Robinson+Cole

KENNETH C. BALDWIN

280 Trumbull Street
Hartford, CT 06103-3597
Main (860) 275-8200
Fax (860) 275-8299
kbaldwin@rc.com
Direct (860) 275-8345

Also admitted in Massachusetts
and New York

February 1, 2022

Via Electronic Mail

Melanie A. Bachman, Esq.
Executive Director/Staff Attorney
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: **Notice of Exempt Modification – Facility Modification**
150 Willow Street, Hamden, Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains an existing wireless telecommunications facility at the above-referenced property address (the "Property"). The facility consists of antennas and remote radio heads attached to the existing tower and associated equipment on the ground adjacent to the tower. The tower was approved by the Siting Council ("Council") in May of 2007 (Docket No. 324). Cellco's use of the tower was approved by the Council in March of 2008 (EM-VER-062-080213). A copy of the Council's Docket No. 324 Decision and Order and the EM-VER-062-080213 approval are included in Attachment 1.

Cellco now intends to modify its facility by installing three (3) new Samsung MT6407-77A antennas on its existing antenna platform. A set of project plans showing Cellco's proposed facility modifications and specifications for Cellco's new antennas are included in Attachment 2.

Please accept this letter as notification pursuant to R.C.S.A. § 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 the Town '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).

1. The proposed modifications will not result in an increase in the height of the existing tower. The proposed replacement antennas will be installed on Cellco's existing antenna platform.

2. The proposed modifications will not involve any change to ground-mounted equipment and, therefore, 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 installation of Cellco's new antennas will not increase radio frequency (RF) emissions at the facility to a level at or above the Federal Communications Commission (FCC) safety standard. A cumulative General Power Density table for Cellco's modified facility is included in Attachment 3. The modified facility will be capable of providing Cellco's 5G wireless service.

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

6. According to the attached Structural Analysis ("SA") and Mount Analysis ("MA"), the existing tower, tower foundation, antenna mounts and antenna platform can support Cellco's proposed modifications. No modification to Cellco's existing antenna mounts or platform is required. The attached SA therefore does not reference the MA provided. Copies of the SA and MA are included in Attachment 4.

A copy of the parcel map and Property owner information is included in Attachment 5. A Certificate of Mailing verifying that this filing was sent to municipal officials and the property owner is included in Attachment 6.

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

Sincerely,

Kenneth C. Baldwin

Enclosures
Copy to:
Lauren Garrett, Hamden Mayor
Erik Johnson, Acting Town Planner
Hamden Fish & Game Protective Association
Alex Tyurin, Verizon Wireless

ATTACHMENT 1

DOCKET NO. 324 – Sprint Nextel Corporation application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a wireless telecommunications facility at 150 Willow Street, Hamden, Connecticut.	}	Connecticut
	}	Siting
	}	Council
		May 1, 2007

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, operation, and maintenance 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 Sprint Nextel Corporation, hereinafter referred to as the Certificate Holder, for a telecommunications facility at 150 Willow Street, Hamden, Connecticut.

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 constructed as a monopole, no taller than necessary to provide the proposed telecommunications services, sufficient to accommodate the antennas of Sprint Nextel Corporation and other entities, both public and private, but such tower shall not exceed a height of 160 feet above ground level. The height at the top of the antennas shall not exceed 160 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 Hamden 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, water drainage, and erosion and sedimentation control consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as amended.

3. The Certificate Holder shall, prior to the commencement of operation, provide the Council worst-case modeling of 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 electromagnetic radio frequency power density is 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 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. The Certificate Holder shall engineer a break point on the monopole to ensure that the tower setback radius remains outside of The Connecticut Light and Power Company easement.

8. The Certificate Holder shall comply with the Connecticut Department of Public Health's Best Management Practices to the extent applicable, to protect the drinking water supply.

9. Unless otherwise approved by the Council, if the facility authorized herein is not fully constructed and providing wireless services 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.

10. Any request for extension of the time period referred to in Condition 9 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 Hamden. Any proposed modifications to this Decision and Order shall likewise be so served.

11. 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.

12. The Certificate Holder shall remove any nonfunctioning antenna, and associated antenna mounting equipment, within 60 days of the date the antenna ceased to function.

13. 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.

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
Sprint Nextel Corporation	Thomas J. Regan, Esq. Brown Rudnick Berlack Israels LLP CityPlace I, 38th Floor 185 Asylum Street Hartford, CT 06103-3402 Phone: 860-509-6522 Fax: 860-509-6501 Email: tregan@brownrudnick.com

CERTIFICATION

The undersigned members of the Connecticut Siting Council (Council) hereby certify that they have heard this case, or read the record thereof, in **DOCKET NO. 324** – Sprint Nextel Corporation application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a wireless telecommunications facility at 150 Willow Street, Hamden, Connecticut, and voted as follows to approve the proposed site, located at 150 Willow Street, Hamden, Connecticut:

Council Members	Vote Cast
Daniel F. Caruso, Chairman	Yes
Colin C. Tait, Vice Chairman	Yes
Commissioner Donald W. Downes Designee: Gerald J. Heffernan	Yes
Commissioner Gina McCarthy Designee: Brian J. Emerick	Yes
Philip T. Ashton	Abstain
Daniel P. Lynch, Jr.	Yes
James J. Murphy, Jr.	Yes
Dr. Barbara Currier Bell	Yes
Edward S. Wilensky	Yes

Dated at New Britain, Connecticut, May 1, 2007.

March 26, 2008

Kenneth C. Baldwin, Esq.
Robinson & Cole LLP
280 Trumbull Street
Hartford, CT 06103-3597

RE: **EM-VER-062-080213** – Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an approved telecommunications facility located at 150 Willow Street, Hamden, Connecticut.

Dear Attorney Baldwin:

The Connecticut Siting Council (Council) hereby acknowledges your notice to modify this telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated February 13, 2008, including the placement of all necessary equipment and shelters within the tower compound. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to a facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

This decision is under the exclusive jurisdiction of the Council. Please be advised that the validity of this action shall expire one year from the date of this letter. Any additional change to this facility will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Any deviation from this format may result in the Council implementing enforcement proceedings pursuant to General Statutes § 16-50u including, without limitation, imposition of expenses resulting from such failure and of civil penalties in an amount not less than one thousand dollars per day for each day of construction or operation in material violation.

Thank you for your attention and cooperation.

Very truly yours,

S. Derek Phelps
Executive Director

SDP/MP

c: Honorable Craig B. Henrici, Mayor, Town of Hamden
Leslie Creane, Town Planner, Town of Hamden
Thomas J. Regan, Esq., Brown Rudnick Berlack Israels LLP

ATTACHMENT 2

WIRELESS COMMUNICATIONS FACILITY

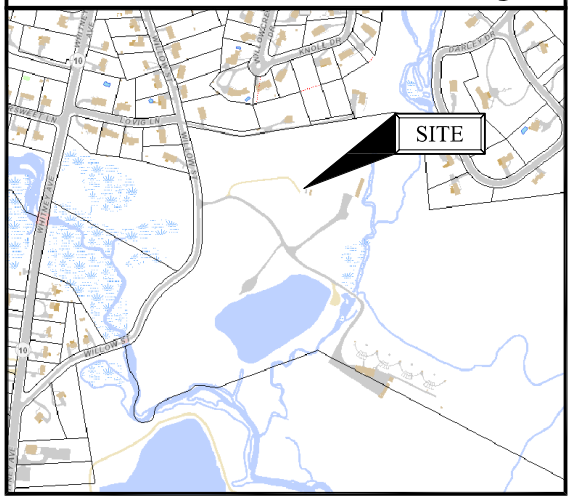
SITE NAME:
HAMDEN NORTH 2 CT

SPRINT SITES USA #CT54XC773
150 WILLOW ST.
HAMDEN, CT 06518

ANTENNA MODIFICATION

PROJECT SUMMARY	
SITE NAME:	HAMDEN NORTH 2 CT
SITE ADDRESS:	150 WILLOW ST. HAMDEN, CT 06518
PROPERTY OWNER:	HAMDEN FISH & GAME PROTECTIVE P.O. BOX 5619 HAMDEN, CT 06518
TOWER OWNER/MGMT:	SPRINT
PARCEL ID:	3430-001-00-0000
COORDINATES:	41° 26' 57.8112" N 72° 54' 16.4592" W
VERIZON CONSTRUCTION:	WALTER CHARCZYNSKI (860) 306-1806
VERIZON REAL ESTATE:	ALEX TYURIN (860) 550-3195

AERIAL MAP



SHEET INDEX	
DE-1	TITLE SHEET
DE-2	COMPOUND PLAN & ELEVATION
DE-3	ANTENNA PLANS & ELEVATION
DE-4	RF PLUMBING DIAGRAM & B.O.M.
DE-5	GENERAL CONSTRUCTION NOTES

verizon
WIRELESS COMMUNICATIONS FACILITY

20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

On Air Engineering, LLC
88 Foundry Pond Road
Cold Spring, NY 10516
201-456-4624
onair@optonline.net

