	MP3B	X	3.642	2.35
107	MP3B	Z	0	2.35
108	MP3B	Mx	-.000779	2.35
109	MP3C	X	3.128	2.35
110	MP3C	Z	0	2.35
111	MP3C	Mx	-.001	2.35

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	1.034	5
2	MP2A	Z	.597	5
3	MP2A	Mx	.000835	5
4	MP2A	X	1.034	6
5	MP2A	Z	.597	6
6	MP2A	Mx	.000835	6
7	MP2A	X	1.034	5
8	MP2A	Z	.597	5
9	MP2A	Mx	.001	5
10	MP2A	X	1.034	6
11	MP2A	Z	.597	6
12	MP2A	Mx	.001	6
13	MP2A	X	7.267	1.15
14	MP2A	Z	4.196	1.15
15	MP2A	Mx	-.002	1.15
16	MP2A	X	7.267	4.85
17	MP2A	Z	4.196	4.85
18	MP2A	Mx	-.002	4.85
19	MP2B	X	9.685	1.15
20	MP2B	Z	5.591	1.15
21	MP2B	Mx	-.01	1.15
22	MP2B	X	9.685	4.85
23	MP2B	Z	5.591	4.85
24	MP2B	Mx	-.01	4.85
25	MP2C	X	6.82	1.15
26	MP2C	Z	3.938	1.15
27	MP2C	Mx	.008	1.15
28	MP2C	X	6.82	4.85
29	MP2C	Z	3.938	4.85
30	MP2C	Mx	.008	4.85
31	MP2A	X	7.267	1.15
32	MP2A	Z	4.196	1.15
33	MP2A	Mx	-.009	1.15
34	MP2A	X	7.267	4.85
35	MP2A	Z	4.196	4.85
36	MP2A	Mx	-.009	4.85
37	MP2B	X	9.685	1.15
38	MP2B	Z	5.591	1.15
39	MP2B	Mx	.007	1.15
40	MP2B	X	9.685	4.85
41	MP2B	Z	5.591	4.85
42	MP2B	Mx	.007	4.85
43	MP2C	X	6.82	1.15
44	MP2C	Z	3.938	1.15
45	MP2C	Mx	.004	1.15
46	MP2C	X	6.82	4.85
47	MP2C	Z	3.938	4.85
48	MP2C	Mx	.004	4.85
49	MP3A	X	2.14	2
50	MP3A	Z	1.236	2
51	MP3A	Mx	-.001	2
52	MP3A	X	2.14	4
53	MP3A	Z	1.236	4
54	MP3A	Mx	-.001	4
55	MP3B	X	2.14	2
56	MP3B	Z	1.236	2
57	MP3B	Mx	-.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3B	X	2.14	4
59	MP3B	Z	1.236	4
60	MP3B	Mx	-.001	4
61	MP3C	X	2.14	2
62	MP3C	Z	1.236	2
63	MP3C	Mx	-.001	2
64	MP3C	X	2.14	4
65	MP3C	Z	1.236	4
66	MP3C	Mx	-.001	4
67	MP1A	X	5.383	.25
68	MP1A	Z	3.108	.25
69	MP1A	Mx	-.006	.25
70	MP1A	X	5.383	5.75
71	MP1A	Z	3.108	5.75
72	MP1A	Mx	-.006	5.75
73	MP1B	X	8.021	.25
74	MP1B	Z	4.631	.25
75	MP1B	Mx	-.002	.25
76	MP1B	X	8.021	5.75
77	MP1B	Z	4.631	5.75
78	MP1B	Mx	-.002	5.75
79	MP1C	X	4.895	.25
80	MP1C	Z	2.826	.25
81	MP1C	Mx	.006	.25
82	MP1C	X	4.895	5.75
83	MP1C	Z	2.826	5.75
84	MP1C	Mx	.006	5.75
85	MP2A	X	.611	1.27
86	MP2A	Z	.353	1.27
87	MP2A	Mx	.000255	1.27
88	MP2B	X	.611	1.27
89	MP2B	Z	.353	1.27
90	MP2B	Mx	.000255	1.27
91	MP2C	X	.611	1.27
92	MP2C	Z	.353	1.27
93	MP2C	Mx	.000255	1.27
94	MP2A	X	2.508	2.35
95	MP2A	Z	1.448	2.35
96	MP2A	Mx	.002	2.35
97	MP2B	X	3.297	2.35
98	MP2B	Z	1.903	2.35
99	MP2B	Mx	.000413	2.35
100	MP2C	X	2.362	2.35
101	MP2C	Z	1.364	2.35
102	MP2C	Mx	-.002	2.35
103	MP3A	X	2.202	2.35
104	MP3A	Z	1.271	2.35
105	MP3A	Mx	.001	2.35
106	MP3B	X	3.285	2.35
107	MP3B	Z	1.896	2.35
108	MP3B	Mx	.000411	2.35
109	MP3C	X	2.002	2.35
110	MP3C	Z	1.156	2.35
111	MP3C	Mx	-.001	2.35

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	.596	5
2	MP2A	Z	1.032	5
3	MP2A	Mx	.000252	5
4	MP2A	X	.596	6
5	MP2A	Z	1.032	6
6	MP2A	Mx	.000252	6
7	MP2A	X	.596	5
8	MP2A	Z	1.032	5
9	MP2A	Mx	.00094	5
10	MP2A	X	.596	6
11	MP2A	Z	1.032	6
12	MP2A	Mx	.00094	6
13	MP2A	X	5.165	1.15
14	MP2A	Z	8.946	1.15
15	MP2A	Mx	.003	1.15
16	MP2A	X	5.165	4.85
17	MP2A	Z	8.946	4.85
18	MP2A	Mx	.003	4.85
19	MP2B	X	4.849	1.15
20	MP2B	Z	8.398	1.15
21	MP2B	Mx	-.01	1.15
22	MP2B	X	4.849	4.85
23	MP2B	Z	8.398	4.85
24	MP2B	Mx	-.01	4.85
25	MP2C	X	3.769	1.15
26	MP2C	Z	6.528	1.15
27	MP2C	Mx	.005	1.15
28	MP2C	X	3.769	4.85
29	MP2C	Z	6.528	4.85
30	MP2C	Mx	.005	4.85
31	MP2A	X	5.165	1.15
32	MP2A	Z	8.946	1.15
33	MP2A	Mx	-.011	1.15
34	MP2A	X	5.165	4.85
35	MP2A	Z	8.946	4.85
36	MP2A	Mx	-.011	4.85
37	MP2B	X	4.849	1.15
38	MP2B	Z	8.398	1.15
39	MP2B	Mx	.000897	1.15
40	MP2B	X	4.849	4.85
41	MP2B	Z	8.398	4.85
42	MP2B	Mx	.000897	4.85
43	MP2C	X	3.769	1.15
44	MP2C	Z	6.528	1.15
45	MP2C	Mx	.007	1.15
46	MP2C	X	3.769	4.85
47	MP2C	Z	6.528	4.85
48	MP2C	Mx	.007	4.85
49	MP3A	X	2.033	2
50	MP3A	Z	3.521	2
51	MP3A	Mx	-.001	2
52	MP3A	X	2.033	4
53	MP3A	Z	3.521	4
54	MP3A	Mx	-.001	4
55	MP3B	X	2.033	2
56	MP3B	Z	3.521	2
57	MP3B	Mx	-.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3B	X	2.033	4
59	MP3B	Z	3.521	4
60	MP3B	Mx	-.001	4
61	MP3C	X	2.033	2
62	MP3C	Z	3.521	2
63	MP3C	Mx	-.001	2
64	MP3C	X	2.033	4
65	MP3C	Z	3.521	4
66	MP3C	Mx	-.001	4
67	MP1A	X	4.166	.25
68	MP1A	Z	7.215	.25
69	MP1A	Mx	-.005	.25
70	MP1A	X	4.166	5.75
71	MP1A	Z	7.215	5.75
72	MP1A	Mx	-.005	5.75
73	MP1B	X	3.82	.25
74	MP1B	Z	6.617	.25
75	MP1B	Mx	-.005	.25
76	MP1B	X	3.82	5.75
77	MP1B	Z	6.617	5.75
78	MP1B	Mx	-.005	5.75
79	MP1C	X	2.643	.25
80	MP1C	Z	4.577	.25
81	MP1C	Mx	.006	.25
82	MP1C	X	2.643	5.75
83	MP1C	Z	4.577	5.75
84	MP1C	Mx	.006	5.75
85	MP2A	X	.424	1.27
86	MP2A	Z	.734	1.27
87	MP2A	Mx	.000177	1.27
88	MP2B	X	.424	1.27
89	MP2B	Z	.734	1.27
90	MP2B	Mx	.000177	1.27
91	MP2C	X	.424	1.27
92	MP2C	Z	.734	1.27
93	MP2C	Mx	.000177	1.27
94	MP2A	X	1.764	2.35
95	MP2A	Z	3.056	2.35
96	MP2A	Mx	.001	2.35
97	MP2B	X	1.661	2.35
98	MP2B	Z	2.877	2.35
99	MP2B	Mx	.001	2.35
100	MP2C	X	1.309	2.35
101	MP2C	Z	2.267	2.35
102	MP2C	Mx	-.002	2.35
103	MP3A	X	1.705	2.35
104	MP3A	Z	2.954	2.35
105	MP3A	Mx	.001	2.35
106	MP3B	X	1.564	2.35
107	MP3B	Z	2.709	2.35
108	MP3B	Mx	.001	2.35
109	MP3C	X	1.08	2.35
110	MP3C	Z	1.871	2.35
111	MP3C	Mx	-.001	2.35

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	5
2	MP2A	Z	1.191	5
3	MP2A	Mx	-.000397	5
4	MP2A	X	0	6
5	MP2A	Z	1.191	6
6	MP2A	Mx	-.000397	6
7	MP2A	X	0	5
8	MP2A	Z	1.191	5
9	MP2A	Mx	.000397	5
10	MP2A	X	0	6
11	MP2A	Z	1.191	6
12	MP2A	Mx	.000397	6
13	MP2A	X	0	1.15
14	MP2A	Z	11.3	1.15
15	MP2A	Mx	.008	1.15
16	MP2A	X	0	4.85
17	MP2A	Z	11.3	4.85
18	MP2A	Mx	.008	4.85
19	MP2B	X	0	1.15
20	MP2B	Z	7.875	1.15
21	MP2B	Mx	-.008	1.15
22	MP2B	X	0	4.85
23	MP2B	Z	7.875	4.85
24	MP2B	Mx	-.008	4.85
25	MP2C	X	0	1.15
26	MP2C	Z	9.024	1.15
27	MP2C	Mx	.000834	1.15
28	MP2C	X	0	4.85
29	MP2C	Z	9.024	4.85
30	MP2C	Mx	.000834	4.85
31	MP2A	X	0	1.15
32	MP2A	Z	11.3	1.15
33	MP2A	Mx	-.008	1.15
34	MP2A	X	0	4.85
35	MP2A	Z	11.3	4.85
36	MP2A	Mx	-.008	4.85
37	MP2B	X	0	1.15
38	MP2B	Z	7.875	1.15
39	MP2B	Mx	-.004	1.15
40	MP2B	X	0	4.85
41	MP2B	Z	7.875	4.85
42	MP2B	Mx	-.004	4.85
43	MP2C	X	0	1.15
44	MP2C	Z	9.024	1.15
45	MP2C	Mx	.01	1.15
46	MP2C	X	0	4.85
47	MP2C	Z	9.024	4.85
48	MP2C	Mx	.01	4.85
49	MP3A	X	0	2
50	MP3A	Z	4.862	2
51	MP3A	Mx	0	2
52	MP3A	X	0	4
53	MP3A	Z	4.862	4
54	MP3A	Mx	0	4
55	MP3B	X	0	2
56	MP3B	Z	4.862	2
57	MP3B	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3B	X	0	4
59	MP3B	Z	4.862	4
60	MP3B	Mx	0	4
61	MP3C	X	0	2
62	MP3C	Z	4.862	2
63	MP3C	Mx	0	2
64	MP3C	X	0	4
65	MP3C	Z	4.862	4
66	MP3C	Mx	0	4
67	MP1A	X	0	.25
68	MP1A	Z	9.39	.25
69	MP1A	Mx	0	.25
70	MP1A	X	0	5.75
71	MP1A	Z	9.39	5.75
72	MP1A	Mx	0	5.75
73	MP1B	X	0	.25
74	MP1B	Z	5.653	.25
75	MP1B	Mx	-.006	.25
76	MP1B	X	0	5.75
77	MP1B	Z	5.653	5.75
78	MP1B	Mx	-.006	5.75
79	MP1C	X	0	.25
80	MP1C	Z	6.906	.25
81	MP1C	Mx	.006	.25
82	MP1C	X	0	5.75
83	MP1C	Z	6.906	5.75
84	MP1C	Mx	.006	5.75
85	MP2A	X	0	1.27
86	MP2A	Z	.918	1.27
87	MP2A	Mx	0	1.27
88	MP2B	X	0	1.27
89	MP2B	Z	.918	1.27
90	MP2B	Mx	0	1.27
91	MP2C	X	0	1.27
92	MP2C	Z	.918	1.27
93	MP2C	Mx	0	1.27
94	MP2A	X	0	2.35
95	MP2A	Z	3.845	2.35
96	MP2A	Mx	0	2.35
97	MP2B	X	0	2.35
98	MP2B	Z	2.728	2.35
99	MP2B	Mx	.002	2.35
100	MP2C	X	0	2.35
101	MP2C	Z	3.103	2.35
102	MP2C	Mx	-.001	2.35
103	MP3A	X	0	2.35
104	MP3A	Z	3.845	2.35
105	MP3A	Mx	0	2.35
106	MP3B	X	0	2.35
107	MP3B	Z	2.312	2.35
108	MP3B	Mx	.001	2.35
109	MP3C	X	0	2.35
110	MP3C	Z	2.826	2.35
111	MP3C	Mx	-.001	2.35

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-.596	5
2	MP2A	Z	1.032	5
3	MP2A	Mx	-.00094	5
4	MP2A	X	-.596	6
5	MP2A	Z	1.032	6
6	MP2A	Mx	-.00094	6
7	MP2A	X	-.596	5
8	MP2A	Z	1.032	5
9	MP2A	Mx	-.000252	5
10	MP2A	X	-.596	6
11	MP2A	Z	1.032	6
12	MP2A	Mx	-.000252	6
13	MP2A	X	-5.165	1.15
14	MP2A	Z	8.946	1.15
15	MP2A	Mx	.011	1.15
16	MP2A	X	-5.165	4.85
17	MP2A	Z	8.946	4.85
18	MP2A	Mx	.011	4.85
19	MP2B	X	-3.769	1.15
20	MP2B	Z	6.528	1.15
21	MP2B	Mx	-.005	1.15
22	MP2B	X	-3.769	4.85
23	MP2B	Z	6.528	4.85
24	MP2B	Mx	-.005	4.85
25	MP2C	X	-5.423	1.15
26	MP2C	Z	9.393	1.15
27	MP2C	Mx	-.005	1.15
28	MP2C	X	-5.423	4.85
29	MP2C	Z	9.393	4.85
30	MP2C	Mx	-.005	4.85
31	MP2A	X	-5.165	1.15
32	MP2A	Z	8.946	1.15
33	MP2A	Mx	-.003	1.15
34	MP2A	X	-5.165	4.85
35	MP2A	Z	8.946	4.85
36	MP2A	Mx	-.003	4.85
37	MP2B	X	-3.769	1.15
38	MP2B	Z	6.528	1.15
39	MP2B	Mx	-.007	1.15
40	MP2B	X	-3.769	4.85
41	MP2B	Z	6.528	4.85
42	MP2B	Mx	-.007	4.85
43	MP2C	X	-5.423	1.15
44	MP2C	Z	9.393	1.15
45	MP2C	Mx	.01	1.15
46	MP2C	X	-5.423	4.85
47	MP2C	Z	9.393	4.85
48	MP2C	Mx	.01	4.85
49	MP3A	X	-2.033	2
50	MP3A	Z	3.521	2
51	MP3A	Mx	.001	2
52	MP3A	X	-2.033	4
53	MP3A	Z	3.521	4
54	MP3A	Mx	.001	4
55	MP3B	X	-2.033	2
56	MP3B	Z	3.521	2
57	MP3B	Mx	.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3B	X	-2.033	4
59	MP3B	Z	3.521	4
60	MP3B	Mx	.001	4
61	MP3C	X	-2.033	2
62	MP3C	Z	3.521	2
63	MP3C	Mx	.001	2
64	MP3C	X	-2.033	4
65	MP3C	Z	3.521	4
66	MP3C	Mx	.001	4
67	MP1A	X	-4.166	.25
68	MP1A	Z	7.215	.25
69	MP1A	Mx	.005	.25
70	MP1A	X	-4.166	5.75
71	MP1A	Z	7.215	5.75
72	MP1A	Mx	.005	5.75
73	MP1B	X	-2.643	.25
74	MP1B	Z	4.577	.25
75	MP1B	Mx	-.006	.25
76	MP1B	X	-2.643	5.75
77	MP1B	Z	4.577	5.75
78	MP1B	Mx	-.006	5.75
79	MP1C	X	-4.447	.25
80	MP1C	Z	7.703	.25
81	MP1C	Mx	.003	.25
82	MP1C	X	-4.447	5.75
83	MP1C	Z	7.703	5.75
84	MP1C	Mx	.003	5.75
85	MP2A	X	-.424	1.27
86	MP2A	Z	.734	1.27
87	MP2A	Mx	-.000177	1.27
88	MP2B	X	-.424	1.27
89	MP2B	Z	.734	1.27
90	MP2B	Mx	-.000177	1.27
91	MP2C	X	-.424	1.27
92	MP2C	Z	.734	1.27
93	MP2C	Mx	-.000177	1.27
94	MP2A	X	-1.764	2.35
95	MP2A	Z	3.056	2.35
96	MP2A	Mx	-.001	2.35
97	MP2B	X	-1.309	2.35
98	MP2B	Z	2.267	2.35
99	MP2B	Mx	.002	2.35
100	MP2C	X	-1.849	2.35
101	MP2C	Z	3.202	2.35
102	MP2C	Mx	-.00079	2.35
103	MP3A	X	-1.705	2.35
104	MP3A	Z	2.954	2.35
105	MP3A	Mx	-.001	2.35
106	MP3B	X	-1.08	2.35
107	MP3B	Z	1.871	2.35
108	MP3B	Mx	.001	2.35
109	MP3C	X	-1.821	2.35
110	MP3C	Z	3.154	2.35
111	MP3C	Mx	-.000778	2.35

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-1.034	5
2	MP2A	Z	.597	5
3	MP2A	Mx	-.001	5
4	MP2A	X	-1.034	6
5	MP2A	Z	.597	6
6	MP2A	Mx	-.001	6
7	MP2A	X	-1.034	5
8	MP2A	Z	.597	5
9	MP2A	Mx	-.000835	5
10	MP2A	X	-1.034	6
11	MP2A	Z	.597	6
12	MP2A	Mx	-.000835	6
13	MP2A	X	-7.267	1.15
14	MP2A	Z	4.196	1.15
15	MP2A	Mx	.009	1.15
16	MP2A	X	-7.267	4.85
17	MP2A	Z	4.196	4.85
18	MP2A	Mx	.009	4.85
19	MP2B	X	-7.815	1.15
20	MP2B	Z	4.512	1.15
21	MP2B	Mx	-.000834	1.15
22	MP2B	X	-7.815	4.85
23	MP2B	Z	4.512	4.85
24	MP2B	Mx	-.000834	4.85
25	MP2C	X	-9.685	1.15
26	MP2C	Z	5.591	1.15
27	MP2C	Mx	-.01	1.15
28	MP2C	X	-9.685	4.85
29	MP2C	Z	5.591	4.85
30	MP2C	Mx	-.01	4.85
31	MP2A	X	-7.267	1.15
32	MP2A	Z	4.196	1.15
33	MP2A	Mx	.002	1.15
34	MP2A	X	-7.267	4.85
35	MP2A	Z	4.196	4.85
36	MP2A	Mx	.002	4.85
37	MP2B	X	-7.815	1.15
38	MP2B	Z	4.512	1.15
39	MP2B	Mx	-.01	1.15
40	MP2B	X	-7.815	4.85
41	MP2B	Z	4.512	4.85
42	MP2B	Mx	-.01	4.85
43	MP2C	X	-9.685	1.15
44	MP2C	Z	5.591	1.15
45	MP2C	Mx	.007	1.15
46	MP2C	X	-9.685	4.85
47	MP2C	Z	5.591	4.85
48	MP2C	Mx	.007	4.85
49	MP3A	X	-2.14	2
50	MP3A	Z	1.236	2
51	MP3A	Mx	.001	2
52	MP3A	X	-2.14	4
53	MP3A	Z	1.236	4
54	MP3A	Mx	.001	4
55	MP3B	X	-2.14	2
56	MP3B	Z	1.236	2
57	MP3B	Mx	.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3B	X	-2.14	4
59	MP3B	Z	1.236	4
60	MP3B	Mx	.001	4
61	MP3C	X	-2.14	2
62	MP3C	Z	1.236	2
63	MP3C	Mx	.001	2
64	MP3C	X	-2.14	4
65	MP3C	Z	1.236	4
66	MP3C	Mx	.001	4
67	MP1A	X	-5.383	.25
68	MP1A	Z	3.108	.25
69	MP1A	Mx	.006	.25
70	MP1A	X	-5.383	5.75
71	MP1A	Z	3.108	5.75
72	MP1A	Mx	.006	5.75
73	MP1B	X	-5.981	.25
74	MP1B	Z	3.453	.25
75	MP1B	Mx	-.006	.25
76	MP1B	X	-5.981	5.75
77	MP1B	Z	3.453	5.75
78	MP1B	Mx	-.006	5.75
79	MP1C	X	-8.021	.25
80	MP1C	Z	4.631	.25
81	MP1C	Mx	-.002	.25
82	MP1C	X	-8.021	5.75
83	MP1C	Z	4.631	5.75
84	MP1C	Mx	-.002	5.75
85	MP2A	X	-.611	1.27
86	MP2A	Z	.353	1.27
87	MP2A	Mx	-.000255	1.27
88	MP2B	X	-.611	1.27
89	MP2B	Z	.353	1.27
90	MP2B	Mx	-.000255	1.27
91	MP2C	X	-.611	1.27
92	MP2C	Z	.353	1.27
93	MP2C	Mx	-.000255	1.27
94	MP2A	X	-2.508	2.35
95	MP2A	Z	1.448	2.35
96	MP2A	Mx	-.002	2.35
97	MP2B	X	-2.687	2.35
98	MP2B	Z	1.551	2.35
99	MP2B	Mx	.001	2.35
100	MP2C	X	-3.297	2.35
101	MP2C	Z	1.903	2.35
102	MP2C	Mx	.000413	2.35
103	MP3A	X	-2.202	2.35
104	MP3A	Z	1.271	2.35
105	MP3A	Mx	-.001	2.35
106	MP3B	X	-2.447	2.35
107	MP3B	Z	1.413	2.35
108	MP3B	Mx	.001	2.35
109	MP3C	X	-3.285	2.35
110	MP3C	Z	1.896	2.35
111	MP3C	Mx	.000412	2.35

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-1.194	5
2	MP2A	Z	0	5
3	MP2A	Mx	-.001	5
4	MP2A	X	-1.194	6
5	MP2A	Z	0	6
6	MP2A	Mx	-.001	6
7	MP2A	X	-1.194	5
8	MP2A	Z	0	5
9	MP2A	Mx	-.001	5
10	MP2A	X	-1.194	6
11	MP2A	Z	0	6
12	MP2A	Mx	-.001	6
13	MP2A	X	-7.422	1.15
14	MP2A	Z	0	1.15
15	MP2A	Mx	.006	1.15
16	MP2A	X	-7.422	4.85
17	MP2A	Z	0	4.85
18	MP2A	Mx	.006	4.85
19	MP2B	X	-10.846	1.15
20	MP2B	Z	0	1.15
21	MP2B	Mx	.005	1.15
22	MP2B	X	-10.846	4.85
23	MP2B	Z	0	4.85
24	MP2B	Mx	.005	4.85
25	MP2C	X	-9.697	1.15
26	MP2C	Z	0	1.15
27	MP2C	Mx	-.01	1.15
28	MP2C	X	-9.697	4.85
29	MP2C	Z	0	4.85
30	MP2C	Mx	-.01	4.85
31	MP2A	X	-7.422	1.15
32	MP2A	Z	0	1.15
33	MP2A	Mx	.006	1.15
34	MP2A	X	-7.422	4.85
35	MP2A	Z	0	4.85
36	MP2A	Mx	.006	4.85
37	MP2B	X	-10.846	1.15
38	MP2B	Z	0	1.15
39	MP2B	Mx	-.01	1.15
40	MP2B	X	-10.846	4.85
41	MP2B	Z	0	4.85
42	MP2B	Mx	-.01	4.85
43	MP2C	X	-9.697	1.15
44	MP2C	Z	0	1.15
45	MP2C	Mx	.000896	1.15
46	MP2C	X	-9.697	4.85
47	MP2C	Z	0	4.85
48	MP2C	Mx	.000896	4.85
49	MP3A	X	-1.674	2
50	MP3A	Z	0	2
51	MP3A	Mx	.000837	2
52	MP3A	X	-1.674	4
53	MP3A	Z	0	4
54	MP3A	Mx	.000837	4
55	MP3B	X	-1.674	2
56	MP3B	Z	0	2
57	MP3B	Mx	.000837	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3B	X	-1.674	4
59	MP3B	Z	0	4
60	MP3B	Mx	.000837	4
61	MP3C	X	-1.674	2
62	MP3C	Z	0	2
63	MP3C	Mx	.000837	2
64	MP3C	X	-1.674	4
65	MP3C	Z	0	4
66	MP3C	Mx	.000837	4
67	MP1A	X	-5.158	.25
68	MP1A	Z	0	.25
69	MP1A	Mx	.006	.25
70	MP1A	X	-5.158	5.75
71	MP1A	Z	0	5.75
72	MP1A	Mx	.006	5.75
73	MP1B	X	-8.894	.25
74	MP1B	Z	0	.25
75	MP1B	Mx	-.003	.25
76	MP1B	X	-8.894	5.75
77	MP1B	Z	0	5.75
78	MP1B	Mx	-.003	5.75
79	MP1C	X	-7.641	.25
80	MP1C	Z	0	.25
81	MP1C	Mx	-.005	.25
82	MP1C	X	-7.641	5.75
83	MP1C	Z	0	5.75
84	MP1C	Mx	-.005	5.75
85	MP2A	X	-.635	1.27
86	MP2A	Z	0	1.27
87	MP2A	Mx	-.000265	1.27
88	MP2B	X	-.635	1.27
89	MP2B	Z	0	1.27
90	MP2B	Mx	-.000265	1.27
91	MP2C	X	-.635	1.27
92	MP2C	Z	0	1.27
93	MP2C	Mx	-.000265	1.27
94	MP2A	X	-2.58	2.35
95	MP2A	Z	0	2.35
96	MP2A	Mx	-.002	2.35
97	MP2B	X	-3.697	2.35
98	MP2B	Z	0	2.35
99	MP2B	Mx	.00079	2.35
100	MP2C	X	-3.322	2.35
101	MP2C	Z	0	2.35
102	MP2C	Mx	.001	2.35
103	MP3A	X	-2.109	2.35
104	MP3A	Z	0	2.35
105	MP3A	Mx	-.001	2.35
106	MP3B	X	-3.642	2.35
107	MP3B	Z	0	2.35
108	MP3B	Mx	.000779	2.35
109	MP3C	X	-3.128	2.35
110	MP3C	Z	0	2.35
111	MP3C	Mx	.001	2.35

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-1.034	5
2	MP2A	Z	-.597	5
3	MP2A	Mx	-.000835	5
4	MP2A	X	-1.034	6
5	MP2A	Z	-.597	6
6	MP2A	Mx	-.000835	6
7	MP2A	X	-1.034	5
8	MP2A	Z	-.597	5
9	MP2A	Mx	-.001	5
10	MP2A	X	-1.034	6
11	MP2A	Z	-.597	6
12	MP2A	Mx	-.001	6
13	MP2A	X	-7.267	1.15
14	MP2A	Z	-4.196	1.15
15	MP2A	Mx	.002	1.15
16	MP2A	X	-7.267	4.85
17	MP2A	Z	-4.196	4.85
18	MP2A	Mx	.002	4.85
19	MP2B	X	-9.685	1.15
20	MP2B	Z	-5.591	1.15
21	MP2B	Mx	.01	1.15
22	MP2B	X	-9.685	4.85
23	MP2B	Z	-5.591	4.85
24	MP2B	Mx	.01	4.85
25	MP2C	X	-6.82	1.15
26	MP2C	Z	-3.938	1.15
27	MP2C	Mx	-.008	1.15
28	MP2C	X	-6.82	4.85
29	MP2C	Z	-3.938	4.85
30	MP2C	Mx	-.008	4.85
31	MP2A	X	-7.267	1.15
32	MP2A	Z	-4.196	1.15
33	MP2A	Mx	.009	1.15
34	MP2A	X	-7.267	4.85
35	MP2A	Z	-4.196	4.85
36	MP2A	Mx	.009	4.85
37	MP2B	X	-9.685	1.15
38	MP2B	Z	-5.591	1.15
39	MP2B	Mx	-.007	1.15
40	MP2B	X	-9.685	4.85
41	MP2B	Z	-5.591	4.85
42	MP2B	Mx	-.007	4.85
43	MP2C	X	-6.82	1.15
44	MP2C	Z	-3.938	1.15
45	MP2C	Mx	-.004	1.15
46	MP2C	X	-6.82	4.85
47	MP2C	Z	-3.938	4.85
48	MP2C	Mx	-.004	4.85
49	MP3A	X	-2.14	2
50	MP3A	Z	-1.236	2
51	MP3A	Mx	.001	2
52	MP3A	X	-2.14	4
53	MP3A	Z	-1.236	4
54	MP3A	Mx	.001	4
55	MP3B	X	-2.14	2
56	MP3B	Z	-1.236	2
57	MP3B	Mx	.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3B	X	-2.14	4
59	MP3B	Z	-1.236	4
60	MP3B	Mx	.001	4
61	MP3C	X	-2.14	2
62	MP3C	Z	-1.236	2
63	MP3C	Mx	.001	2
64	MP3C	X	-2.14	4
65	MP3C	Z	-1.236	4
66	MP3C	Mx	.001	4
67	MP1A	X	-5.383	.25
68	MP1A	Z	-3.108	.25
69	MP1A	Mx	.006	.25
70	MP1A	X	-5.383	5.75
71	MP1A	Z	-3.108	5.75
72	MP1A	Mx	.006	5.75
73	MP1B	X	-8.021	.25
74	MP1B	Z	-4.631	.25
75	MP1B	Mx	.002	.25
76	MP1B	X	-8.021	5.75
77	MP1B	Z	-4.631	5.75
78	MP1B	Mx	.002	5.75
79	MP1C	X	-4.895	.25
80	MP1C	Z	-2.826	.25
81	MP1C	Mx	-.006	.25
82	MP1C	X	-4.895	5.75
83	MP1C	Z	-2.826	5.75
84	MP1C	Mx	-.006	5.75
85	MP2A	X	-.611	1.27
86	MP2A	Z	-.353	1.27
87	MP2A	Mx	-.000255	1.27
88	MP2B	X	-.611	1.27
89	MP2B	Z	-.353	1.27
90	MP2B	Mx	-.000255	1.27
91	MP2C	X	-.611	1.27
92	MP2C	Z	-.353	1.27
93	MP2C	Mx	-.000255	1.27
94	MP2A	X	-2.508	2.35
95	MP2A	Z	-1.448	2.35
96	MP2A	Mx	-.002	2.35
97	MP2B	X	-3.297	2.35
98	MP2B	Z	-1.903	2.35
99	MP2B	Mx	-.000413	2.35
100	MP2C	X	-2.362	2.35
101	MP2C	Z	-1.364	2.35
102	MP2C	Mx	.002	2.35
103	MP3A	X	-2.202	2.35
104	MP3A	Z	-1.271	2.35
105	MP3A	Mx	-.001	2.35
106	MP3B	X	-3.285	2.35
107	MP3B	Z	-1.896	2.35
108	MP3B	Mx	-.000411	2.35
109	MP3C	X	-2.002	2.35
110	MP3C	Z	-1.156	2.35
111	MP3C	Mx	.001	2.35

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-.596	5
2	MP2A	Z	-1.032	5
3	MP2A	Mx	-.000252	5
4	MP2A	X	-.596	6
5	MP2A	Z	-1.032	6
6	MP2A	Mx	-.000252	6
7	MP2A	X	-.596	5
8	MP2A	Z	-1.032	5
9	MP2A	Mx	-.00094	5
10	MP2A	X	-.596	6
11	MP2A	Z	-1.032	6
12	MP2A	Mx	-.00094	6
13	MP2A	X	-5.165	1.15
14	MP2A	Z	-8.946	1.15
15	MP2A	Mx	-.003	1.15
16	MP2A	X	-5.165	4.85
17	MP2A	Z	-8.946	4.85
18	MP2A	Mx	-.003	4.85
19	MP2B	X	-4.849	1.15
20	MP2B	Z	-8.398	1.15
21	MP2B	Mx	.01	1.15
22	MP2B	X	-4.849	4.85
23	MP2B	Z	-8.398	4.85
24	MP2B	Mx	.01	4.85
25	MP2C	X	-3.769	1.15
26	MP2C	Z	-6.528	1.15
27	MP2C	Mx	-.005	1.15
28	MP2C	X	-3.769	4.85
29	MP2C	Z	-6.528	4.85
30	MP2C	Mx	-.005	4.85
31	MP2A	X	-5.165	1.15
32	MP2A	Z	-8.946	1.15
33	MP2A	Mx	.011	1.15
34	MP2A	X	-5.165	4.85
35	MP2A	Z	-8.946	4.85
36	MP2A	Mx	.011	4.85
37	MP2B	X	-4.849	1.15
38	MP2B	Z	-8.398	1.15
39	MP2B	Mx	-.000897	1.15
40	MP2B	X	-4.849	4.85
41	MP2B	Z	-8.398	4.85
42	MP2B	Mx	-.000897	4.85
43	MP2C	X	-3.769	1.15
44	MP2C	Z	-6.528	1.15
45	MP2C	Mx	-.007	1.15
46	MP2C	X	-3.769	4.85
47	MP2C	Z	-6.528	4.85
48	MP2C	Mx	-.007	4.85
49	MP3A	X	-2.033	2
50	MP3A	Z	-3.521	2
51	MP3A	Mx	.001	2
52	MP3A	X	-2.033	4
53	MP3A	Z	-3.521	4
54	MP3A	Mx	.001	4
55	MP3B	X	-2.033	2
56	MP3B	Z	-3.521	2
57	MP3B	Mx	.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3B	X	-2.033	4
59	MP3B	Z	-3.521	4
60	MP3B	Mx	.001	4
61	MP3C	X	-2.033	2
62	MP3C	Z	-3.521	2
63	MP3C	Mx	.001	2
64	MP3C	X	-2.033	4
65	MP3C	Z	-3.521	4
66	MP3C	Mx	.001	4
67	MP1A	X	-4.166	.25
68	MP1A	Z	-7.215	.25
69	MP1A	Mx	.005	.25
70	MP1A	X	-4.166	5.75
71	MP1A	Z	-7.215	5.75
72	MP1A	Mx	.005	5.75
73	MP1B	X	-3.82	.25
74	MP1B	Z	-6.617	.25
75	MP1B	Mx	.005	.25
76	MP1B	X	-3.82	5.75
77	MP1B	Z	-6.617	5.75
78	MP1B	Mx	.005	5.75
79	MP1C	X	-2.643	.25
80	MP1C	Z	-4.577	.25
81	MP1C	Mx	-.006	.25
82	MP1C	X	-2.643	5.75
83	MP1C	Z	-4.577	5.75
84	MP1C	Mx	-.006	5.75
85	MP2A	X	-.424	1.27
86	MP2A	Z	-.734	1.27
87	MP2A	Mx	-.000177	1.27
88	MP2B	X	-.424	1.27
89	MP2B	Z	-.734	1.27
90	MP2B	Mx	-.000177	1.27
91	MP2C	X	-.424	1.27
92	MP2C	Z	-.734	1.27
93	MP2C	Mx	-.000177	1.27
94	MP2A	X	-1.764	2.35
95	MP2A	Z	-3.056	2.35
96	MP2A	Mx	-.001	2.35
97	MP2B	X	-1.661	2.35
98	MP2B	Z	-2.877	2.35
99	MP2B	Mx	-.001	2.35
100	MP2C	X	-1.309	2.35
101	MP2C	Z	-2.267	2.35
102	MP2C	Mx	.002	2.35
103	MP3A	X	-1.705	2.35
104	MP3A	Z	-2.954	2.35
105	MP3A	Mx	-.001	2.35
106	MP3B	X	-1.564	2.35
107	MP3B	Z	-2.709	2.35
108	MP3B	Mx	-.001	2.35
109	MP3C	X	-1.08	2.35
110	MP3C	Z	-1.871	2.35
111	MP3C	Mx	.001	2.35

Member Point Loads (BLC 77 : Lm1)

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M77	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M82	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M3	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M3	Y	-250	%100

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	0	5
2	MP2A	My	0	5
3	MP2A	Mz	0	5
4	MP2A	Y	0	6
5	MP2A	My	0	6
6	MP2A	Mz	0	6
7	MP2A	Y	0	5
8	MP2A	My	0	5
9	MP2A	Mz	0	5
10	MP2A	Y	0	6
11	MP2A	My	0	6
12	MP2A	Mz	0	6
13	MP2A	Y	0	1.15
14	MP2A	My	0	1.15
15	MP2A	Mz	0	1.15
16	MP2A	Y	0	4.85
17	MP2A	My	0	4.85
18	MP2A	Mz	0	4.85
19	MP2B	Y	0	1.15
20	MP2B	My	0	1.15
21	MP2B	Mz	0	1.15
22	MP2B	Y	0	4.85
23	MP2B	My	0	4.85
24	MP2B	Mz	0	4.85
25	MP2C	Y	0	1.15
26	MP2C	My	0	1.15
27	MP2C	Mz	0	1.15
28	MP2C	Y	0	4.85
29	MP2C	My	0	4.85
30	MP2C	Mz	0	4.85
31	MP2A	Y	0	1.15
32	MP2A	My	0	1.15
33	MP2A	Mz	0	1.15
34	MP2A	Y	0	4.85
35	MP2A	My	0	4.85
36	MP2A	Mz	0	4.85
37	MP2B	Y	0	1.15
38	MP2B	My	0	1.15
39	MP2B	Mz	0	1.15

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP2B	Y	0	4.85
41	MP2B	My	0	4.85
42	MP2B	Mz	0	4.85
43	MP2C	Y	0	1.15
44	MP2C	My	0	1.15
45	MP2C	Mz	0	1.15
46	MP2C	Y	0	4.85
47	MP2C	My	0	4.85
48	MP2C	Mz	0	4.85
49	MP3A	Y	0	2
50	MP3A	My	0	2
51	MP3A	Mz	0	2
52	MP3A	Y	0	4
53	MP3A	My	0	4
54	MP3A	Mz	0	4
55	MP3B	Y	0	2
56	MP3B	My	0	2
57	MP3B	Mz	0	2
58	MP3B	Y	0	4
59	MP3B	My	0	4
60	MP3B	Mz	0	4
61	MP3C	Y	0	2
62	MP3C	My	0	2
63	MP3C	Mz	0	2
64	MP3C	Y	0	4
65	MP3C	My	0	4
66	MP3C	Mz	0	4
67	MP1A	Y	0	.25
68	MP1A	My	0	.25
69	MP1A	Mz	0	.25
70	MP1A	Y	0	5.75
71	MP1A	My	0	5.75
72	MP1A	Mz	0	5.75
73	MP1B	Y	0	.25
74	MP1B	My	0	.25
75	MP1B	Mz	0	.25
76	MP1B	Y	0	5.75
77	MP1B	My	0	5.75
78	MP1B	Mz	0	5.75
79	MP1C	Y	0	.25
80	MP1C	My	0	.25
81	MP1C	Mz	0	.25
82	MP1C	Y	0	5.75
83	MP1C	My	0	5.75
84	MP1C	Mz	0	5.75
85	MP2A	Y	0	1.27
86	MP2A	My	0	1.27
87	MP2A	Mz	0	1.27
88	MP2B	Y	0	1.27
89	MP2B	My	0	1.27
90	MP2B	Mz	0	1.27
91	MP2C	Y	0	1.27
92	MP2C	My	0	1.27
93	MP2C	Mz	0	1.27
94	MP2A	Y	0	2.35
95	MP2A	My	0	2.35
96	MP2A	Mz	0	2.35

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
97	MP2B	Y	0	2.35
98	MP2B	My	0	2.35
99	MP2B	Mz	0	2.35
100	MP2C	Y	0	2.35
101	MP2C	My	0	2.35
102	MP2C	Mz	0	2.35
103	MP3A	Y	0	2.35
104	MP3A	My	0	2.35
105	MP3A	Mz	0	2.35
106	MP3B	Y	0	2.35
107	MP3B	My	0	2.35
108	MP3B	Mz	0	2.35
109	MP3C	Y	0	2.35
110	MP3C	My	0	2.35
111	MP3C	Mz	0	2.35

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Z	-.264	5
2	MP2A	Mx	8.8e-5	5
3	MP2A	Z	-.264	6
4	MP2A	Mx	8.8e-5	6
5	MP2A	Z	-.264	5
6	MP2A	Mx	-8.8e-5	5
7	MP2A	Z	-.264	6
8	MP2A	Mx	-8.8e-5	6
9	MP2A	Z	-.95	1.15
10	MP2A	Mx	-.000712	1.15
11	MP2A	Z	-.95	4.85
12	MP2A	Mx	-.000712	4.85
13	MP2B	Z	-.95	1.15
14	MP2B	Mx	.000913	1.15
15	MP2B	Z	-.95	4.85
16	MP2B	Mx	.000913	4.85
17	MP2C	Z	-.95	1.15
18	MP2C	Mx	-8.8e-5	1.15
19	MP2C	Z	-.95	4.85
20	MP2C	Mx	-8.8e-5	4.85
21	MP2A	Z	-.95	1.15
22	MP2A	Mx	.000712	1.15
23	MP2A	Z	-.95	4.85
24	MP2A	Mx	.000712	4.85
25	MP2B	Z	-.95	1.15
26	MP2B	Mx	.000426	1.15
27	MP2B	Z	-.95	4.85
28	MP2B	Mx	.000426	4.85
29	MP2C	Z	-.95	1.15
30	MP2C	Mx	-.001	1.15
31	MP2C	Z	-.95	4.85
32	MP2C	Mx	-.001	4.85
33	MP3A	Z	-1.306	2
34	MP3A	Mx	0	2
35	MP3A	Z	-1.306	4
36	MP3A	Mx	0	4
37	MP3B	Z	-1.306	2
38	MP3B	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	MP3B	Z	-1.306	4
40	MP3B	Mx	0	4
41	MP3C	Z	-1.306	2
42	MP3C	Mx	0	2
43	MP3C	Z	-1.306	4
44	MP3C	Mx	0	4
45	MP1A	Z	-.255	.25
46	MP1A	Mx	0	.25
47	MP1A	Z	-.255	5.75
48	MP1A	Mx	0	5.75
49	MP1B	Z	-.255	.25
50	MP1B	Mx	.00026	.25
51	MP1B	Z	-.255	5.75
52	MP1B	Mx	.00026	5.75
53	MP1C	Z	-.255	.25
54	MP1C	Mx	-.000212	.25
55	MP1C	Z	-.255	5.75
56	MP1C	Mx	-.000212	5.75
57	MP2A	Z	-.312	1.27
58	MP2A	Mx	0	1.27
59	MP2B	Z	-.312	1.27
60	MP2B	Mx	0	1.27
61	MP2C	Z	-.312	1.27
62	MP2C	Mx	0	1.27
63	MP2A	Z	-2.532	2.35
64	MP2A	Mx	0	2.35
65	MP2B	Z	-2.532	2.35
66	MP2B	Mx	-.001	2.35
67	MP2C	Z	-2.532	2.35
68	MP2C	Mx	.001	2.35
69	MP3A	Z	-2.109	2.35
70	MP3A	Mx	0	2.35
71	MP3B	Z	-2.109	2.35
72	MP3B	Mx	-.001	2.35
73	MP3C	Z	-2.109	2.35
74	MP3C	Mx	.001	2.35

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	.264	5
2	MP2A	Mx	.000264	5
3	MP2A	X	.264	6
4	MP2A	Mx	.000264	6
5	MP2A	X	.264	5
6	MP2A	Mx	.000264	5
7	MP2A	X	.264	6
8	MP2A	Mx	.000264	6
9	MP2A	X	.95	1.15
10	MP2A	Mx	-.000712	1.15
11	MP2A	X	.95	4.85
12	MP2A	Mx	-.000712	4.85
13	MP2B	X	.95	1.15
14	MP2B	Mx	-.000426	1.15
15	MP2B	X	.95	4.85
16	MP2B	Mx	-.000426	4.85
17	MP2C	X	.95	1.15

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2C	Mx	.001	1.15
19	MP2C	X	.95	4.85
20	MP2C	Mx	.001	4.85
21	MP2A	X	.95	1.15
22	MP2A	Mx	-.000712	1.15
23	MP2A	X	.95	4.85
24	MP2A	Mx	-.000712	4.85
25	MP2B	X	.95	1.15
26	MP2B	Mx	.000913	1.15
27	MP2B	X	.95	4.85
28	MP2B	Mx	.000913	4.85
29	MP2C	X	.95	1.15
30	MP2C	Mx	-8.8e-5	1.15
31	MP2C	X	.95	4.85
32	MP2C	Mx	-8.8e-5	4.85
33	MP3A	X	1.306	2
34	MP3A	Mx	-.000653	2
35	MP3A	X	1.306	4
36	MP3A	Mx	-.000653	4
37	MP3B	X	1.306	2
38	MP3B	Mx	-.000653	2
39	MP3B	X	1.306	4
40	MP3B	Mx	-.000653	4
41	MP3C	X	1.306	2
42	MP3C	Mx	-.000653	2
43	MP3C	X	1.306	4
44	MP3C	Mx	-.000653	4
45	MP1A	X	.255	.25
46	MP1A	Mx	-.000276	.25
47	MP1A	X	.255	5.75
48	MP1A	Mx	-.000276	5.75
49	MP1B	X	.255	.25
50	MP1B	Mx	9.4e-5	.25
51	MP1B	X	.255	5.75
52	MP1B	Mx	9.4e-5	5.75
53	MP1C	X	.255	.25
54	MP1C	Mx	.000178	.25
55	MP1C	X	.255	5.75
56	MP1C	Mx	.000178	5.75
57	MP2A	X	.312	1.27
58	MP2A	Mx	.00013	1.27
59	MP2B	X	.312	1.27
60	MP2B	Mx	.00013	1.27
61	MP2C	X	.312	1.27
62	MP2C	Mx	.00013	1.27
63	MP2A	X	2.532	2.35
64	MP2A	Mx	.002	2.35
65	MP2B	X	2.532	2.35
66	MP2B	Mx	-.000541	2.35
67	MP2C	X	2.532	2.35
68	MP2C	Mx	-.001	2.35
69	MP3A	X	2.109	2.35
70	MP3A	Mx	.001	2.35
71	MP3B	X	2.109	2.35
72	MP3B	Mx	-.000451	2.35
73	MP3C	X	2.109	2.35
74	MP3C	Mx	-.000847	2.35