LICENSURE

STATE OF CONNECTICUT
DAVID A. WEINPAHL
NO. 22144
LICENSED PROFESSIONAL ENGINEER

DAVID WEINPAHL, P.E.
CT LIC NO. 22144

SUBMITTALS

NO	DATE	DESCRIPTION
1	10.27.21	REVIEW
1	12.29.21	PERMITTING/CONSTRUCTION

DRAWN BY:	MF
CHECKED BY:	DW

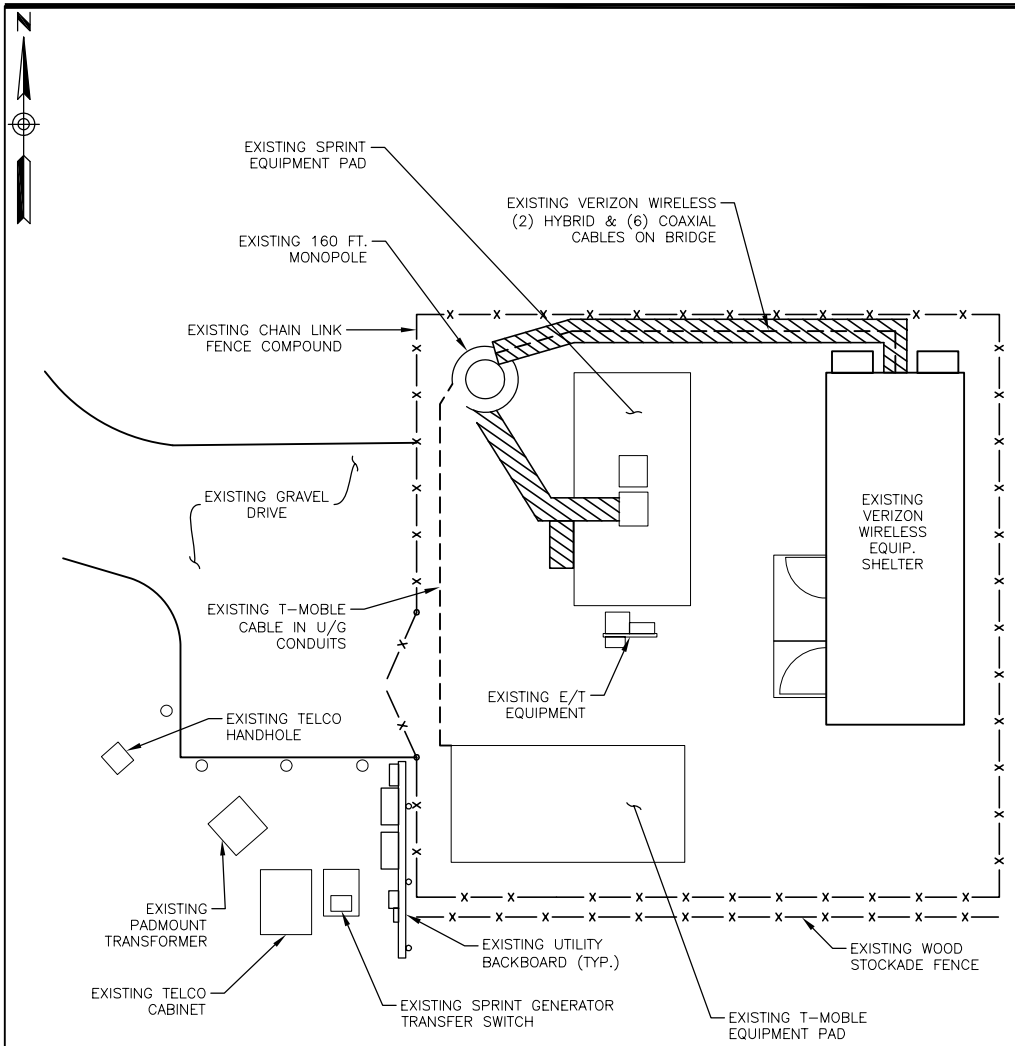
PROJECT NAME:
ANTMO
MT6407
DESIGN EXHIBITS

SITE NAME:
HAMDEN NORTH 2 CT

SITE ADDRESS:
SPRINT SITES USA #CT54XC773
150 WILLOW ST.
HAMDEN, CT 06518

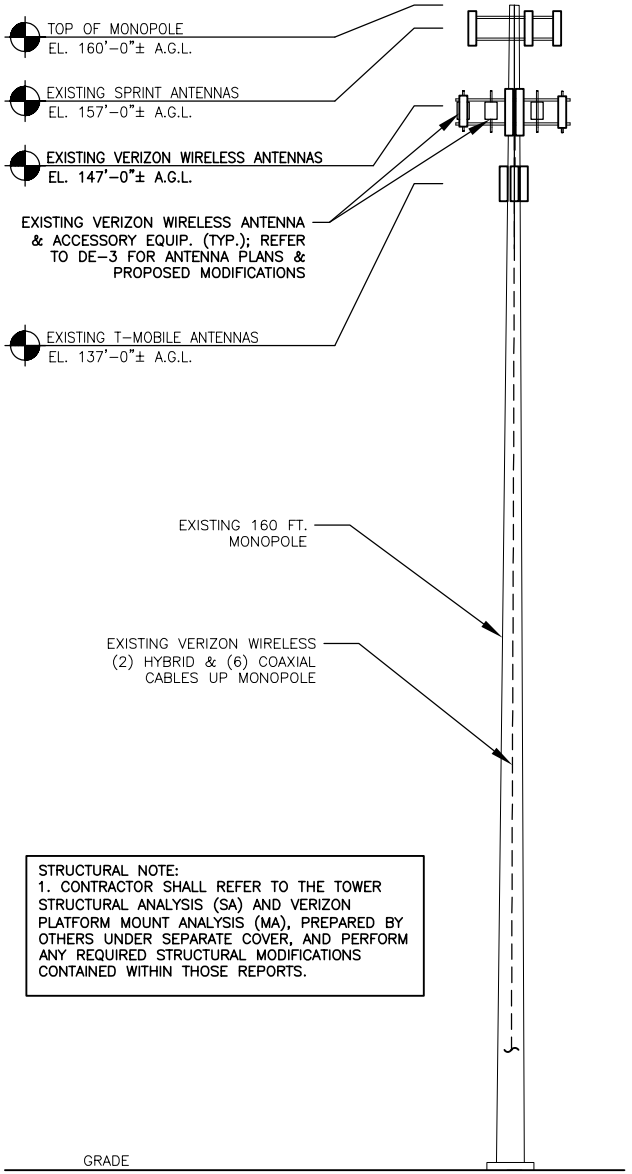
SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
DE-1



1 DE-2 **COMPOUND PLAN**
Scale: 3/32" = 1'-0"

NOTES:
1. SITE LAYOUT IS COMPILED FROM EXISTING DRAWINGS ON FILE WITH THE CT SITING COUNCIL AND A LIMITED DESIGN VISIT ON 07-01-21 FOR A PROPOSED VERIZON ANTENNA MODIFICATION.
2. PLANS ARE DIAGRAMMATIC ONLY AND NOT TO BE SCALED.
3. REFER TO STRUCTURAL TOWER AND MOUNT ANALYSIS REPORTS, BY OTHERS UNDER SEPARATE COVER, FOR ANY REQUIRED TOWER & MOUNT REINFORCEMENTS, WHICH MUST BE PERFORMED PRIOR TO ANY OTHER VERIZON ANTENNA MODIFICATIONS.



STRUCTURAL NOTE:
1. CONTRACTOR SHALL REFER TO THE TOWER STRUCTURAL ANALYSIS (SA) AND VERIZON PLATFORM MOUNT ANALYSIS (MA), PREPARED BY OTHERS UNDER SEPARATE COVER, AND PERFORM ANY REQUIRED STRUCTURAL MODIFICATIONS CONTAINED WITHIN THOSE REPORTS.

2 DE-2 **ELEVATION**
Scale: NTS

verizon
WIRELESS COMMUNICATIONS FACILITY
20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

On Air Engineering, LLC
88 Foundry Pond Road
Cold Spring, NY 10516
201-456-4624
onair@optonline.net

LICENSURE

STATE OF CONNECTICUT · DAVID A. WEINPAHL · NO. 22144 · LICENSED PROFESSIONAL ENGINEER

DAVID WEINPAHL, P.E.
CT LIC NO. 22144

SUBMITTALS		
1	10.27.21	REVIEW
1	12.29.21	PERMITTING/CONSTRUCTION
NO	DATE	DESCRIPTION

DRAWN BY:	MF
CHECKED BY:	DW

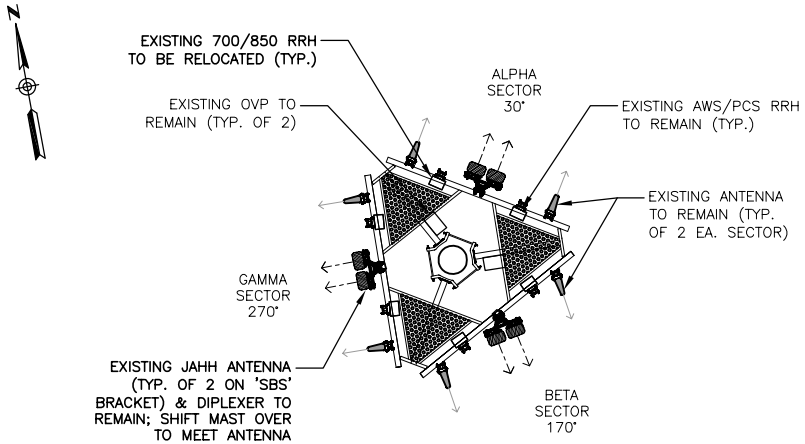
PROJECT NAME:
ANTMO
MT6407
DESIGN EXHIBITS