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-6.292	-6.292	0	%100
2	M2	Y	-12.459	-12.459	0	%100
3	M3	Y	-6.292	-6.292	0	%100
4	M4	Y	-12.459	-12.459	0	%100
5	M5	Y	-6.292	-6.292	0	%100
6	M6	Y	-12.459	-12.459	0	%100
7	M7	Y	-6.984	-6.984	0	%100
8	M13	Y	-5.376	-5.376	0	%100
9	M14	Y	-5.376	-5.376	0	%100
10	M21	Y	-6.984	-6.984	0	%100
11	M27	Y	-5.376	-5.376	0	%100
12	M28	Y	-5.376	-5.376	0	%100
13	M35	Y	-6.984	-6.984	0	%100
14	M41	Y	-5.376	-5.376	0	%100
15	M42	Y	-5.376	-5.376	0	%100
16	M48	Y	-9.232	-9.232	0	%100
17	M49	Y	-9.232	-9.232	0	%100
18	M53	Y	-9.232	-9.232	0	%100
19	M54	Y	-9.232	-9.232	0	%100
20	M59	Y	-9.232	-9.232	0	%100
21	M60	Y	-9.232	-9.232	0	%100
22	M62	Y	-9.232	-9.232	0	%100
23	M64	Y	-9.232	-9.232	0	%100
24	M66	Y	-9.232	-9.232	0	%100
25	M100	Y	-4.758	-4.758	0	%100
26	M101	Y	-4.758	-4.758	0	%100
27	M102	Y	-4.758	-4.758	0	%100
28	M105	Y	-6.34	-6.34	0	%100
29	M108	Y	-6.34	-6.34	0	%100
30	M111	Y	-6.34	-6.34	0	%100
31	M134A	Y	-12.511	-12.511	0	%100
32	M135A	Y	-6.984	-6.984	0	%100
33	M136	Y	-6.984	-6.984	0	%100
34	M131A	Y	-6.984	-6.984	0	%100
35	M132A	Y	-6.984	-6.984	0	%100
36	M135B	Y	-6.984	-6.984	0	%100
37	M136A	Y	-6.984	-6.984	0	%100
38	MP1A	Y	-4.758	-4.758	0	%100
39	M97	Y	-6.292	-6.292	0	%100
40	M98	Y	-6.292	-6.292	0	%100
41	M99	Y	-6.292	-6.292	0	%100
42	M102A	Y	-12.511	-12.511	0	%100
43	M102B	Y	-12.511	-12.511	0	%100
44	M103B	Y	-12.511	-12.511	0	%100
45	M105A	Y	-12.511	-12.511	0	%100
46	M106A	Y	-12.511	-12.511	0	%100
47	MP2A	Y	-5.44	-5.44	0	%100
48	MP3A	Y	-4.758	-4.758	0	%100
49	MP4A	Y	-4.758	-4.758	0	%100
50	MP1C	Y	-4.758	-4.758	0	%100
51	MP2C	Y	-5.44	-5.44	0	%100
52	MP3C	Y	-4.758	-4.758	0	%100
53	MP4C	Y	-4.758	-4.758	0	%100
54	MP1B	Y	-4.758	-4.758	0	%100
55	MP2B	Y	-5.44	-5.44	0	%100
56	MP3B	Y	-4.758	-4.758	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
57	MP4B	Y	-4.758	-4.758	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-3.368	-3.368	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-25.841	-25.841	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-13.473	-13.473	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	-3.368	-3.368	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	-25.841	-25.841	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	-17.994	-17.994	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	-3.14	-3.14	0	%100
17	M14	X	0	0	0	%100
18	M14	Z	-3.14	-3.14	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	-4.499	-4.499	0	%100
21	M27	X	0	0	0	%100
22	M27	Z	-3.14	-3.14	0	%100
23	M28	X	0	0	0	%100
24	M28	Z	-12.562	-12.562	0	%100
25	M35	X	0	0	0	%100
26	M35	Z	-4.499	-4.499	0	%100
27	M41	X	0	0	0	%100
28	M41	Z	-12.562	-12.562	0	%100
29	M42	X	0	0	0	%100
30	M42	Z	-3.14	-3.14	0	%100
31	M48	X	0	0	0	%100
32	M48	Z	-3.45	-3.45	0	%100
33	M49	X	0	0	0	%100
34	M49	Z	-20.066	-20.066	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	-6.875	-6.875	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	-6.875	-6.875	0	%100
39	M59	X	0	0	0	%100
40	M59	Z	-20.066	-20.066	0	%100
41	M60	X	0	0	0	%100
42	M60	Z	-3.45	-3.45	0	%100
43	M62	X	0	0	0	%100
44	M62	Z	-7.733	-7.733	0	%100
45	M64	X	0	0	0	%100
46	M64	Z	-.605	-.605	0	%100
47	M66	X	0	0	0	%100
48	M66	Z	-12.665	-12.665	0	%100
49	M100	X	0	0	0	%100
50	M100	Z	-2.557	-2.557	0	%100
51	M101	X	0	0	0	%100
52	M101	Z	-10.229	-10.229	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	M102	X	0	0	0	%100
54	M102	Z	-2.557	-2.557	0	%100
55	M105	X	0	0	0	%100
56	M105	Z	-11.144	-11.144	0	%100
57	M108	X	0	0	0	%100
58	M108	Z	-2.786	-2.786	0	%100
59	M111	X	0	0	0	%100
60	M111	Z	-2.786	-2.786	0	%100
61	M134A	X	0	0	0	%100
62	M134A	Z	-4.307	-4.307	0	%100
63	M135A	X	0	0	0	%100
64	M135A	Z	-4.307	-4.307	0	%100
65	M136	X	0	0	0	%100
66	M136	Z	-4.307	-4.307	0	%100
67	M131A	X	0	0	0	%100
68	M131A	Z	-17.227	-17.227	0	%100
69	M132A	X	0	0	0	%100
70	M132A	Z	-17.227	-17.227	0	%100
71	M135B	X	0	0	0	%100
72	M135B	Z	-4.307	-4.307	0	%100
73	M136A	X	0	0	0	%100
74	M136A	Z	-4.307	-4.307	0	%100
75	MP1A	X	0	0	0	%100
76	MP1A	Z	-10.229	-10.229	0	%100
77	M97	X	0	0	0	%100
78	M97	Z	-3.368	-3.368	0	%100
79	M98	X	0	0	0	%100
80	M98	Z	-13.473	-13.473	0	%100
81	M99	X	0	0	0	%100
82	M99	Z	-3.368	-3.368	0	%100
83	M102A	X	0	0	0	%100
84	M102A	Z	-4.491	-4.491	0	%100
85	M102B	X	0	0	0	%100
86	M102B	Z	-17.227	-17.227	0	%100
87	M103B	X	0	0	0	%100
88	M103B	Z	-17.963	-17.963	0	%100
89	M105A	X	0	0	0	%100
90	M105A	Z	-4.307	-4.307	0	%100
91	M106A	X	0	0	0	%100
92	M106A	Z	-4.491	-4.491	0	%100
93	MP2A	X	0	0	0	%100
94	MP2A	Z	-12.382	-12.382	0	%100
95	MP3A	X	0	0	0	%100
96	MP3A	Z	-10.229	-10.229	0	%100
97	MP4A	X	0	0	0	%100
98	MP4A	Z	-10.229	-10.229	0	%100
99	MP1C	X	0	0	0	%100
100	MP1C	Z	-10.229	-10.229	0	%100
101	MP2C	X	0	0	0	%100
102	MP2C	Z	-12.382	-12.382	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	-10.229	-10.229	0	%100
105	MP4C	X	0	0	0	%100
106	MP4C	Z	-10.229	-10.229	0	%100
107	MP1B	X	0	0	0	%100
108	MP1B	Z	-10.229	-10.229	0	%100
109	MP2B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
110	MP2B	Z	-12.382	-12.382	0	%100
111	MP3B	X	0	0	0	%100
112	MP3B	Z	-10.229	-10.229	0	%100
113	MP4B	X	0	0	0	%100
114	MP4B	Z	-10.229	-10.229	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	17.227	17.227	0	%100
4	M2	Z	-29.838	-29.838	0	%100
5	M3	X	5.052	5.052	0	%100
6	M3	Z	-8.751	-8.751	0	%100
7	M4	X	4.307	4.307	0	%100
8	M4	Z	-7.46	-7.46	0	%100
9	M5	X	5.052	5.052	0	%100
10	M5	Z	-8.751	-8.751	0	%100
11	M6	X	4.307	4.307	0	%100
12	M6	Z	-7.46	-7.46	0	%100
13	M7	X	6.748	6.748	0	%100
14	M7	Z	-11.688	-11.688	0	%100
15	M13	X	4.711	4.711	0	%100
16	M13	Z	-8.159	-8.159	0	%100
17	M14	X	0	0	0	%100
18	M14	Z	0	0	0	%100
19	M21	X	6.748	6.748	0	%100
20	M21	Z	-11.688	-11.688	0	%100
21	M27	X	0	0	0	%100
22	M27	Z	0	0	0	%100
23	M28	X	4.711	4.711	0	%100
24	M28	Z	-8.159	-8.159	0	%100
25	M35	X	0	0	0	%100
26	M35	Z	0	0	0	%100
27	M41	X	4.711	4.711	0	%100
28	M41	Z	-8.159	-8.159	0	%100
29	M42	X	4.711	4.711	0	%100
30	M42	Z	-8.159	-8.159	0	%100
31	M48	X	6.693	6.693	0	%100
32	M48	Z	-11.593	-11.593	0	%100
33	M49	X	6.693	6.693	0	%100
34	M49	Z	-11.593	-11.593	0	%100
35	M53	X	.097	.097	0	%100
36	M53	Z	-.169	-.169	0	%100
37	M54	X	8.405	8.405	0	%100
38	M54	Z	-14.559	-14.559	0	%100
39	M59	X	8.406	8.406	0	%100
40	M59	Z	-14.559	-14.559	0	%100
41	M60	X	.097	.097	0	%100
42	M60	Z	-.169	-.169	0	%100
43	M62	X	6.698	6.698	0	%100
44	M62	Z	-11.602	-11.602	0	%100
45	M64	X	.669	.669	0	%100
46	M64	Z	-1.158	-1.158	0	%100
47	M66	X	3.135	3.135	0	%100
48	M66	Z	-5.429	-5.429	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
49	M100	X	0	0	0	%100
50	M100	Z	0	0	0	%100
51	M101	X	3.836	3.836	0	%100
52	M101	Z	-6.644	-6.644	0	%100
53	M102	X	3.836	3.836	0	%100
54	M102	Z	-6.644	-6.644	0	%100
55	M105	X	4.179	4.179	0	%100
56	M105	Z	-7.238	-7.238	0	%100
57	M108	X	4.179	4.179	0	%100
58	M108	Z	-7.238	-7.238	0	%100
59	M111	X	0	0	0	%100
60	M111	Z	0	0	0	%100
61	M134A	X	0	0	0	%100
62	M134A	Z	0	0	0	%100
63	M135A	X	0	0	0	%100
64	M135A	Z	0	0	0	%100
65	M136	X	0	0	0	%100
66	M136	Z	0	0	0	%100
67	M131A	X	6.46	6.46	0	%100
68	M131A	Z	-11.189	-11.189	0	%100
69	M132A	X	6.46	6.46	0	%100
70	M132A	Z	-11.189	-11.189	0	%100
71	M135B	X	6.46	6.46	0	%100
72	M135B	Z	-11.189	-11.189	0	%100
73	M136A	X	6.46	6.46	0	%100
74	M136A	Z	-11.189	-11.189	0	%100
75	MP1A	X	5.114	5.114	0	%100
76	MP1A	Z	-8.858	-8.858	0	%100
77	M97	X	0	0	0	%100
78	M97	Z	0	0	0	%100
79	M98	X	5.052	5.052	0	%100
80	M98	Z	-8.751	-8.751	0	%100
81	M99	X	5.052	5.052	0	%100
82	M99	Z	-8.751	-8.751	0	%100
83	M102A	X	0	0	0	%100
84	M102A	Z	0	0	0	%100
85	M102B	X	6.46	6.46	0	%100
86	M102B	Z	-11.189	-11.189	0	%100
87	M103B	X	6.736	6.736	0	%100
88	M103B	Z	-11.667	-11.667	0	%100
89	M105A	X	6.46	6.46	0	%100
90	M105A	Z	-11.189	-11.189	0	%100
91	M106A	X	6.736	6.736	0	%100
92	M106A	Z	-11.667	-11.667	0	%100
93	MP2A	X	6.191	6.191	0	%100
94	MP2A	Z	-10.723	-10.723	0	%100
95	MP3A	X	5.114	5.114	0	%100
96	MP3A	Z	-8.858	-8.858	0	%100
97	MP4A	X	5.114	5.114	0	%100
98	MP4A	Z	-8.858	-8.858	0	%100
99	MP1C	X	5.114	5.114	0	%100
100	MP1C	Z	-8.858	-8.858	0	%100
101	MP2C	X	6.191	6.191	0	%100
102	MP2C	Z	-10.723	-10.723	0	%100
103	MP3C	X	5.114	5.114	0	%100
104	MP3C	Z	-8.858	-8.858	0	%100
105	MP4C	X	5.114	5.114	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
106	MP4C	Z	-8.858	-8.858	0	%100
107	MP1B	X	5.114	5.114	0	%100
108	MP1B	Z	-8.858	-8.858	0	%100
109	MP2B	X	6.191	6.191	0	%100
110	MP2B	Z	-10.723	-10.723	0	%100
111	MP3B	X	5.114	5.114	0	%100
112	MP3B	Z	-8.858	-8.858	0	%100
113	MP4B	X	5.114	5.114	0	%100
114	MP4B	Z	-8.858	-8.858	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.917	2.917	0	%100
2	M1	Z	-1.684	-1.684	0	%100
3	M2	X	22.379	22.379	0	%100
4	M2	Z	-12.92	-12.92	0	%100
5	M3	X	2.917	2.917	0	%100
6	M3	Z	-1.684	-1.684	0	%100
7	M4	X	22.379	22.379	0	%100
8	M4	Z	-12.92	-12.92	0	%100
9	M5	X	11.668	11.668	0	%100
10	M5	Z	-6.737	-6.737	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	3.896	3.896	0	%100
14	M7	Z	-2.249	-2.249	0	%100
15	M13	X	10.879	10.879	0	%100
16	M13	Z	-6.281	-6.281	0	%100
17	M14	X	2.72	2.72	0	%100
18	M14	Z	-1.57	-1.57	0	%100
19	M21	X	15.583	15.583	0	%100
20	M21	Z	-8.997	-8.997	0	%100
21	M27	X	2.72	2.72	0	%100
22	M27	Z	-1.57	-1.57	0	%100
23	M28	X	2.72	2.72	0	%100
24	M28	Z	-1.57	-1.57	0	%100
25	M35	X	3.896	3.896	0	%100
26	M35	Z	-2.249	-2.249	0	%100
27	M41	X	2.72	2.72	0	%100
28	M41	Z	-1.57	-1.57	0	%100
29	M42	X	10.879	10.879	0	%100
30	M42	Z	-6.281	-6.281	0	%100
31	M48	X	17.378	17.378	0	%100
32	M48	Z	-10.033	-10.033	0	%100
33	M49	X	2.988	2.988	0	%100
34	M49	Z	-1.725	-1.725	0	%100
35	M53	X	2.988	2.988	0	%100
36	M53	Z	-1.725	-1.725	0	%100
37	M54	X	17.378	17.378	0	%100
38	M54	Z	-10.033	-10.033	0	%100
39	M59	X	5.954	5.954	0	%100
40	M59	Z	-3.438	-3.438	0	%100
41	M60	X	5.954	5.954	0	%100
42	M60	Z	-3.438	-3.438	0	%100
43	M62	X	10.968	10.968	0	%100
44	M62	Z	-6.333	-6.333	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
45	M64	X	6.697	6.697	0	%100
46	M64	Z	-3.866	-3.866	0	%100
47	M66	X	.524	.524	0	%100
48	M66	Z	-.303	-.303	0	%100
49	M100	X	2.215	2.215	0	%100
50	M100	Z	-1.279	-1.279	0	%100
51	M101	X	2.215	2.215	0	%100
52	M101	Z	-1.279	-1.279	0	%100
53	M102	X	8.858	8.858	0	%100
54	M102	Z	-5.114	-5.114	0	%100
55	M105	X	2.413	2.413	0	%100
56	M105	Z	-1.393	-1.393	0	%100
57	M108	X	9.651	9.651	0	%100
58	M108	Z	-5.572	-5.572	0	%100
59	M111	X	2.413	2.413	0	%100
60	M111	Z	-1.393	-1.393	0	%100
61	M134A	X	3.73	3.73	0	%100
62	M134A	Z	-2.153	-2.153	0	%100
63	M135A	X	3.73	3.73	0	%100
64	M135A	Z	-2.153	-2.153	0	%100
65	M136	X	3.73	3.73	0	%100
66	M136	Z	-2.153	-2.153	0	%100
67	M131A	X	3.73	3.73	0	%100
68	M131A	Z	-2.153	-2.153	0	%100
69	M132A	X	3.73	3.73	0	%100
70	M132A	Z	-2.153	-2.153	0	%100
71	M135B	X	14.919	14.919	0	%100
72	M135B	Z	-8.614	-8.614	0	%100
73	M136A	X	14.919	14.919	0	%100
74	M136A	Z	-8.614	-8.614	0	%100
75	MP1A	X	8.858	8.858	0	%100
76	MP1A	Z	-5.114	-5.114	0	%100
77	M97	X	2.917	2.917	0	%100
78	M97	Z	-1.684	-1.684	0	%100
79	M98	X	2.917	2.917	0	%100
80	M98	Z	-1.684	-1.684	0	%100
81	M99	X	11.668	11.668	0	%100
82	M99	Z	-6.737	-6.737	0	%100
83	M102A	X	3.889	3.889	0	%100
84	M102A	Z	-2.245	-2.245	0	%100
85	M102B	X	3.73	3.73	0	%100
86	M102B	Z	-2.153	-2.153	0	%100
87	M103B	X	3.889	3.889	0	%100
88	M103B	Z	-2.245	-2.245	0	%100
89	M105A	X	14.919	14.919	0	%100
90	M105A	Z	-8.614	-8.614	0	%100
91	M106A	X	15.557	15.557	0	%100
92	M106A	Z	-8.982	-8.982	0	%100
93	MP2A	X	10.723	10.723	0	%100
94	MP2A	Z	-6.191	-6.191	0	%100
95	MP3A	X	8.858	8.858	0	%100
96	MP3A	Z	-5.114	-5.114	0	%100
97	MP4A	X	8.858	8.858	0	%100
98	MP4A	Z	-5.114	-5.114	0	%100
99	MP1C	X	8.858	8.858	0	%100
100	MP1C	Z	-5.114	-5.114	0	%100
101	MP2C	X	10.723	10.723	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
102	MP2C	Z	-6.191	-6.191	0	%100
103	MP3C	X	8.858	8.858	0	%100
104	MP3C	Z	-5.114	-5.114	0	%100
105	MP4C	X	8.858	8.858	0	%100
106	MP4C	Z	-5.114	-5.114	0	%100
107	MP1B	X	8.858	8.858	0	%100
108	MP1B	Z	-5.114	-5.114	0	%100
109	MP2B	X	10.723	10.723	0	%100
110	MP2B	Z	-6.191	-6.191	0	%100
111	MP3B	X	8.858	8.858	0	%100
112	MP3B	Z	-5.114	-5.114	0	%100
113	MP4B	X	8.858	8.858	0	%100
114	MP4B	Z	-5.114	-5.114	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	10.105	10.105	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	8.614	8.614	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	34.455	34.455	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	10.105	10.105	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	8.614	8.614	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M13	X	9.421	9.421	0	%100
16	M13	Z	0	0	0	%100
17	M14	X	9.421	9.421	0	%100
18	M14	Z	0	0	0	%100
19	M21	X	13.496	13.496	0	%100
20	M21	Z	0	0	0	%100
21	M27	X	9.421	9.421	0	%100
22	M27	Z	0	0	0	%100
23	M28	X	0	0	0	%100
24	M28	Z	0	0	0	%100
25	M35	X	13.496	13.496	0	%100
26	M35	Z	0	0	0	%100
27	M41	X	0	0	0	%100
28	M41	Z	0	0	0	%100
29	M42	X	9.421	9.421	0	%100
30	M42	Z	0	0	0	%100
31	M48	X	16.811	16.811	0	%100
32	M48	Z	0	0	0	%100
33	M49	X	.195	.195	0	%100
34	M49	Z	0	0	0	%100
35	M53	X	13.386	13.386	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	13.386	13.386	0	%100
38	M54	Z	0	0	0	%100
39	M59	X	.195	.195	0	%100
40	M59	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
41	M60	X	16.811	16.811	0	%100
42	M60	Z	0	0	0	%100
43	M62	X	6.269	6.269	0	%100
44	M62	Z	0	0	0	%100
45	M64	X	13.397	13.397	0	%100
46	M64	Z	0	0	0	%100
47	M66	X	1.337	1.337	0	%100
48	M66	Z	0	0	0	%100
49	M100	X	7.672	7.672	0	%100
50	M100	Z	0	0	0	%100
51	M101	X	0	0	0	%100
52	M101	Z	0	0	0	%100
53	M102	X	7.672	7.672	0	%100
54	M102	Z	0	0	0	%100
55	M105	X	0	0	0	%100
56	M105	Z	0	0	0	%100
57	M108	X	8.358	8.358	0	%100
58	M108	Z	0	0	0	%100
59	M111	X	8.358	8.358	0	%100
60	M111	Z	0	0	0	%100
61	M134A	X	12.92	12.92	0	%100
62	M134A	Z	0	0	0	%100
63	M135A	X	12.92	12.92	0	%100
64	M135A	Z	0	0	0	%100
65	M136	X	12.92	12.92	0	%100
66	M136	Z	0	0	0	%100
67	M131A	X	0	0	0	%100
68	M131A	Z	0	0	0	%100
69	M132A	X	0	0	0	%100
70	M132A	Z	0	0	0	%100
71	M135B	X	12.92	12.92	0	%100
72	M135B	Z	0	0	0	%100
73	M136A	X	12.92	12.92	0	%100
74	M136A	Z	0	0	0	%100
75	MP1A	X	10.229	10.229	0	%100
76	MP1A	Z	0	0	0	%100
77	M97	X	10.105	10.105	0	%100
78	M97	Z	0	0	0	%100
79	M98	X	0	0	0	%100
80	M98	Z	0	0	0	%100
81	M99	X	10.105	10.105	0	%100
82	M99	Z	0	0	0	%100
83	M102A	X	13.472	13.472	0	%100
84	M102A	Z	0	0	0	%100
85	M102B	X	0	0	0	%100
86	M102B	Z	0	0	0	%100
87	M103B	X	0	0	0	%100
88	M103B	Z	0	0	0	%100
89	M105A	X	12.92	12.92	0	%100
90	M105A	Z	0	0	0	%100
91	M106A	X	13.472	13.472	0	%100
92	M106A	Z	0	0	0	%100
93	MP2A	X	12.382	12.382	0	%100
94	MP2A	Z	0	0	0	%100
95	MP3A	X	10.229	10.229	0	%100
96	MP3A	Z	0	0	0	%100
97	MP4A	X	10.229	10.229	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
98	MP4A	Z	0	0	0	%100
99	MP1C	X	10.229	10.229	0	%100
100	MP1C	Z	0	0	0	%100
101	MP2C	X	12.382	12.382	0	%100
102	MP2C	Z	0	0	0	%100
103	MP3C	X	10.229	10.229	0	%100
104	MP3C	Z	0	0	0	%100
105	MP4C	X	10.229	10.229	0	%100
106	MP4C	Z	0	0	0	%100
107	MP1B	X	10.229	10.229	0	%100
108	MP1B	Z	0	0	0	%100
109	MP2B	X	12.382	12.382	0	%100
110	MP2B	Z	0	0	0	%100
111	MP3B	X	10.229	10.229	0	%100
112	MP3B	Z	0	0	0	%100
113	MP4B	X	10.229	10.229	0	%100
114	MP4B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	11.668	11.668	0	%100
2	M1	Z	6.737	6.737	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	2.917	2.917	0	%100
6	M3	Z	1.684	1.684	0	%100
7	M4	X	22.379	22.379	0	%100
8	M4	Z	12.92	12.92	0	%100
9	M5	X	2.917	2.917	0	%100
10	M5	Z	1.684	1.684	0	%100
11	M6	X	22.379	22.379	0	%100
12	M6	Z	12.92	12.92	0	%100
13	M7	X	3.896	3.896	0	%100
14	M7	Z	2.249	2.249	0	%100
15	M13	X	2.72	2.72	0	%100
16	M13	Z	1.57	1.57	0	%100
17	M14	X	10.879	10.879	0	%100
18	M14	Z	6.281	6.281	0	%100
19	M21	X	3.896	3.896	0	%100
20	M21	Z	2.249	2.249	0	%100
21	M27	X	10.879	10.879	0	%100
22	M27	Z	6.281	6.281	0	%100
23	M28	X	2.72	2.72	0	%100
24	M28	Z	1.57	1.57	0	%100
25	M35	X	15.583	15.583	0	%100
26	M35	Z	8.997	8.997	0	%100
27	M41	X	2.72	2.72	0	%100
28	M41	Z	1.57	1.57	0	%100
29	M42	X	2.72	2.72	0	%100
30	M42	Z	1.57	1.57	0	%100
31	M48	X	5.954	5.954	0	%100
32	M48	Z	3.438	3.438	0	%100
33	M49	X	5.954	5.954	0	%100
34	M49	Z	3.438	3.438	0	%100
35	M53	X	17.378	17.378	0	%100
36	M53	Z	10.033	10.033	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	M54	X	2.988	2.988	0	%100
38	M54	Z	1.725	1.725	0	%100
39	M59	X	2.988	2.988	0	%100
40	M59	Z	1.725	1.725	0	%100
41	M60	X	17.378	17.378	0	%100
42	M60	Z	10.033	10.033	0	%100
43	M62	X	.524	.524	0	%100
44	M62	Z	.303	.303	0	%100
45	M64	X	10.968	10.968	0	%100
46	M64	Z	6.333	6.333	0	%100
47	M66	X	6.697	6.697	0	%100
48	M66	Z	3.866	3.866	0	%100
49	M100	X	8.858	8.858	0	%100
50	M100	Z	5.114	5.114	0	%100
51	M101	X	2.215	2.215	0	%100
52	M101	Z	1.279	1.279	0	%100
53	M102	X	2.215	2.215	0	%100
54	M102	Z	1.279	1.279	0	%100
55	M105	X	2.413	2.413	0	%100
56	M105	Z	1.393	1.393	0	%100
57	M108	X	2.413	2.413	0	%100
58	M108	Z	1.393	1.393	0	%100
59	M111	X	9.651	9.651	0	%100
60	M111	Z	5.572	5.572	0	%100
61	M134A	X	14.919	14.919	0	%100
62	M134A	Z	8.614	8.614	0	%100
63	M135A	X	14.919	14.919	0	%100
64	M135A	Z	8.614	8.614	0	%100
65	M136	X	14.919	14.919	0	%100
66	M136	Z	8.614	8.614	0	%100
67	M131A	X	3.73	3.73	0	%100
68	M131A	Z	2.153	2.153	0	%100
69	M132A	X	3.73	3.73	0	%100
70	M132A	Z	2.153	2.153	0	%100
71	M135B	X	3.73	3.73	0	%100
72	M135B	Z	2.153	2.153	0	%100
73	M136A	X	3.73	3.73	0	%100
74	M136A	Z	2.153	2.153	0	%100
75	MP1A	X	8.858	8.858	0	%100
76	MP1A	Z	5.114	5.114	0	%100
77	M97	X	11.668	11.668	0	%100
78	M97	Z	6.737	6.737	0	%100
79	M98	X	2.917	2.917	0	%100
80	M98	Z	1.684	1.684	0	%100
81	M99	X	2.917	2.917	0	%100
82	M99	Z	1.684	1.684	0	%100
83	M102A	X	15.557	15.557	0	%100
84	M102A	Z	8.982	8.982	0	%100
85	M102B	X	3.73	3.73	0	%100
86	M102B	Z	2.153	2.153	0	%100
87	M103B	X	3.889	3.889	0	%100
88	M103B	Z	2.245	2.245	0	%100
89	M105A	X	3.73	3.73	0	%100
90	M105A	Z	2.153	2.153	0	%100
91	M106A	X	3.889	3.889	0	%100
92	M106A	Z	2.245	2.245	0	%100
93	MP2A	X	10.723	10.723	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
94	MP2A	Z	6.191	6.191	0	%100
95	MP3A	X	8.858	8.858	0	%100
96	MP3A	Z	5.114	5.114	0	%100
97	MP4A	X	8.858	8.858	0	%100
98	MP4A	Z	5.114	5.114	0	%100
99	MP1C	X	8.858	8.858	0	%100
100	MP1C	Z	5.114	5.114	0	%100
101	MP2C	X	10.723	10.723	0	%100
102	MP2C	Z	6.191	6.191	0	%100
103	MP3C	X	8.858	8.858	0	%100
104	MP3C	Z	5.114	5.114	0	%100
105	MP4C	X	8.858	8.858	0	%100
106	MP4C	Z	5.114	5.114	0	%100
107	MP1B	X	8.858	8.858	0	%100
108	MP1B	Z	5.114	5.114	0	%100
109	MP2B	X	10.723	10.723	0	%100
110	MP2B	Z	6.191	6.191	0	%100
111	MP3B	X	8.858	8.858	0	%100
112	MP3B	Z	5.114	5.114	0	%100
113	MP4B	X	8.858	8.858	0	%100
114	MP4B	Z	5.114	5.114	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	5.052	5.052	0	%100
2	M1	Z	8.751	8.751	0	%100
3	M2	X	4.307	4.307	0	%100
4	M2	Z	7.46	7.46	0	%100
5	M3	X	5.052	5.052	0	%100
6	M3	Z	8.751	8.751	0	%100
7	M4	X	4.307	4.307	0	%100
8	M4	Z	7.46	7.46	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	17.227	17.227	0	%100
12	M6	Z	29.838	29.838	0	%100
13	M7	X	6.748	6.748	0	%100
14	M7	Z	11.688	11.688	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	0	0	0	%100
17	M14	X	4.711	4.711	0	%100
18	M14	Z	8.159	8.159	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	0	0	0	%100
21	M27	X	4.711	4.711	0	%100
22	M27	Z	8.159	8.159	0	%100
23	M28	X	4.711	4.711	0	%100
24	M28	Z	8.159	8.159	0	%100
25	M35	X	6.748	6.748	0	%100
26	M35	Z	11.688	11.688	0	%100
27	M41	X	4.711	4.711	0	%100
28	M41	Z	8.159	8.159	0	%100
29	M42	X	0	0	0	%100
30	M42	Z	0	0	0	%100
31	M48	X	.097	.097	0	%100
32	M48	Z	.169	.169	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
33	M49	X	8.405	8.405	0	%100
34	M49	Z	14.559	14.559	0	%100
35	M53	X	8.406	8.406	0	%100
36	M53	Z	14.559	14.559	0	%100
37	M54	X	.097	.097	0	%100
38	M54	Z	.169	.169	0	%100
39	M59	X	6.693	6.693	0	%100
40	M59	Z	11.593	11.593	0	%100
41	M60	X	6.693	6.693	0	%100
42	M60	Z	11.593	11.593	0	%100
43	M62	X	.669	.669	0	%100
44	M62	Z	1.158	1.158	0	%100
45	M64	X	3.135	3.135	0	%100
46	M64	Z	5.429	5.429	0	%100
47	M66	X	6.698	6.698	0	%100
48	M66	Z	11.602	11.602	0	%100
49	M100	X	3.836	3.836	0	%100
50	M100	Z	6.644	6.644	0	%100
51	M101	X	3.836	3.836	0	%100
52	M101	Z	6.644	6.644	0	%100
53	M102	X	0	0	0	%100
54	M102	Z	0	0	0	%100
55	M105	X	4.179	4.179	0	%100
56	M105	Z	7.238	7.238	0	%100
57	M108	X	0	0	0	%100
58	M108	Z	0	0	0	%100
59	M111	X	4.179	4.179	0	%100
60	M111	Z	7.238	7.238	0	%100
61	M134A	X	6.46	6.46	0	%100
62	M134A	Z	11.189	11.189	0	%100
63	M135A	X	6.46	6.46	0	%100
64	M135A	Z	11.189	11.189	0	%100
65	M136	X	6.46	6.46	0	%100
66	M136	Z	11.189	11.189	0	%100
67	M131A	X	6.46	6.46	0	%100
68	M131A	Z	11.189	11.189	0	%100
69	M132A	X	6.46	6.46	0	%100
70	M132A	Z	11.189	11.189	0	%100
71	M135B	X	0	0	0	%100
72	M135B	Z	0	0	0	%100
73	M136A	X	0	0	0	%100
74	M136A	Z	0	0	0	%100
75	MP1A	X	5.114	5.114	0	%100
76	MP1A	Z	8.858	8.858	0	%100
77	M97	X	5.052	5.052	0	%100
78	M97	Z	8.751	8.751	0	%100
79	M98	X	5.052	5.052	0	%100
80	M98	Z	8.751	8.751	0	%100
81	M99	X	0	0	0	%100
82	M99	Z	0	0	0	%100
83	M102A	X	6.736	6.736	0	%100
84	M102A	Z	11.667	11.667	0	%100
85	M102B	X	6.46	6.46	0	%100
86	M102B	Z	11.189	11.189	0	%100
87	M103B	X	6.736	6.736	0	%100
88	M103B	Z	11.667	11.667	0	%100
89	M105A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
90	M105A	Z	0	0	0	%100
91	M106A	X	0	0	0	%100
92	M106A	Z	0	0	0	%100
93	MP2A	X	6.191	6.191	0	%100
94	MP2A	Z	10.723	10.723	0	%100
95	MP3A	X	5.114	5.114	0	%100
96	MP3A	Z	8.858	8.858	0	%100
97	MP4A	X	5.114	5.114	0	%100
98	MP4A	Z	8.858	8.858	0	%100
99	MP1C	X	5.114	5.114	0	%100
100	MP1C	Z	8.858	8.858	0	%100
101	MP2C	X	6.191	6.191	0	%100
102	MP2C	Z	10.723	10.723	0	%100
103	MP3C	X	5.114	5.114	0	%100
104	MP3C	Z	8.858	8.858	0	%100
105	MP4C	X	5.114	5.114	0	%100
106	MP4C	Z	8.858	8.858	0	%100
107	MP1B	X	5.114	5.114	0	%100
108	MP1B	Z	8.858	8.858	0	%100
109	MP2B	X	6.191	6.191	0	%100
110	MP2B	Z	10.723	10.723	0	%100
111	MP3B	X	5.114	5.114	0	%100
112	MP3B	Z	8.858	8.858	0	%100
113	MP4B	X	5.114	5.114	0	%100
114	MP4B	Z	8.858	8.858	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	3.368	3.368	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	25.841	25.841	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	13.473	13.473	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	3.368	3.368	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	25.841	25.841	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	17.994	17.994	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	3.14	3.14	0	%100
17	M14	X	0	0	0	%100
18	M14	Z	3.14	3.14	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	4.499	4.499	0	%100
21	M27	X	0	0	0	%100
22	M27	Z	3.14	3.14	0	%100
23	M28	X	0	0	0	%100
24	M28	Z	12.562	12.562	0	%100
25	M35	X	0	0	0	%100
26	M35	Z	4.499	4.499	0	%100
27	M41	X	0	0	0	%100
28	M41	Z	12.562	12.562	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
29	M42	X	0	0	0	%100
30	M42	Z	3.14	3.14	0	%100
31	M48	X	0	0	0	%100
32	M48	Z	3.45	3.45	0	%100
33	M49	X	0	0	0	%100
34	M49	Z	20.066	20.066	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	6.875	6.875	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	6.875	6.875	0	%100
39	M59	X	0	0	0	%100
40	M59	Z	20.066	20.066	0	%100
41	M60	X	0	0	0	%100
42	M60	Z	3.45	3.45	0	%100
43	M62	X	0	0	0	%100
44	M62	Z	7.733	7.733	0	%100
45	M64	X	0	0	0	%100
46	M64	Z	.605	.605	0	%100
47	M66	X	0	0	0	%100
48	M66	Z	12.665	12.665	0	%100
49	M100	X	0	0	0	%100
50	M100	Z	2.557	2.557	0	%100
51	M101	X	0	0	0	%100
52	M101	Z	10.229	10.229	0	%100
53	M102	X	0	0	0	%100
54	M102	Z	2.557	2.557	0	%100
55	M105	X	0	0	0	%100
56	M105	Z	11.144	11.144	0	%100
57	M108	X	0	0	0	%100
58	M108	Z	2.786	2.786	0	%100
59	M111	X	0	0	0	%100
60	M111	Z	2.786	2.786	0	%100
61	M134A	X	0	0	0	%100
62	M134A	Z	4.307	4.307	0	%100
63	M135A	X	0	0	0	%100
64	M135A	Z	4.307	4.307	0	%100
65	M136	X	0	0	0	%100
66	M136	Z	4.307	4.307	0	%100
67	M131A	X	0	0	0	%100
68	M131A	Z	17.227	17.227	0	%100
69	M132A	X	0	0	0	%100
70	M132A	Z	17.227	17.227	0	%100
71	M135B	X	0	0	0	%100
72	M135B	Z	4.307	4.307	0	%100
73	M136A	X	0	0	0	%100
74	M136A	Z	4.307	4.307	0	%100
75	MP1A	X	0	0	0	%100
76	MP1A	Z	10.229	10.229	0	%100
77	M97	X	0	0	0	%100
78	M97	Z	3.368	3.368	0	%100
79	M98	X	0	0	0	%100
80	M98	Z	13.473	13.473	0	%100
81	M99	X	0	0	0	%100
82	M99	Z	3.368	3.368	0	%100
83	M102A	X	0	0	0	%100
84	M102A	Z	4.491	4.491	0	%100
85	M102B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
86	M102B	Z	17.227	17.227	0	%100
87	M103B	X	0	0	0	%100
88	M103B	Z	17.963	17.963	0	%100
89	M105A	X	0	0	0	%100
90	M105A	Z	4.307	4.307	0	%100
91	M106A	X	0	0	0	%100
92	M106A	Z	4.491	4.491	0	%100
93	MP2A	X	0	0	0	%100
94	MP2A	Z	12.382	12.382	0	%100
95	MP3A	X	0	0	0	%100
96	MP3A	Z	10.229	10.229	0	%100
97	MP4A	X	0	0	0	%100
98	MP4A	Z	10.229	10.229	0	%100
99	MP1C	X	0	0	0	%100
100	MP1C	Z	10.229	10.229	0	%100
101	MP2C	X	0	0	0	%100
102	MP2C	Z	12.382	12.382	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	10.229	10.229	0	%100
105	MP4C	X	0	0	0	%100
106	MP4C	Z	10.229	10.229	0	%100
107	MP1B	X	0	0	0	%100
108	MP1B	Z	10.229	10.229	0	%100
109	MP2B	X	0	0	0	%100
110	MP2B	Z	12.382	12.382	0	%100
111	MP3B	X	0	0	0	%100
112	MP3B	Z	10.229	10.229	0	%100
113	MP4B	X	0	0	0	%100
114	MP4B	Z	10.229	10.229	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-17.227	-17.227	0	%100
4	M2	Z	29.838	29.838	0	%100
5	M3	X	-5.052	-5.052	0	%100
6	M3	Z	8.751	8.751	0	%100
7	M4	X	-4.307	-4.307	0	%100
8	M4	Z	7.46	7.46	0	%100
9	M5	X	-5.052	-5.052	0	%100
10	M5	Z	8.751	8.751	0	%100
11	M6	X	-4.307	-4.307	0	%100
12	M6	Z	7.46	7.46	0	%100
13	M7	X	-6.748	-6.748	0	%100
14	M7	Z	11.688	11.688	0	%100
15	M13	X	-4.711	-4.711	0	%100
16	M13	Z	8.159	8.159	0	%100
17	M14	X	0	0	0	%100
18	M14	Z	0	0	0	%100
19	M21	X	-6.748	-6.748	0	%100
20	M21	Z	11.688	11.688	0	%100
21	M27	X	0	0	0	%100
22	M27	Z	0	0	0	%100
23	M28	X	-4.711	-4.711	0	%100
24	M28	Z	8.159	8.159	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
25	M35	X	0	0	0	%100
26	M35	Z	0	0	0	%100
27	M41	X	-4.711	-4.711	0	%100
28	M41	Z	8.159	8.159	0	%100
29	M42	X	-4.711	-4.711	0	%100
30	M42	Z	8.159	8.159	0	%100
31	M48	X	-6.693	-6.693	0	%100
32	M48	Z	11.593	11.593	0	%100
33	M49	X	-6.693	-6.693	0	%100
34	M49	Z	11.593	11.593	0	%100
35	M53	X	-.097	-.097	0	%100
36	M53	Z	.169	.169	0	%100
37	M54	X	-8.405	-8.405	0	%100
38	M54	Z	14.559	14.559	0	%100
39	M59	X	-8.406	-8.406	0	%100
40	M59	Z	14.559	14.559	0	%100
41	M60	X	-.097	-.097	0	%100
42	M60	Z	.169	.169	0	%100
43	M62	X	-6.698	-6.698	0	%100
44	M62	Z	11.602	11.602	0	%100
45	M64	X	-.669	-.669	0	%100
46	M64	Z	1.158	1.158	0	%100
47	M66	X	-3.135	-3.135	0	%100
48	M66	Z	5.429	5.429	0	%100
49	M100	X	0	0	0	%100
50	M100	Z	0	0	0	%100
51	M101	X	-3.836	-3.836	0	%100
52	M101	Z	6.644	6.644	0	%100
53	M102	X	-3.836	-3.836	0	%100
54	M102	Z	6.644	6.644	0	%100
55	M105	X	-4.179	-4.179	0	%100
56	M105	Z	7.238	7.238	0	%100
57	M108	X	-4.179	-4.179	0	%100
58	M108	Z	7.238	7.238	0	%100
59	M111	X	0	0	0	%100
60	M111	Z	0	0	0	%100
61	M134A	X	0	0	0	%100
62	M134A	Z	0	0	0	%100
63	M135A	X	0	0	0	%100
64	M135A	Z	0	0	0	%100
65	M136	X	0	0	0	%100
66	M136	Z	0	0	0	%100
67	M131A	X	-6.46	-6.46	0	%100
68	M131A	Z	11.189	11.189	0	%100
69	M132A	X	-6.46	-6.46	0	%100
70	M132A	Z	11.189	11.189	0	%100
71	M135B	X	-6.46	-6.46	0	%100
72	M135B	Z	11.189	11.189	0	%100
73	M136A	X	-6.46	-6.46	0	%100
74	M136A	Z	11.189	11.189	0	%100
75	MP1A	X	-5.114	-5.114	0	%100
76	MP1A	Z	8.858	8.858	0	%100
77	M97	X	0	0	0	%100
78	M97	Z	0	0	0	%100
79	M98	X	-5.052	-5.052	0	%100
80	M98	Z	8.751	8.751	0	%100
81	M99	X	-5.052	-5.052	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
82	M99	Z	8.751	8.751	0	%100
83	M102A	X	0	0	0	%100
84	M102A	Z	0	0	0	%100
85	M102B	X	-6.46	-6.46	0	%100
86	M102B	Z	11.189	11.189	0	%100
87	M103B	X	-6.736	-6.736	0	%100
88	M103B	Z	11.667	11.667	0	%100
89	M105A	X	-6.46	-6.46	0	%100
90	M105A	Z	11.189	11.189	0	%100
91	M106A	X	-6.736	-6.736	0	%100
92	M106A	Z	11.667	11.667	0	%100
93	MP2A	X	-6.191	-6.191	0	%100
94	MP2A	Z	10.723	10.723	0	%100
95	MP3A	X	-5.114	-5.114	0	%100
96	MP3A	Z	8.858	8.858	0	%100
97	MP4A	X	-5.114	-5.114	0	%100
98	MP4A	Z	8.858	8.858	0	%100
99	MP1C	X	-5.114	-5.114	0	%100
100	MP1C	Z	8.858	8.858	0	%100
101	MP2C	X	-6.191	-6.191	0	%100
102	MP2C	Z	10.723	10.723	0	%100
103	MP3C	X	-5.114	-5.114	0	%100
104	MP3C	Z	8.858	8.858	0	%100
105	MP4C	X	-5.114	-5.114	0	%100
106	MP4C	Z	8.858	8.858	0	%100
107	MP1B	X	-5.114	-5.114	0	%100
108	MP1B	Z	8.858	8.858	0	%100
109	MP2B	X	-6.191	-6.191	0	%100
110	MP2B	Z	10.723	10.723	0	%100
111	MP3B	X	-5.114	-5.114	0	%100
112	MP3B	Z	8.858	8.858	0	%100
113	MP4B	X	-5.114	-5.114	0	%100
114	MP4B	Z	8.858	8.858	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.917	-2.917	0	%100
2	M1	Z	1.684	1.684	0	%100
3	M2	X	-22.379	-22.379	0	%100
4	M2	Z	12.92	12.92	0	%100
5	M3	X	-2.917	-2.917	0	%100
6	M3	Z	1.684	1.684	0	%100
7	M4	X	-22.379	-22.379	0	%100
8	M4	Z	12.92	12.92	0	%100
9	M5	X	-11.668	-11.668	0	%100
10	M5	Z	6.737	6.737	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	-3.896	-3.896	0	%100
14	M7	Z	2.249	2.249	0	%100
15	M13	X	-10.879	-10.879	0	%100
16	M13	Z	6.281	6.281	0	%100
17	M14	X	-2.72	-2.72	0	%100
18	M14	Z	1.57	1.57	0	%100
19	M21	X	-15.583	-15.583	0	%100
20	M21	Z	8.997	8.997	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
21	M27	X	-2.72	-2.72	0	%100
22	M27	Z	1.57	1.57	0	%100
23	M28	X	-2.72	-2.72	0	%100
24	M28	Z	1.57	1.57	0	%100
25	M35	X	-3.896	-3.896	0	%100
26	M35	Z	2.249	2.249	0	%100
27	M41	X	-2.72	-2.72	0	%100
28	M41	Z	1.57	1.57	0	%100
29	M42	X	-10.879	-10.879	0	%100
30	M42	Z	6.281	6.281	0	%100
31	M48	X	-17.378	-17.378	0	%100
32	M48	Z	10.033	10.033	0	%100
33	M49	X	-2.988	-2.988	0	%100
34	M49	Z	1.725	1.725	0	%100
35	M53	X	-2.988	-2.988	0	%100
36	M53	Z	1.725	1.725	0	%100
37	M54	X	-17.378	-17.378	0	%100
38	M54	Z	10.033	10.033	0	%100
39	M59	X	-5.954	-5.954	0	%100
40	M59	Z	3.438	3.438	0	%100
41	M60	X	-5.954	-5.954	0	%100
42	M60	Z	3.438	3.438	0	%100
43	M62	X	-10.968	-10.968	0	%100
44	M62	Z	6.333	6.333	0	%100
45	M64	X	-6.697	-6.697	0	%100
46	M64	Z	3.866	3.866	0	%100
47	M66	X	-.524	-.524	0	%100
48	M66	Z	.303	.303	0	%100
49	M100	X	-2.215	-2.215	0	%100
50	M100	Z	1.279	1.279	0	%100
51	M101	X	-2.215	-2.215	0	%100
52	M101	Z	1.279	1.279	0	%100
53	M102	X	-8.858	-8.858	0	%100
54	M102	Z	5.114	5.114	0	%100
55	M105	X	-2.413	-2.413	0	%100
56	M105	Z	1.393	1.393	0	%100
57	M108	X	-9.651	-9.651	0	%100
58	M108	Z	5.572	5.572	0	%100
59	M111	X	-2.413	-2.413	0	%100
60	M111	Z	1.393	1.393	0	%100
61	M134A	X	-3.73	-3.73	0	%100
62	M134A	Z	2.153	2.153	0	%100
63	M135A	X	-3.73	-3.73	0	%100
64	M135A	Z	2.153	2.153	0	%100
65	M136	X	-3.73	-3.73	0	%100
66	M136	Z	2.153	2.153	0	%100
67	M131A	X	-3.73	-3.73	0	%100
68	M131A	Z	2.153	2.153	0	%100
69	M132A	X	-3.73	-3.73	0	%100
70	M132A	Z	2.153	2.153	0	%100
71	M135B	X	-14.919	-14.919	0	%100
72	M135B	Z	8.614	8.614	0	%100
73	M136A	X	-14.919	-14.919	0	%100
74	M136A	Z	8.614	8.614	0	%100
75	MP1A	X	-8.858	-8.858	0	%100
76	MP1A	Z	5.114	5.114	0	%100
77	M97	X	-2.917	-2.917	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
78	M97	Z	1.684	1.684	0	%100
79	M98	X	-2.917	-2.917	0	%100
80	M98	Z	1.684	1.684	0	%100
81	M99	X	-11.668	-11.668	0	%100
82	M99	Z	6.737	6.737	0	%100
83	M102A	X	-3.889	-3.889	0	%100
84	M102A	Z	2.245	2.245	0	%100
85	M102B	X	-3.73	-3.73	0	%100
86	M102B	Z	2.153	2.153	0	%100
87	M103B	X	-3.889	-3.889	0	%100
88	M103B	Z	2.245	2.245	0	%100
89	M105A	X	-14.919	-14.919	0	%100
90	M105A	Z	8.614	8.614	0	%100
91	M106A	X	-15.557	-15.557	0	%100
92	M106A	Z	8.982	8.982	0	%100
93	MP2A	X	-10.723	-10.723	0	%100
94	MP2A	Z	6.191	6.191	0	%100
95	MP3A	X	-8.858	-8.858	0	%100
96	MP3A	Z	5.114	5.114	0	%100
97	MP4A	X	-8.858	-8.858	0	%100
98	MP4A	Z	5.114	5.114	0	%100
99	MP1C	X	-8.858	-8.858	0	%100
100	MP1C	Z	5.114	5.114	0	%100
101	MP2C	X	-10.723	-10.723	0	%100
102	MP2C	Z	6.191	6.191	0	%100
103	MP3C	X	-8.858	-8.858	0	%100
104	MP3C	Z	5.114	5.114	0	%100
105	MP4C	X	-8.858	-8.858	0	%100
106	MP4C	Z	5.114	5.114	0	%100
107	MP1B	X	-8.858	-8.858	0	%100
108	MP1B	Z	5.114	5.114	0	%100
109	MP2B	X	-10.723	-10.723	0	%100
110	MP2B	Z	6.191	6.191	0	%100
111	MP3B	X	-8.858	-8.858	0	%100
112	MP3B	Z	5.114	5.114	0	%100
113	MP4B	X	-8.858	-8.858	0	%100
114	MP4B	Z	5.114	5.114	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-10.105	-10.105	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-8.614	-8.614	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-34.455	-34.455	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-10.105	-10.105	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	-8.614	-8.614	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M13	X	-9.421	-9.421	0	%100
16	M13	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
17	M14	X	-9.421	-9.421	0	%100
18	M14	Z	0	0	0	%100
19	M21	X	-13.496	-13.496	0	%100
20	M21	Z	0	0	0	%100
21	M27	X	-9.421	-9.421	0	%100
22	M27	Z	0	0	0	%100
23	M28	X	0	0	0	%100
24	M28	Z	0	0	0	%100
25	M35	X	-13.496	-13.496	0	%100
26	M35	Z	0	0	0	%100
27	M41	X	0	0	0	%100
28	M41	Z	0	0	0	%100
29	M42	X	-9.421	-9.421	0	%100
30	M42	Z	0	0	0	%100
31	M48	X	-16.811	-16.811	0	%100
32	M48	Z	0	0	0	%100
33	M49	X	-.195	-.195	0	%100
34	M49	Z	0	0	0	%100
35	M53	X	-13.386	-13.386	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	-13.386	-13.386	0	%100
38	M54	Z	0	0	0	%100
39	M59	X	-.195	-.195	0	%100
40	M59	Z	0	0	0	%100
41	M60	X	-16.811	-16.811	0	%100
42	M60	Z	0	0	0	%100
43	M62	X	-6.269	-6.269	0	%100
44	M62	Z	0	0	0	%100
45	M64	X	-13.397	-13.397	0	%100
46	M64	Z	0	0	0	%100
47	M66	X	-1.337	-1.337	0	%100
48	M66	Z	0	0	0	%100
49	M100	X	-7.672	-7.672	0	%100
50	M100	Z	0	0	0	%100
51	M101	X	0	0	0	%100
52	M101	Z	0	0	0	%100
53	M102	X	-7.672	-7.672	0	%100
54	M102	Z	0	0	0	%100
55	M105	X	0	0	0	%100
56	M105	Z	0	0	0	%100
57	M108	X	-8.358	-8.358	0	%100
58	M108	Z	0	0	0	%100
59	M111	X	-8.358	-8.358	0	%100
60	M111	Z	0	0	0	%100
61	M134A	X	-12.92	-12.92	0	%100
62	M134A	Z	0	0	0	%100
63	M135A	X	-12.92	-12.92	0	%100
64	M135A	Z	0	0	0	%100
65	M136	X	-12.92	-12.92	0	%100
66	M136	Z	0	0	0	%100
67	M131A	X	0	0	0	%100
68	M131A	Z	0	0	0	%100
69	M132A	X	0	0	0	%100
70	M132A	Z	0	0	0	%100
71	M135B	X	-12.92	-12.92	0	%100
72	M135B	Z	0	0	0	%100
73	M136A	X	-12.92	-12.92	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
74	M136A	Z	0	0	0	%100
75	MP1A	X	-10.229	-10.229	0	%100
76	MP1A	Z	0	0	0	%100
77	M97	X	-10.105	-10.105	0	%100
78	M97	Z	0	0	0	%100
79	M98	X	0	0	0	%100
80	M98	Z	0	0	0	%100
81	M99	X	-10.105	-10.105	0	%100
82	M99	Z	0	0	0	%100
83	M102A	X	-13.472	-13.472	0	%100
84	M102A	Z	0	0	0	%100
85	M102B	X	0	0	0	%100
86	M102B	Z	0	0	0	%100
87	M103B	X	0	0	0	%100
88	M103B	Z	0	0	0	%100
89	M105A	X	-12.92	-12.92	0	%100
90	M105A	Z	0	0	0	%100
91	M106A	X	-13.472	-13.472	0	%100
92	M106A	Z	0	0	0	%100
93	MP2A	X	-12.382	-12.382	0	%100
94	MP2A	Z	0	0	0	%100
95	MP3A	X	-10.229	-10.229	0	%100
96	MP3A	Z	0	0	0	%100
97	MP4A	X	-10.229	-10.229	0	%100
98	MP4A	Z	0	0	0	%100
99	MP1C	X	-10.229	-10.229	0	%100
100	MP1C	Z	0	0	0	%100
101	MP2C	X	-12.382	-12.382	0	%100
102	MP2C	Z	0	0	0	%100
103	MP3C	X	-10.229	-10.229	0	%100
104	MP3C	Z	0	0	0	%100
105	MP4C	X	-10.229	-10.229	0	%100
106	MP4C	Z	0	0	0	%100
107	MP1B	X	-10.229	-10.229	0	%100
108	MP1B	Z	0	0	0	%100
109	MP2B	X	-12.382	-12.382	0	%100
110	MP2B	Z	0	0	0	%100
111	MP3B	X	-10.229	-10.229	0	%100
112	MP3B	Z	0	0	0	%100
113	MP4B	X	-10.229	-10.229	0	%100
114	MP4B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-11.668	-11.668	0	%100
2	M1	Z	-6.737	-6.737	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-2.917	-2.917	0	%100
6	M3	Z	-1.684	-1.684	0	%100
7	M4	X	-22.379	-22.379	0	%100
8	M4	Z	-12.92	-12.92	0	%100
9	M5	X	-2.917	-2.917	0	%100
10	M5	Z	-1.684	-1.684	0	%100
11	M6	X	-22.379	-22.379	0	%100
12	M6	Z	-12.92	-12.92	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
13	M7	X	-3.896	-3.896	0	%100
14	M7	Z	-2.249	-2.249	0	%100
15	M13	X	-2.72	-2.72	0	%100
16	M13	Z	-1.57	-1.57	0	%100
17	M14	X	-10.879	-10.879	0	%100
18	M14	Z	-6.281	-6.281	0	%100
19	M21	X	-3.896	-3.896	0	%100
20	M21	Z	-2.249	-2.249	0	%100
21	M27	X	-10.879	-10.879	0	%100
22	M27	Z	-6.281	-6.281	0	%100
23	M28	X	-2.72	-2.72	0	%100
24	M28	Z	-1.57	-1.57	0	%100
25	M35	X	-15.583	-15.583	0	%100
26	M35	Z	-8.997	-8.997	0	%100
27	M41	X	-2.72	-2.72	0	%100
28	M41	Z	-1.57	-1.57	0	%100
29	M42	X	-2.72	-2.72	0	%100
30	M42	Z	-1.57	-1.57	0	%100
31	M48	X	-5.954	-5.954	0	%100
32	M48	Z	-3.438	-3.438	0	%100
33	M49	X	-5.954	-5.954	0	%100
34	M49	Z	-3.438	-3.438	0	%100
35	M53	X	-17.378	-17.378	0	%100
36	M53	Z	-10.033	-10.033	0	%100
37	M54	X	-2.988	-2.988	0	%100
38	M54	Z	-1.725	-1.725	0	%100
39	M59	X	-2.988	-2.988	0	%100
40	M59	Z	-1.725	-1.725	0	%100
41	M60	X	-17.378	-17.378	0	%100
42	M60	Z	-10.033	-10.033	0	%100
43	M62	X	-.524	-.524	0	%100
44	M62	Z	-.303	-.303	0	%100
45	M64	X	-10.968	-10.968	0	%100
46	M64	Z	-6.333	-6.333	0	%100
47	M66	X	-6.697	-6.697	0	%100
48	M66	Z	-3.866	-3.866	0	%100
49	M100	X	-8.858	-8.858	0	%100
50	M100	Z	-5.114	-5.114	0	%100
51	M101	X	-2.215	-2.215	0	%100
52	M101	Z	-1.279	-1.279	0	%100
53	M102	X	-2.215	-2.215	0	%100
54	M102	Z	-1.279	-1.279	0	%100
55	M105	X	-2.413	-2.413	0	%100
56	M105	Z	-1.393	-1.393	0	%100
57	M108	X	-2.413	-2.413	0	%100
58	M108	Z	-1.393	-1.393	0	%100
59	M111	X	-9.651	-9.651	0	%100
60	M111	Z	-5.572	-5.572	0	%100
61	M134A	X	-14.919	-14.919	0	%100
62	M134A	Z	-8.614	-8.614	0	%100
63	M135A	X	-14.919	-14.919	0	%100
64	M135A	Z	-8.614	-8.614	0	%100
65	M136	X	-14.919	-14.919	0	%100
66	M136	Z	-8.614	-8.614	0	%100
67	M131A	X	-3.73	-3.73	0	%100
68	M131A	Z	-2.153	-2.153	0	%100
69	M132A	X	-3.73	-3.73	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
70	M132A	Z	-2.153	-2.153	0	%100
71	M135B	X	-3.73	-3.73	0	%100
72	M135B	Z	-2.153	-2.153	0	%100
73	M136A	X	-3.73	-3.73	0	%100
74	M136A	Z	-2.153	-2.153	0	%100
75	MP1A	X	-8.858	-8.858	0	%100
76	MP1A	Z	-5.114	-5.114	0	%100
77	M97	X	-11.668	-11.668	0	%100
78	M97	Z	-6.737	-6.737	0	%100
79	M98	X	-2.917	-2.917	0	%100
80	M98	Z	-1.684	-1.684	0	%100
81	M99	X	-2.917	-2.917	0	%100
82	M99	Z	-1.684	-1.684	0	%100
83	M102A	X	-15.557	-15.557	0	%100
84	M102A	Z	-8.982	-8.982	0	%100
85	M102B	X	-3.73	-3.73	0	%100
86	M102B	Z	-2.153	-2.153	0	%100
87	M103B	X	-3.889	-3.889	0	%100
88	M103B	Z	-2.245	-2.245	0	%100
89	M105A	X	-3.73	-3.73	0	%100
90	M105A	Z	-2.153	-2.153	0	%100
91	M106A	X	-3.889	-3.889	0	%100
92	M106A	Z	-2.245	-2.245	0	%100
93	MP2A	X	-10.723	-10.723	0	%100
94	MP2A	Z	-6.191	-6.191	0	%100
95	MP3A	X	-8.858	-8.858	0	%100
96	MP3A	Z	-5.114	-5.114	0	%100
97	MP4A	X	-8.858	-8.858	0	%100
98	MP4A	Z	-5.114	-5.114	0	%100
99	MP1C	X	-8.858	-8.858	0	%100
100	MP1C	Z	-5.114	-5.114	0	%100
101	MP2C	X	-10.723	-10.723	0	%100
102	MP2C	Z	-6.191	-6.191	0	%100
103	MP3C	X	-8.858	-8.858	0	%100
104	MP3C	Z	-5.114	-5.114	0	%100
105	MP4C	X	-8.858	-8.858	0	%100
106	MP4C	Z	-5.114	-5.114	0	%100
107	MP1B	X	-8.858	-8.858	0	%100
108	MP1B	Z	-5.114	-5.114	0	%100
109	MP2B	X	-10.723	-10.723	0	%100
110	MP2B	Z	-6.191	-6.191	0	%100
111	MP3B	X	-8.858	-8.858	0	%100
112	MP3B	Z	-5.114	-5.114	0	%100
113	MP4B	X	-8.858	-8.858	0	%100
114	MP4B	Z	-5.114	-5.114	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-5.052	-5.052	0	%100
2	M1	Z	-8.751	-8.751	0	%100
3	M2	X	-4.307	-4.307	0	%100
4	M2	Z	-7.46	-7.46	0	%100
5	M3	X	-5.052	-5.052	0	%100
6	M3	Z	-8.751	-8.751	0	%100
7	M4	X	-4.307	-4.307	0	%100
8	M4	Z	-7.46	-7.46	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	-17.227	-17.227	0	%100
12	M6	Z	-29.838	-29.838	0	%100
13	M7	X	-6.748	-6.748	0	%100
14	M7	Z	-11.688	-11.688	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	0	0	0	%100
17	M14	X	-4.711	-4.711	0	%100
18	M14	Z	-8.159	-8.159	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	0	0	0	%100
21	M27	X	-4.711	-4.711	0	%100
22	M27	Z	-8.159	-8.159	0	%100
23	M28	X	-4.711	-4.711	0	%100
24	M28	Z	-8.159	-8.159	0	%100
25	M35	X	-6.748	-6.748	0	%100
26	M35	Z	-11.688	-11.688	0	%100
27	M41	X	-4.711	-4.711	0	%100
28	M41	Z	-8.159	-8.159	0	%100
29	M42	X	0	0	0	%100
30	M42	Z	0	0	0	%100
31	M48	X	-.097	-.097	0	%100
32	M48	Z	-.169	-.169	0	%100
33	M49	X	-8.405	-8.405	0	%100
34	M49	Z	-14.559	-14.559	0	%100
35	M53	X	-8.406	-8.406	0	%100
36	M53	Z	-14.559	-14.559	0	%100
37	M54	X	-.097	-.097	0	%100
38	M54	Z	-.169	-.169	0	%100
39	M59	X	-6.693	-6.693	0	%100
40	M59	Z	-11.593	-11.593	0	%100
41	M60	X	-6.693	-6.693	0	%100
42	M60	Z	-11.593	-11.593	0	%100
43	M62	X	-.669	-.669	0	%100
44	M62	Z	-1.158	-1.158	0	%100
45	M64	X	-3.135	-3.135	0	%100
46	M64	Z	-5.429	-5.429	0	%100
47	M66	X	-6.698	-6.698	0	%100
48	M66	Z	-11.602	-11.602	0	%100
49	M100	X	-3.836	-3.836	0	%100
50	M100	Z	-6.644	-6.644	0	%100
51	M101	X	-3.836	-3.836	0	%100
52	M101	Z	-6.644	-6.644	0	%100
53	M102	X	0	0	0	%100
54	M102	Z	0	0	0	%100
55	M105	X	-4.179	-4.179	0	%100
56	M105	Z	-7.238	-7.238	0	%100
57	M108	X	0	0	0	%100
58	M108	Z	0	0	0	%100
59	M111	X	-4.179	-4.179	0	%100
60	M111	Z	-7.238	-7.238	0	%100
61	M134A	X	-6.46	-6.46	0	%100
62	M134A	Z	-11.189	-11.189	0	%100
63	M135A	X	-6.46	-6.46	0	%100
64	M135A	Z	-11.189	-11.189	0	%100
65	M136	X	-6.46	-6.46	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
66	M136	Z	-11.189	-11.189	0	%100
67	M131A	X	-6.46	-6.46	0	%100
68	M131A	Z	-11.189	-11.189	0	%100
69	M132A	X	-6.46	-6.46	0	%100
70	M132A	Z	-11.189	-11.189	0	%100
71	M135B	X	0	0	0	%100
72	M135B	Z	0	0	0	%100
73	M136A	X	0	0	0	%100
74	M136A	Z	0	0	0	%100
75	MP1A	X	-5.114	-5.114	0	%100
76	MP1A	Z	-8.858	-8.858	0	%100
77	M97	X	-5.052	-5.052	0	%100
78	M97	Z	-8.751	-8.751	0	%100
79	M98	X	-5.052	-5.052	0	%100
80	M98	Z	-8.751	-8.751	0	%100
81	M99	X	0	0	0	%100
82	M99	Z	0	0	0	%100
83	M102A	X	-6.736	-6.736	0	%100
84	M102A	Z	-11.667	-11.667	0	%100
85	M102B	X	-6.46	-6.46	0	%100
86	M102B	Z	-11.189	-11.189	0	%100
87	M103B	X	-6.736	-6.736	0	%100
88	M103B	Z	-11.667	-11.667	0	%100
89	M105A	X	0	0	0	%100
90	M105A	Z	0	0	0	%100
91	M106A	X	0	0	0	%100
92	M106A	Z	0	0	0	%100
93	MP2A	X	-6.191	-6.191	0	%100
94	MP2A	Z	-10.723	-10.723	0	%100
95	MP3A	X	-5.114	-5.114	0	%100
96	MP3A	Z	-8.858	-8.858	0	%100
97	MP4A	X	-5.114	-5.114	0	%100
98	MP4A	Z	-8.858	-8.858	0	%100
99	MP1C	X	-5.114	-5.114	0	%100
100	MP1C	Z	-8.858	-8.858	0	%100
101	MP2C	X	-6.191	-6.191	0	%100
102	MP2C	Z	-10.723	-10.723	0	%100
103	MP3C	X	-5.114	-5.114	0	%100
104	MP3C	Z	-8.858	-8.858	0	%100
105	MP4C	X	-5.114	-5.114	0	%100
106	MP4C	Z	-8.858	-8.858	0	%100
107	MP1B	X	-5.114	-5.114	0	%100
108	MP1B	Z	-8.858	-8.858	0	%100
109	MP2B	X	-6.191	-6.191	0	%100
110	MP2B	Z	-10.723	-10.723	0	%100
111	MP3B	X	-5.114	-5.114	0	%100
112	MP3B	Z	-8.858	-8.858	0	%100
113	MP4B	X	-5.114	-5.114	0	%100
114	MP4B	Z	-8.858	-8.858	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-.947	-.947	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-4.807	-4.807	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
5	M3	X	0	0	0	%100
6	M3	Z	-3.79	-3.79	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	-.947	-.947	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	-4.807	-4.807	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	-3.894	-3.894	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	-.821	-.821	0	%100
17	M14	X	0	0	0	%100
18	M14	Z	-.821	-.821	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	-.973	-.973	0	%100
21	M27	X	0	0	0	%100
22	M27	Z	-.821	-.821	0	%100
23	M28	X	0	0	0	%100
24	M28	Z	-3.282	-3.282	0	%100
25	M35	X	0	0	0	%100
26	M35	Z	-.973	-.973	0	%100
27	M41	X	0	0	0	%100
28	M41	Z	-3.282	-3.282	0	%100
29	M42	X	0	0	0	%100
30	M42	Z	-.821	-.821	0	%100
31	M48	X	0	0	0	%100
32	M48	Z	-.756	-.756	0	%100
33	M49	X	0	0	0	%100
34	M49	Z	-4.4	-4.4	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	-1.507	-1.507	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	-1.507	-1.507	0	%100
39	M59	X	0	0	0	%100
40	M59	Z	-4.4	-4.4	0	%100
41	M60	X	0	0	0	%100
42	M60	Z	-.756	-.756	0	%100
43	M62	X	0	0	0	%100
44	M62	Z	-2	-2	0	%100
45	M64	X	0	0	0	%100
46	M64	Z	-.157	-.157	0	%100
47	M66	X	0	0	0	%100
48	M66	Z	-3.275	-3.275	0	%100
49	M100	X	0	0	0	%100
50	M100	Z	-.794	-.794	0	%100
51	M101	X	0	0	0	%100
52	M101	Z	-3.174	-3.174	0	%100
53	M102	X	0	0	0	%100
54	M102	Z	-.794	-.794	0	%100
55	M105	X	0	0	0	%100
56	M105	Z	-2.719	-2.719	0	%100
57	M108	X	0	0	0	%100
58	M108	Z	-.68	-.68	0	%100
59	M111	X	0	0	0	%100
60	M111	Z	-.68	-.68	0	%100
61	M134A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
62	M134A	Z	-.913	-.913	0	%100
63	M135A	X	0	0	0	%100
64	M135A	Z	-.916	-.916	0	%100
65	M136	X	0	0	0	%100
66	M136	Z	-.916	-.916	0	%100
67	M131A	X	0	0	0	%100
68	M131A	Z	-3.665	-3.665	0	%100
69	M132A	X	0	0	0	%100
70	M132A	Z	-3.665	-3.665	0	%100
71	M135B	X	0	0	0	%100
72	M135B	Z	-.916	-.916	0	%100
73	M136A	X	0	0	0	%100
74	M136A	Z	-.916	-.916	0	%100
75	MP1A	X	0	0	0	%100
76	MP1A	Z	-3.174	-3.174	0	%100
77	M97	X	0	0	0	%100
78	M97	Z	-.947	-.947	0	%100
79	M98	X	0	0	0	%100
80	M98	Z	-3.79	-3.79	0	%100
81	M99	X	0	0	0	%100
82	M99	Z	-.947	-.947	0	%100
83	M102A	X	0	0	0	%100
84	M102A	Z	-1.007	-1.007	0	%100
85	M102B	X	0	0	0	%100
86	M102B	Z	-3.653	-3.653	0	%100
87	M103B	X	0	0	0	%100
88	M103B	Z	-4.026	-4.026	0	%100
89	M105A	X	0	0	0	%100
90	M105A	Z	-.913	-.913	0	%100
91	M106A	X	0	0	0	%100
92	M106A	Z	-1.007	-1.007	0	%100
93	MP2A	X	0	0	0	%100
94	MP2A	Z	-3.519	-3.519	0	%100
95	MP3A	X	0	0	0	%100
96	MP3A	Z	-3.174	-3.174	0	%100
97	MP4A	X	0	0	0	%100
98	MP4A	Z	-3.174	-3.174	0	%100
99	MP1C	X	0	0	0	%100
100	MP1C	Z	-3.174	-3.174	0	%100
101	MP2C	X	0	0	0	%100
102	MP2C	Z	-3.519	-3.519	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	-3.174	-3.174	0	%100
105	MP4C	X	0	0	0	%100
106	MP4C	Z	-3.174	-3.174	0	%100
107	MP1B	X	0	0	0	%100
108	MP1B	Z	-3.174	-3.174	0	%100
109	MP2B	X	0	0	0	%100
110	MP2B	Z	-3.519	-3.519	0	%100
111	MP3B	X	0	0	0	%100
112	MP3B	Z	-3.174	-3.174	0	%100
113	MP4B	X	0	0	0	%100
114	MP4B	Z	-3.174	-3.174	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	3.205	3.205	0	%100
4	M2	Z	-5.551	-5.551	0	%100
5	M3	X	1.421	1.421	0	%100
6	M3	Z	-2.462	-2.462	0	%100
7	M4	X	.801	.801	0	%100
8	M4	Z	-1.388	-1.388	0	%100
9	M5	X	1.421	1.421	0	%100
10	M5	Z	-2.462	-2.462	0	%100
11	M6	X	.801	.801	0	%100
12	M6	Z	-1.388	-1.388	0	%100
13	M7	X	1.46	1.46	0	%100
14	M7	Z	-2.529	-2.529	0	%100
15	M13	X	1.231	1.231	0	%100
16	M13	Z	-2.132	-2.132	0	%100
17	M14	X	0	0	0	%100
18	M14	Z	0	0	0	%100
19	M21	X	1.46	1.46	0	%100
20	M21	Z	-2.529	-2.529	0	%100
21	M27	X	0	0	0	%100
22	M27	Z	0	0	0	%100
23	M28	X	1.231	1.231	0	%100
24	M28	Z	-2.132	-2.132	0	%100
25	M35	X	0	0	0	%100
26	M35	Z	0	0	0	%100
27	M41	X	1.231	1.231	0	%100
28	M41	Z	-2.132	-2.132	0	%100
29	M42	X	1.231	1.231	0	%100
30	M42	Z	-2.132	-2.132	0	%100
31	M48	X	1.467	1.467	0	%100
32	M48	Z	-2.542	-2.542	0	%100
33	M49	X	1.467	1.467	0	%100
34	M49	Z	-2.542	-2.542	0	%100
35	M53	X	.021	.021	0	%100
36	M53	Z	-.037	-.037	0	%100
37	M54	X	1.843	1.843	0	%100
38	M54	Z	-3.192	-3.192	0	%100
39	M59	X	1.843	1.843	0	%100
40	M59	Z	-3.192	-3.192	0	%100
41	M60	X	.021	.021	0	%100
42	M60	Z	-.037	-.037	0	%100
43	M62	X	1.732	1.732	0	%100
44	M62	Z	-3.001	-3.001	0	%100
45	M64	X	.173	.173	0	%100
46	M64	Z	-.299	-.299	0	%100
47	M66	X	.811	.811	0	%100
48	M66	Z	-1.404	-1.404	0	%100
49	M100	X	0	0	0	%100
50	M100	Z	0	0	0	%100
51	M101	X	1.19	1.19	0	%100
52	M101	Z	-2.062	-2.062	0	%100
53	M102	X	1.19	1.19	0	%100
54	M102	Z	-2.062	-2.062	0	%100
55	M105	X	1.02	1.02	0	%100
56	M105	Z	-1.766	-1.766	0	%100
57	M108	X	1.02	1.02	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M108	Z	-1.766	-1.766	0	%100
59	M111	X	0	0	0	%100
60	M111	Z	0	0	0	%100
61	M134A	X	0	0	0	%100
62	M134A	Z	0	0	0	%100
63	M135A	X	0	0	0	%100
64	M135A	Z	0	0	0	%100
65	M136	X	0	0	0	%100
66	M136	Z	0	0	0	%100
67	M131A	X	1.374	1.374	0	%100
68	M131A	Z	-2.381	-2.381	0	%100
69	M132A	X	1.374	1.374	0	%100
70	M132A	Z	-2.381	-2.381	0	%100
71	M135B	X	1.374	1.374	0	%100
72	M135B	Z	-2.381	-2.381	0	%100
73	M136A	X	1.374	1.374	0	%100
74	M136A	Z	-2.381	-2.381	0	%100
75	MP1A	X	1.587	1.587	0	%100
76	MP1A	Z	-2.749	-2.749	0	%100
77	M97	X	0	0	0	%100
78	M97	Z	0	0	0	%100
79	M98	X	1.421	1.421	0	%100
80	M98	Z	-2.462	-2.462	0	%100
81	M99	X	1.421	1.421	0	%100
82	M99	Z	-2.462	-2.462	0	%100
83	M102A	X	0	0	0	%100
84	M102A	Z	0	0	0	%100
85	M102B	X	1.37	1.37	0	%100
86	M102B	Z	-2.373	-2.373	0	%100
87	M103B	X	1.51	1.51	0	%100
88	M103B	Z	-2.615	-2.615	0	%100
89	M105A	X	1.37	1.37	0	%100
90	M105A	Z	-2.373	-2.373	0	%100
91	M106A	X	1.51	1.51	0	%100
92	M106A	Z	-2.615	-2.615	0	%100
93	MP2A	X	1.759	1.759	0	%100
94	MP2A	Z	-3.047	-3.047	0	%100
95	MP3A	X	1.587	1.587	0	%100
96	MP3A	Z	-2.749	-2.749	0	%100
97	MP4A	X	1.587	1.587	0	%100
98	MP4A	Z	-2.749	-2.749	0	%100
99	MP1C	X	1.587	1.587	0	%100
100	MP1C	Z	-2.749	-2.749	0	%100
101	MP2C	X	1.759	1.759	0	%100
102	MP2C	Z	-3.047	-3.047	0	%100
103	MP3C	X	1.587	1.587	0	%100
104	MP3C	Z	-2.749	-2.749	0	%100
105	MP4C	X	1.587	1.587	0	%100
106	MP4C	Z	-2.749	-2.749	0	%100
107	MP1B	X	1.587	1.587	0	%100
108	MP1B	Z	-2.749	-2.749	0	%100
109	MP2B	X	1.759	1.759	0	%100
110	MP2B	Z	-3.047	-3.047	0	%100
111	MP3B	X	1.587	1.587	0	%100
112	MP3B	Z	-2.749	-2.749	0	%100
113	MP4B	X	1.587	1.587	0	%100
114	MP4B	Z	-2.749	-2.749	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.821	.821	0	%100
2	M1	Z	-.474	-.474	0	%100
3	M2	X	4.163	4.163	0	%100
4	M2	Z	-2.404	-2.404	0	%100
5	M3	X	.821	.821	0	%100
6	M3	Z	-.474	-.474	0	%100
7	M4	X	4.163	4.163	0	%100
8	M4	Z	-2.404	-2.404	0	%100
9	M5	X	3.282	3.282	0	%100
10	M5	Z	-1.895	-1.895	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	.843	.843	0	%100
14	M7	Z	-.487	-.487	0	%100
15	M13	X	2.843	2.843	0	%100
16	M13	Z	-1.641	-1.641	0	%100
17	M14	X	.711	.711	0	%100
18	M14	Z	-.41	-.41	0	%100
19	M21	X	3.372	3.372	0	%100
20	M21	Z	-1.947	-1.947	0	%100
21	M27	X	.711	.711	0	%100
22	M27	Z	-.41	-.41	0	%100
23	M28	X	.711	.711	0	%100
24	M28	Z	-.41	-.41	0	%100
25	M35	X	.843	.843	0	%100
26	M35	Z	-.487	-.487	0	%100
27	M41	X	.711	.711	0	%100
28	M41	Z	-.41	-.41	0	%100
29	M42	X	2.843	2.843	0	%100
30	M42	Z	-1.641	-1.641	0	%100
31	M48	X	3.81	3.81	0	%100
32	M48	Z	-2.2	-2.2	0	%100
33	M49	X	.655	.655	0	%100
34	M49	Z	-.378	-.378	0	%100
35	M53	X	.655	.655	0	%100
36	M53	Z	-.378	-.378	0	%100
37	M54	X	3.81	3.81	0	%100
38	M54	Z	-2.2	-2.2	0	%100
39	M59	X	1.305	1.305	0	%100
40	M59	Z	-.754	-.754	0	%100
41	M60	X	1.305	1.305	0	%100
42	M60	Z	-.754	-.754	0	%100
43	M62	X	2.837	2.837	0	%100
44	M62	Z	-1.638	-1.638	0	%100
45	M64	X	1.732	1.732	0	%100
46	M64	Z	-1	-1	0	%100
47	M66	X	.136	.136	0	%100
48	M66	Z	-.078	-.078	0	%100
49	M100	X	.687	.687	0	%100
50	M100	Z	-.397	-.397	0	%100
51	M101	X	.687	.687	0	%100
52	M101	Z	-.397	-.397	0	%100
53	M102	X	2.749	2.749	0	%100
54	M102	Z	-1.587	-1.587	0	%100
55	M105	X	.589	.589	0	%100
56	M105	Z	-.34	-.34	0	%100
57	M108	X	2.354	2.354	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M108	Z	-1.359	-1.359	0	%100
59	M111	X	.589	.589	0	%100
60	M111	Z	-.34	-.34	0	%100
61	M134A	X	.791	.791	0	%100
62	M134A	Z	-.457	-.457	0	%100
63	M135A	X	.794	.794	0	%100
64	M135A	Z	-.458	-.458	0	%100
65	M136	X	.794	.794	0	%100
66	M136	Z	-.458	-.458	0	%100
67	M131A	X	.794	.794	0	%100
68	M131A	Z	-.458	-.458	0	%100
69	M132A	X	.794	.794	0	%100
70	M132A	Z	-.458	-.458	0	%100
71	M135B	X	3.174	3.174	0	%100
72	M135B	Z	-1.833	-1.833	0	%100
73	M136A	X	3.174	3.174	0	%100
74	M136A	Z	-1.833	-1.833	0	%100
75	MP1A	X	2.749	2.749	0	%100
76	MP1A	Z	-1.587	-1.587	0	%100
77	M97	X	.821	.821	0	%100
78	M97	Z	-.474	-.474	0	%100
79	M98	X	.821	.821	0	%100
80	M98	Z	-.474	-.474	0	%100
81	M99	X	3.282	3.282	0	%100
82	M99	Z	-1.895	-1.895	0	%100
83	M102A	X	.872	.872	0	%100
84	M102A	Z	-.503	-.503	0	%100
85	M102B	X	.791	.791	0	%100
86	M102B	Z	-.457	-.457	0	%100
87	M103B	X	.872	.872	0	%100
88	M103B	Z	-.503	-.503	0	%100
89	M105A	X	3.164	3.164	0	%100
90	M105A	Z	-1.827	-1.827	0	%100
91	M106A	X	3.487	3.487	0	%100
92	M106A	Z	-2.013	-2.013	0	%100
93	MP2A	X	3.047	3.047	0	%100
94	MP2A	Z	-1.759	-1.759	0	%100
95	MP3A	X	2.749	2.749	0	%100
96	MP3A	Z	-1.587	-1.587	0	%100
97	MP4A	X	2.749	2.749	0	%100
98	MP4A	Z	-1.587	-1.587	0	%100
99	MP1C	X	2.749	2.749	0	%100
100	MP1C	Z	-1.587	-1.587	0	%100
101	MP2C	X	3.047	3.047	0	%100
102	MP2C	Z	-1.759	-1.759	0	%100
103	MP3C	X	2.749	2.749	0	%100
104	MP3C	Z	-1.587	-1.587	0	%100
105	MP4C	X	2.749	2.749	0	%100
106	MP4C	Z	-1.587	-1.587	0	%100
107	MP1B	X	2.749	2.749	0	%100
108	MP1B	Z	-1.587	-1.587	0	%100
109	MP2B	X	3.047	3.047	0	%100
110	MP2B	Z	-1.759	-1.759	0	%100
111	MP3B	X	2.749	2.749	0	%100
112	MP3B	Z	-1.587	-1.587	0	%100
113	MP4B	X	2.749	2.749	0	%100
114	MP4B	Z	-1.587	-1.587	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.842	2.842	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	1.602	1.602	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	6.41	6.41	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	2.842	2.842	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	1.602	1.602	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M13	X	2.462	2.462	0	%100
16	M13	Z	0	0	0	%100
17	M14	X	2.462	2.462	0	%100
18	M14	Z	0	0	0	%100
19	M21	X	2.92	2.92	0	%100
20	M21	Z	0	0	0	%100
21	M27	X	2.462	2.462	0	%100
22	M27	Z	0	0	0	%100
23	M28	X	0	0	0	%100
24	M28	Z	0	0	0	%100
25	M35	X	2.92	2.92	0	%100
26	M35	Z	0	0	0	%100
27	M41	X	0	0	0	%100
28	M41	Z	0	0	0	%100
29	M42	X	2.462	2.462	0	%100
30	M42	Z	0	0	0	%100
31	M48	X	3.686	3.686	0	%100
32	M48	Z	0	0	0	%100
33	M49	X	.043	.043	0	%100
34	M49	Z	0	0	0	%100
35	M53	X	2.935	2.935	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	2.935	2.935	0	%100
38	M54	Z	0	0	0	%100
39	M59	X	.043	.043	0	%100
40	M59	Z	0	0	0	%100
41	M60	X	3.686	3.686	0	%100
42	M60	Z	0	0	0	%100
43	M62	X	1.621	1.621	0	%100
44	M62	Z	0	0	0	%100
45	M64	X	3.465	3.465	0	%100
46	M64	Z	0	0	0	%100
47	M66	X	.346	.346	0	%100
48	M66	Z	0	0	0	%100
49	M100	X	2.381	2.381	0	%100
50	M100	Z	0	0	0	%100
51	M101	X	0	0	0	%100
52	M101	Z	0	0	0	%100
53	M102	X	2.381	2.381	0	%100
54	M102	Z	0	0	0	%100
55	M105	X	0	0	0	%100
56	M105	Z	0	0	0	%100
57	M108	X	2.039	2.039	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M108	Z	0	0	0	%100
59	M111	X	2.039	2.039	0	%100
60	M111	Z	0	0	0	%100
61	M134A	X	2.74	2.74	0	%100
62	M134A	Z	0	0	0	%100
63	M135A	X	2.749	2.749	0	%100
64	M135A	Z	0	0	0	%100
65	M136	X	2.749	2.749	0	%100
66	M136	Z	0	0	0	%100
67	M131A	X	0	0	0	%100
68	M131A	Z	0	0	0	%100
69	M132A	X	0	0	0	%100
70	M132A	Z	0	0	0	%100
71	M135B	X	2.749	2.749	0	%100
72	M135B	Z	0	0	0	%100
73	M136A	X	2.749	2.749	0	%100
74	M136A	Z	0	0	0	%100
75	MP1A	X	3.174	3.174	0	%100
76	MP1A	Z	0	0	0	%100
77	M97	X	2.842	2.842	0	%100
78	M97	Z	0	0	0	%100
79	M98	X	0	0	0	%100
80	M98	Z	0	0	0	%100
81	M99	X	2.842	2.842	0	%100
82	M99	Z	0	0	0	%100
83	M102A	X	3.02	3.02	0	%100
84	M102A	Z	0	0	0	%100
85	M102B	X	0	0	0	%100
86	M102B	Z	0	0	0	%100
87	M103B	X	0	0	0	%100
88	M103B	Z	0	0	0	%100
89	M105A	X	2.74	2.74	0	%100
90	M105A	Z	0	0	0	%100
91	M106A	X	3.02	3.02	0	%100
92	M106A	Z	0	0	0	%100
93	MP2A	X	3.519	3.519	0	%100
94	MP2A	Z	0	0	0	%100
95	MP3A	X	3.174	3.174	0	%100
96	MP3A	Z	0	0	0	%100
97	MP4A	X	3.174	3.174	0	%100
98	MP4A	Z	0	0	0	%100
99	MP1C	X	3.174	3.174	0	%100
100	MP1C	Z	0	0	0	%100
101	MP2C	X	3.519	3.519	0	%100
102	MP2C	Z	0	0	0	%100
103	MP3C	X	3.174	3.174	0	%100
104	MP3C	Z	0	0	0	%100
105	MP4C	X	3.174	3.174	0	%100
106	MP4C	Z	0	0	0	%100
107	MP1B	X	3.174	3.174	0	%100
108	MP1B	Z	0	0	0	%100
109	MP2B	X	3.519	3.519	0	%100
110	MP2B	Z	0	0	0	%100
111	MP3B	X	3.174	3.174	0	%100
112	MP3B	Z	0	0	0	%100
113	MP4B	X	3.174	3.174	0	%100
114	MP4B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	3.282	3.282	0	%100
2	M1	Z	1.895	1.895	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	.821	.821	0	%100
6	M3	Z	.474	.474	0	%100
7	M4	X	4.163	4.163	0	%100
8	M4	Z	2.404	2.404	0	%100
9	M5	X	.821	.821	0	%100
10	M5	Z	.474	.474	0	%100
11	M6	X	4.163	4.163	0	%100
12	M6	Z	2.404	2.404	0	%100
13	M7	X	.843	.843	0	%100
14	M7	Z	.487	.487	0	%100
15	M13	X	.711	.711	0	%100
16	M13	Z	.41	.41	0	%100
17	M14	X	2.843	2.843	0	%100
18	M14	Z	1.641	1.641	0	%100
19	M21	X	.843	.843	0	%100
20	M21	Z	.487	.487	0	%100
21	M27	X	2.843	2.843	0	%100
22	M27	Z	1.641	1.641	0	%100
23	M28	X	.711	.711	0	%100
24	M28	Z	.41	.41	0	%100
25	M35	X	3.372	3.372	0	%100
26	M35	Z	1.947	1.947	0	%100
27	M41	X	.711	.711	0	%100
28	M41	Z	.41	.41	0	%100
29	M42	X	.711	.711	0	%100
30	M42	Z	.41	.41	0	%100
31	M48	X	1.305	1.305	0	%100
32	M48	Z	.754	.754	0	%100
33	M49	X	1.305	1.305	0	%100
34	M49	Z	.754	.754	0	%100
35	M53	X	3.81	3.81	0	%100
36	M53	Z	2.2	2.2	0	%100
37	M54	X	.655	.655	0	%100
38	M54	Z	.378	.378	0	%100
39	M59	X	.655	.655	0	%100
40	M59	Z	.378	.378	0	%100
41	M60	X	3.81	3.81	0	%100
42	M60	Z	2.2	2.2	0	%100
43	M62	X	.136	.136	0	%100
44	M62	Z	.078	.078	0	%100
45	M64	X	2.837	2.837	0	%100
46	M64	Z	1.638	1.638	0	%100
47	M66	X	1.732	1.732	0	%100
48	M66	Z	1	1	0	%100
49	M100	X	2.749	2.749	0	%100
50	M100	Z	1.587	1.587	0	%100
51	M101	X	.687	.687	0	%100
52	M101	Z	.397	.397	0	%100
53	M102	X	.687	.687	0	%100
54	M102	Z	.397	.397	0	%100
55	M105	X	.589	.589	0	%100
56	M105	Z	.34	.34	0	%100
57	M108	X	.589	.589	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M108	Z	.34	.34	0	%100
59	M111	X	2.354	2.354	0	%100
60	M111	Z	1.359	1.359	0	%100
61	M134A	X	3.164	3.164	0	%100
62	M134A	Z	1.827	1.827	0	%100
63	M135A	X	3.174	3.174	0	%100
64	M135A	Z	1.833	1.833	0	%100
65	M136	X	3.174	3.174	0	%100
66	M136	Z	1.833	1.833	0	%100
67	M131A	X	.794	.794	0	%100
68	M131A	Z	.458	.458	0	%100
69	M132A	X	.794	.794	0	%100
70	M132A	Z	.458	.458	0	%100
71	M135B	X	.794	.794	0	%100
72	M135B	Z	.458	.458	0	%100
73	M136A	X	.794	.794	0	%100
74	M136A	Z	.458	.458	0	%100
75	MP1A	X	2.749	2.749	0	%100
76	MP1A	Z	1.587	1.587	0	%100
77	M97	X	3.282	3.282	0	%100
78	M97	Z	1.895	1.895	0	%100
79	M98	X	.821	.821	0	%100
80	M98	Z	.474	.474	0	%100
81	M99	X	.821	.821	0	%100
82	M99	Z	.474	.474	0	%100
83	M102A	X	3.487	3.487	0	%100
84	M102A	Z	2.013	2.013	0	%100
85	M102B	X	.791	.791	0	%100
86	M102B	Z	.457	.457	0	%100
87	M103B	X	.872	.872	0	%100
88	M103B	Z	.503	.503	0	%100
89	M105A	X	.791	.791	0	%100
90	M105A	Z	.457	.457	0	%100
91	M106A	X	.872	.872	0	%100
92	M106A	Z	.503	.503	0	%100
93	MP2A	X	3.047	3.047	0	%100
94	MP2A	Z	1.759	1.759	0	%100
95	MP3A	X	2.749	2.749	0	%100
96	MP3A	Z	1.587	1.587	0	%100
97	MP4A	X	2.749	2.749	0	%100
98	MP4A	Z	1.587	1.587	0	%100
99	MP1C	X	2.749	2.749	0	%100
100	MP1C	Z	1.587	1.587	0	%100
101	MP2C	X	3.047	3.047	0	%100
102	MP2C	Z	1.759	1.759	0	%100
103	MP3C	X	2.749	2.749	0	%100
104	MP3C	Z	1.587	1.587	0	%100
105	MP4C	X	2.749	2.749	0	%100
106	MP4C	Z	1.587	1.587	0	%100
107	MP1B	X	2.749	2.749	0	%100
108	MP1B	Z	1.587	1.587	0	%100
109	MP2B	X	3.047	3.047	0	%100
110	MP2B	Z	1.759	1.759	0	%100
111	MP3B	X	2.749	2.749	0	%100
112	MP3B	Z	1.587	1.587	0	%100
113	MP4B	X	2.749	2.749	0	%100
114	MP4B	Z	1.587	1.587	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.421	1.421	0	%100
2	M1	Z	2.462	2.462	0	%100
3	M2	X	.801	.801	0	%100
4	M2	Z	1.388	1.388	0	%100
5	M3	X	1.421	1.421	0	%100
6	M3	Z	2.462	2.462	0	%100
7	M4	X	.801	.801	0	%100
8	M4	Z	1.388	1.388	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	3.205	3.205	0	%100
12	M6	Z	5.551	5.551	0	%100
13	M7	X	1.46	1.46	0	%100
14	M7	Z	2.529	2.529	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	0	0	0	%100
17	M14	X	1.231	1.231	0	%100
18	M14	Z	2.132	2.132	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	0	0	0	%100
21	M27	X	1.231	1.231	0	%100
22	M27	Z	2.132	2.132	0	%100
23	M28	X	1.231	1.231	0	%100
24	M28	Z	2.132	2.132	0	%100
25	M35	X	1.46	1.46	0	%100
26	M35	Z	2.529	2.529	0	%100
27	M41	X	1.231	1.231	0	%100
28	M41	Z	2.132	2.132	0	%100
29	M42	X	0	0	0	%100
30	M42	Z	0	0	0	%100
31	M48	X	.021	.021	0	%100
32	M48	Z	.037	.037	0	%100
33	M49	X	1.843	1.843	0	%100
34	M49	Z	3.192	3.192	0	%100
35	M53	X	1.843	1.843	0	%100
36	M53	Z	3.192	3.192	0	%100
37	M54	X	.021	.021	0	%100
38	M54	Z	.037	.037	0	%100
39	M59	X	1.467	1.467	0	%100
40	M59	Z	2.542	2.542	0	%100
41	M60	X	1.467	1.467	0	%100
42	M60	Z	2.542	2.542	0	%100
43	M62	X	.173	.173	0	%100
44	M62	Z	.299	.299	0	%100
45	M64	X	.811	.811	0	%100
46	M64	Z	1.404	1.404	0	%100
47	M66	X	1.732	1.732	0	%100
48	M66	Z	3.001	3.001	0	%100
49	M100	X	1.19	1.19	0	%100
50	M100	Z	2.062	2.062	0	%100
51	M101	X	1.19	1.19	0	%100
52	M101	Z	2.062	2.062	0	%100
53	M102	X	0	0	0	%100
54	M102	Z	0	0	0	%100
55	M105	X	1.02	1.02	0	%100
56	M105	Z	1.766	1.766	0	%100
57	M108	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M108	Z	0	0	0	%100
59	M111	X	1.02	1.02	0	%100
60	M111	Z	1.766	1.766	0	%100
61	M134A	X	1.37	1.37	0	%100
62	M134A	Z	2.373	2.373	0	%100
63	M135A	X	1.374	1.374	0	%100
64	M135A	Z	2.381	2.381	0	%100
65	M136	X	1.374	1.374	0	%100
66	M136	Z	2.381	2.381	0	%100
67	M131A	X	1.374	1.374	0	%100
68	M131A	Z	2.381	2.381	0	%100
69	M132A	X	1.374	1.374	0	%100
70	M132A	Z	2.381	2.381	0	%100
71	M135B	X	0	0	0	%100
72	M135B	Z	0	0	0	%100
73	M136A	X	0	0	0	%100
74	M136A	Z	0	0	0	%100
75	MP1A	X	1.587	1.587	0	%100
76	MP1A	Z	2.749	2.749	0	%100
77	M97	X	1.421	1.421	0	%100
78	M97	Z	2.462	2.462	0	%100
79	M98	X	1.421	1.421	0	%100
80	M98	Z	2.462	2.462	0	%100
81	M99	X	0	0	0	%100
82	M99	Z	0	0	0	%100
83	M102A	X	1.51	1.51	0	%100
84	M102A	Z	2.615	2.615	0	%100
85	M102B	X	1.37	1.37	0	%100
86	M102B	Z	2.373	2.373	0	%100
87	M103B	X	1.51	1.51	0	%100
88	M103B	Z	2.615	2.615	0	%100
89	M105A	X	0	0	0	%100
90	M105A	Z	0	0	0	%100
91	M106A	X	0	0	0	%100
92	M106A	Z	0	0	0	%100
93	MP2A	X	1.759	1.759	0	%100
94	MP2A	Z	3.047	3.047	0	%100
95	MP3A	X	1.587	1.587	0	%100
96	MP3A	Z	2.749	2.749	0	%100
97	MP4A	X	1.587	1.587	0	%100
98	MP4A	Z	2.749	2.749	0	%100
99	MP1C	X	1.587	1.587	0	%100
100	MP1C	Z	2.749	2.749	0	%100
101	MP2C	X	1.759	1.759	0	%100
102	MP2C	Z	3.047	3.047	0	%100
103	MP3C	X	1.587	1.587	0	%100
104	MP3C	Z	2.749	2.749	0	%100
105	MP4C	X	1.587	1.587	0	%100
106	MP4C	Z	2.749	2.749	0	%100
107	MP1B	X	1.587	1.587	0	%100
108	MP1B	Z	2.749	2.749	0	%100
109	MP2B	X	1.759	1.759	0	%100
110	MP2B	Z	3.047	3.047	0	%100
111	MP3B	X	1.587	1.587	0	%100
112	MP3B	Z	2.749	2.749	0	%100
113	MP4B	X	1.587	1.587	0	%100
114	MP4B	Z	2.749	2.749	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	.947	.947	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	4.807	4.807	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	3.79	3.79	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	.947	.947	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	4.807	4.807	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	3.894	3.894	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	.821	.821	0	%100
17	M14	X	0	0	0	%100
18	M14	Z	.821	.821	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	.973	.973	0	%100
21	M27	X	0	0	0	%100
22	M27	Z	.821	.821	0	%100
23	M28	X	0	0	0	%100
24	M28	Z	3.282	3.282	0	%100
25	M35	X	0	0	0	%100
26	M35	Z	.973	.973	0	%100
27	M41	X	0	0	0	%100
28	M41	Z	3.282	3.282	0	%100
29	M42	X	0	0	0	%100
30	M42	Z	.821	.821	0	%100
31	M48	X	0	0	0	%100
32	M48	Z	.756	.756	0	%100
33	M49	X	0	0	0	%100
34	M49	Z	4.4	4.4	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	1.507	1.507	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	1.507	1.507	0	%100
39	M59	X	0	0	0	%100
40	M59	Z	4.4	4.4	0	%100
41	M60	X	0	0	0	%100
42	M60	Z	.756	.756	0	%100
43	M62	X	0	0	0	%100
44	M62	Z	2	2	0	%100
45	M64	X	0	0	0	%100
46	M64	Z	.157	.157	0	%100
47	M66	X	0	0	0	%100
48	M66	Z	3.275	3.275	0	%100
49	M100	X	0	0	0	%100
50	M100	Z	.794	.794	0	%100
51	M101	X	0	0	0	%100
52	M101	Z	3.174	3.174	0	%100
53	M102	X	0	0	0	%100
54	M102	Z	.794	.794	0	%100
55	M105	X	0	0	0	%100
56	M105	Z	2.719	2.719	0	%100
57	M108	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M108	Z	.68	.68	0	%100
59	M111	X	0	0	0	%100
60	M111	Z	.68	.68	0	%100
61	M134A	X	0	0	0	%100
62	M134A	Z	.913	.913	0	%100
63	M135A	X	0	0	0	%100
64	M135A	Z	.916	.916	0	%100
65	M136	X	0	0	0	%100
66	M136	Z	.916	.916	0	%100
67	M131A	X	0	0	0	%100
68	M131A	Z	3.665	3.665	0	%100
69	M132A	X	0	0	0	%100
70	M132A	Z	3.665	3.665	0	%100
71	M135B	X	0	0	0	%100
72	M135B	Z	.916	.916	0	%100
73	M136A	X	0	0	0	%100
74	M136A	Z	.916	.916	0	%100
75	MP1A	X	0	0	0	%100
76	MP1A	Z	3.174	3.174	0	%100
77	M97	X	0	0	0	%100
78	M97	Z	.947	.947	0	%100
79	M98	X	0	0	0	%100
80	M98	Z	3.79	3.79	0	%100
81	M99	X	0	0	0	%100
82	M99	Z	.947	.947	0	%100
83	M102A	X	0	0	0	%100
84	M102A	Z	1.007	1.007	0	%100
85	M102B	X	0	0	0	%100
86	M102B	Z	3.653	3.653	0	%100
87	M103B	X	0	0	0	%100
88	M103B	Z	4.026	4.026	0	%100
89	M105A	X	0	0	0	%100
90	M105A	Z	.913	.913	0	%100
91	M106A	X	0	0	0	%100
92	M106A	Z	1.007	1.007	0	%100
93	MP2A	X	0	0	0	%100
94	MP2A	Z	3.519	3.519	0	%100
95	MP3A	X	0	0	0	%100
96	MP3A	Z	3.174	3.174	0	%100
97	MP4A	X	0	0	0	%100
98	MP4A	Z	3.174	3.174	0	%100
99	MP1C	X	0	0	0	%100
100	MP1C	Z	3.174	3.174	0	%100
101	MP2C	X	0	0	0	%100
102	MP2C	Z	3.519	3.519	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	3.174	3.174	0	%100
105	MP4C	X	0	0	0	%100
106	MP4C	Z	3.174	3.174	0	%100
107	MP1B	X	0	0	0	%100
108	MP1B	Z	3.174	3.174	0	%100
109	MP2B	X	0	0	0	%100
110	MP2B	Z	3.519	3.519	0	%100
111	MP3B	X	0	0	0	%100
112	MP3B	Z	3.174	3.174	0	%100
113	MP4B	X	0	0	0	%100
114	MP4B	Z	3.174	3.174	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-3.205	-3.205	0	%100
4	M2	Z	5.551	5.551	0	%100
5	M3	X	-1.421	-1.421	0	%100
6	M3	Z	2.462	2.462	0	%100
7	M4	X	-.801	-.801	0	%100
8	M4	Z	1.388	1.388	0	%100
9	M5	X	-1.421	-1.421	0	%100
10	M5	Z	2.462	2.462	0	%100
11	M6	X	-.801	-.801	0	%100
12	M6	Z	1.388	1.388	0	%100
13	M7	X	-1.46	-1.46	0	%100
14	M7	Z	2.529	2.529	0	%100
15	M13	X	-1.231	-1.231	0	%100
16	M13	Z	2.132	2.132	0	%100
17	M14	X	0	0	0	%100
18	M14	Z	0	0	0	%100
19	M21	X	-1.46	-1.46	0	%100
20	M21	Z	2.529	2.529	0	%100
21	M27	X	0	0	0	%100
22	M27	Z	0	0	0	%100
23	M28	X	-1.231	-1.231	0	%100
24	M28	Z	2.132	2.132	0	%100
25	M35	X	0	0	0	%100
26	M35	Z	0	0	0	%100
27	M41	X	-1.231	-1.231	0	%100
28	M41	Z	2.132	2.132	0	%100
29	M42	X	-1.231	-1.231	0	%100
30	M42	Z	2.132	2.132	0	%100
31	M48	X	-1.467	-1.467	0	%100
32	M48	Z	2.542	2.542	0	%100
33	M49	X	-1.467	-1.467	0	%100
34	M49	Z	2.542	2.542	0	%100
35	M53	X	-.021	-.021	0	%100
36	M53	Z	.037	.037	0	%100
37	M54	X	-1.843	-1.843	0	%100
38	M54	Z	3.192	3.192	0	%100
39	M59	X	-1.843	-1.843	0	%100
40	M59	Z	3.192	3.192	0	%100
41	M60	X	-.021	-.021	0	%100
42	M60	Z	.037	.037	0	%100
43	M62	X	-1.732	-1.732	0	%100
44	M62	Z	3.001	3.001	0	%100
45	M64	X	-.173	-.173	0	%100
46	M64	Z	.299	.299	0	%100
47	M66	X	-.811	-.811	0	%100
48	M66	Z	1.404	1.404	0	%100
49	M100	X	0	0	0	%100
50	M100	Z	0	0	0	%100
51	M101	X	-1.19	-1.19	0	%100
52	M101	Z	2.062	2.062	0	%100
53	M102	X	-1.19	-1.19	0	%100
54	M102	Z	2.062	2.062	0	%100
55	M105	X	-1.02	-1.02	0	%100
56	M105	Z	1.766	1.766	0	%100
57	M108	X	-1.02	-1.02	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M108	Z	1.766	1.766	0	%100
59	M111	X	0	0	0	%100
60	M111	Z	0	0	0	%100
61	M134A	X	0	0	0	%100
62	M134A	Z	0	0	0	%100
63	M135A	X	0	0	0	%100
64	M135A	Z	0	0	0	%100
65	M136	X	0	0	0	%100
66	M136	Z	0	0	0	%100
67	M131A	X	-1.374	-1.374	0	%100
68	M131A	Z	2.381	2.381	0	%100
69	M132A	X	-1.374	-1.374	0	%100
70	M132A	Z	2.381	2.381	0	%100
71	M135B	X	-1.374	-1.374	0	%100
72	M135B	Z	2.381	2.381	0	%100
73	M136A	X	-1.374	-1.374	0	%100
74	M136A	Z	2.381	2.381	0	%100
75	MP1A	X	-1.587	-1.587	0	%100
76	MP1A	Z	2.749	2.749	0	%100
77	M97	X	0	0	0	%100
78	M97	Z	0	0	0	%100
79	M98	X	-1.421	-1.421	0	%100
80	M98	Z	2.462	2.462	0	%100
81	M99	X	-1.421	-1.421	0	%100
82	M99	Z	2.462	2.462	0	%100
83	M102A	X	0	0	0	%100
84	M102A	Z	0	0	0	%100
85	M102B	X	-1.37	-1.37	0	%100
86	M102B	Z	2.373	2.373	0	%100
87	M103B	X	-1.51	-1.51	0	%100
88	M103B	Z	2.615	2.615	0	%100
89	M105A	X	-1.37	-1.37	0	%100
90	M105A	Z	2.373	2.373	0	%100
91	M106A	X	-1.51	-1.51	0	%100
92	M106A	Z	2.615	2.615	0	%100
93	MP2A	X	-1.759	-1.759	0	%100
94	MP2A	Z	3.047	3.047	0	%100
95	MP3A	X	-1.587	-1.587	0	%100
96	MP3A	Z	2.749	2.749	0	%100
97	MP4A	X	-1.587	-1.587	0	%100
98	MP4A	Z	2.749	2.749	0	%100
99	MP1C	X	-1.587	-1.587	0	%100
100	MP1C	Z	2.749	2.749	0	%100
101	MP2C	X	-1.759	-1.759	0	%100
102	MP2C	Z	3.047	3.047	0	%100
103	MP3C	X	-1.587	-1.587	0	%100
104	MP3C	Z	2.749	2.749	0	%100
105	MP4C	X	-1.587	-1.587	0	%100
106	MP4C	Z	2.749	2.749	0	%100
107	MP1B	X	-1.587	-1.587	0	%100
108	MP1B	Z	2.749	2.749	0	%100
109	MP2B	X	-1.759	-1.759	0	%100
110	MP2B	Z	3.047	3.047	0	%100
111	MP3B	X	-1.587	-1.587	0	%100
112	MP3B	Z	2.749	2.749	0	%100
113	MP4B	X	-1.587	-1.587	0	%100
114	MP4B	Z	2.749	2.749	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.821	-.821	0	%100
2	M1	Z	.474	.474	0	%100
3	M2	X	-4.163	-4.163	0	%100
4	M2	Z	2.404	2.404	0	%100
5	M3	X	-.821	-.821	0	%100
6	M3	Z	.474	.474	0	%100
7	M4	X	-4.163	-4.163	0	%100
8	M4	Z	2.404	2.404	0	%100
9	M5	X	-3.282	-3.282	0	%100
10	M5	Z	1.895	1.895	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	-.843	-.843	0	%100
14	M7	Z	.487	.487	0	%100
15	M13	X	-2.843	-2.843	0	%100
16	M13	Z	1.641	1.641	0	%100
17	M14	X	-.711	-.711	0	%100
18	M14	Z	.41	.41	0	%100
19	M21	X	-3.372	-3.372	0	%100
20	M21	Z	1.947	1.947	0	%100
21	M27	X	-.711	-.711	0	%100
22	M27	Z	.41	.41	0	%100
23	M28	X	-.711	-.711	0	%100
24	M28	Z	.41	.41	0	%100
25	M35	X	-.843	-.843	0	%100
26	M35	Z	.487	.487	0	%100
27	M41	X	-.711	-.711	0	%100
28	M41	Z	.41	.41	0	%100
29	M42	X	-2.843	-2.843	0	%100
30	M42	Z	1.641	1.641	0	%100
31	M48	X	-3.81	-3.81	0	%100
32	M48	Z	2.2	2.2	0	%100
33	M49	X	-.655	-.655	0	%100
34	M49	Z	.378	.378	0	%100
35	M53	X	-.655	-.655	0	%100
36	M53	Z	.378	.378	0	%100
37	M54	X	-3.81	-3.81	0	%100
38	M54	Z	2.2	2.2	0	%100
39	M59	X	-1.305	-1.305	0	%100
40	M59	Z	.754	.754	0	%100
41	M60	X	-1.305	-1.305	0	%100
42	M60	Z	.754	.754	0	%100
43	M62	X	-2.837	-2.837	0	%100
44	M62	Z	1.638	1.638	0	%100
45	M64	X	-1.732	-1.732	0	%100
46	M64	Z	1	1	0	%100
47	M66	X	-.136	-.136	0	%100
48	M66	Z	.078	.078	0	%100
49	M100	X	-.687	-.687	0	%100
50	M100	Z	.397	.397	0	%100
51	M101	X	-.687	-.687	0	%100
52	M101	Z	.397	.397	0	%100
53	M102	X	-2.749	-2.749	0	%100
54	M102	Z	1.587	1.587	0	%100
55	M105	X	-.589	-.589	0	%100
56	M105	Z	.34	.34	0	%100
57	M108	X	-2.354	-2.354	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M108	Z	1.359	1.359	0	%100
59	M111	X	-.589	-.589	0	%100
60	M111	Z	.34	.34	0	%100
61	M134A	X	-.791	-.791	0	%100
62	M134A	Z	.457	.457	0	%100
63	M135A	X	-.794	-.794	0	%100
64	M135A	Z	.458	.458	0	%100
65	M136	X	-.794	-.794	0	%100
66	M136	Z	.458	.458	0	%100
67	M131A	X	-.794	-.794	0	%100
68	M131A	Z	.458	.458	0	%100
69	M132A	X	-.794	-.794	0	%100
70	M132A	Z	.458	.458	0	%100
71	M135B	X	-3.174	-3.174	0	%100
72	M135B	Z	1.833	1.833	0	%100
73	M136A	X	-3.174	-3.174	0	%100
74	M136A	Z	1.833	1.833	0	%100
75	MP1A	X	-2.749	-2.749	0	%100
76	MP1A	Z	1.587	1.587	0	%100
77	M97	X	-.821	-.821	0	%100
78	M97	Z	.474	.474	0	%100
79	M98	X	-.821	-.821	0	%100
80	M98	Z	.474	.474	0	%100
81	M99	X	-3.282	-3.282	0	%100
82	M99	Z	1.895	1.895	0	%100
83	M102A	X	-.872	-.872	0	%100
84	M102A	Z	.503	.503	0	%100
85	M102B	X	-.791	-.791	0	%100
86	M102B	Z	.457	.457	0	%100
87	M103B	X	-.872	-.872	0	%100
88	M103B	Z	.503	.503	0	%100
89	M105A	X	-3.164	-3.164	0	%100
90	M105A	Z	1.827	1.827	0	%100
91	M106A	X	-3.487	-3.487	0	%100
92	M106A	Z	2.013	2.013	0	%100
93	MP2A	X	-3.047	-3.047	0	%100
94	MP2A	Z	1.759	1.759	0	%100
95	MP3A	X	-2.749	-2.749	0	%100
96	MP3A	Z	1.587	1.587	0	%100
97	MP4A	X	-2.749	-2.749	0	%100
98	MP4A	Z	1.587	1.587	0	%100
99	MP1C	X	-2.749	-2.749	0	%100
100	MP1C	Z	1.587	1.587	0	%100
101	MP2C	X	-3.047	-3.047	0	%100
102	MP2C	Z	1.759	1.759	0	%100
103	MP3C	X	-2.749	-2.749	0	%100
104	MP3C	Z	1.587	1.587	0	%100
105	MP4C	X	-2.749	-2.749	0	%100
106	MP4C	Z	1.587	1.587	0	%100
107	MP1B	X	-2.749	-2.749	0	%100
108	MP1B	Z	1.587	1.587	0	%100
109	MP2B	X	-3.047	-3.047	0	%100
110	MP2B	Z	1.759	1.759	0	%100
111	MP3B	X	-2.749	-2.749	0	%100
112	MP3B	Z	1.587	1.587	0	%100
113	MP4B	X	-2.749	-2.749	0	%100
114	MP4B	Z	1.587	1.587	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.842	-2.842	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-1.602	-1.602	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-6.41	-6.41	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-2.842	-2.842	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	-1.602	-1.602	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M13	X	-2.462	-2.462	0	%100
16	M13	Z	0	0	0	%100
17	M14	X	-2.462	-2.462	0	%100
18	M14	Z	0	0	0	%100
19	M21	X	-2.92	-2.92	0	%100
20	M21	Z	0	0	0	%100
21	M27	X	-2.462	-2.462	0	%100
22	M27	Z	0	0	0	%100
23	M28	X	0	0	0	%100
24	M28	Z	0	0	0	%100
25	M35	X	-2.92	-2.92	0	%100
26	M35	Z	0	0	0	%100
27	M41	X	0	0	0	%100
28	M41	Z	0	0	0	%100
29	M42	X	-2.462	-2.462	0	%100
30	M42	Z	0	0	0	%100
31	M48	X	-3.686	-3.686	0	%100
32	M48	Z	0	0	0	%100
33	M49	X	-.043	-.043	0	%100
34	M49	Z	0	0	0	%100
35	M53	X	-2.935	-2.935	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	-2.935	-2.935	0	%100
38	M54	Z	0	0	0	%100
39	M59	X	-.043	-.043	0	%100
40	M59	Z	0	0	0	%100
41	M60	X	-3.686	-3.686	0	%100
42	M60	Z	0	0	0	%100
43	M62	X	-1.621	-1.621	0	%100
44	M62	Z	0	0	0	%100
45	M64	X	-3.465	-3.465	0	%100
46	M64	Z	0	0	0	%100
47	M66	X	-.346	-.346	0	%100
48	M66	Z	0	0	0	%100
49	M100	X	-2.381	-2.381	0	%100
50	M100	Z	0	0	0	%100
51	M101	X	0	0	0	%100
52	M101	Z	0	0	0	%100
53	M102	X	-2.381	-2.381	0	%100
54	M102	Z	0	0	0	%100
55	M105	X	0	0	0	%100
56	M105	Z	0	0	0	%100
57	M108	X	-2.039	-2.039	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M108	Z	0	0	0	%100
59	M111	X	-2.039	-2.039	0	%100
60	M111	Z	0	0	0	%100
61	M134A	X	-2.74	-2.74	0	%100
62	M134A	Z	0	0	0	%100
63	M135A	X	-2.749	-2.749	0	%100
64	M135A	Z	0	0	0	%100
65	M136	X	-2.749	-2.749	0	%100
66	M136	Z	0	0	0	%100
67	M131A	X	0	0	0	%100
68	M131A	Z	0	0	0	%100
69	M132A	X	0	0	0	%100
70	M132A	Z	0	0	0	%100
71	M135B	X	-2.749	-2.749	0	%100
72	M135B	Z	0	0	0	%100
73	M136A	X	-2.749	-2.749	0	%100
74	M136A	Z	0	0	0	%100
75	MP1A	X	-3.174	-3.174	0	%100
76	MP1A	Z	0	0	0	%100
77	M97	X	-2.842	-2.842	0	%100
78	M97	Z	0	0	0	%100
79	M98	X	0	0	0	%100
80	M98	Z	0	0	0	%100
81	M99	X	-2.842	-2.842	0	%100
82	M99	Z	0	0	0	%100
83	M102A	X	-3.02	-3.02	0	%100
84	M102A	Z	0	0	0	%100
85	M102B	X	0	0	0	%100
86	M102B	Z	0	0	0	%100
87	M103B	X	0	0	0	%100
88	M103B	Z	0	0	0	%100
89	M105A	X	-2.74	-2.74	0	%100
90	M105A	Z	0	0	0	%100
91	M106A	X	-3.02	-3.02	0	%100
92	M106A	Z	0	0	0	%100
93	MP2A	X	-3.519	-3.519	0	%100
94	MP2A	Z	0	0	0	%100
95	MP3A	X	-3.174	-3.174	0	%100
96	MP3A	Z	0	0	0	%100
97	MP4A	X	-3.174	-3.174	0	%100
98	MP4A	Z	0	0	0	%100
99	MP1C	X	-3.174	-3.174	0	%100
100	MP1C	Z	0	0	0	%100
101	MP2C	X	-3.519	-3.519	0	%100
102	MP2C	Z	0	0	0	%100
103	MP3C	X	-3.174	-3.174	0	%100
104	MP3C	Z	0	0	0	%100
105	MP4C	X	-3.174	-3.174	0	%100
106	MP4C	Z	0	0	0	%100
107	MP1B	X	-3.174	-3.174	0	%100
108	MP1B	Z	0	0	0	%100
109	MP2B	X	-3.519	-3.519	0	%100
110	MP2B	Z	0	0	0	%100
111	MP3B	X	-3.174	-3.174	0	%100
112	MP3B	Z	0	0	0	%100
113	MP4B	X	-3.174	-3.174	0	%100
114	MP4B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-3.282	-3.282	0	%100
2	M1	Z	-1.895	-1.895	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-.821	-.821	0	%100
6	M3	Z	-.474	-.474	0	%100
7	M4	X	-4.163	-4.163	0	%100
8	M4	Z	-2.404	-2.404	0	%100
9	M5	X	-.821	-.821	0	%100
10	M5	Z	-.474	-.474	0	%100
11	M6	X	-4.163	-4.163	0	%100
12	M6	Z	-2.404	-2.404	0	%100
13	M7	X	-.843	-.843	0	%100
14	M7	Z	-.487	-.487	0	%100
15	M13	X	-.711	-.711	0	%100
16	M13	Z	-.41	-.41	0	%100
17	M14	X	-2.843	-2.843	0	%100
18	M14	Z	-1.641	-1.641	0	%100
19	M21	X	-.843	-.843	0	%100
20	M21	Z	-.487	-.487	0	%100
21	M27	X	-2.843	-2.843	0	%100
22	M27	Z	-1.641	-1.641	0	%100
23	M28	X	-.711	-.711	0	%100
24	M28	Z	-.41	-.41	0	%100
25	M35	X	-3.372	-3.372	0	%100
26	M35	Z	-1.947	-1.947	0	%100
27	M41	X	-.711	-.711	0	%100
28	M41	Z	-.41	-.41	0	%100
29	M42	X	-.711	-.711	0	%100
30	M42	Z	-.41	-.41	0	%100
31	M48	X	-1.305	-1.305	0	%100
32	M48	Z	-.754	-.754	0	%100
33	M49	X	-1.305	-1.305	0	%100
34	M49	Z	-.754	-.754	0	%100
35	M53	X	-3.81	-3.81	0	%100
36	M53	Z	-2.2	-2.2	0	%100
37	M54	X	-.655	-.655	0	%100
38	M54	Z	-.378	-.378	0	%100
39	M59	X	-.655	-.655	0	%100
40	M59	Z	-.378	-.378	0	%100
41	M60	X	-3.81	-3.81	0	%100
42	M60	Z	-2.2	-2.2	0	%100
43	M62	X	-.136	-.136	0	%100
44	M62	Z	-.078	-.078	0	%100
45	M64	X	-2.837	-2.837	0	%100
46	M64	Z	-1.638	-1.638	0	%100
47	M66	X	-1.732	-1.732	0	%100
48	M66	Z	-1	-1	0	%100
49	M100	X	-2.749	-2.749	0	%100
50	M100	Z	-1.587	-1.587	0	%100
51	M101	X	-.687	-.687	0	%100
52	M101	Z	-.397	-.397	0	%100
53	M102	X	-.687	-.687	0	%100
54	M102	Z	-.397	-.397	0	%100
55	M105	X	-.589	-.589	0	%100
56	M105	Z	-.34	-.34	0	%100
57	M108	X	-.589	-.589	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M108	Z	-.34	-.34	0	%100
59	M111	X	-2.354	-2.354	0	%100
60	M111	Z	-1.359	-1.359	0	%100
61	M134A	X	-3.164	-3.164	0	%100
62	M134A	Z	-1.827	-1.827	0	%100
63	M135A	X	-3.174	-3.174	0	%100
64	M135A	Z	-1.833	-1.833	0	%100
65	M136	X	-3.174	-3.174	0	%100
66	M136	Z	-1.833	-1.833	0	%100
67	M131A	X	-.794	-.794	0	%100
68	M131A	Z	-.458	-.458	0	%100
69	M132A	X	-.794	-.794	0	%100
70	M132A	Z	-.458	-.458	0	%100
71	M135B	X	-.794	-.794	0	%100
72	M135B	Z	-.458	-.458	0	%100
73	M136A	X	-.794	-.794	0	%100
74	M136A	Z	-.458	-.458	0	%100
75	MP1A	X	-2.749	-2.749	0	%100
76	MP1A	Z	-1.587	-1.587	0	%100
77	M97	X	-3.282	-3.282	0	%100
78	M97	Z	-1.895	-1.895	0	%100
79	M98	X	-.821	-.821	0	%100
80	M98	Z	-.474	-.474	0	%100
81	M99	X	-.821	-.821	0	%100
82	M99	Z	-.474	-.474	0	%100
83	M102A	X	-3.487	-3.487	0	%100
84	M102A	Z	-2.013	-2.013	0	%100
85	M102B	X	-.791	-.791	0	%100
86	M102B	Z	-.457	-.457	0	%100
87	M103B	X	-.872	-.872	0	%100
88	M103B	Z	-.503	-.503	0	%100
89	M105A	X	-.791	-.791	0	%100
90	M105A	Z	-.457	-.457	0	%100
91	M106A	X	-.872	-.872	0	%100
92	M106A	Z	-.503	-.503	0	%100
93	MP2A	X	-3.047	-3.047	0	%100
94	MP2A	Z	-1.759	-1.759	0	%100
95	MP3A	X	-2.749	-2.749	0	%100
96	MP3A	Z	-1.587	-1.587	0	%100
97	MP4A	X	-2.749	-2.749	0	%100
98	MP4A	Z	-1.587	-1.587	0	%100
99	MP1C	X	-2.749	-2.749	0	%100
100	MP1C	Z	-1.587	-1.587	0	%100
101	MP2C	X	-3.047	-3.047	0	%100
102	MP2C	Z	-1.759	-1.759	0	%100
103	MP3C	X	-2.749	-2.749	0	%100
104	MP3C	Z	-1.587	-1.587	0	%100
105	MP4C	X	-2.749	-2.749	0	%100
106	MP4C	Z	-1.587	-1.587	0	%100
107	MP1B	X	-2.749	-2.749	0	%100
108	MP1B	Z	-1.587	-1.587	0	%100
109	MP2B	X	-3.047	-3.047	0	%100
110	MP2B	Z	-1.759	-1.759	0	%100
111	MP3B	X	-2.749	-2.749	0	%100
112	MP3B	Z	-1.587	-1.587	0	%100
113	MP4B	X	-2.749	-2.749	0	%100
114	MP4B	Z	-1.587	-1.587	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.421	-1.421	0	%100
2	M1	Z	-2.462	-2.462	0	%100
3	M2	X	-.801	-.801	0	%100
4	M2	Z	-1.388	-1.388	0	%100
5	M3	X	-1.421	-1.421	0	%100
6	M3	Z	-2.462	-2.462	0	%100
7	M4	X	-.801	-.801	0	%100
8	M4	Z	-1.388	-1.388	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	-3.205	-3.205	0	%100
12	M6	Z	-5.551	-5.551	0	%100
13	M7	X	-1.46	-1.46	0	%100
14	M7	Z	-2.529	-2.529	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	0	0	0	%100
17	M14	X	-1.231	-1.231	0	%100
18	M14	Z	-2.132	-2.132	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	0	0	0	%100
21	M27	X	-1.231	-1.231	0	%100
22	M27	Z	-2.132	-2.132	0	%100
23	M28	X	-1.231	-1.231	0	%100
24	M28	Z	-2.132	-2.132	0	%100
25	M35	X	-1.46	-1.46	0	%100
26	M35	Z	-2.529	-2.529	0	%100
27	M41	X	-1.231	-1.231	0	%100
28	M41	Z	-2.132	-2.132	0	%100
29	M42	X	0	0	0	%100
30	M42	Z	0	0	0	%100
31	M48	X	-.021	-.021	0	%100
32	M48	Z	-.037	-.037	0	%100
33	M49	X	-1.843	-1.843	0	%100
34	M49	Z	-3.192	-3.192	0	%100
35	M53	X	-1.843	-1.843	0	%100
36	M53	Z	-3.192	-3.192	0	%100
37	M54	X	-.021	-.021	0	%100
38	M54	Z	-.037	-.037	0	%100
39	M59	X	-1.467	-1.467	0	%100
40	M59	Z	-2.542	-2.542	0	%100
41	M60	X	-1.467	-1.467	0	%100
42	M60	Z	-2.542	-2.542	0	%100
43	M62	X	-.173	-.173	0	%100
44	M62	Z	-.299	-.299	0	%100
45	M64	X	-.811	-.811	0	%100
46	M64	Z	-1.404	-1.404	0	%100
47	M66	X	-1.732	-1.732	0	%100
48	M66	Z	-3.001	-3.001	0	%100
49	M100	X	-1.19	-1.19	0	%100
50	M100	Z	-2.062	-2.062	0	%100
51	M101	X	-1.19	-1.19	0	%100
52	M101	Z	-2.062	-2.062	0	%100
53	M102	X	0	0	0	%100
54	M102	Z	0	0	0	%100
55	M105	X	-1.02	-1.02	0	%100
56	M105	Z	-1.766	-1.766	0	%100
57	M108	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M108	Z	0	0	0	%100
59	M111	X	-1.02	-1.02	0	%100