SITE NAME:
HAMDEN NORTH 2 CT

SITE ADDRESS:
SPRINT SITES USA #CT54XC773
150 WILLOW ST.
HAMDEN, CT 06518

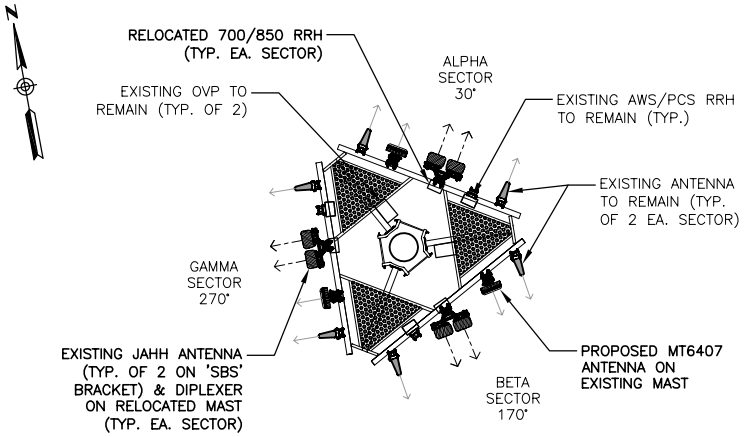
SHEET TITLE:
COMPOUND PLAN
& ELEVATION

SHEET NUMBER:
DE-2



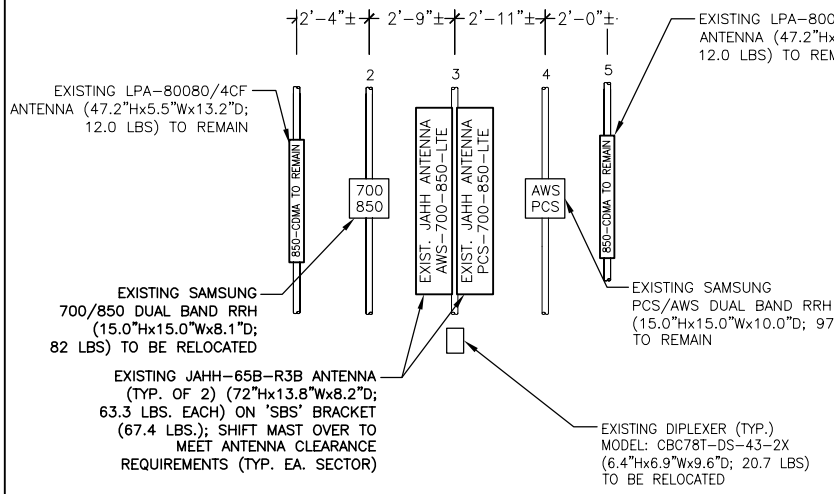
1 DE-3 ANTENNA PLAN @ 147 FT. - EXISTING

Scale: 1/8" = 1'-0"



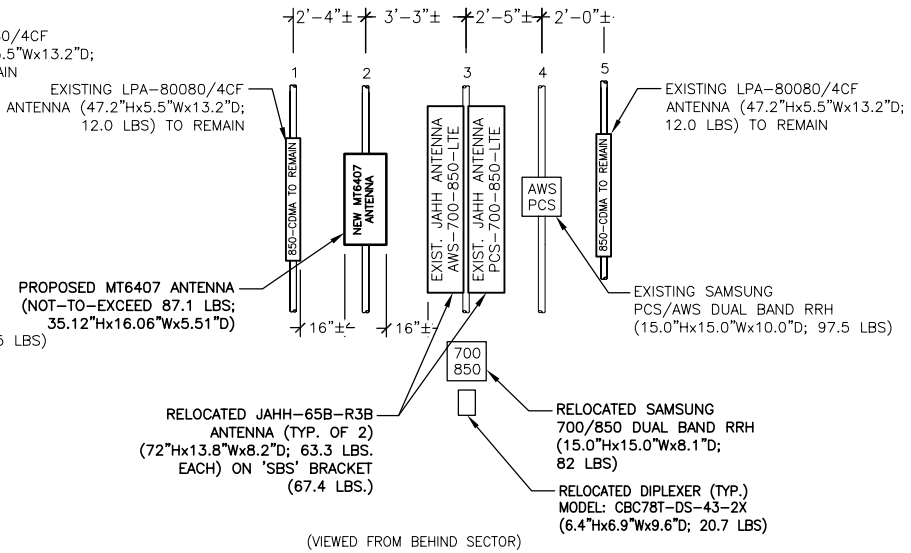
2 DE-3 ANTENNA PLAN @ 147 FT. - PROPOSED

Scale: 1/8" = 1'-0"



3 DE-3 ANTENNA ELEVATION (TYP.) - EXISITNG

Scale: 1/4" = 1'-0"



4 DE-3 ANTENNA ELEVATION (TYP.) - PROPOSED

Scale: 1/4" = 1'-0"

verizon
WIRELESS COMMUNICATIONS FACILITY
20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

On Air Engineering, LLC
88 Foundry Pond Road
Cold Spring, NY 10516
201-456-4624
onair@optonline.net

LICENSURE

STATE OF CONNECTICUT
DAVID A. WEINPAHL
NO. 22144
LICENSED PROFESSIONAL ENGINEER

DAVID WEINPAHL, P.E.
CT LIC NO. 22144

SUBMITTALS

NO	DATE	DESCRIPTION
1	10.27.21	REVIEW
1	12.29.21	PERMITTING/CONSTRUCTION

DRAWN BY:	MF
CHECKED BY:	DW

PROJECT NAME:
ANTMO
MT6407
DESIGN EXHIBITS

SITE NAME:
HAMDEN NORTH 2 CT

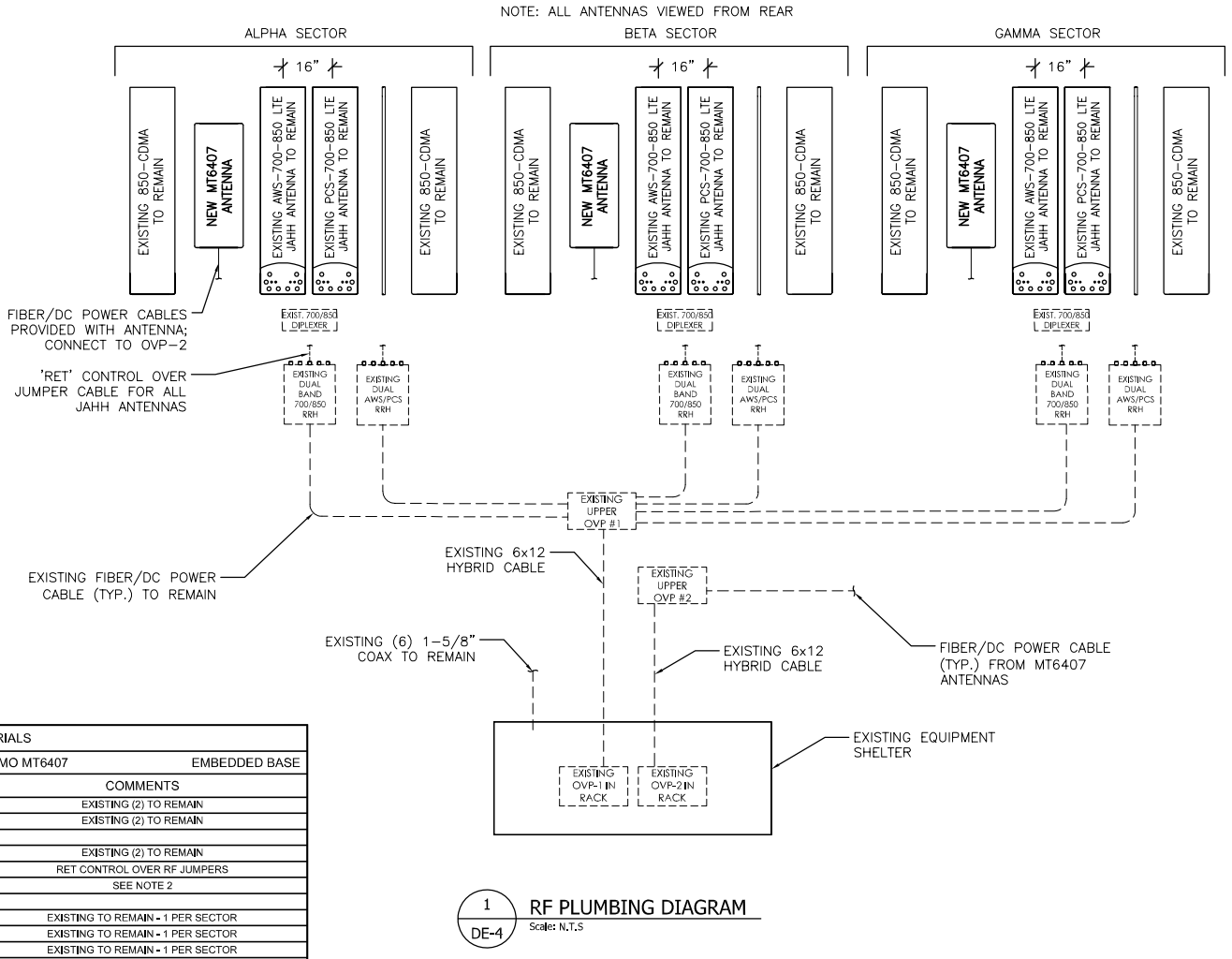
SITE ADDRESS:
SPRINT SITES USA #CT54XC773
150 WILLOW ST.
HAMDEN, CT 06518

SHEET TITLE:
ANTENNA PLANS & ELEVATION

SHEET NUMBER:
DE-3

GENERAL NOTES:

1. CONTRACTOR SHALL REFER TO THE LATEST VERIZON WIRELESS RFDS WHICH MAY INCLUDE ANTENNA SECTOR AZIMUTHS/ANTENNA CHANGES, ETC. THAT ARE REQUIRED AS PART OF THE PROJECT.
2. CONTRACTOR SHALL SECURE ALL CONTROL CABLES IN ACCORDANCE WITH INDUSTRY STANDARDS AND MANUFACTURERS INSTRUCTIONS. EXTERIOR CABLES MAY BE TAPED OR TIE-WRAPPED TO EXISTING SUPPORTS EVERY 4 FT. MAX. FOR HORIZONTAL RUNS. CONTRACTOR MAY USE HOISTING GRIPS AT TOP OF VERTICAL CABLE RUNS WHEN REQUIRED.
3. ALL CABLES SHALL BE ROUTED AND SECURED ON STRUCTURAL MEMBERS ONLY - DO NOT "LOOP" THE CABLES IN MID-AIR BETWEEN ANTENNAS
4. REFER TO RFDS FOR DETAILED PLUMBING DIAGRAM SHOWING ALL JUMPER AND OTHER CABLING CONNECTIONS AT ANTENNAS, RRH's, DIPLEXERS OR OTHER DEVICES.



1 / DE-4 RF PLUMBING DIAGRAM
Scale: N.T.S

BILL OF MATERIALS			
SITE NAME: HAMDEN NORTH 2 CT	ANTMO MT6407		EMBEDDED BASE
DESCRIPTION	QTY	LENGTH	COMMENTS
6-CKT. LOWER OVP	-	-	EXISTING (2) TO REMAIN
6-CKT. UPPER OVP	-	-	EXISTING (2) TO REMAIN
6x12 HYBRID CABLE	-	-	EXISTING (2) TO REMAIN
RET CONTROL CABLE	-	-	RET CONTROL OVER RF JUMPERS
1/2" JUMPERS	-	-	SEE NOTE 2
AWS/PCS DUAL BAND RRH	-	-	EXISTING TO REMAIN - 1 PER SECTOR
700/850 DUAL BAND RRH	-	-	EXISTING TO REMAIN - 1 PER SECTOR
700/850 DIPLEXER	-	-	EXISTING TO REMAIN - 1 PER SECTOR
MT6407 ANTENNA	3	-	SAMSUNG INTEGRATED - REFER TO RFDS
JAHH ANTENNA AWS-700-850-LTE	-	-	EXISTING TO REMAIN - 1 PER SECTOR
JAHH ANTENNA PCS-700-850-LTE	-	-	EXISTING TO REMAIN - 1 PER SECTOR
SBS MOUNTING BRACKET	-	-	EXISTING TO REMAIN - 1 PER SECTOR
850-CDMA ANTENNA	-	-	EXISTING (6) TO REMAIN - 1 PER SECTOR

NOTES:
1. ITEMS SHOWN ARE FOR MAJOR DESIGN ELEMENTS ONLY. REFER TO VERIZON WIRELESS RFDS FOR ALL MANUFACTURER PART NUMBERS AND ACCESSORY ITEMS REQUIRED FOR A COMPLETE INSTALLATION.
2. CONTRACTOR SHALL DETERMINE AND PROVIDE ALL REQUIRED PRE-FAB JUMPER QUANTITIES AND LENGTHS, KEEPING ALL LENGTHS TO A MINIMUM.

verizon
WIRELESS COMMUNICATIONS FACILITY

20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

On Air Engineering, LLC
88 Foundry Pond Road
Cold Spring, NY 10516
201-456-4624
onair@optonline.net

LICENSURE

STATE OF CONNECTICUT
DAVID A. WEINPAHL
NO. 22144
LICENSED PROFESSIONAL ENGINEER

DAVID WEINPAHL, P.E.
CT LIC NO. 22144

SUBMITTALS		
1	10.27.21	REVIEW
1	12.29.21	PERMITTING/CONSTRUCTION
NO	DATE	DESCRIPTION

DRAWN BY:	MF
CHECKED BY:	DW

PROJECT NAME:
ANTMO
MT6407
DESIGN EXHIBITS

SITE NAME:
HAMDEN NORTH 2 CT

SITE ADDRESS:
SPRINT SITES USA #CT54XC773
150 WILLOW ST.
HAMDEN, CT 06518

SHEET TITLE:
RF PLUMBING DIAGRAM & B.O.M.

SHEET NUMBER:
DE-4

GENERAL CONSTRUCTION NOTES:

1. CONTRACTOR SHALL NOT COMMENCE ANY WORK UNTIL HE OBTAINS, AT HIS OWN EXPENSE, ALL INSURANCE REQUIRED BY *CELLCO PARTNERSHIP d/b/a VERIZON, THE PRO*PERTY OWNER AND/OR PROPERTY MANAGEMENT COMPANY.

2. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS AND ALL LOCAL LAWS AND REGULATIONS, CURRENT EDITIONS.

3. CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK AND MAKE PROVISIONS AS TO THE COST THEREOF. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

4. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, ELEVATIONS, ANGLES AND EXISTING CONDITIONS AT THE SITE PRIOR TO FABRICATION AND/OR INSTALLATION OF ANY WORK IN THE CONTRACT AREA AND SUBMIT TO THE ENGINEER ANY DISCREPANCIES FROM THE DRAWINGS.

5. CONTRACTOR IS TO REVIEW ALL DRAWINGS AND SPECIFICATIONS IN THE CONTRACT DOCUMENT SET. CONTRACTOR SHALL COORDINATE ALL WORK SHOWN IN THE SET OF DRAWINGS. CONTRACTOR SHALL PROVIDE A COMPLETE SET OF DRAWINGS TO ALL SUB-CONTRACTORS AND ALL RELATED PARTIES. THE SUB-CONTRACTORS SHALL EXAMINE ALL THE DRAWINGS AND SPECIFICATIONS FOR THE INFORMATION THAT AFFECTS THEIR WORK.

6. CONTRACTOR SHALL PROVIDE A COMPLETE BUILD-OUT WITH ALL FINISHES, STRUCTURAL, MECHANICAL AND ELECTRICAL COMPONENTS AND PROVIDE ALL ITEMS AS SHOWN OR INDICATED ON DRAWINGS OR WRITTEN IN SPECIFICATIONS.

7. CONTRACTOR SHALL FURNISH ALL MATERIAL, LABOR AND EQUIPMENT TO COMPLETE THE WORK AND FURNISH A COMPLETED JOB IN ACCORDANCE WITH LOCAL AND STATE GOVERNING AUTHORITIES AND OTHER AUTHORITIES HAVING LAWFUL JURISDICTION OVER THE WORK.

8. CONTRACTOR SHALL OBTAIN AT HIS OWN EXPENSE ALL PERMITS AND ALL INSPECTIONS REQUIRED FROM FEDERAL AND STATE GOVERNMENTS, COUNTIES, MUNICIPALITIES AND OTHER REGULATORY AGENCIES WHICH MAY BE REQUIRED FOR THE PROJECT.

10. DETAILS ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.

11. ALL MATERIAL PROVIDED BY *CELLCO PARTNERSHIP d/b/a VERIZON IS TO BE* REVIEWED BY CONTRACTOR AND ALL APPLICABLE SUB-CONTRACTOR PRIOR TO INSTALLATION. ANY DEFICIENCIES TO PROVIDED MATERIALS SHALL BE BROUGHT TO THE CONSTRUCTION MANAGERS ATTENTION IMMEDIATELY.

12. THE MATERIALS INSTALLED IN THE WORK SHALL MEET THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. NO SUBSTITUTIONS ARE ALLOWED.

13. CONTRACTOR IS SOLELY RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION, FOR SEQUENCES AND PROCEDURES TO BE USED, AND TO ENSURE THE SAFETY OF THE EXISTING BUILDING AND ITS COMPONENT DURING CONSTRUCTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, BRACING, UNDERPINNING, ETC. THAT MAY BE NECESSARY.

14. CONTRACTOR SHALL COORDINATE ALL CIVIL, STRUCTURAL AND ELECTRICAL DRAWINGS FOR THE LOCATION OF ALL OPENINGS, RECESSES, BUILT-IN WORK, ETC.

15. CONTRACTOR SHALL RECEIVE CLARIFICATION IN WRITING AND SHALL RECEIVE IN WRITING AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEMS NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.

16. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ALL PRODUCTS OR ITEMS NOTED AS "EXISTING" WHICH ARE NOT FOUND TO BE IN THE FIELD.

17. ERECTION SHALL BE DONE IN A WORKMANLIKE MANNER BY COMPETENT EXPERIENCED WORKMEN IN ACCORDANCE WITH APPLICABLE CODES AND THE BEST-ACCEPTED PRACTICE. ALL MEMBERS SHALL BE LAID PLUMB AND TRUE AS INDICATED ON THE DRAWINGS.

18. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE WORK AREA, ADJACENT AREAS, AND BUILDING OCCUPANTS THAT ARE LIKELY TO BE AFFECTED BY THE WORK UNDER THIS CONTRACT. WORK SHALL CONFORM TO ALL O.S.H.A REQUIREMENTS.

19. CONTRACTOR SHALL COORDINATE HIS WORK AND SCHEDULE HIS ACTIVITIES AND WORKING HOURS IN ACCORDANCE WITH THE REQUIREMENTS OF THE PROPERTY OWNER AND/OR PROPERTY MANAGEMENT COMPANY.

20. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH THE WORK OF OTHERS AS IT MAY RELATE TO RADIO EQUIPMENT, ANTENNAS AND ANY OTHER PORTIONS OF THE WORK.

21. CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OR WHERE LOCAL CODES OR REGULATIONS MAY TAKE PRECEDENCE.

22. CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING SURFACES, EQUIPMENT, IMPROVEMENTS, PIPING, ANTENNA AND ANTENNA CABLES AND REPAIR ANY DAMAGE THAT OCCURS DURING CONSTRUCTION.

23. CONTRACTOR SHALL REPAIR ALL EXISTING SURFACES DAMAGED DURING CONSTRUCTION SUCH THAT THEY MATCH AND BLEND WITH ADJACENT SURFACES.

24. CONTRACTOR SHALL KEEP CONTRACT AREA CLEAN, HAZARD FREE AND DISPOSE OF ALL DEBRIS AND RUBBISH. EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY OF THE OWNER SHALL BE REMOVED. LEAVE PREMISES IN CLEAN CONDITIONS AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ITEMS UNTIL COMPLETION OF CONSTRUCTION.

25. BEFORE FINAL ACCEPTANCE OF THE WORK, CONTRACTOR SHALL REMOVE ALL EQUIPMENT, TEMPORARY WORKS, UNUSED AND USELESS MATERIALS, RUBBISH AND TEMPORARY STRUCTURES.

verizon

WIRELESS COMMUNICATIONS FACILITY

20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

On Air Engineering, LLC
88 Foundry Pond Road
Cold Spring, NY 10516
201-456-4624
onair@optonline.net

LICENSURE

STATE OF CONNECTICUT
DAVID A. WEINPAHL
NO. 22144
LICENSED PROFESSIONAL ENGINEER

DAVID WEINPAHL, P.E.
CT LIC NO. 22144

SUBMITTALS

NO	DATE	DESCRIPTION
1	10.27.21	REVIEW
1	12.29.21	PERMITTING/CONSTRUCTION

DRAWN BY:	MF
CHECKED BY:	DW

PROJECT NAME:
ANTMO
MT6407
DESIGN EXHIBITS

SITE NAME:
HAMDEN NORTH 2 CT

SITE ADDRESS:
SPRINT SITES USA #CT54XC773
150 WILLOW ST.
HAMDEN, CT 06518

SHEET TITLE:
GENERAL CONSTRUCTION NOTES

SHEET NUMBER:
DE-5

SAMSUNG

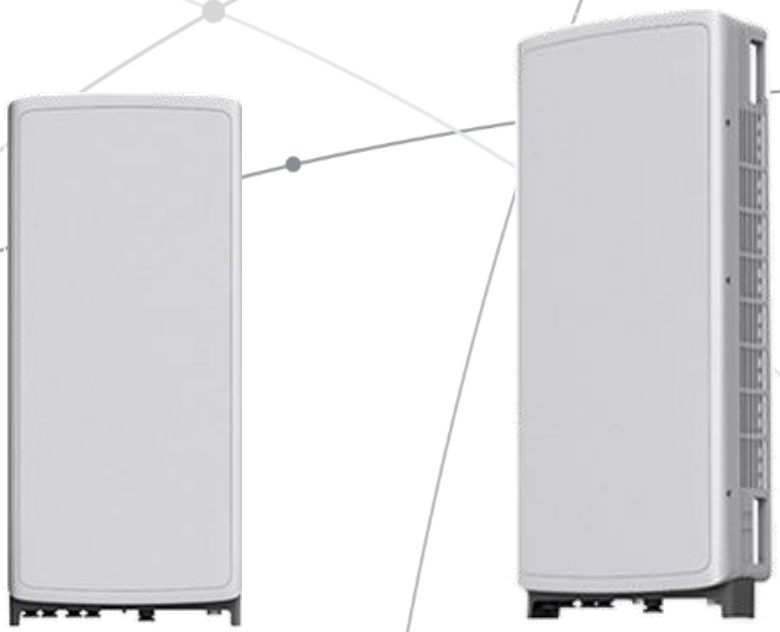
SAMSUNG

C-Band 64T64R Massive MIMO Radio

for High Capacity and Wide Coverage

Samsung C-Band 64T64R Massive MIMO Radio enables mobile operators to increase coverage range, boost data speeds and ultimately offer enriched 5G experiences to users in the U.S..

Model Code : MT6407-77A

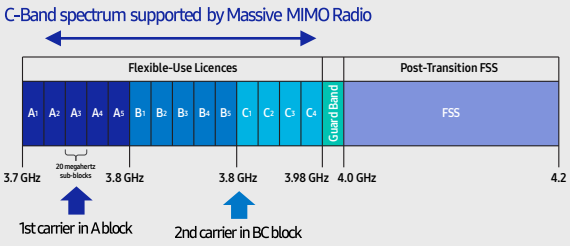


Points of Differentiation

Wide Bandwidth

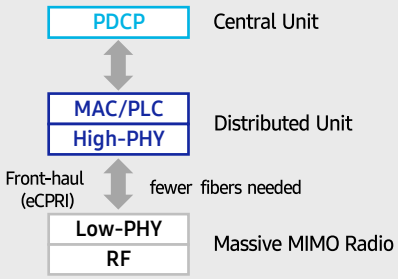
With capability to support up to 2 CC carrier configuration, Samsung C-Band massive MIMO Radio supports 200 MHz bandwidth in the C-Band spectrum.

Samsung C-Band massive MIMO Radio covers the entire C-Band 280 MHz spectrum, so it can meet the operator's needs in current A block and future B/C blocks



Future Proof Product

Samsung C-Band 64T64R Massive MIMO radio supports not only CPRI but also eCPRI as front-haul interface.
It enables operators can cut down on OPEX/CAPEX by reducing front-haul bandwidth through low layer split and using ethernet based higher efficient line.



Enhanced Performance

C-Band massive MIMO Radio creates sharp beams and extends networks' coverage on the critical mid-band spectrum using a large number of antenna elements and high output power to boost data speeds.

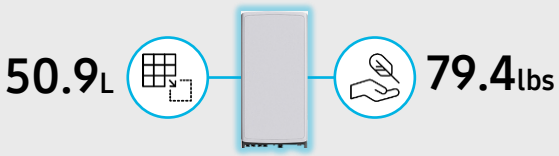
This helps operators reduce their CAPEX as they now need less products to cover the same area than before.

Furthermore, as C-Band massive MIMO Radio supports MU-MIMO(Multi-user MIMO) , it enables to increase user throughput by minimizing interference.

Well Matched Design

Samsung C-Band Massive MIMO radio utilizes 64 antennas, supports up to 280MHz bandwidth, and delivers a 200W output power. despite the above advanced performance, the Radio has a compact size of 50.9L and 79.4lbs. This makes it easy to install the Radio.

It is designed to look solid and compact, with a low profile appearance so that, when installed, harmonizes well with the surrounding environment..



Technical Specifications

Item	Specification
Tech	NR
Band	n77
Frequency Band	3700 - 3980 MHz
EIRP	78.5dBm (53.0 dBm+25.5 dBi)
IBW/OBW	280 MHz / 200 MHz
Installation	Pole/Wall
Size/ Weight	16.06 x 35.06 x 5.51 inch (50.86L)/ 79.4 lbs

SAMSUNG

About Samsung Electronics Co., Ltd.

Samsung inspires the world and shapes the future with transformative ideas and technologies. The company is redefining the worlds of TVs, smartphones, wearable devices, tablets, digital appliances, network systems, and memory, system LSI, foundry and LED solutions.