60	M111	Z	-1.766	-1.766	0	%100
61	M134A	X	-1.37	-1.37	0	%100
62	M134A	Z	-2.373	-2.373	0	%100
63	M135A	X	-1.374	-1.374	0	%100
64	M135A	Z	-2.381	-2.381	0	%100
65	M136	X	-1.374	-1.374	0	%100
66	M136	Z	-2.381	-2.381	0	%100
67	M131A	X	-1.374	-1.374	0	%100
68	M131A	Z	-2.381	-2.381	0	%100
69	M132A	X	-1.374	-1.374	0	%100
70	M132A	Z	-2.381	-2.381	0	%100
71	M135B	X	0	0	0	%100
72	M135B	Z	0	0	0	%100
73	M136A	X	0	0	0	%100
74	M136A	Z	0	0	0	%100
75	MP1A	X	-1.587	-1.587	0	%100
76	MP1A	Z	-2.749	-2.749	0	%100
77	M97	X	-1.421	-1.421	0	%100
78	M97	Z	-2.462	-2.462	0	%100
79	M98	X	-1.421	-1.421	0	%100
80	M98	Z	-2.462	-2.462	0	%100
81	M99	X	0	0	0	%100
82	M99	Z	0	0	0	%100
83	M102A	X	-1.51	-1.51	0	%100
84	M102A	Z	-2.615	-2.615	0	%100
85	M102B	X	-1.37	-1.37	0	%100
86	M102B	Z	-2.373	-2.373	0	%100
87	M103B	X	-1.51	-1.51	0	%100
88	M103B	Z	-2.615	-2.615	0	%100
89	M105A	X	0	0	0	%100
90	M105A	Z	0	0	0	%100
91	M106A	X	0	0	0	%100
92	M106A	Z	0	0	0	%100
93	MP2A	X	-1.759	-1.759	0	%100
94	MP2A	Z	-3.047	-3.047	0	%100
95	MP3A	X	-1.587	-1.587	0	%100
96	MP3A	Z	-2.749	-2.749	0	%100
97	MP4A	X	-1.587	-1.587	0	%100
98	MP4A	Z	-2.749	-2.749	0	%100
99	MP1C	X	-1.587	-1.587	0	%100
100	MP1C	Z	-2.749	-2.749	0	%100
101	MP2C	X	-1.759	-1.759	0	%100
102	MP2C	Z	-3.047	-3.047	0	%100
103	MP3C	X	-1.587	-1.587	0	%100
104	MP3C	Z	-2.749	-2.749	0	%100
105	MP4C	X	-1.587	-1.587	0	%100
106	MP4C	Z	-2.749	-2.749	0	%100
107	MP1B	X	-1.587	-1.587	0	%100
108	MP1B	Z	-2.749	-2.749	0	%100
109	MP2B	X	-1.759	-1.759	0	%100
110	MP2B	Z	-3.047	-3.047	0	%100
111	MP3B	X	-1.587	-1.587	0	%100
112	MP3B	Z	-2.749	-2.749	0	%100
113	MP4B	X	-1.587	-1.587	0	%100
114	MP4B	Z	-2.749	-2.749	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-.194	-.194	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-1.488	-1.488	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-.776	-.776	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	-.194	-.194	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	-1.488	-1.488	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	-1.036	-1.036	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	-.181	-.181	0	%100
17	M14	X	0	0	0	%100
18	M14	Z	-.181	-.181	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	-.259	-.259	0	%100
21	M27	X	0	0	0	%100
22	M27	Z	-.181	-.181	0	%100
23	M28	X	0	0	0	%100
24	M28	Z	-.724	-.724	0	%100
25	M35	X	0	0	0	%100
26	M35	Z	-.259	-.259	0	%100
27	M41	X	0	0	0	%100
28	M41	Z	-.724	-.724	0	%100
29	M42	X	0	0	0	%100
30	M42	Z	-.181	-.181	0	%100
31	M48	X	0	0	0	%100
32	M48	Z	-.199	-.199	0	%100
33	M49	X	0	0	0	%100
34	M49	Z	-1.156	-1.156	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	-.396	-.396	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	-.396	-.396	0	%100
39	M59	X	0	0	0	%100
40	M59	Z	-1.156	-1.156	0	%100
41	M60	X	0	0	0	%100
42	M60	Z	-.199	-.199	0	%100
43	M62	X	0	0	0	%100
44	M62	Z	-.445	-.445	0	%100
45	M64	X	0	0	0	%100
46	M64	Z	-.035	-.035	0	%100
47	M66	X	0	0	0	%100
48	M66	Z	-.73	-.73	0	%100
49	M100	X	0	0	0	%100
50	M100	Z	-.147	-.147	0	%100
51	M101	X	0	0	0	%100
52	M101	Z	-.589	-.589	0	%100
53	M102	X	0	0	0	%100
54	M102	Z	-.147	-.147	0	%100
55	M105	X	0	0	0	%100
56	M105	Z	-.642	-.642	0	%100
57	M108	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M108	Z	-.16	-.16	0	%100
59	M111	X	0	0	0	%100
60	M111	Z	-.16	-.16	0	%100
61	M134A	X	0	0	0	%100
62	M134A	Z	-.248	-.248	0	%100
63	M135A	X	0	0	0	%100
64	M135A	Z	-.248	-.248	0	%100
65	M136	X	0	0	0	%100
66	M136	Z	-.248	-.248	0	%100
67	M131A	X	0	0	0	%100
68	M131A	Z	-.992	-.992	0	%100
69	M132A	X	0	0	0	%100
70	M132A	Z	-.992	-.992	0	%100
71	M135B	X	0	0	0	%100
72	M135B	Z	-.248	-.248	0	%100
73	M136A	X	0	0	0	%100
74	M136A	Z	-.248	-.248	0	%100
75	MP1A	X	0	0	0	%100
76	MP1A	Z	-.589	-.589	0	%100
77	M97	X	0	0	0	%100
78	M97	Z	-.194	-.194	0	%100
79	M98	X	0	0	0	%100
80	M98	Z	-.776	-.776	0	%100
81	M99	X	0	0	0	%100
82	M99	Z	-.194	-.194	0	%100
83	M102A	X	0	0	0	%100
84	M102A	Z	-.259	-.259	0	%100
85	M102B	X	0	0	0	%100
86	M102B	Z	-.992	-.992	0	%100
87	M103B	X	0	0	0	%100
88	M103B	Z	-1.035	-1.035	0	%100
89	M105A	X	0	0	0	%100
90	M105A	Z	-.248	-.248	0	%100
91	M106A	X	0	0	0	%100
92	M106A	Z	-.259	-.259	0	%100
93	MP2A	X	0	0	0	%100
94	MP2A	Z	-.713	-.713	0	%100
95	MP3A	X	0	0	0	%100
96	MP3A	Z	-.589	-.589	0	%100
97	MP4A	X	0	0	0	%100
98	MP4A	Z	-.589	-.589	0	%100
99	MP1C	X	0	0	0	%100
100	MP1C	Z	-.589	-.589	0	%100
101	MP2C	X	0	0	0	%100
102	MP2C	Z	-.713	-.713	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	-.589	-.589	0	%100
105	MP4C	X	0	0	0	%100
106	MP4C	Z	-.589	-.589	0	%100
107	MP1B	X	0	0	0	%100
108	MP1B	Z	-.589	-.589	0	%100
109	MP2B	X	0	0	0	%100
110	MP2B	Z	-.713	-.713	0	%100
111	MP3B	X	0	0	0	%100
112	MP3B	Z	-.589	-.589	0	%100
113	MP4B	X	0	0	0	%100
114	MP4B	Z	-.589	-.589	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	.992	.992	0	%100
4	M2	Z	-1.719	-1.719	0	%100
5	M3	X	.291	.291	0	%100
6	M3	Z	-.504	-.504	0	%100
7	M4	X	.248	.248	0	%100
8	M4	Z	-.43	-.43	0	%100
9	M5	X	.291	.291	0	%100
10	M5	Z	-.504	-.504	0	%100
11	M6	X	.248	.248	0	%100
12	M6	Z	-.43	-.43	0	%100
13	M7	X	.389	.389	0	%100
14	M7	Z	-.673	-.673	0	%100
15	M13	X	.271	.271	0	%100
16	M13	Z	-.47	-.47	0	%100
17	M14	X	0	0	0	%100
18	M14	Z	0	0	0	%100
19	M21	X	.389	.389	0	%100
20	M21	Z	-.673	-.673	0	%100
21	M27	X	0	0	0	%100
22	M27	Z	0	0	0	%100
23	M28	X	.271	.271	0	%100
24	M28	Z	-.47	-.47	0	%100
25	M35	X	0	0	0	%100
26	M35	Z	0	0	0	%100
27	M41	X	.271	.271	0	%100
28	M41	Z	-.47	-.47	0	%100
29	M42	X	.271	.271	0	%100
30	M42	Z	-.47	-.47	0	%100
31	M48	X	.386	.386	0	%100
32	M48	Z	-.668	-.668	0	%100
33	M49	X	.386	.386	0	%100
34	M49	Z	-.668	-.668	0	%100
35	M53	X	.006	.006	0	%100
36	M53	Z	-.01	-.01	0	%100
37	M54	X	.484	.484	0	%100
38	M54	Z	-.839	-.839	0	%100
39	M59	X	.484	.484	0	%100
40	M59	Z	-.839	-.839	0	%100
41	M60	X	.006	.006	0	%100
42	M60	Z	-.01	-.01	0	%100
43	M62	X	.386	.386	0	%100
44	M62	Z	-.668	-.668	0	%100
45	M64	X	.039	.039	0	%100
46	M64	Z	-.067	-.067	0	%100
47	M66	X	.181	.181	0	%100
48	M66	Z	-.313	-.313	0	%100
49	M100	X	0	0	0	%100
50	M100	Z	0	0	0	%100
51	M101	X	.221	.221	0	%100
52	M101	Z	-.383	-.383	0	%100
53	M102	X	.221	.221	0	%100
54	M102	Z	-.383	-.383	0	%100
55	M105	X	.241	.241	0	%100
56	M105	Z	-.417	-.417	0	%100
57	M108	X	.241	.241	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M108	Z	-.417	-.417	0	%100
59	M111	X	0	0	0	%100
60	M111	Z	0	0	0	%100
61	M134A	X	0	0	0	%100
62	M134A	Z	0	0	0	%100
63	M135A	X	0	0	0	%100
64	M135A	Z	0	0	0	%100
65	M136	X	0	0	0	%100
66	M136	Z	0	0	0	%100
67	M131A	X	.372	.372	0	%100
68	M131A	Z	-.645	-.645	0	%100
69	M132A	X	.372	.372	0	%100
70	M132A	Z	-.645	-.645	0	%100
71	M135B	X	.372	.372	0	%100
72	M135B	Z	-.645	-.645	0	%100
73	M136A	X	.372	.372	0	%100
74	M136A	Z	-.645	-.645	0	%100
75	MP1A	X	.295	.295	0	%100
76	MP1A	Z	-.51	-.51	0	%100
77	M97	X	0	0	0	%100
78	M97	Z	0	0	0	%100
79	M98	X	.291	.291	0	%100
80	M98	Z	-.504	-.504	0	%100
81	M99	X	.291	.291	0	%100
82	M99	Z	-.504	-.504	0	%100
83	M102A	X	0	0	0	%100
84	M102A	Z	0	0	0	%100
85	M102B	X	.372	.372	0	%100
86	M102B	Z	-.645	-.645	0	%100
87	M103B	X	.388	.388	0	%100
88	M103B	Z	-.672	-.672	0	%100
89	M105A	X	.372	.372	0	%100
90	M105A	Z	-.645	-.645	0	%100
91	M106A	X	.388	.388	0	%100
92	M106A	Z	-.672	-.672	0	%100
93	MP2A	X	.357	.357	0	%100
94	MP2A	Z	-.618	-.618	0	%100
95	MP3A	X	.295	.295	0	%100
96	MP3A	Z	-.51	-.51	0	%100
97	MP4A	X	.295	.295	0	%100
98	MP4A	Z	-.51	-.51	0	%100
99	MP1C	X	.295	.295	0	%100
100	MP1C	Z	-.51	-.51	0	%100
101	MP2C	X	.357	.357	0	%100
102	MP2C	Z	-.618	-.618	0	%100
103	MP3C	X	.295	.295	0	%100
104	MP3C	Z	-.51	-.51	0	%100
105	MP4C	X	.295	.295	0	%100
106	MP4C	Z	-.51	-.51	0	%100
107	MP1B	X	.295	.295	0	%100
108	MP1B	Z	-.51	-.51	0	%100
109	MP2B	X	.357	.357	0	%100
110	MP2B	Z	-.618	-.618	0	%100
111	MP3B	X	.295	.295	0	%100
112	MP3B	Z	-.51	-.51	0	%100
113	MP4B	X	.295	.295	0	%100
114	MP4B	Z	-.51	-.51	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.168	.168	0	%100
2	M1	Z	-.097	-.097	0	%100
3	M2	X	1.289	1.289	0	%100
4	M2	Z	-.744	-.744	0	%100
5	M3	X	.168	.168	0	%100
6	M3	Z	-.097	-.097	0	%100
7	M4	X	1.289	1.289	0	%100
8	M4	Z	-.744	-.744	0	%100
9	M5	X	.672	.672	0	%100
10	M5	Z	-.388	-.388	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	.224	.224	0	%100
14	M7	Z	-.13	-.13	0	%100
15	M13	X	.627	.627	0	%100
16	M13	Z	-.362	-.362	0	%100
17	M14	X	.157	.157	0	%100
18	M14	Z	-.09	-.09	0	%100
19	M21	X	.898	.898	0	%100
20	M21	Z	-.518	-.518	0	%100
21	M27	X	.157	.157	0	%100
22	M27	Z	-.09	-.09	0	%100
23	M28	X	.157	.157	0	%100
24	M28	Z	-.09	-.09	0	%100
25	M35	X	.224	.224	0	%100
26	M35	Z	-.13	-.13	0	%100
27	M41	X	.157	.157	0	%100
28	M41	Z	-.09	-.09	0	%100
29	M42	X	.627	.627	0	%100
30	M42	Z	-.362	-.362	0	%100
31	M48	X	1.001	1.001	0	%100
32	M48	Z	-.578	-.578	0	%100
33	M49	X	.172	.172	0	%100
34	M49	Z	-.099	-.099	0	%100
35	M53	X	.172	.172	0	%100
36	M53	Z	-.099	-.099	0	%100
37	M54	X	1.001	1.001	0	%100
38	M54	Z	-.578	-.578	0	%100
39	M59	X	.343	.343	0	%100
40	M59	Z	-.198	-.198	0	%100
41	M60	X	.343	.343	0	%100
42	M60	Z	-.198	-.198	0	%100
43	M62	X	.632	.632	0	%100
44	M62	Z	-.365	-.365	0	%100
45	M64	X	.386	.386	0	%100
46	M64	Z	-.223	-.223	0	%100
47	M66	X	.03	.03	0	%100
48	M66	Z	-.017	-.017	0	%100
49	M100	X	.128	.128	0	%100
50	M100	Z	-.074	-.074	0	%100
51	M101	X	.128	.128	0	%100
52	M101	Z	-.074	-.074	0	%100
53	M102	X	.51	.51	0	%100
54	M102	Z	-.295	-.295	0	%100
55	M105	X	.139	.139	0	%100
56	M105	Z	-.08	-.08	0	%100
57	M108	X	.556	.556	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M108	Z	-.321	-.321	0	%100
59	M111	X	.139	.139	0	%100
60	M111	Z	-.08	-.08	0	%100
61	M134A	X	.215	.215	0	%100
62	M134A	Z	-.124	-.124	0	%100
63	M135A	X	.215	.215	0	%100
64	M135A	Z	-.124	-.124	0	%100
65	M136	X	.215	.215	0	%100
66	M136	Z	-.124	-.124	0	%100
67	M131A	X	.215	.215	0	%100
68	M131A	Z	-.124	-.124	0	%100
69	M132A	X	.215	.215	0	%100
70	M132A	Z	-.124	-.124	0	%100
71	M135B	X	.859	.859	0	%100
72	M135B	Z	-.496	-.496	0	%100
73	M136A	X	.859	.859	0	%100
74	M136A	Z	-.496	-.496	0	%100
75	MP1A	X	.51	.51	0	%100
76	MP1A	Z	-.295	-.295	0	%100
77	M97	X	.168	.168	0	%100
78	M97	Z	-.097	-.097	0	%100
79	M98	X	.168	.168	0	%100
80	M98	Z	-.097	-.097	0	%100
81	M99	X	.672	.672	0	%100
82	M99	Z	-.388	-.388	0	%100
83	M102A	X	.224	.224	0	%100
84	M102A	Z	-.129	-.129	0	%100
85	M102B	X	.215	.215	0	%100
86	M102B	Z	-.124	-.124	0	%100
87	M103B	X	.224	.224	0	%100
88	M103B	Z	-.129	-.129	0	%100
89	M105A	X	.859	.859	0	%100
90	M105A	Z	-.496	-.496	0	%100
91	M106A	X	.896	.896	0	%100
92	M106A	Z	-.517	-.517	0	%100
93	MP2A	X	.618	.618	0	%100
94	MP2A	Z	-.357	-.357	0	%100
95	MP3A	X	.51	.51	0	%100
96	MP3A	Z	-.295	-.295	0	%100
97	MP4A	X	.51	.51	0	%100
98	MP4A	Z	-.295	-.295	0	%100
99	MP1C	X	.51	.51	0	%100
100	MP1C	Z	-.295	-.295	0	%100
101	MP2C	X	.618	.618	0	%100
102	MP2C	Z	-.357	-.357	0	%100
103	MP3C	X	.51	.51	0	%100
104	MP3C	Z	-.295	-.295	0	%100
105	MP4C	X	.51	.51	0	%100
106	MP4C	Z	-.295	-.295	0	%100
107	MP1B	X	.51	.51	0	%100
108	MP1B	Z	-.295	-.295	0	%100
109	MP2B	X	.618	.618	0	%100
110	MP2B	Z	-.357	-.357	0	%100
111	MP3B	X	.51	.51	0	%100
112	MP3B	Z	-.295	-.295	0	%100
113	MP4B	X	.51	.51	0	%100
114	MP4B	Z	-.295	-.295	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.582	.582	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	.496	.496	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	1.985	1.985	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	.582	.582	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	.496	.496	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M13	X	.543	.543	0	%100
16	M13	Z	0	0	0	%100
17	M14	X	.543	.543	0	%100
18	M14	Z	0	0	0	%100
19	M21	X	.777	.777	0	%100
20	M21	Z	0	0	0	%100
21	M27	X	.543	.543	0	%100
22	M27	Z	0	0	0	%100
23	M28	X	0	0	0	%100
24	M28	Z	0	0	0	%100
25	M35	X	.777	.777	0	%100
26	M35	Z	0	0	0	%100
27	M41	X	0	0	0	%100
28	M41	Z	0	0	0	%100
29	M42	X	.543	.543	0	%100
30	M42	Z	0	0	0	%100
31	M48	X	.968	.968	0	%100
32	M48	Z	0	0	0	%100
33	M49	X	.011	.011	0	%100
34	M49	Z	0	0	0	%100
35	M53	X	.771	.771	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	.771	.771	0	%100
38	M54	Z	0	0	0	%100
39	M59	X	.011	.011	0	%100
40	M59	Z	0	0	0	%100
41	M60	X	.968	.968	0	%100
42	M60	Z	0	0	0	%100
43	M62	X	.361	.361	0	%100
44	M62	Z	0	0	0	%100
45	M64	X	.772	.772	0	%100
46	M64	Z	0	0	0	%100
47	M66	X	.077	.077	0	%100
48	M66	Z	0	0	0	%100
49	M100	X	.442	.442	0	%100
50	M100	Z	0	0	0	%100
51	M101	X	0	0	0	%100
52	M101	Z	0	0	0	%100
53	M102	X	.442	.442	0	%100
54	M102	Z	0	0	0	%100
55	M105	X	0	0	0	%100
56	M105	Z	0	0	0	%100
57	M108	X	.481	.481	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M108	Z	0	0	0	%100
59	M111	X	.481	.481	0	%100
60	M111	Z	0	0	0	%100
61	M134A	X	.744	.744	0	%100
62	M134A	Z	0	0	0	%100
63	M135A	X	.744	.744	0	%100
64	M135A	Z	0	0	0	%100
65	M136	X	.744	.744	0	%100
66	M136	Z	0	0	0	%100
67	M131A	X	0	0	0	%100
68	M131A	Z	0	0	0	%100
69	M132A	X	0	0	0	%100
70	M132A	Z	0	0	0	%100
71	M135B	X	.744	.744	0	%100
72	M135B	Z	0	0	0	%100
73	M136A	X	.744	.744	0	%100
74	M136A	Z	0	0	0	%100
75	MP1A	X	.589	.589	0	%100
76	MP1A	Z	0	0	0	%100
77	M97	X	.582	.582	0	%100
78	M97	Z	0	0	0	%100
79	M98	X	0	0	0	%100
80	M98	Z	0	0	0	%100
81	M99	X	.582	.582	0	%100
82	M99	Z	0	0	0	%100
83	M102A	X	.776	.776	0	%100
84	M102A	Z	0	0	0	%100
85	M102B	X	0	0	0	%100
86	M102B	Z	0	0	0	%100
87	M103B	X	0	0	0	%100
88	M103B	Z	0	0	0	%100
89	M105A	X	.744	.744	0	%100
90	M105A	Z	0	0	0	%100
91	M106A	X	.776	.776	0	%100
92	M106A	Z	0	0	0	%100
93	MP2A	X	.713	.713	0	%100
94	MP2A	Z	0	0	0	%100
95	MP3A	X	.589	.589	0	%100
96	MP3A	Z	0	0	0	%100
97	MP4A	X	.589	.589	0	%100
98	MP4A	Z	0	0	0	%100
99	MP1C	X	.589	.589	0	%100
100	MP1C	Z	0	0	0	%100
101	MP2C	X	.713	.713	0	%100
102	MP2C	Z	0	0	0	%100
103	MP3C	X	.589	.589	0	%100
104	MP3C	Z	0	0	0	%100
105	MP4C	X	.589	.589	0	%100
106	MP4C	Z	0	0	0	%100
107	MP1B	X	.589	.589	0	%100
108	MP1B	Z	0	0	0	%100
109	MP2B	X	.713	.713	0	%100
110	MP2B	Z	0	0	0	%100
111	MP3B	X	.589	.589	0	%100
112	MP3B	Z	0	0	0	%100
113	MP4B	X	.589	.589	0	%100
114	MP4B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.672	.672	0	%100
2	M1	Z	.388	.388	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	.168	.168	0	%100
6	M3	Z	.097	.097	0	%100
7	M4	X	1.289	1.289	0	%100
8	M4	Z	.744	.744	0	%100
9	M5	X	.168	.168	0	%100
10	M5	Z	.097	.097	0	%100
11	M6	X	1.289	1.289	0	%100
12	M6	Z	.744	.744	0	%100
13	M7	X	.224	.224	0	%100
14	M7	Z	.13	.13	0	%100
15	M13	X	.157	.157	0	%100
16	M13	Z	.09	.09	0	%100
17	M14	X	.627	.627	0	%100
18	M14	Z	.362	.362	0	%100
19	M21	X	.224	.224	0	%100
20	M21	Z	.13	.13	0	%100
21	M27	X	.627	.627	0	%100
22	M27	Z	.362	.362	0	%100
23	M28	X	.157	.157	0	%100
24	M28	Z	.09	.09	0	%100
25	M35	X	.898	.898	0	%100
26	M35	Z	.518	.518	0	%100
27	M41	X	.157	.157	0	%100
28	M41	Z	.09	.09	0	%100
29	M42	X	.157	.157	0	%100
30	M42	Z	.09	.09	0	%100
31	M48	X	.343	.343	0	%100
32	M48	Z	.198	.198	0	%100
33	M49	X	.343	.343	0	%100
34	M49	Z	.198	.198	0	%100
35	M53	X	1.001	1.001	0	%100
36	M53	Z	.578	.578	0	%100
37	M54	X	.172	.172	0	%100
38	M54	Z	.099	.099	0	%100
39	M59	X	.172	.172	0	%100
40	M59	Z	.099	.099	0	%100
41	M60	X	1.001	1.001	0	%100
42	M60	Z	.578	.578	0	%100
43	M62	X	.03	.03	0	%100
44	M62	Z	.017	.017	0	%100
45	M64	X	.632	.632	0	%100
46	M64	Z	.365	.365	0	%100
47	M66	X	.386	.386	0	%100
48	M66	Z	.223	.223	0	%100
49	M100	X	.51	.51	0	%100
50	M100	Z	.295	.295	0	%100
51	M101	X	.128	.128	0	%100
52	M101	Z	.074	.074	0	%100
53	M102	X	.128	.128	0	%100
54	M102	Z	.074	.074	0	%100
55	M105	X	.139	.139	0	%100
56	M105	Z	.08	.08	0	%100
57	M108	X	.139	.139	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M108	Z	.08	.08	0	%100
59	M111	X	.556	.556	0	%100
60	M111	Z	.321	.321	0	%100
61	M134A	X	.859	.859	0	%100
62	M134A	Z	.496	.496	0	%100
63	M135A	X	.859	.859	0	%100
64	M135A	Z	.496	.496	0	%100
65	M136	X	.859	.859	0	%100
66	M136	Z	.496	.496	0	%100
67	M131A	X	.215	.215	0	%100
68	M131A	Z	.124	.124	0	%100
69	M132A	X	.215	.215	0	%100
70	M132A	Z	.124	.124	0	%100
71	M135B	X	.215	.215	0	%100
72	M135B	Z	.124	.124	0	%100
73	M136A	X	.215	.215	0	%100
74	M136A	Z	.124	.124	0	%100
75	MP1A	X	.51	.51	0	%100
76	MP1A	Z	.295	.295	0	%100
77	M97	X	.672	.672	0	%100
78	M97	Z	.388	.388	0	%100
79	M98	X	.168	.168	0	%100
80	M98	Z	.097	.097	0	%100
81	M99	X	.168	.168	0	%100
82	M99	Z	.097	.097	0	%100
83	M102A	X	.896	.896	0	%100
84	M102A	Z	.517	.517	0	%100
85	M102B	X	.215	.215	0	%100
86	M102B	Z	.124	.124	0	%100
87	M103B	X	.224	.224	0	%100
88	M103B	Z	.129	.129	0	%100
89	M105A	X	.215	.215	0	%100
90	M105A	Z	.124	.124	0	%100
91	M106A	X	.224	.224	0	%100
92	M106A	Z	.129	.129	0	%100
93	MP2A	X	.618	.618	0	%100
94	MP2A	Z	.357	.357	0	%100
95	MP3A	X	.51	.51	0	%100
96	MP3A	Z	.295	.295	0	%100
97	MP4A	X	.51	.51	0	%100
98	MP4A	Z	.295	.295	0	%100
99	MP1C	X	.51	.51	0	%100
100	MP1C	Z	.295	.295	0	%100
101	MP2C	X	.618	.618	0	%100
102	MP2C	Z	.357	.357	0	%100
103	MP3C	X	.51	.51	0	%100
104	MP3C	Z	.295	.295	0	%100
105	MP4C	X	.51	.51	0	%100
106	MP4C	Z	.295	.295	0	%100
107	MP1B	X	.51	.51	0	%100
108	MP1B	Z	.295	.295	0	%100
109	MP2B	X	.618	.618	0	%100
110	MP2B	Z	.357	.357	0	%100
111	MP3B	X	.51	.51	0	%100
112	MP3B	Z	.295	.295	0	%100
113	MP4B	X	.51	.51	0	%100
114	MP4B	Z	.295	.295	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.291	.291	0	%100
2	M1	Z	.504	.504	0	%100
3	M2	X	.248	.248	0	%100
4	M2	Z	.43	.43	0	%100
5	M3	X	.291	.291	0	%100
6	M3	Z	.504	.504	0	%100
7	M4	X	.248	.248	0	%100
8	M4	Z	.43	.43	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	.992	.992	0	%100
12	M6	Z	1.719	1.719	0	%100
13	M7	X	.389	.389	0	%100
14	M7	Z	.673	.673	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	0	0	0	%100
17	M14	X	.271	.271	0	%100
18	M14	Z	.47	.47	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	0	0	0	%100
21	M27	X	.271	.271	0	%100
22	M27	Z	.47	.47	0	%100
23	M28	X	.271	.271	0	%100
24	M28	Z	.47	.47	0	%100
25	M35	X	.389	.389	0	%100
26	M35	Z	.673	.673	0	%100
27	M41	X	.271	.271	0	%100
28	M41	Z	.47	.47	0	%100
29	M42	X	0	0	0	%100
30	M42	Z	0	0	0	%100
31	M48	X	.006	.006	0	%100
32	M48	Z	.01	.01	0	%100
33	M49	X	.484	.484	0	%100
34	M49	Z	.839	.839	0	%100
35	M53	X	.484	.484	0	%100
36	M53	Z	.839	.839	0	%100
37	M54	X	.006	.006	0	%100
38	M54	Z	.01	.01	0	%100
39	M59	X	.386	.386	0	%100
40	M59	Z	.668	.668	0	%100
41	M60	X	.386	.386	0	%100
42	M60	Z	.668	.668	0	%100
43	M62	X	.039	.039	0	%100
44	M62	Z	.067	.067	0	%100
45	M64	X	.181	.181	0	%100
46	M64	Z	.313	.313	0	%100
47	M66	X	.386	.386	0	%100
48	M66	Z	.668	.668	0	%100
49	M100	X	.221	.221	0	%100
50	M100	Z	.383	.383	0	%100
51	M101	X	.221	.221	0	%100
52	M101	Z	.383	.383	0	%100
53	M102	X	0	0	0	%100
54	M102	Z	0	0	0	%100
55	M105	X	.241	.241	0	%100
56	M105	Z	.417	.417	0	%100
57	M108	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M108	Z	0	0	0	%100
59	M111	X	.241	.241	0	%100
60	M111	Z	.417	.417	0	%100
61	M134A	X	.372	.372	0	%100
62	M134A	Z	.645	.645	0	%100
63	M135A	X	.372	.372	0	%100
64	M135A	Z	.645	.645	0	%100
65	M136	X	.372	.372	0	%100
66	M136	Z	.645	.645	0	%100
67	M131A	X	.372	.372	0	%100
68	M131A	Z	.645	.645	0	%100
69	M132A	X	.372	.372	0	%100
70	M132A	Z	.645	.645	0	%100
71	M135B	X	0	0	0	%100
72	M135B	Z	0	0	0	%100
73	M136A	X	0	0	0	%100
74	M136A	Z	0	0	0	%100
75	MP1A	X	.295	.295	0	%100
76	MP1A	Z	.51	.51	0	%100
77	M97	X	.291	.291	0	%100
78	M97	Z	.504	.504	0	%100
79	M98	X	.291	.291	0	%100
80	M98	Z	.504	.504	0	%100
81	M99	X	0	0	0	%100
82	M99	Z	0	0	0	%100
83	M102A	X	.388	.388	0	%100
84	M102A	Z	.672	.672	0	%100
85	M102B	X	.372	.372	0	%100
86	M102B	Z	.645	.645	0	%100
87	M103B	X	.388	.388	0	%100
88	M103B	Z	.672	.672	0	%100
89	M105A	X	0	0	0	%100
90	M105A	Z	0	0	0	%100
91	M106A	X	0	0	0	%100
92	M106A	Z	0	0	0	%100
93	MP2A	X	.357	.357	0	%100
94	MP2A	Z	.618	.618	0	%100
95	MP3A	X	.295	.295	0	%100
96	MP3A	Z	.51	.51	0	%100
97	MP4A	X	.295	.295	0	%100
98	MP4A	Z	.51	.51	0	%100
99	MP1C	X	.295	.295	0	%100
100	MP1C	Z	.51	.51	0	%100
101	MP2C	X	.357	.357	0	%100
102	MP2C	Z	.618	.618	0	%100
103	MP3C	X	.295	.295	0	%100
104	MP3C	Z	.51	.51	0	%100
105	MP4C	X	.295	.295	0	%100
106	MP4C	Z	.51	.51	0	%100
107	MP1B	X	.295	.295	0	%100
108	MP1B	Z	.51	.51	0	%100
109	MP2B	X	.357	.357	0	%100
110	MP2B	Z	.618	.618	0	%100
111	MP3B	X	.295	.295	0	%100
112	MP3B	Z	.51	.51	0	%100
113	MP4B	X	.295	.295	0	%100
114	MP4B	Z	.51	.51	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	.194	.194	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	1.488	1.488	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	.776	.776	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	.194	.194	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	1.488	1.488	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	1.036	1.036	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	.181	.181	0	%100
17	M14	X	0	0	0	%100
18	M14	Z	.181	.181	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	.259	.259	0	%100
21	M27	X	0	0	0	%100
22	M27	Z	.181	.181	0	%100
23	M28	X	0	0	0	%100
24	M28	Z	.724	.724	0	%100
25	M35	X	0	0	0	%100
26	M35	Z	.259	.259	0	%100
27	M41	X	0	0	0	%100
28	M41	Z	.724	.724	0	%100
29	M42	X	0	0	0	%100
30	M42	Z	.181	.181	0	%100
31	M48	X	0	0	0	%100
32	M48	Z	.199	.199	0	%100
33	M49	X	0	0	0	%100
34	M49	Z	1.156	1.156	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	.396	.396	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	.396	.396	0	%100
39	M59	X	0	0	0	%100
40	M59	Z	1.156	1.156	0	%100
41	M60	X	0	0	0	%100
42	M60	Z	.199	.199	0	%100
43	M62	X	0	0	0	%100
44	M62	Z	.445	.445	0	%100
45	M64	X	0	0	0	%100
46	M64	Z	.035	.035	0	%100
47	M66	X	0	0	0	%100
48	M66	Z	.73	.73	0	%100
49	M100	X	0	0	0	%100
50	M100	Z	.147	.147	0	%100
51	M101	X	0	0	0	%100
52	M101	Z	.589	.589	0	%100
53	M102	X	0	0	0	%100
54	M102	Z	.147	.147	0	%100
55	M105	X	0	0	0	%100
56	M105	Z	.642	.642	0	%100
57	M108	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M108	Z	.16	.16	0	%100
59	M111	X	0	0	0	%100
60	M111	Z	.16	.16	0	%100
61	M134A	X	0	0	0	%100
62	M134A	Z	.248	.248	0	%100
63	M135A	X	0	0	0	%100
64	M135A	Z	.248	.248	0	%100
65	M136	X	0	0	0	%100
66	M136	Z	.248	.248	0	%100
67	M131A	X	0	0	0	%100
68	M131A	Z	.992	.992	0	%100
69	M132A	X	0	0	0	%100
70	M132A	Z	.992	.992	0	%100
71	M135B	X	0	0	0	%100
72	M135B	Z	.248	.248	0	%100
73	M136A	X	0	0	0	%100
74	M136A	Z	.248	.248	0	%100
75	MP1A	X	0	0	0	%100
76	MP1A	Z	.589	.589	0	%100
77	M97	X	0	0	0	%100
78	M97	Z	.194	.194	0	%100
79	M98	X	0	0	0	%100
80	M98	Z	.776	.776	0	%100
81	M99	X	0	0	0	%100
82	M99	Z	.194	.194	0	%100
83	M102A	X	0	0	0	%100
84	M102A	Z	.259	.259	0	%100
85	M102B	X	0	0	0	%100
86	M102B	Z	.992	.992	0	%100
87	M103B	X	0	0	0	%100
88	M103B	Z	1.035	1.035	0	%100
89	M105A	X	0	0	0	%100
90	M105A	Z	.248	.248	0	%100
91	M106A	X	0	0	0	%100
92	M106A	Z	.259	.259	0	%100
93	MP2A	X	0	0	0	%100
94	MP2A	Z	.713	.713	0	%100
95	MP3A	X	0	0	0	%100
96	MP3A	Z	.589	.589	0	%100
97	MP4A	X	0	0	0	%100
98	MP4A	Z	.589	.589	0	%100
99	MP1C	X	0	0	0	%100
100	MP1C	Z	.589	.589	0	%100
101	MP2C	X	0	0	0	%100
102	MP2C	Z	.713	.713	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	.589	.589	0	%100
105	MP4C	X	0	0	0	%100
106	MP4C	Z	.589	.589	0	%100
107	MP1B	X	0	0	0	%100
108	MP1B	Z	.589	.589	0	%100
109	MP2B	X	0	0	0	%100
110	MP2B	Z	.713	.713	0	%100
111	MP3B	X	0	0	0	%100
112	MP3B	Z	.589	.589	0	%100
113	MP4B	X	0	0	0	%100
114	MP4B	Z	.589	.589	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-.992	-.992	0	%100
4	M2	Z	1.719	1.719	0	%100
5	M3	X	-.291	-.291	0	%100
6	M3	Z	.504	.504	0	%100
7	M4	X	-.248	-.248	0	%100
8	M4	Z	.43	.43	0	%100
9	M5	X	-.291	-.291	0	%100
10	M5	Z	.504	.504	0	%100
11	M6	X	-.248	-.248	0	%100
12	M6	Z	.43	.43	0	%100
13	M7	X	-.389	-.389	0	%100
14	M7	Z	.673	.673	0	%100
15	M13	X	-.271	-.271	0	%100
16	M13	Z	.47	.47	0	%100
17	M14	X	0	0	0	%100
18	M14	Z	0	0	0	%100
19	M21	X	-.389	-.389	0	%100
20	M21	Z	.673	.673	0	%100
21	M27	X	0	0	0	%100
22	M27	Z	0	0	0	%100
23	M28	X	-.271	-.271	0	%100
24	M28	Z	.47	.47	0	%100
25	M35	X	0	0	0	%100
26	M35	Z	0	0	0	%100
27	M41	X	-.271	-.271	0	%100
28	M41	Z	.47	.47	0	%100
29	M42	X	-.271	-.271	0	%100
30	M42	Z	.47	.47	0	%100
31	M48	X	-.386	-.386	0	%100
32	M48	Z	.668	.668	0	%100
33	M49	X	-.386	-.386	0	%100
34	M49	Z	.668	.668	0	%100
35	M53	X	-.006	-.006	0	%100
36	M53	Z	.01	.01	0	%100
37	M54	X	-.484	-.484	0	%100
38	M54	Z	.839	.839	0	%100
39	M59	X	-.484	-.484	0	%100
40	M59	Z	.839	.839	0	%100
41	M60	X	-.006	-.006	0	%100
42	M60	Z	.01	.01	0	%100
43	M62	X	-.386	-.386	0	%100
44	M62	Z	.668	.668	0	%100
45	M64	X	-.039	-.039	0	%100
46	M64	Z	.067	.067	0	%100
47	M66	X	-.181	-.181	0	%100
48	M66	Z	.313	.313	0	%100
49	M100	X	0	0	0	%100
50	M100	Z	0	0	0	%100
51	M101	X	-.221	-.221	0	%100
52	M101	Z	.383	.383	0	%100
53	M102	X	-.221	-.221	0	%100
54	M102	Z	.383	.383	0	%100
55	M105	X	-.241	-.241	0	%100
56	M105	Z	.417	.417	0	%100
57	M108	X	-.241	-.241	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M108	Z	.417	.417	0	%100
59	M111	X	0	0	0	%100
60	M111	Z	0	0	0	%100
61	M134A	X	0	0	0	%100
62	M134A	Z	0	0	0	%100
63	M135A	X	0	0	0	%100
64	M135A	Z	0	0	0	%100
65	M136	X	0	0	0	%100
66	M136	Z	0	0	0	%100
67	M131A	X	-.372	-.372	0	%100
68	M131A	Z	.645	.645	0	%100
69	M132A	X	-.372	-.372	0	%100
70	M132A	Z	.645	.645	0	%100
71	M135B	X	-.372	-.372	0	%100
72	M135B	Z	.645	.645	0	%100
73	M136A	X	-.372	-.372	0	%100
74	M136A	Z	.645	.645	0	%100
75	MP1A	X	-.295	-.295	0	%100
76	MP1A	Z	.51	.51	0	%100
77	M97	X	0	0	0	%100
78	M97	Z	0	0	0	%100
79	M98	X	-.291	-.291	0	%100
80	M98	Z	.504	.504	0	%100
81	M99	X	-.291	-.291	0	%100
82	M99	Z	.504	.504	0	%100
83	M102A	X	0	0	0	%100
84	M102A	Z	0	0	0	%100
85	M102B	X	-.372	-.372	0	%100
86	M102B	Z	.645	.645	0	%100
87	M103B	X	-.388	-.388	0	%100
88	M103B	Z	.672	.672	0	%100
89	M105A	X	-.372	-.372	0	%100
90	M105A	Z	.645	.645	0	%100
91	M106A	X	-.388	-.388	0	%100
92	M106A	Z	.672	.672	0	%100
93	MP2A	X	-.357	-.357	0	%100
94	MP2A	Z	.618	.618	0	%100
95	MP3A	X	-.295	-.295	0	%100
96	MP3A	Z	.51	.51	0	%100
97	MP4A	X	-.295	-.295	0	%100
98	MP4A	Z	.51	.51	0	%100
99	MP1C	X	-.295	-.295	0	%100
100	MP1C	Z	.51	.51	0	%100
101	MP2C	X	-.357	-.357	0	%100
102	MP2C	Z	.618	.618	0	%100
103	MP3C	X	-.295	-.295	0	%100
104	MP3C	Z	.51	.51	0	%100
105	MP4C	X	-.295	-.295	0	%100
106	MP4C	Z	.51	.51	0	%100
107	MP1B	X	-.295	-.295	0	%100
108	MP1B	Z	.51	.51	0	%100
109	MP2B	X	-.357	-.357	0	%100
110	MP2B	Z	.618	.618	0	%100
111	MP3B	X	-.295	-.295	0	%100
112	MP3B	Z	.51	.51	0	%100
113	MP4B	X	-.295	-.295	0	%100
114	MP4B	Z	.51	.51	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.168	-.168	0	%100
2	M1	Z	.097	.097	0	%100
3	M2	X	-1.289	-1.289	0	%100
4	M2	Z	.744	.744	0	%100
5	M3	X	-.168	-.168	0	%100
6	M3	Z	.097	.097	0	%100
7	M4	X	-1.289	-1.289	0	%100
8	M4	Z	.744	.744	0	%100
9	M5	X	-.672	-.672	0	%100
10	M5	Z	.388	.388	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	-.224	-.224	0	%100
14	M7	Z	.13	.13	0	%100
15	M13	X	-.627	-.627	0	%100
16	M13	Z	.362	.362	0	%100
17	M14	X	-.157	-.157	0	%100
18	M14	Z	.09	.09	0	%100
19	M21	X	-.898	-.898	0	%100
20	M21	Z	.518	.518	0	%100
21	M27	X	-.157	-.157	0	%100
22	M27	Z	.09	.09	0	%100
23	M28	X	-.157	-.157	0	%100
24	M28	Z	.09	.09	0	%100
25	M35	X	-.224	-.224	0	%100
26	M35	Z	.13	.13	0	%100
27	M41	X	-.157	-.157	0	%100
28	M41	Z	.09	.09	0	%100
29	M42	X	-.627	-.627	0	%100
30	M42	Z	.362	.362	0	%100
31	M48	X	-1.001	-1.001	0	%100
32	M48	Z	.578	.578	0	%100
33	M49	X	-.172	-.172	0	%100
34	M49	Z	.099	.099	0	%100
35	M53	X	-.172	-.172	0	%100
36	M53	Z	.099	.099	0	%100
37	M54	X	-1.001	-1.001	0	%100
38	M54	Z	.578	.578	0	%100
39	M59	X	-.343	-.343	0	%100
40	M59	Z	.198	.198	0	%100
41	M60	X	-.343	-.343	0	%100
42	M60	Z	.198	.198	0	%100
43	M62	X	-.632	-.632	0	%100
44	M62	Z	.365	.365	0	%100
45	M64	X	-.386	-.386	0	%100
46	M64	Z	.223	.223	0	%100
47	M66	X	-.03	-.03	0	%100
48	M66	Z	.017	.017	0	%100
49	M100	X	-.128	-.128	0	%100
50	M100	Z	.074	.074	0	%100
51	M101	X	-.128	-.128	0	%100
52	M101	Z	.074	.074	0	%100
53	M102	X	-.51	-.51	0	%100
54	M102	Z	.295	.295	0	%100
55	M105	X	-.139	-.139	0	%100
56	M105	Z	.08	.08	0	%100
57	M108	X	-.556	-.556	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M108	Z	.321	.321	0	%100
59	M111	X	-.139	-.139	0	%100
60	M111	Z	.08	.08	0	%100
61	M134A	X	-.215	-.215	0	%100
62	M134A	Z	.124	.124	0	%100
63	M135A	X	-.215	-.215	0	%100
64	M135A	Z	.124	.124	0	%100
65	M136	X	-.215	-.215	0	%100
66	M136	Z	.124	.124	0	%100
67	M131A	X	-.215	-.215	0	%100
68	M131A	Z	.124	.124	0	%100
69	M132A	X	-.215	-.215	0	%100
70	M132A	Z	.124	.124	0	%100
71	M135B	X	-.859	-.859	0	%100
72	M135B	Z	.496	.496	0	%100
73	M136A	X	-.859	-.859	0	%100
74	M136A	Z	.496	.496	0	%100
75	MP1A	X	-.51	-.51	0	%100
76	MP1A	Z	.295	.295	0	%100
77	M97	X	-.168	-.168	0	%100
78	M97	Z	.097	.097	0	%100
79	M98	X	-.168	-.168	0	%100
80	M98	Z	.097	.097	0	%100
81	M99	X	-.672	-.672	0	%100
82	M99	Z	.388	.388	0	%100
83	M102A	X	-.224	-.224	0	%100
84	M102A	Z	.129	.129	0	%100
85	M102B	X	-.215	-.215	0	%100
86	M102B	Z	.124	.124	0	%100
87	M103B	X	-.224	-.224	0	%100
88	M103B	Z	.129	.129	0	%100
89	M105A	X	-.859	-.859	0	%100
90	M105A	Z	.496	.496	0	%100
91	M106A	X	-.896	-.896	0	%100
92	M106A	Z	.517	.517	0	%100
93	MP2A	X	-.618	-.618	0	%100
94	MP2A	Z	.357	.357	0	%100
95	MP3A	X	-.51	-.51	0	%100
96	MP3A	Z	.295	.295	0	%100
97	MP4A	X	-.51	-.51	0	%100
98	MP4A	Z	.295	.295	0	%100
99	MP1C	X	-.51	-.51	0	%100
100	MP1C	Z	.295	.295	0	%100
101	MP2C	X	-.618	-.618	0	%100
102	MP2C	Z	.357	.357	0	%100
103	MP3C	X	-.51	-.51	0	%100
104	MP3C	Z	.295	.295	0	%100
105	MP4C	X	-.51	-.51	0	%100
106	MP4C	Z	.295	.295	0	%100
107	MP1B	X	-.51	-.51	0	%100
108	MP1B	Z	.295	.295	0	%100
109	MP2B	X	-.618	-.618	0	%100
110	MP2B	Z	.357	.357	0	%100
111	MP3B	X	-.51	-.51	0	%100
112	MP3B	Z	.295	.295	0	%100
113	MP4B	X	-.51	-.51	0	%100
114	MP4B	Z	.295	.295	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.582	-.582	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-.496	-.496	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-1.985	-1.985	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-.582	-.582	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	-.496	-.496	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M13	X	-.543	-.543	0	%100
16	M13	Z	0	0	0	%100
17	M14	X	-.543	-.543	0	%100
18	M14	Z	0	0	0	%100
19	M21	X	-.777	-.777	0	%100
20	M21	Z	0	0	0	%100
21	M27	X	-.543	-.543	0	%100
22	M27	Z	0	0	0	%100
23	M28	X	0	0	0	%100
24	M28	Z	0	0	0	%100
25	M35	X	-.777	-.777	0	%100
26	M35	Z	0	0	0	%100
27	M41	X	0	0	0	%100
28	M41	Z	0	0	0	%100
29	M42	X	-.543	-.543	0	%100
30	M42	Z	0	0	0	%100
31	M48	X	-.968	-.968	0	%100
32	M48	Z	0	0	0	%100
33	M49	X	-.011	-.011	0	%100
34	M49	Z	0	0	0	%100
35	M53	X	-.771	-.771	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	-.771	-.771	0	%100
38	M54	Z	0	0	0	%100
39	M59	X	-.011	-.011	0	%100
40	M59	Z	0	0	0	%100
41	M60	X	-.968	-.968	0	%100
42	M60	Z	0	0	0	%100
43	M62	X	-.361	-.361	0	%100
44	M62	Z	0	0	0	%100
45	M64	X	-.772	-.772	0	%100
46	M64	Z	0	0	0	%100
47	M66	X	-.077	-.077	0	%100
48	M66	Z	0	0	0	%100
49	M100	X	-.442	-.442	0	%100
50	M100	Z	0	0	0	%100
51	M101	X	0	0	0	%100
52	M101	Z	0	0	0	%100
53	M102	X	-.442	-.442	0	%100
54	M102	Z	0	0	0	%100
55	M105	X	0	0	0	%100
56	M105	Z	0	0	0	%100
57	M108	X	-.481	-.481	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M108	Z	0	0	0	%100
59	M111	X	-.481	-.481	0	%100
60	M111	Z	0	0	0	%100
61	M134A	X	-.744	-.744	0	%100
62	M134A	Z	0	0	0	%100
63	M135A	X	-.744	-.744	0	%100
64	M135A	Z	0	0	0	%100
65	M136	X	-.744	-.744	0	%100
66	M136	Z	0	0	0	%100
67	M131A	X	0	0	0	%100
68	M131A	Z	0	0	0	%100
69	M132A	X	0	0	0	%100
70	M132A	Z	0	0	0	%100
71	M135B	X	-.744	-.744	0	%100
72	M135B	Z	0	0	0	%100
73	M136A	X	-.744	-.744	0	%100
74	M136A	Z	0	0	0	%100
75	MP1A	X	-.589	-.589	0	%100
76	MP1A	Z	0	0	0	%100
77	M97	X	-.582	-.582	0	%100
78	M97	Z	0	0	0	%100
79	M98	X	0	0	0	%100
80	M98	Z	0	0	0	%100
81	M99	X	-.582	-.582	0	%100
82	M99	Z	0	0	0	%100
83	M102A	X	-.776	-.776	0	%100
84	M102A	Z	0	0	0	%100
85	M102B	X	0	0	0	%100
86	M102B	Z	0	0	0	%100
87	M103B	X	0	0	0	%100
88	M103B	Z	0	0	0	%100
89	M105A	X	-.744	-.744	0	%100
90	M105A	Z	0	0	0	%100
91	M106A	X	-.776	-.776	0	%100
92	M106A	Z	0	0	0	%100
93	MP2A	X	-.713	-.713	0	%100
94	MP2A	Z	0	0	0	%100
95	MP3A	X	-.589	-.589	0	%100
96	MP3A	Z	0	0	0	%100
97	MP4A	X	-.589	-.589	0	%100
98	MP4A	Z	0	0	0	%100
99	MP1C	X	-.589	-.589	0	%100
100	MP1C	Z	0	0	0	%100
101	MP2C	X	-.713	-.713	0	%100
102	MP2C	Z	0	0	0	%100
103	MP3C	X	-.589	-.589	0	%100
104	MP3C	Z	0	0	0	%100
105	MP4C	X	-.589	-.589	0	%100
106	MP4C	Z	0	0	0	%100
107	MP1B	X	-.589	-.589	0	%100
108	MP1B	Z	0	0	0	%100
109	MP2B	X	-.713	-.713	0	%100
110	MP2B	Z	0	0	0	%100
111	MP3B	X	-.589	-.589	0	%100
112	MP3B	Z	0	0	0	%100
113	MP4B	X	-.589	-.589	0	%100
114	MP4B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.672	-.672	0	%100
2	M1	Z	-.388	-.388	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-.168	-.168	0	%100
6	M3	Z	-.097	-.097	0	%100
7	M4	X	-1.289	-1.289	0	%100
8	M4	Z	-.744	-.744	0	%100
9	M5	X	-.168	-.168	0	%100
10	M5	Z	-.097	-.097	0	%100
11	M6	X	-1.289	-1.289	0	%100
12	M6	Z	-.744	-.744	0	%100
13	M7	X	-.224	-.224	0	%100
14	M7	Z	-.13	-.13	0	%100
15	M13	X	-.157	-.157	0	%100
16	M13	Z	-.09	-.09	0	%100
17	M14	X	-.627	-.627	0	%100
18	M14	Z	-.362	-.362	0	%100
19	M21	X	-.224	-.224	0	%100
20	M21	Z	-.13	-.13	0	%100
21	M27	X	-.627	-.627	0	%100
22	M27	Z	-.362	-.362	0	%100
23	M28	X	-.157	-.157	0	%100
24	M28	Z	-.09	-.09	0	%100
25	M35	X	-.898	-.898	0	%100
26	M35	Z	-.518	-.518	0	%100
27	M41	X	-.157	-.157	0	%100
28	M41	Z	-.09	-.09	0	%100
29	M42	X	-.157	-.157	0	%100
30	M42	Z	-.09	-.09	0	%100
31	M48	X	-.343	-.343	0	%100
32	M48	Z	-.198	-.198	0	%100
33	M49	X	-.343	-.343	0	%100
34	M49	Z	-.198	-.198	0	%100
35	M53	X	-1.001	-1.001	0	%100
36	M53	Z	-.578	-.578	0	%100
37	M54	X	-.172	-.172	0	%100
38	M54	Z	-.099	-.099	0	%100
39	M59	X	-.172	-.172	0	%100
40	M59	Z	-.099	-.099	0	%100
41	M60	X	-1.001	-1.001	0	%100
42	M60	Z	-.578	-.578	0	%100
43	M62	X	-.03	-.03	0	%100
44	M62	Z	-.017	-.017	0	%100
45	M64	X	-.632	-.632	0	%100
46	M64	Z	-.365	-.365	0	%100
47	M66	X	-.386	-.386	0	%100
48	M66	Z	-.223	-.223	0	%100
49	M100	X	-.51	-.51	0	%100
50	M100	Z	-.295	-.295	0	%100
51	M101	X	-.128	-.128	0	%100
52	M101	Z	-.074	-.074	0	%100
53	M102	X	-.128	-.128	0	%100
54	M102	Z	-.074	-.074	0	%100
55	M105	X	-.139	-.139	0	%100
56	M105	Z	-.08	-.08	0	%100
57	M108	X	-.139	-.139	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M108	Z	-.08	-.08	0	%100
59	M111	X	-.556	-.556	0	%100
60	M111	Z	-.321	-.321	0	%100
61	M134A	X	-.859	-.859	0	%100
62	M134A	Z	-.496	-.496	0	%100
63	M135A	X	-.859	-.859	0	%100
64	M135A	Z	-.496	-.496	0	%100
65	M136	X	-.859	-.859	0	%100
66	M136	Z	-.496	-.496	0	%100
67	M131A	X	-.215	-.215	0	%100
68	M131A	Z	-.124	-.124	0	%100
69	M132A	X	-.215	-.215	0	%100
70	M132A	Z	-.124	-.124	0	%100
71	M135B	X	-.215	-.215	0	%100
72	M135B	Z	-.124	-.124	0	%100
73	M136A	X	-.215	-.215	0	%100
74	M136A	Z	-.124	-.124	0	%100
75	MP1A	X	-.51	-.51	0	%100
76	MP1A	Z	-.295	-.295	0	%100
77	M97	X	-.672	-.672	0	%100
78	M97	Z	-.388	-.388	0	%100
79	M98	X	-.168	-.168	0	%100
80	M98	Z	-.097	-.097	0	%100
81	M99	X	-.168	-.168	0	%100
82	M99	Z	-.097	-.097	0	%100
83	M102A	X	-.896	-.896	0	%100
84	M102A	Z	-.517	-.517	0	%100
85	M102B	X	-.215	-.215	0	%100
86	M102B	Z	-.124	-.124	0	%100
87	M103B	X	-.224	-.224	0	%100
88	M103B	Z	-.129	-.129	0	%100
89	M105A	X	-.215	-.215	0	%100
90	M105A	Z	-.124	-.124	0	%100
91	M106A	X	-.224	-.224	0	%100
92	M106A	Z	-.129	-.129	0	%100
93	MP2A	X	-.618	-.618	0	%100
94	MP2A	Z	-.357	-.357	0	%100
95	MP3A	X	-.51	-.51	0	%100
96	MP3A	Z	-.295	-.295	0	%100
97	MP4A	X	-.51	-.51	0	%100
98	MP4A	Z	-.295	-.295	0	%100
99	MP1C	X	-.51	-.51	0	%100
100	MP1C	Z	-.295	-.295	0	%100
101	MP2C	X	-.618	-.618	0	%100
102	MP2C	Z	-.357	-.357	0	%100
103	MP3C	X	-.51	-.51	0	%100
104	MP3C	Z	-.295	-.295	0	%100
105	MP4C	X	-.51	-.51	0	%100
106	MP4C	Z	-.295	-.295	0	%100
107	MP1B	X	-.51	-.51	0	%100
108	MP1B	Z	-.295	-.295	0	%100
109	MP2B	X	-.618	-.618	0	%100
110	MP2B	Z	-.357	-.357	0	%100
111	MP3B	X	-.51	-.51	0	%100
112	MP3B	Z	-.295	-.295	0	%100
113	MP4B	X	-.51	-.51	0	%100
114	MP4B	Z	-.295	-.295	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.291	-.291	0	%100
2	M1	Z	-.504	-.504	0	%100
3	M2	X	-.248	-.248	0	%100
4	M2	Z	-.43	-.43	0	%100
5	M3	X	-.291	-.291	0	%100
6	M3	Z	-.504	-.504	0	%100
7	M4	X	-.248	-.248	0	%100
8	M4	Z	-.43	-.43	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	-.992	-.992	0	%100
12	M6	Z	-1.719	-1.719	0	%100
13	M7	X	-.389	-.389	0	%100
14	M7	Z	-.673	-.673	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	0	0	0	%100
17	M14	X	-.271	-.271	0	%100
18	M14	Z	-.47	-.47	0	%100
19	M21	X	0	0	0	%100
20	M21	Z	0	0	0	%100
21	M27	X	-.271	-.271	0	%100
22	M27	Z	-.47	-.47	0	%100
23	M28	X	-.271	-.271	0	%100
24	M28	Z	-.47	-.47	0	%100
25	M35	X	-.389	-.389	0	%100
26	M35	Z	-.673	-.673	0	%100
27	M41	X	-.271	-.271	0	%100
28	M41	Z	-.47	-.47	0	%100
29	M42	X	0	0	0	%100
30	M42	Z	0	0	0	%100
31	M48	X	-.006	-.006	0	%100
32	M48	Z	-.01	-.01	0	%100
33	M49	X	-.484	-.484	0	%100
34	M49	Z	-.839	-.839	0	%100
35	M53	X	-.484	-.484	0	%100
36	M53	Z	-.839	-.839	0	%100
37	M54	X	-.006	-.006	0	%100
38	M54	Z	-.01	-.01	0	%100
39	M59	X	-.386	-.386	0	%100
40	M59	Z	-.668	-.668	0	%100
41	M60	X	-.386	-.386	0	%100
42	M60	Z	-.668	-.668	0	%100
43	M62	X	-.039	-.039	0	%100
44	M62	Z	-.067	-.067	0	%100
45	M64	X	-.181	-.181	0	%100
46	M64	Z	-.313	-.313	0	%100
47	M66	X	-.386	-.386	0	%100
48	M66	Z	-.668	-.668	0	%100
49	M100	X	-.221	-.221	0	%100
50	M100	Z	-.383	-.383	0	%100
51	M101	X	-.221	-.221	0	%100
52	M101	Z	-.383	-.383	0	%100
53	M102	X	0	0	0	%100
54	M102	Z	0	0	0	%100
55	M105	X	-.241	-.241	0	%100
56	M105	Z	-.417	-.417	0	%100
57	M108	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M108	Z	0	0	0	%100
59	M111	X	-.241	-.241	0	%100
60	M111	Z	-.417	-.417	0	%100
61	M134A	X	-.372	-.372	0	%100
62	M134A	Z	-.645	-.645	0	%100
63	M135A	X	-.372	-.372	0	%100
64	M135A	Z	-.645	-.645	0	%100
65	M136	X	-.372	-.372	0	%100
66	M136	Z	-.645	-.645	0	%100
67	M131A	X	-.372	-.372	0	%100
68	M131A	Z	-.645	-.645	0	%100
69	M132A	X	-.372	-.372	0	%100
70	M132A	Z	-.645	-.645	0	%100
71	M135B	X	0	0	0	%100
72	M135B	Z	0	0	0	%100
73	M136A	X	0	0	0	%100
74	M136A	Z	0	0	0	%100
75	MP1A	X	-.295	-.295	0	%100
76	MP1A	Z	-.51	-.51	0	%100
77	M97	X	-.291	-.291	0	%100
78	M97	Z	-.504	-.504	0	%100
79	M98	X	-.291	-.291	0	%100
80	M98	Z	-.504	-.504	0	%100
81	M99	X	0	0	0	%100
82	M99	Z	0	0	0	%100
83	M102A	X	-.388	-.388	0	%100
84	M102A	Z	-.672	-.672	0	%100
85	M102B	X	-.372	-.372	0	%100
86	M102B	Z	-.645	-.645	0	%100
87	M103B	X	-.388	-.388	0	%100
88	M103B	Z	-.672	-.672	0	%100
89	M105A	X	0	0	0	%100
90	M105A	Z	0	0	0	%100
91	M106A	X	0	0	0	%100
92	M106A	Z	0	0	0	%100
93	MP2A	X	-.357	-.357	0	%100
94	MP2A	Z	-.618	-.618	0	%100
95	MP3A	X	-.295	-.295	0	%100
96	MP3A	Z	-.51	-.51	0	%100
97	MP4A	X	-.295	-.295	0	%100
98	MP4A	Z	-.51	-.51	0	%100
99	MP1C	X	-.295	-.295	0	%100
100	MP1C	Z	-.51	-.51	0	%100
101	MP2C	X	-.357	-.357	0	%100
102	MP2C	Z	-.618	-.618	0	%100
103	MP3C	X	-.295	-.295	0	%100
104	MP3C	Z	-.51	-.51	0	%100
105	MP4C	X	-.295	-.295	0	%100
106	MP4C	Z	-.51	-.51	0	%100
107	MP1B	X	-.295	-.295	0	%100
108	MP1B	Z	-.51	-.51	0	%100
109	MP2B	X	-.357	-.357	0	%100
110	MP2B	Z	-.618	-.618	0	%100
111	MP3B	X	-.295	-.295	0	%100
112	MP3B	Z	-.51	-.51	0	%100
113	MP4B	X	-.295	-.295	0	%100
114	MP4B	Z	-.51	-.51	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M13	Y	-2.763	-4.935	0	.729
2	M13	Y	-4.935	-6.685	.729	1.458
3	M13	Y	-6.685	-6.073	1.458	2.188
4	M13	Y	-6.073	-3.519	2.188	2.917
5	M14	Y	-3.898	-7.015	0	.972
6	M14	Y	-7.015	-6.341	.972	1.944
7	M14	Y	-6.341	-1.878	1.944	2.917
8	M27	Y	-2.768	-4.934	0	.729
9	M27	Y	-4.934	-6.684	.729	1.458
10	M27	Y	-6.684	-6.073	1.458	2.187
11	M27	Y	-6.073	-3.518	2.187	2.917
12	M28	Y	-3.894	-7.014	0	.972
13	M28	Y	-7.014	-6.343	.972	1.944
14	M28	Y	-6.343	-1.881	1.944	2.917
15	M41	Y	-2.768	-4.934	0	.729
16	M41	Y	-4.934	-6.684	.729	1.458
17	M41	Y	-6.684	-6.073	1.458	2.188
18	M41	Y	-6.073	-3.518	2.188	2.917
19	M42	Y	-3.894	-7.014	0	.972
20	M42	Y	-7.014	-6.343	.972	1.944
21	M42	Y	-6.343	-1.881	1.944	2.917

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M13	Y	-5.246	-9.371	0	.729
2	M13	Y	-9.371	-12.693	.729	1.458
3	M13	Y	-12.693	-11.53	1.458	2.188
4	M13	Y	-11.53	-6.681	2.188	2.917
5	M14	Y	-7.401	-13.318	0	.972
6	M14	Y	-13.318	-12.04	.972	1.944
7	M14	Y	-12.04	-3.566	1.944	2.917
8	M27	Y	-5.256	-9.368	0	.729
9	M27	Y	-9.368	-12.69	.729	1.458
10	M27	Y	-12.69	-11.53	1.458	2.187
11	M27	Y	-11.53	-6.68	2.187	2.917
12	M28	Y	-7.393	-13.317	0	.972
13	M28	Y	-13.317	-12.044	.972	1.944
14	M28	Y	-12.044	-3.571	1.944	2.917
15	M41	Y	-5.256	-9.368	0	.729
16	M41	Y	-9.368	-12.69	.729	1.458
17	M41	Y	-12.69	-11.53	1.458	2.188
18	M41	Y	-11.53	-6.68	2.188	2.917
19	M42	Y	-7.393	-13.317	0	.972
20	M42	Y	-13.317	-12.044	.972	1.944
21	M42	Y	-12.044	-3.571	1.944	2.917