129 Samsung-ro, Yeongtong-gu, Suwon-si Gyeonggi-do, Korea

ATTACHMENT 3

	General	Power	Density					
Site Name: Hamden N 2								
Tower Height: Verizon @ 148ft								
CARRIER	**# OF CHAN.**	**WATTS ERP**	**HEIGHT**	**FREQ.**	**CALC. POWER DENS**	**MAX. PERMISS.EXP.**	**FRACTION MPE**	**Total**
*T-Mobile	2	1028	137	1900	0.043084846	1	0.43%	
*T-Mobile	2	1028	137	2100	0.043084846	1	0.43%	
*T-Mobile	2	592	137	600	0.024811507	0.4	0.62%	
*T-Mobile	2	649	137	700	0.027200452	0.466666667	0.58%	
*T-Mobile	2	2057	137	2100	0.086211603	1	0.86%	
*Sprint	1	310	157.5	850	0.004857138	0.566666667	0.09%	
*Sprint	2	310	157.5	850	0.009714276	0.566666667	0.17%	
*Sprint	5	495	157.5	1900	0.038778764	1	0.39%	
*Sprint	2	1236	157.5	1900	0.038731759	1	0.39%	
*Sprint	8	778	157.5	2500	0.097518799	1	0.98%	
*Pocket (now MetroPCS)	3	631	137	2130	0.039669073	1	0.40%	
VZW 700	**4**	**2534**	**147**	**751**	**0.0042**	**0.5007**	**0.84%**	
VZW CDMA	**2**	**625**	**147**	**878.49**	**0.0010**	**0.5857**	**0.18%**	
VZW Cellular	**4**	**2902**	**147**	**874**	**0.0048**	**0.5827**	**0.83%**	
VZW PCS	**4**	**6299**	**147**	**1975**	**0.0105**	**1.0000**	**1.05%**	
VZW AWS	**4**	**6534**	**147**	**2120**	**0.0109**	**1.0000**	**1.09%**	
VZW CBAND	**2**	**43254**	**147**	**3730.08**	**0.0720**	**1.0000**	**7.20%**	
								16.52%
* Source: Siting Council								

ATTACHMENT 4

Structural Analysis Report

Structure	**:** 157ft Monopole Tower
VB Site Name	**:** CT54XC773
VB Site Number	**:** US-CT-5019
Proposed Carrier	**:** Verizon
Carrier Site Name	**:** Hamden_North_2_CT
Carrier Site Number	**:** 467707
Site Location	**:** 150 Willow Street Hamden, CT 06410 (New Haven County) 41.44945277, -72.90468333
Date	**:** December 16, 2021
Max Member Stress Level	**:** 74.1% (Tower) 39.0% (Base Plate - Anchor Bolts) 63.0% (Foundations)
Result	**: PASS**

B&P Job No.: 21.03.006.305

Prepared For:
Vertical Bridge Engineering, LLC.

verticalbridge
VERTICAL BRIDGE ENGINEERING, LLC

Prepared By:
Bennett & Pless, Inc.

bennett&pless
Experience Structural Expertise

Table of Contents

Introduction

We have completed our structural analysis of the proposed equipment installation on the foregoing tower to determine its ability to support the loads proposed Verizon Wireless. The objective of the analysis was to determine if the tower meets the current structural codes and standards with the proposed equipment installation.

Existing Structural Information

The following documents for the existing structure were made available for our structural analysis.

Tower Information	Previous SA by SEMAAN Engineering Solutions dated July 24, 2020 EEI Project #14977, dated July 17, 2007
Foundation Information	Previous SA by SEMAAN Engineering Solutions dated July 24, 2020 EEI Project #14977, dated July 17, 2007
Geotechnical Information	JGI Project #J2075344, dated June 29, 2007
Existing Equipment Information	Vertical Bridge Collocation Application dated November 19, 2021 Version 1 No.: P-018888.
Tower Reinforcement Information	Tower has not been previously reinforced.

Final Proposed Equipment Loading for Verizon Wireless

The following proposed loading was obtained from the Vertical Bridge Collocation Application:

Antenna/Equipment					Coax	
Mount (ft).	RAD (ft.)	Qty.	Appurtenance	Type	Qty.	Size/Type
147.0	-	1	Platform with Handrail	Mount	2 12	1.98" Hybrid 1.98" Coax
	147.0	6	Commscope JAHH-65B-R3R	Panel Antenna		
		6	Antel LPA-800804CF	Panel Antenna		
		3	Samsung RFV01U-D1A	RRU		
		3	Samsung RFV01U-D2A	RRU		
		2	RFS DB-T1-6Z-8AB-0Z	Junction Box		
		3	Commscope CBC78T-DS-43-2X	Diplexer		
		3	**Samsung MT6407-77A**	**Panel Antenna**		

Note: All equipment shown in bold is proposed.
Note: All other equipment loading can be found on the tower profile attached.

Design Criteria

The tower was analyzed using tnxTower (Version 8.1.1.0) tower analysis software using the following design criteria.

Building Code	2018 Connecticut State Building Code
TIA/EIA Standard Code	TIA-222-H
Basic Wind Speed	125 MPH V_{ult}
Basic Wind Speed w/ Ice	50 MPH/ 1.0 in Ice
Steel Grade	See Tower profile for steel grade
Exposure Category	C
Topographic Category (height)	1 (0 ft)
Risk Category	II
Ground Elevation	128.8 ft
Ss	0.201
Seismic Design Category	B

Analysis Results

Based on the foregoing information, our structural analysis determined that the existing tower **is structurally capable of supporting the proposed equipment loads.** The existing tower foundations, base plate, and anchor bolts **were also found to be capable of supporting the proposed equipment loads.** A seismic analysis was performed on this tower and was not controlling.

Assumptions

The below assumptions are true, complete and accurate.

1. The existing tower has been maintained to manufacturer's specifications and is in good condition.
2. Foundations are considered to have been properly designed for the original design loads.
3. All member connections are considered to have been designed to meet the load carrying capacity of the connected member.
4. Antenna mount loads have been estimated based on generally accepted industry standards.
5. The mounts for the proposed antennas have been analyzed and designed by others.
6. See additional assumptions contained in the report attached.
7. Tower is within acceptable engineering tolerance at 105%.
8. Foundations are within acceptable engineering tolerance at 110%.

Conclusions

The existing tower described above **does have sufficient capacity** to support the proposed loading based on the governing Building Code. The existing tower foundations, baseplate, and anchor bolts **were also found to have sufficient capacity** to support the proposed loading.

We appreciate the opportunity of providing our continuing professional services to you. If you have any questions or need further assistance, please call us anytime at 561-288-1187.

Sincerely,

Analysis by:

Michael Hlinka, E.I., M.S.
Design Engineer

Reviewed by:

Thomas F. Ireland, P.E.
Principal

Standard Conditions

All engineering services are performed on the basis that the information used is current and correct. This information may consist of, but not necessarily limited, to:

- Information supplied by the client regarding the structure itself, the antenna and transmission line loading on the structure and it components, or relevant information.

- Information from drawings in possession of Bennett & Pless, or generated by field inspections or measurements of the structure.

It is the responsibility of the client to ensure that the information provided to Bennett & Pless and used in the performance of our engineering services is correct and complete. In the absence of information contrary, we consider that all structures were constructed in accordance with the drawings and specifications and are in a un-corroded condition and have not deteriorated; and we, therefore consider that their capacity has not significantly changed from the original design condition.

All services will be performed to the codes and standards specified by the client, and we do not imply to meet any other code and standard requirements unless explicitly agreed to in writing. If wind and ice loads or other relevant parameters are to be different from the minimum values recommended by the codes and standards, the client shall specify the exact requirements. In the absence of information to the contrary, all work will be performed in accordance with ANSI/TIA/EIA-222-Revision H.

All services are performed, results obtained and recommendations made in accordance with the generally accepted engineering principles and practices. Bennett & Pless is not responsible for the conclusions, opinions and recommendations made by others based on the information we supply.

Disclaimer of Warranties

Bennett & Pless Inc. makes no warranties, expressed or implied, in connection with this report, and disclaims any liability arising from the ability of the existing structure to support the design loads for which it was originally designed. Bennett & Pless Inc. will not be responsible whatsoever for or on account of, consequential or incidental damages sustained by any person, firm, or organization as a result of any data or conclusions contained in this report. The maximum liability of Bennett & Pless pursuant to this report will be limited to the total fee received for preparation of this report.

Attachment 1:
Calculations

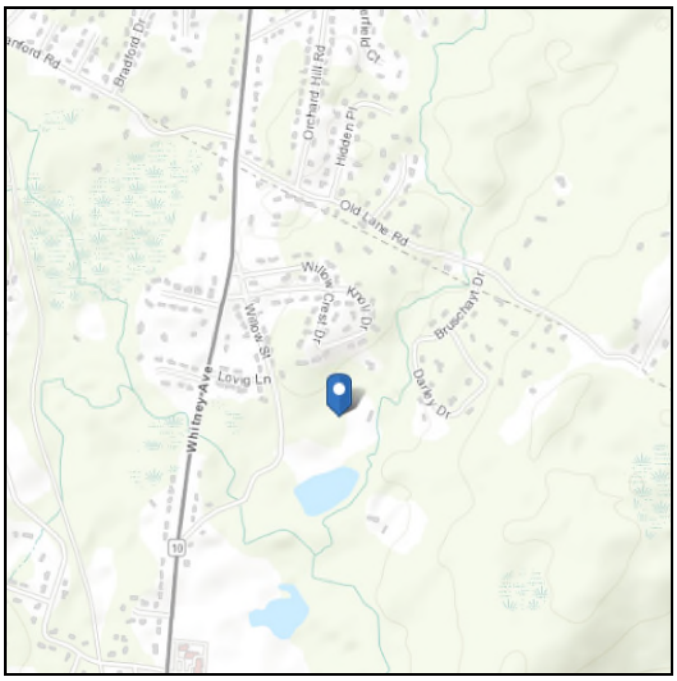
(APPENDIX N) MUNICIPALITY - SPECIFIC STRUCTURAL DESIGN PARAMETERS												
				Wind Design Parameters								
Municipality	**Ground Snow Load** (psf)	**MCE Spectral Accelerations** (%g)		**Ultimate Design Wind Speeds, V_{ult}** (mph)			**Nominal Design Wind Speeds, V_{asd}** (mph)			**Wind-Borne Debris Regions[1]**		**Hurricane-Prone Regions**
		S_s	S_1	Risk Cat.I	Risk Cat.II	Risk Cat III-IV	Risk Cat. I	Risk Cat. II	Risk Cat. III-IV	Risk Cat. II & III except Occup I-2	Risk Cat III Occup I-2 & Risk Cat. IV	
East Granby	35	0.177	0.065	110	120	130	85	93	101			Yes
East Haddam	30	0.172	0.061	120	130	140	93	101	108			Yes
East Hampton	30	0.177	0.062	120	130	140	93	101	108			Yes
East Hartford	30	0.180	0.064	115	125	135	89	97	105			Yes
East Haven	30	0.182	0.062	120	130	140	93	101	108		Type B	Yes
East Lyme	30	0.164	0.059	125	135	145	97	105	112	Type B	Type A	Yes
Easton	30	0.215	0.066	120	130	140	93	101	108			Yes
East Windsor	35	0.177	0.064	115	125	135	89	97	105			Yes
Ellington	35	0.176	0.064	115	125	135	89	97	105			Yes
Enfield	35	0.176	0.065	110	125	130	85	97	101			Yes
Essex	30	0.168	0.059	120	135	145	93	105	112		Type A	Yes
Fairfield	30	0.215	0.065	115	125	135	89	97	105		Type B	Yes
Farmington	35	0.183	0.064	115	125	135	89	97	105			Yes
Franklin	30	0.171	0.061	120	130	140	93	101	108		Type A	Yes
Glastonbury	30	0.180	0.063	115	125	135	89	97	105			Yes
Goshen	40	0.181	0.065	105	115	125	81	89	97			
Granby	35	0.176	0.065	110	120	130	85	93	101			Yes
Greenwich	30	0.259	0.070	110	120	130	85	93	101			Yes
Griswold	30	0.168	0.060	125	135	145	97	105	112		Type A	Yes
Groton	30	0.160	0.058	125	135	145	97	105	112	Type B	Type A	Yes
Guilford	30	0.176	0.061	120	130	140	93	101	108		Type B	Yes
Haddam	30	0.175	0.061	120	130	140	93	101	108			Yes
Hamden	30	0.185	0.063	115	125	135	89	97	105			Yes
Hampton	35	0.172	0.062	120	130	140	93	101	108			Yes
Hartford	30	0.181	0.064	115	125	135	89	97	105			Yes
Hartland	40	0.175	0.065	110	120	125	85	93	97			Yes
Harwinton	35	0.183	0.065	110	120	130	85	93	101			Yes
Hebron	30	0.177	0.063	120	130	140	93	101	108			Yes
Kent	40	0.188	0.065	105	115	120	81	89	93			
Killingly	40	0.171	0.062	120	130	140	93	101	108			Yes
Killingworth	30	0.173	0.061	120	130	140	93	101	108			Yes
Lebanon	30	0.173	0.062	120	130	140	93	101	108			Yes
Ledyard	30	0.163	0.059	125	135	145	97	105	112		Type A	Yes
Lisbon	30	0.169	0.061	125	135	145	97	105	112		Type A	Yes
Litchfield	40	0.184	0.065	110	120	125	85	93	97			Yes
Lyme	30	0.164	0.059	125	135	145	97	105	112		Type A	Yes
Madison	30	0.173	0.060	120	130	140	93	101	108		Type B	Yes
Manchester	30	0.178	0.064	115	125	135	89	97	105			Yes
Mansfield	35	0.173	0.062	120	130	140	93	101	108			Yes
Marlborough	30	0.177	0.062	120	130	140	93	101	108			Yes
Meriden	30	0.183	0.063	115	125	135	89	97	105			Yes

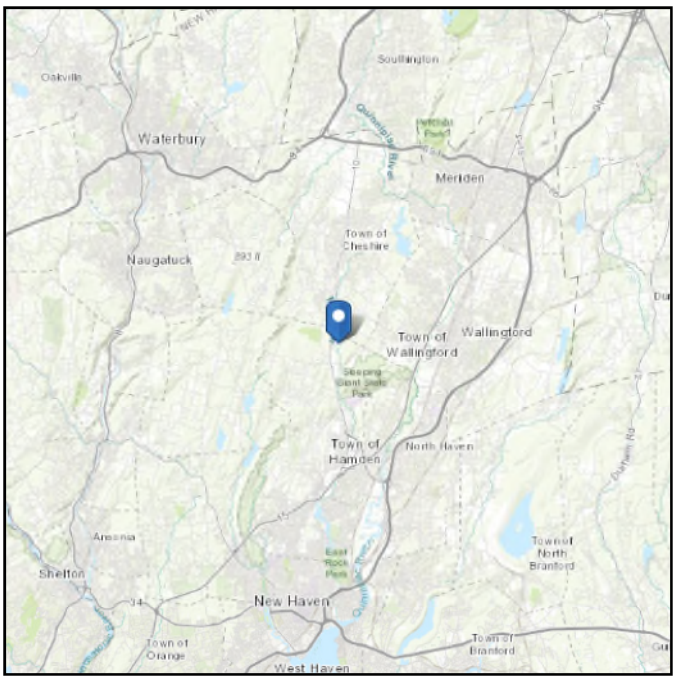
ASCE 7 Hazards Report

Address:
No Address at This Location

Standard: ASCE/SEI 7-16
Risk Category: II
Soil Class: D - Default (see Section 11.4.3)

Elevation: 128.8 ft (NAVD 88)
Latitude: 41.449453
Longitude: -72.904683





Wind

Results:

~~Wind Speed~~	~~119 Vmph~~	125 Vmph per 2018 CSBC
10-year MRI	75 Vmph	
25-year MRI	84 Vmph	
50-year MRI	90 Vmph	
100-year MRI	98 Vmph	

Data Source: ASCE/SEI 7-16, Fig. 26.5-1B and Figs. CC.2-1–CC.2-4, and Section 26.5.2
Date Accessed: Tue Dec 14 2021

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-16 Standard. Wind speeds correspond to approximately a 7% probability of exceedance in 50 years (annual exceedance probability = 0.00143, MRI = 700 years).

Site is in a hurricane-prone region as defined in ASCE/SEI 7-16 Section 26.2. Glazed openings need not be protected against wind-borne debris.

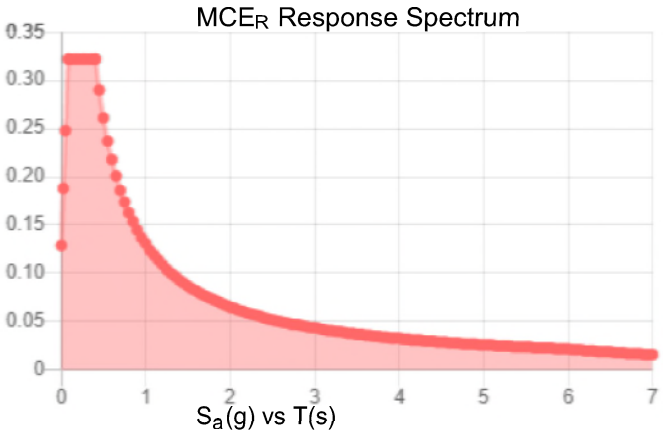
Seismic

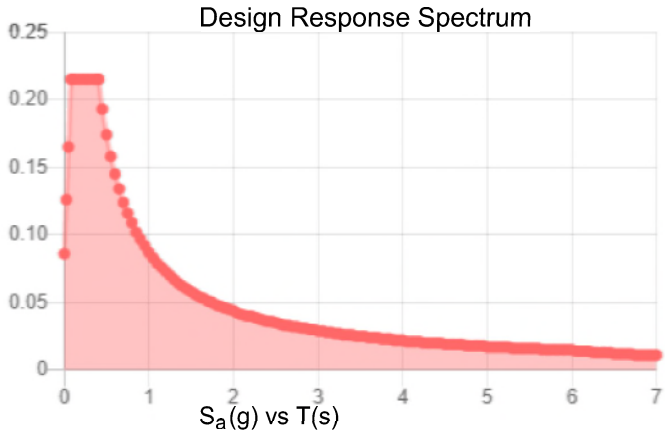
Site Soil Class: D - Default (see Section 11.4.3)