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M13	Z	-.083	-.148	0	.729
2	M13	Z	-.148	-.201	.729	1.458
3	M13	Z	-.201	-.182	1.458	2.188
4	M13	Z	-.182	-.106	2.188	2.917
5	M14	Z	-.117	-.21	0	.972
6	M14	Z	-.21	-.19	.972	1.944
7	M14	Z	-.19	-.056	1.944	2.917
8	M27	Z	-.083	-.148	0	.729

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
9	M27	Z	-.148	-.201	.729	1.458
10	M27	Z	-.201	-.182	1.458	2.187
11	M27	Z	-.182	-.106	2.187	2.917
12	M28	Z	-.117	-.21	0	.972
13	M28	Z	-.21	-.19	.972	1.944
14	M28	Z	-.19	-.056	1.944	2.917
15	M41	Z	-.083	-.148	0	.729
16	M41	Z	-.148	-.201	.729	1.458
17	M41	Z	-.201	-.182	1.458	2.188
18	M41	Z	-.182	-.106	2.188	2.917
19	M42	Z	-.117	-.21	0	.972
20	M42	Z	-.21	-.19	.972	1.944
21	M42	Z	-.19	-.056	1.944	2.917

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M13	X	.083	.148	0	.729
2	M13	X	.148	.201	.729	1.458
3	M13	X	.201	.182	1.458	2.188
4	M13	X	.182	.106	2.188	2.917
5	M14	X	.117	.21	0	.972
6	M14	X	.21	.19	.972	1.944
7	M14	X	.19	.056	1.944	2.917
8	M27	X	.083	.148	0	.729
9	M27	X	.148	.201	.729	1.458
10	M27	X	.201	.182	1.458	2.187
11	M27	X	.182	.106	2.187	2.917
12	M28	X	.117	.21	0	.972
13	M28	X	.21	.19	.972	1.944
14	M28	X	.19	.056	1.944	2.917
15	M41	X	.083	.148	0	.729
16	M41	X	.148	.201	.729	1.458
17	M41	X	.201	.182	1.458	2.188
18	M41	X	.182	.106	2.188	2.917
19	M42	X	.117	.21	0	.972
20	M42	X	.21	.19	.972	1.944
21	M42	X	.19	.056	1.944	2.917

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N33	N32	N31	N30	Y	Two Way	-.005
2	N64	N67	N66	N65	Y	Two Way	-.005
3	N98	N101	N100	N99	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N33	N32	N31	N30	Y	Two Way	-.01
2	N64	N67	N66	N65	Y	Two Way	-.01
3	N98	N101	N100	N99	Y	Two Way	-.01

Member Area Loads (BLC 84 : Structure Ev)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N33	N32	N31	N30	Y	Two Way	0
2	N64	N67	N66	N65	Y	Two Way	0

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
3	N98	N101	N100	N99	Y	Two Way	0

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N33	N32	N31	N30	Z	Two Way	-.000156
2	N64	N67	N66	N65	Z	Two Way	-.000156
3	N98	N101	N100	N99	Z	Two Way	-.000156

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N33	N32	N31	N30	X	Two Way	.000156
2	N64	N67	N66	N65	X	Two Way	.000156
3	N98	N101	N100	N99	X	Two Way	.000156

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

	Member	Shape	Code C...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
1	M1	PIPE_3.0	.105	4.622	8	.123	3.841		4	52901.431	65205	5.749	5.749	1....	H1-1b
2	M2	PL5/8x8	.153	.375	3	.038	.375	y	18	156780.5...	162000	2.109	27	1....	H1-1b
3	M3	PIPE_3.0	.096	4.622	4	.125	3.841		12	52901.431	65205	5.749	5.749	1....	H1-1b
4	M4	PL5/8x8	.154	.375	11	.036	0	y	2	156780.5...	162000	2.109	27	1....	H1-1b
5	M5	PIPE_3.0	.109	3.776	30	.134	3.841		8	52901.431	65205	5.749	5.749	2....	H1-1b
6	M6	PL5/8x8	.157	.375	7	.035	0	y	10	156780.5...	162000	2.109	27	1....	H1-1b
7	M7	PL1/4x4	.157	0	3	.104	0	y	12	5365.371	32400	.169	2.7	1....	H1-1b
8	M13	L2x2x3	.041	2.917	3	.010	2.917	y	13	15275.526	23392.8	.558	1.152	1....	H2-1
9	M14	L2x2x3	.048	1.428	15	.011	0	z	14	15275.526	23392.8	.558	1.195	1....	H2-1
10	M21	PL1/4x4	.163	0	11	.107	0	y	8	5365.371	32400	.169	2.7	1....	H1-1b
11	M27	L2x2x3	.042	2.917	11	.010	2.917	y	21	15275.526	23392.8	.558	1.152	1....	H2-1
12	M28	L2x2x3	.048	1.428	23	.011	0	z	21	15275.526	23392.8	.558	1.21	1....	H2-1
13	M35	PL1/4x4	.151	0	7	.106	0	y	4	5365.371	32400	.169	2.7	1....	H1-1b
14	M41	L2x2x3	.040	2.917	7	.010	2.917	y	18	15275.526	23392.8	.558	1.152	1....	H2-1
15	M42	L2x2x3	.048	1.428	19	.011	0	z	18	15275.526	23392.8	.558	1.214	1....	H2-1
16	M48	L4X2X6	.213	0	10	.019	0	y	7	53216.203	68343.75	1.291	5.742	1....	H2-1
17	M49	L4X2X6	.224	2.447	14	.022	0	y	19	53216.368	68343.75	1.291	5.742	2....	H2-1
18	M53	L4X2X6	.219	0	6	.019	0	y	3	53216.203	68343.75	1.291	5.742	1....	H2-1
19	M54	L4X2X6	.217	2.447	22	.021	0	y	15	53216.368	68343.75	1.291	5.742	2....	H2-1
20	M59	L4X2X6	.220	0	2	.018	0	y	12	53216.203	68343.75	1.291	5.742	1....	H2-1
21	M60	L4X2X6	.227	2.447	18	.022	0	y	23	53216.368	68343.75	1.291	5.742	2....	H2-1
22	M62	HSS4X4X4	.360	3.625	5	.083	3.625	z	8	132052.4...	139518	16.181	16.181	2....	H1-1b
23	M64	HSS4X4X4	.363	3.625	1	.073	3.625	z	4	132052.4...	139518	16.181	16.181	2....	H1-1b
24	M66	HSS4X4X4	.353	3.625	9	.078	3.625	z	12	132052.4...	139518	16.181	16.181	2....	H1-1b
25	M100	PIPE_2.0	.254	8.203	9	.070	11.719		11	6295.422	32130	1.872	1.872	4....	H1-1b
26	M101	PIPE_2.0	.245	8.203	5	.073	11.719		7	6295.422	32130	1.872	1.872	4....	H1-1b
27	M102	PIPE_2.0	.254	8.203	1	.069	11.719		3	6295.422	32130	1.872	1.872	4....	H1-1b
28	M105	L2.5x2.5x4	.183	.718	2	.036	.718	z	3	37913.416	38556	1.114	2.537	1....	H2-1
29	M108	L2.5x2.5x4	.200	0	7	.037	.718	z	11	37913.416	38556	1.114	2.537	1....	H2-1
30	M111	L2.5x2.5x4	.185	0	3	.036	.718	z	7	37913.416	38556	1.114	2.537	1....	H2-1
31	M134A	L7x4x4	.492	.436	19	.176	.436	z	43	54385.298	87075	3.705	6.519	1	H2-1
32	M135A	PL1/4x4	.267	.378	8	.155	.378	y	7	21137.283	32400	.169	2.7	1....	H1-1b
33	M136	PL1/4x4	.460	0	7	.209	0	y	29	21138.149	32400	.169	2.7	1....	H1-1b
34	M131A	PL1/4x4	.251	.378	3	.154	.378	y	3	21137.283	32400	.169	2.7	1....	H1-1b
35	M132A	PL1/4x4	.443	0	3	.199	0	y	1	21138.149	32400	.169	2.7	1....	H1-1b
36	M135B	PL1/4x4	.253	.378	12	.153	.378	y	11	21137.283	32400	.169	2.7	1....	H1-1b
37	M136A	PL1/4x4	.440	0	11	.199	0	y	9	21138.149	32400	.169	2.7	1....	H1-1b
38	MP1A	PIPE_2.0	.237	4.302	34	.084	.802		7	17855.085	32130	1.872	1.872	2....	H1-1b

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

	Member	Shape	Code C...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
39	M97	PIPE_3.0	.191	1.953	9	.214	2.409		11	52901.431	65205	5.749	5.749	1....	H1-1b
40	M98	PIPE_3.0	.194	2.474	28	.221	2.409		7	52901.431	65205	5.749	5.749	1....	H1-1b
41	M99	PIPE_3.0	.192	1.953	1	.216	2.409		3	52901.431	65205	5.749	5.749	1....	H1-1b
42	M102A	L7x4x4	.622	0	11	.065	0	z	7	54385.298	87075	1.802	6.519	1	H2-1
43	M102B	L7x4x4	.495	.436	8	.127	.436	z	15	54385.298	87075	1.802	6.519	1	H2-1
44	M103B	L7x4x4	.690	0	7	.061	0	z	3	54385.298	87075	1.802	6.519	1	H2-1
45	M105A	L7x4x4	.473	.436	23	.120	.436	z	23	54385.298	87075	3.705	6.519	1	H2-1
46	M106A	L7x4x4	.641	0	3	.061	0	y	1	54385.298	87075	1.802	6.519	1	H2-1
47	MP2A	PIPE_2.5	.337	4.302	1	.069	2.333		5	33961.614	50715	3.596	3.596	2....	H1-1b
48	MP3A	PIPE_2.0	.399	4.302	11	.072	4.302		7	17855.085	32130	1.872	1.872	2....	H1-1b
49	MP4A	PIPE_2.0	.173	4.302	5	.083	4.302		5	17855.085	32130	1.872	1.872	2....	H1-1b
50	MP1C	PIPE_2.0	.153	4.302	18	.080	.802		3	17855.085	32130	1.872	1.872	2....	H1-1b
51	MP2C	PIPE_2.5	.320	4.302	9	.081	4.375		5	33961.614	50715	3.596	3.596	2....	H1-1b
52	MP3C	PIPE_2.0	.452	4.302	7	.073	4.302		1	17855.085	32130	1.872	1.872	2....	H1-1b
53	MP4C	PIPE_2.0	.187	4.302	7	.086	4.302		7	17855.085	32130	1.872	1.872	2....	H1-1b
54	MP1B	PIPE_2.0	.153	4.302	14	.079	.802		11	17855.085	32130	1.872	1.872	1....	H1-1b
55	MP2B	PIPE_2.5	.322	4.302	5	.081	4.375		1	33961.614	50715	3.596	3.596	2....	H1-1b
56	MP3B	PIPE_2.0	.409	4.302	3	.081	4.302		10	17855.085	32130	1.872	1.872	2....	H1-1b
57	MP4B	PIPE_2.0	.183	4.302	9	.084	4.302		3	17855.085	32130	1.872	1.872	2....	H1-1b

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N69	max	2752.252	11	2287.012	18	2491.575	1	.313	12	2.212	8	3.863	17
2		min	-1114.128	5	69.796	12	-1196.014	7	-3.672	18	-2.42	2	-.378	11
3	N73A	max	1635.424	10	2175.726	13	1257.438	1	4.905	13	1.882	4	1.182	3
4		min	-1329.445	4	-65.574	7	-3323.332	7	-.763	7	-2.085	10	-.21	9
5	N77	max	1106.108	10	2234.161	21	1826.862	12	.29	3	2.056	12	.462	3
6		min	-3051.222	4	15.516	3	-1057.06	6	-1.58	9	-2.272	6	-4.942	21
7	Totals:	max	5151.491	10	6057.908	24	5526.287	1						
8		min	-5151.488	4	2194.675	69	-5526.29	7						

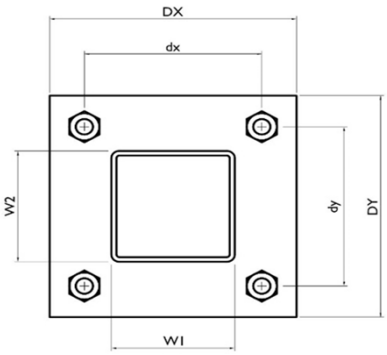
VzW SMART Tool© Vendor

Client:	Verizon Wireless	Date:	8/2/2023
Site Name:	Branford Short Beach CT		
MDG #:	5000381598		
Fuze ID #:	17136797	Page:	1

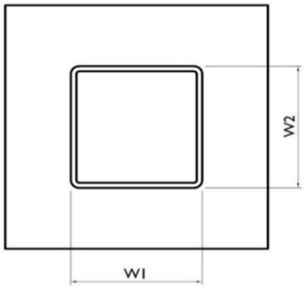
Version 1.01

I. Mount-to-Tower Connection Check

Custom Orientation Required	No
Tower Connection Bolt Checks	Yes
Bolt Orientation	Parallel
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	7
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	7
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength / bolt (kips):	2.0
Required Shear Strength / bolt (kips):	3.7
Tensile Capacity / bolt (kips):	20.7
Shear Capacity / bolt (kips):	12.4
Bolt Overall Utilization:	**30.7%**



Tower Connection Baseplate Checks	Yes
Connecting Standoff Member Shape:	Rect Tube
Weld Stiffener Configuration:	No Stiffeners
Plate Width, D_x (in):	10
Plate Height, D_y (in):	10
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):	0.625
Length of Yield Line, L_y (in):	7.75
Bolt Eccentricity, e (in):	2.35
M_u (kip-in):	12.36
Phi*M_n (kip-in):	24.52
Plate Bending Utilization:	**50.4%**



VzW SMART Tool© Vendor

Client:	Verizon Wireless	Date:	8/2/2023
Site Name:	Branford Short Beach CT		
PSLC #:	5000381598		
Fuze ID #:	17136797	Page:	2

Version 1.01

Tower Connection Weld Checks	Yes
Weld Shape:	Rectangle
Weld Stiffener Configuration:	None
Stiffener Notch Length, n (in):	
Weld Size (1/16 in):	4
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):	2.24
Weld Capacity (kip/in):	5.57
Weld Utilization:	**40.2%**

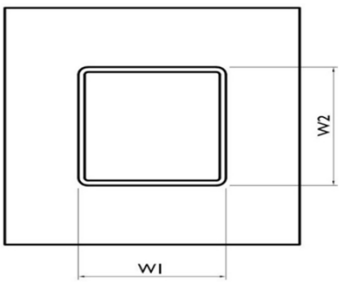


EXHIBIT 5

TOWER ENGINEERING PROFESSIONALS

326 TRYON ROAD
RALEIGH, NC 27607
919.661.6351
WWW.TEPGROUP.NET

Non-Ionizing Electromagnetic Radiation (NIER) Study

Site Number:
283422

Site Name:
Short Beach Branford CT

Location:
Brandford, Connecticut

Tenants:
AT&T Mobility, Dish Wireless, & Verizon Wireless

Prepared For:

American Tower, Inc.
Woburn, Massachusetts

August 29th, 2023

92191 P-405151

Prepared By:

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

Approved By:

TOWER ENGINEERING PROFESSIONALS

326 TRYON ROAD
RALEIGH, NC 27607
919.661.6351
WWW.TEPGROUP.NET

Contents

TOWER ENGINEERING PROFESSIONALS

326 TRYON ROAD
RALEIGH, NC 27607
919.661.6351
WWW.TEPGROUP.NET

Disclaimer Notice

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

Work product documents released prior to account settlement remain the sole property of Tower Engineering Professionals and must be returned on demand. Underlying work notes and data relating to this document remain the property of Tower Engineering Professionals. This document shall not be reproduced in whole or part without the permission of Tower Engineering Professionals. Any dispute hereunder shall be adjudicated in North Carolina. Any use or retention of this document constitutes acceptance of these terms, the entire work product, and all charges associated therewith.

COPYRIGHT © 2023 BY

TOWER ENGINEERING PROFESSIONALS

RALIEGH, NORTH CAROLINA

TOWER ENGINEERING PROFESSIONALS

326 TRYON ROAD
RALEIGH, NC 27607
919.661.6351
WWW.TEPGROUP.NET

Non-Ionizing Electromagnetic Radiation (NIER) Study

283422 Shorth Beach Brandford CT
Brandford, 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 283422 Shorth Beach Brandford CT is located at 171 Shorth Beach Rd., in Brandford, Connecticut at coordinates 41.863487, -72.483298. The support structure is a 119' 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), & 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.

TOWER ENGINEERING PROFESSIONALS

326 TRYON ROAD
RALEIGH, NC 27607
919.661.6351
WWW.TEPGROUP.NET

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 283422 SHORT BEACH BRANFORD CT.RF NIER Study 8/15/23.
- 283422 Application received 8/15/23.
- FCC databases.
- Carrier standard configurations.
- Empirical data collected by TEP.

SITE MITIGATION & CONTROL

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

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

COMPLIANCE DETERMINATION

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

TOWER ENGINEERING PROFESSIONALS

326 TRYON ROAD
RALEIGH, NC 27607
919.661.6351
WWW.TEPGROUP.NET

APPENDIX 1 Site Photos

Aerial View of Site

TOWER ENGINEERING PROFESSIONALS

326 TRYON ROAD
RALEIGH, NC 27607
919.661.6351
WWW.TEPGROUP.NET

Appendix 2.1 Antenna Inventory

283422 Short Beach Branford CT							
Antenna Inventory							
Antenna #	Carrier	Antenna Manufacturer	Antenna Model	Frequency Band (MHz)	Azmiuth (°)	Effective Radiated Power (W)	Radiation Center (ft)
1	AT&T	CCI	TPA65R-BU8A	700/1700/1800	000	56718	120
2	AT&T	CCI	TPA65R-BU8A	700/1700/1800	120	56718	120
3	AT&T	CCI	TPA65R-BU8A	700/1700/1800	240	56718	120
4	AT&T	Ericsson	Air 6419	3700/3800/3900	000	34144	120
5	AT&T	Ericsson	Air 6419	3700/3800/3900	120	34144	120
6	AT&T	Ericsson	Air 6419	3700/3800/3900	240	34144	120
7	AT&T	Scala	80010966	700/800/1800	000	35720	120
8	AT&T	Scala	80010966	700/800/1800	120	35720	120
9	AT&T	Scala	80010966	700/800/1800	240	35720	120
10	AT&T	Ericsson	Air 6449	3700/3800/3900	000	71639	120
11	AT&T	Ericsson	Air 6449	3700/3800/3900	120	71639	120
12	AT&T	Ericsson	Air 6449	3700/3800/3900	240	71639	120
13	AT&T	Andrew	SBNH-1D6565C	700/800/1900/2300	001	39483	118.3
14	AT&T	Andrew	SBNH-1D6565C	700/800/1900/2300	108	39483	118.3
15	AT&T	Andrew	SBNH-1D6565C	700/800/1900/2300	125	39483	118.3
16	AT&T	CCI	HPA65R-BU8A	1700	233	13247	118.2
17	AT&T	CCI	HPA65R-BU8A	1700	240	13247	118.2
18	AT&T	CCI	HPA65R-BU8A	1700	001	13247	118.2

TOWER ENGINEERING PROFESSIONALS

326 TRYON ROAD
RALEIGH, NC 27607
919.661.6351
WWW.TEPGROUP.NET

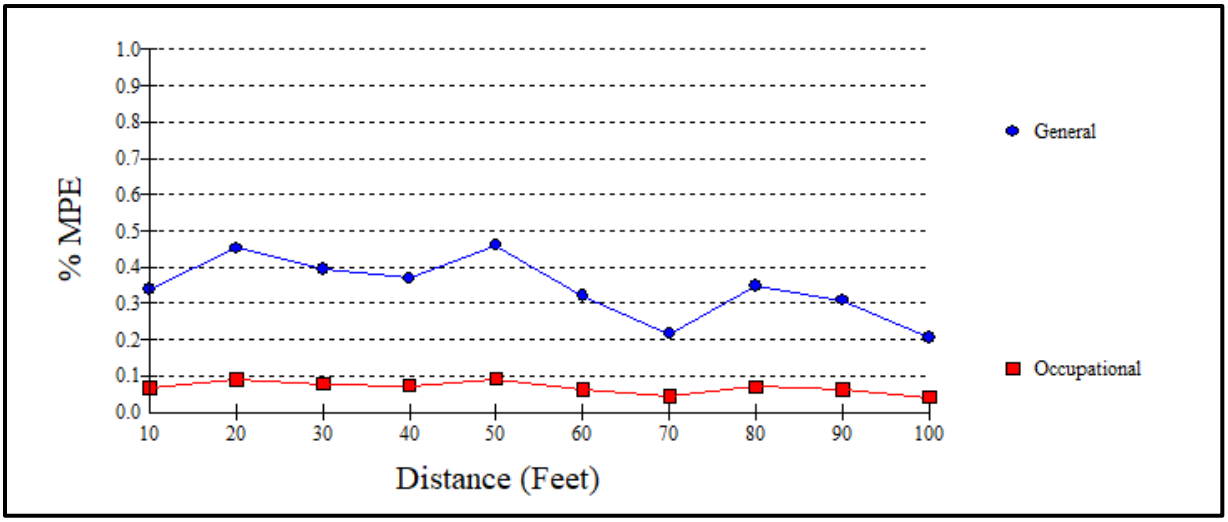
Appendix 2.2 Antenna Inventory

283422 Short Beach Branford CT							
Antenna Inventory							
Antenna #	Carrier	Antenna Manufacturer	Antenna Model	Frequency Band (MHz)	Azmiuth (°)	Effective Radiated Power (W)	Radiation Center (ft)
19	AT&T	CCI	HPA-65R-BUU-H8	700/800/1900/2300	005	48665	118.1
20	AT&T	CCI	HPA-65R-BUU-H8	700/800/1900/2300	124	48665	118.1
21	AT&T	CCI	HPA-65R-BUU-H8	700/800/1900/2300	241	48665	118.1
22	Verizon	Commscope	JAHH-65B-R3B	700/800/1900/2100	040	32168	100
23	Verizon	Commscope	JAHH-65B-R3B	700/800/1900/2100	150	32168	100
24	Verizon	Commscope	JAHH-65B-R3B	700/800/1900/2100	270	32168	100
25	Verizon	Commscope	JAHH-65B-R3B	700/800/1900/2100	040	24400	100
26	Verizon	Commscope	JAHH-65B-R3B	700/800/1900/2100	150	24400	100
27	Verizon	Commscope	JAHH-65B-R3B	700/800/1900/2100	270	24400	100
28	Verizon	Antel	BXA-70063-6CF	800	040	27861	100
29	Verizon	Antel	BXA-70063-6CF	800	150	27861	100
30	Verizon	Antel	BXA-70063-6CF	800	270	27861	100
31	Verizon	Samsung	MT6407	600/1900/2100	040	91430	100
32	Verizon	Samsung	MT6407	600/1900/2100	150	91430	100
33	Verizon	Samsung	MT6407	600/1900/2100	270	91430	100
34	Dish	JMA	MX08FRO665-21	600/1900/2000/2100	000	48332	90
35	Dish	JMA	MX08FRO665-21	600/1900/2000/2100	120	48332	90
36	Dish	JMA	MX08FRO665-21	600/1900/2000/2100	240	48332	90

TOWER ENGINEERING PROFESSIONALS

326 TRYON ROAD
RALEIGH, NC 27607
919.661.6351
WWW.TEPGROUP.NET

Appendix 3.1 MPE Limit Study

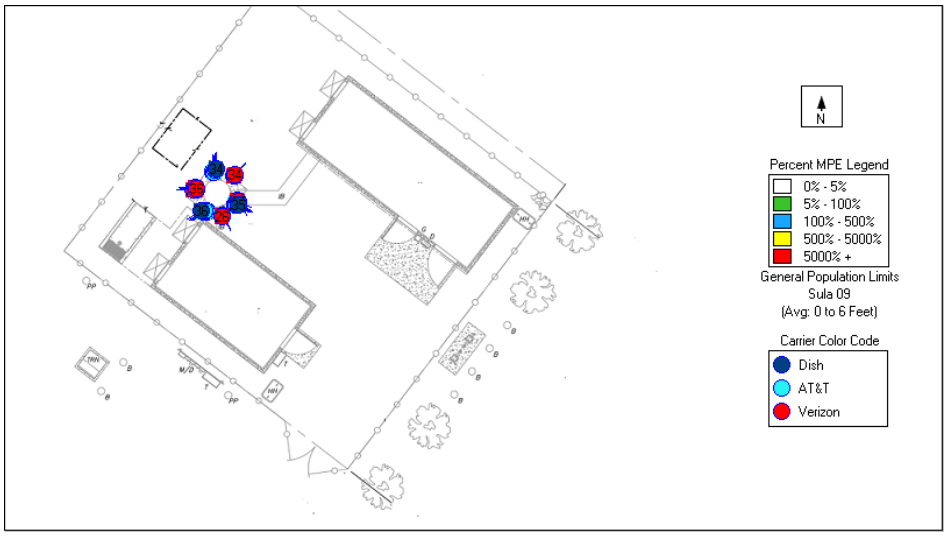


Maximum Power Density (@50'):	0.0029 mW/cm²
General Population MPE (@50'):	0.4601%
Occupational MPE (@50'):	0.0920%

TOWER
ENGINEERING
PROFESSIONALS

326 TRYON ROAD
RALEIGH, NC 27607
919.661.6351
WWW.TEPGROUP.NET

Appendix 3.2 MPE Limit Study



TOWER ENGINEERING PROFESSIONALS

326 TRYON ROAD
RALEIGH, NC 27607
919.661.6351
WWW.TEPGROUP.NET

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.

TOWER ENGINEERING PROFESSIONALS

326 TRYON ROAD
RALEIGH, NC 27607
919.661.6351
WWW.TEPGROUP.NET

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.

TOWER ENGINEERING PROFESSIONALS

326 TRYON ROAD
RALEIGH, NC 27607
919.661.6351
WWW.TEPGROUP.NET

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.

TOWER ENGINEERING PROFESSIONALS

326 TRYON ROAD
RALEIGH, NC 27607
919.661.6351
WWW.TEPGROUP.NET

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

TOWER ENGINEERING PROFESSIONALS

326 TRYON ROAD
RALEIGH, NC 27607
919.661.6351
WWW.TEPGROUP.NET

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.

TOWER ENGINEERING PROFESSIONALS

326 TRYON ROAD
RALEIGH, NC 27607
919.661.6351
WWW.TEPGROUP.NET

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

TOWER ENGINEERING PROFESSIONALS

326 TRYON ROAD
RALEIGH, NC 27607
919.661.6351
WWW.TEPGROUP.NET

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.

TOWER ENGINEERING PROFESSIONALS

326 TRYON ROAD
RALEIGH, NC 27607
919.661.6351
WWW.TEPGROUP.NET

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. 413 - Cellco Partnership d/b/a Verizon Wireless application for a Certificate of Environmental Compatibility and	}	Connecticut
Public Need for the construction, maintenance and operation of a telecommunications facility located at 723 Leetes Island Road,	}	Siting
Branford, Connecticut.	}	Council

July 28, 2011

Decision and Order

Pursuant to the foregoing Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, maintenance, and operation of a telecommunications facility, including effects on the natural environment; ecological integrity and balance; public health and safety; scenic, historic, and recreational values; forests and parks; air and water purity; and fish and wildlife are not disproportionate, either alone or cumulatively with other effects, when compared to need, are not in conflict with the policies of the State concerning such effects, and are not sufficient reason to deny the application, and therefore directs that a Certificate of Environmental Compatibility and Public Need, as provided by General Statutes § 16-50k, be issued to Cellco Partnership d/b/a Verizon Wireless, hereinafter referred to as the Certificate Holder, for a telecommunications facility located at 723 Leetes Island Road, Branford, Connecticut.

Unless otherwise approved by the Council, the facility shall be constructed, operated, and maintained substantially as specified in the Council's record in this matter, and subject to the following conditions:

1. The tower shall be a monopole designed and constructed to look like an old-fashioned railroad water tank. The water tank/tower shall be no taller than necessary to provide the proposed telecommunications services, sufficient to accommodate the antennas of the Certificate Holder and other entities, both public and private, but the top of such water tank/tower shall not exceed a height of 109 feet above ground level.

2. The Certificate Holder shall prepare a Development and Management (D&M) Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be served on the Town of Branford for comment, and all parties and intervenors as listed in the service list, and submitted to and approved by the Council prior to the commencement of facility construction and shall include:
    a) a final site plan(s) of site development to include specifications for the tower, tower foundation, antennas, equipment compound, radio equipment, access road, utility line, and landscaping; and
    b) construction plans for site clearing, grading, landscaping, water drainage, and erosion and sedimentation controls consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as amended.

3. Prior to the commencement of operation, the Certificate Holder shall provide the Council worst-case modeling of the electromagnetic radio frequency power density of all proposed entities' antennas at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin No. 65, August 1997. The Certificate Holder shall ensure a recalculated report of the electromagnetic radio frequency power density be submitted to the Council if and when circumstances in operation cause a change in power density above the levels calculated and provided pursuant to this Decision and Order.

4. Upon the establishment of any new State or federal radio frequency standards applicable to frequencies of this facility, the facility granted herein shall be brought into compliance with such standards.

5. The Certificate Holder shall permit public or private entities to share space on the proposed tower for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.

6. The Certificate Holder shall provide reasonable space on the tower for no compensation for any Town of Branford public safety services (police, fire and medical services), provided such use can be accommodated and is compatible with the structural integrity of the tower.

7. Unless otherwise approved by the Council, if the facility authorized herein is not fully constructed with at least one fully operational wireless telecommunications carrier providing wireless service within eighteen months from the date of the mailing of the Council's Findings of Fact, Opinion, and Decision and Order (collectively called "Final Decision"), this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made. The time between the filing and resolution of any appeals of the Council's Final Decision shall not be counted in calculating this deadline. Authority to monitor and modify this schedule, as necessary, is delegated to the Executive Director. The Certificate Holder shall provide written notice to the Executive Director of any schedule changes as soon as is practicable.

8. Any request for extension of the time period referred to in Condition 7 shall be filed with the Council not later than 60 days prior to the expiration date of this Certificate and shall be served on all parties and intervenors, as listed in the service list, and the Town of Branford. Any proposed modifications to this Decision and Order shall likewise be so served.

9. If the facility ceases to provide wireless services for a period of one year, this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made.

10. Any nonfunctioning antenna, and associated antenna mounting equipment, on this facility shall be removed within 60 days of the date the antenna ceased to function.

11. In accordance with Section 16-50j-77 of the Regulations of Connecticut State Agencies, the Certificate Holder shall provide the Council with written notice two weeks prior to the commencement of site construction activities. In addition, the Certificate Holder shall provide the Council with written notice of the completion of site construction, and the commencement of site operation.

12. The Certificate Holder shall remit timely payments associated with annual assessments and invoices submitted by the Council for expenses attributable to the facility under Conn. Gen. Stat. §16-50v.

13. This Certificate may be transferred in accordance with Conn. Gen. Stat. §16-50k(b), provided both the Certificate Holder/transferor and the transferee are current with payments to the Council for their respective annual assessments and invoices under Conn. Gen. Stat. §16-50v. In addition, both the Certificate Holder/transferor and the transferee shall provide the Council a written agreement as to the entity responsible for any quarterly assessment charges under Conn. Gen. Stat. §16-50v(b)(2) that may be associated with this facility.

14. The Certificate Holder shall maintain the facility and associated equipment in a reasonable physical and operational condition, including but not limited to, the tower, tower foundation, antennas, equipment compound, radio equipment, access road, utility line and landscaping, that is consistent with this Decision and Order and a Development and Management Plan to be approved by the Council.

Pursuant to General Statutes § 16-50p, the Council hereby directs that a copy of the Findings of Fact, Opinion, and Decision and Order be served on each person listed below, and notice of issuance shall be published in the New Haven Register.

By this Decision and Order, the Council disposes of the legal rights, duties, and privileges of each party named or admitted to the proceeding in accordance with Section 16-50j-17 of the Regulations of Connecticut State Agencies.

The parties and intervenors to this proceeding are:

Applicant	**Its Representative**
Cellco Partnership d/b/a Verizon Wireless	Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103-3597
Intervenor	**Its Representatives**
T-Mobile Northeast, LLC	Julie D. Kohler, Esq. Jesse A. Langer, Esq. Cohen and Wolf, P.C. 1115 Broad Street Bridgeport, CT 06604

Intervenor	**Its Representatives**
New Cingular Wireless PCS, LLC (AT&T)	Christopher B. Fisher, Esq. Lucia Chiocchio, Esq. Cuddy & Feder LLP 445 Hamilton Avenue, 14th floor White Plains, NY 10601
Intervenor	**Its Representative**
Town of Branford	Keith R. Ainsworth, Esq. Evans Feldman & Ainsworth, L.L.C. #101240 261 Bradley Street P.O. Box 1694 New Haven, CT 06507-1694

EXHIBIT 7

From: UPS
To: Barbara Kassabian
Subject: UPS Delivery Notification, Tracking Number 1Z9Y45030308130939
Date: Tuesday, September 19, 2023 9:50:15 AM

Hello, your package has been delivered.

Delivery Date: Tuesday, 09/19/2023
Delivery Time: 9:49 AM
Signed by: LONG

CENTERLINE SITE ACQUISITION

Tracking Number:	1Z9Y45030308130939
Ship To:	AMERICAN TOWER 10 PRESIDENTIAL WAY WOBURN, MA 018011053 US
Number of Packages:	1
UPS Service:	UPS Ground
Package Weight:	1.0 LBS
Reference Number:	14523187

Discover more about UPS:

Visit www.ups.com

Sign Up For Additional E-Mail From UPS

Read Compass Online

© 2023 United Parcel Service of America, Inc. UPS, the UPS brandmark, and the color brown are trademarks of United Parcel Service of America, Inc. All rights reserved.

All trademarks, trade names, or service marks that appear in connection with UPS's services are the property of their respective owners.

Please do not reply directly to this email. UPS will not receive any reply message.

Review the UPS Privacy Notice

For Questions, Visit Our Help and Support Center

Links contained in this email have been replaced. If you click on a link in the email above, the link will be analyzed for known threats. If a known threat is found, you will not be able to proceed to the destination. If suspicious content is detected, you will see a warning.

From: UPS
To: Barbara Kassabian
Subject: UPS Delivery Notification, Tracking Number 1Z9Y45030319343920
Date: Tuesday, September 19, 2023 12:30:10 PM

Hello, your package has been delivered.

Delivery Date: Tuesday, 09/19/2023
Delivery Time: 12:28 PM
Signed by: KRANSOW

CENTERLINE SITE ACQUISITION

Tracking Number:	1Z9Y45030319343920
Ship To:	171 SHORT BEACH ROAD REALTY LLC 171 SHORT BEACH ROAD BRANFORD, CT 064054930 US
Number of Packages:	1
UPS Service:	UPS Ground
Package Weight:	1.0 LBS
Reference Number:	14523187

Discover more about UPS:

Visit www.ups.com

Sign Up For Additional E-Mail From UPS

Read Compass Online

© 2023 United Parcel Service of America, Inc. UPS, the UPS brandmark, and the color brown are trademarks of United Parcel Service of America, Inc. All rights reserved.

All trademarks, trade names, or service marks that appear in connection with UPS's services are the property of their respective owners.

Please do not reply directly to this email. UPS will not receive any reply message.

Review the UPS Privacy Notice

For Questions, Visit Our Help and Support Center

Links contained in this email have been replaced. If you click on a link in the email above, the link will be analyzed for known threats. If a known threat is found, you will not be able to proceed to the destination. If suspicious content is detected, you will see a warning.

From: UPS
To: Barbara Kassabian
Subject: UPS Delivery Notification, Tracking Number 1Z9Y45030307558917
Date: Tuesday, September 19, 2023 9:54:19 AM

Hello, your package has been delivered.

Delivery Date: Tuesday, 09/19/2023
Delivery Time: 9:53 AM
Signed by: MILICI

CENTERLINE SITE ACQUISITION

Tracking Number:	1Z9Y45030307558917
Ship To:	TOWN PLANNER 1019 MAIN ST BRANFORD, CT 064053731 US
Number of Packages:	1
UPS Service:	UPS Ground
Package Weight:	1.0 LBS
Reference Number:	14523187

Discover more about UPS:

Visit www.ups.com

Sign Up For Additional E-Mail From UPS

Read Compass Online

© 2023 United Parcel Service of America, Inc. UPS, the UPS brandmark, and the color brown are trademarks of United Parcel Service of America, Inc. All rights reserved.

All trademarks, trade names, or service marks that appear in connection with UPS's services are the property of their respective owners.

Please do not reply directly to this email. UPS will not receive any reply message.

Review the UPS Privacy Notice

For Questions, Visit Our Help and Support Center

Links contained in this email have been replaced. If you click on a link in the email above, the link will be analyzed for known threats. If a known threat is found, you will not be able to proceed to the destination. If suspicious content is detected, you will see a warning.