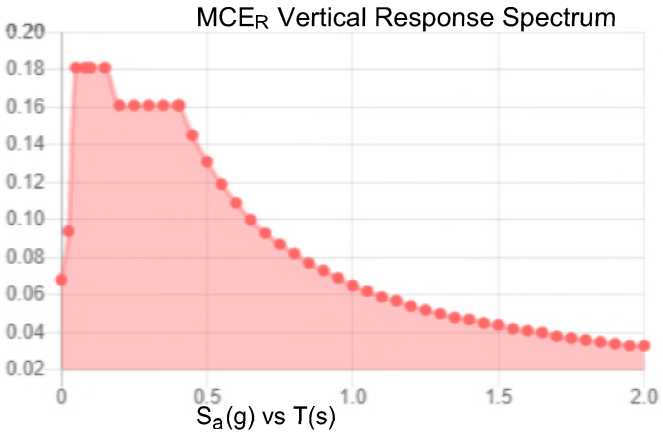
Results:

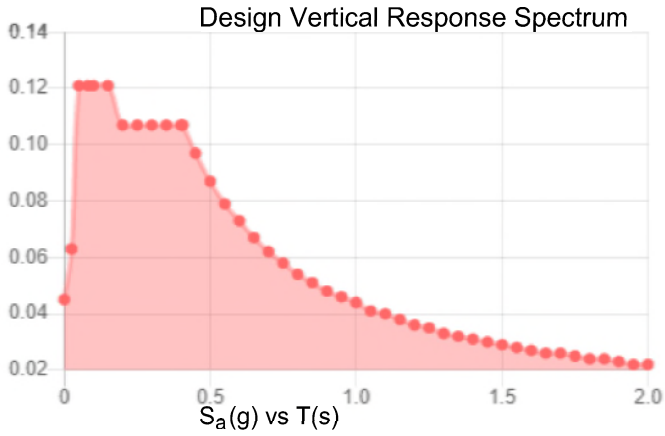
S_S :	0.201	S_{D1} :	0.087
S_1 :	0.054	T_L :	6
F_a :	1.6	PGA :	0.112
F_v :	2.4	PGA_M :	0.176
S_{MS} :	0.322	F_{PGA} :	1.576
S_{M1} :	0.131	I_e :	1
S_{DS} :	0.215	C_v :	0.702

Seismic Design Category B









Data Accessed: **Tue Dec 14 2021**

Date Source:

USGS Seismic Design Maps based on ASCE/SEI 7-16 and ASCE/SEI 7-16 Table 1.5-2. Additional data for site-specific ground motion procedures in accordance with ASCE/SEI 7-16 Ch. 21 are available from USGS.

Ice

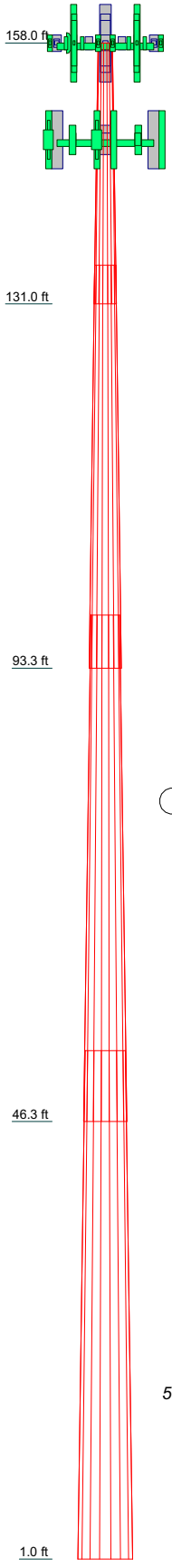
Results:

Ice Thickness:	1.00 in.
Concurrent Temperature:	15 F
Gust Speed	50 mph
Data Source:	Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8
Date Accessed:	Tue Dec 14 2021

Ice thicknesses on structures in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

Values provided are equivalent radial ice thicknesses due to freezing rain with concurrent 3-second gust speeds, for a 500-year mean recurrence interval, and temperatures concurrent with ice thicknesses due to freezing rain. Thicknesses for ice accretions caused by other sources shall be obtained from local meteorological studies. Ice thicknesses in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

Section	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1	27.000	18	0.1875	4.000	18.5000	27.3500		1.2
2	41.750	18	0.3750	5.500	25.6639	39.3600		5.4
3	52.417	18	0.4375	7.333	36.8057	54.0000	A572-65	11.1
4	52.667	18	0.4735		50.7195	68.0000		15.9



ALL REACTIONS ARE FACTORED

AXIAL 79 K
SHEAR 10 K
MOMENT 1133 kip-ft
TORQUE 5 kip-ft
50 mph WIND - 1.0000 in ICE

AXIAL 59 K
SHEAR 49 K
MOMENT 5486 kip-ft
TORQUE 25 kip-ft
REACTIONS - 125 mph WIND

DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
Platform w/ Handrails (Sprint)	158	(2) 26" Dish (Sprint)	158
(4) Combiners 16" x 9" x 6" (Sprint)	158	(2) Antel LPA 80080/4CF (VZW)	148
(4) Combiners 16" x 9" x 6" (Sprint)	158	(2) Antel LPA 80080/4CF (VZW)	148
(4) Combiners 16" x 9" x 6" (Sprint)	158	Samsung RFV01U-D1A (VZW)	148
(2) RRH 1900 MHz (Sprint)	158	Samsung RFV01U-D1A (VZW)	148
(2) RRH 1900 MHz (Sprint)	158	Samsung RFV01U-D1A (VZW)	148
(2) RRH 1900 MHz (Sprint)	158	Samsung RFV01U-D2A (VZW)	148
(2) Notch Filter (Sprint)	158	Samsung RFV01U-D2A (VZW)	148
(2) Notch Filter (Sprint)	158	Samsung RFV01U-D2A (VZW)	148
(2) Notch Filter (Sprint)	158	(2) RFS DB-T1-6Z-8AB-OZ (VZW)	148
RRH 850 MHz (Sprint)	158	Commscope CBC78T-DS-43-2X (VZW)	148
RRH 850 MHz (Sprint)	158		
RRH 850 MHz (Sprint)	158	Commscope CBC78T-DS-43-2X (VZW)	148
Panel 8'x14"x7" (Sprint)	158		
Panel 8'x14"x7" (Sprint)	158	Commscope CBC78T-DS-43-2X (VZW)	148
Panel 8'x14"x7" (Sprint)	158		
APXVSPP18-C-A20 (Sprint)	158	Samsung MT6407-77A (VZW)	148
APXVSPP18-C-A20 (Sprint)	158	Samsung MT6407-77A (VZW)	148
APXVSPP18-C-A20 (Sprint)	158	Samsung MT6407-77A (VZW)	148
APXVTM14-C-I20 (Sprint)	158	Platform w/ Handrails (VZW)	148
APXVTM14-C-I20 (Sprint)	158	(2) Commscope JAHH-65B-R3B w/ pipe mount (VZW)	148
APXVTM14-C-I20 (Sprint)	158		
GPS (Sprint)	158	(2) Commscope JAHH-65B-R3B w/ pipe mount (VZW)	148
(2) ODU (Sprint)	158		
(2) TD-RRH-8X20 (Sprint)	158	(2) Commscope JAHH-65B-R3B w/ pipe mount (VZW)	148
(2) TD-RRH-8X20 (Sprint)	158		
(2) TD-RRH-8X20 (Sprint)	158	(2) Antel LPA 80080/4CF (VZW)	148
(3) RET Kit (Sprint)	158	Appurtenance Reserve Area (TMO)	138
(3) RET Kit (Sprint)	158	Appurtenance Reserve Area (TMO)	138
(3) RET Kit (Sprint)	158	Appurtenance Reserve Area (TMO)	138

MATERIAL STRENGTH

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

TOWER DESIGN NOTES

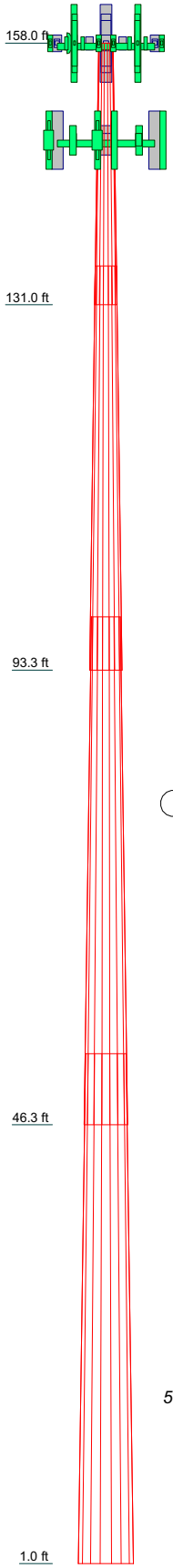
1. Tower is located in New Haven County, Connecticut.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 125 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.000 ft
8. TOWER RATING: 74.1%

Bennett & Pless
750 Park Commerce Dr #200
Boca Raton, FL 33487
Phone: 561-282-2676
FAX:
Experience Structural Expertise

Job: *US-CT-5019*			
Project: ***Monopole Structural Analysis***			
Client: Vertical Bridge	Drawn by: mhlinka	App'd:	
Code: TIA-222-H	Date: 12/16/21	Scale: NTS	
Path:		Dwg No. E-1	

Section	1	2	3	4
Length (ft)	27.000	41.750	52.417	52.667
Number of Sides	18	18	18	18
Thickness (in)	0.1875	0.3750	0.4375	0.4735
Socket Length (ft)	4.000	5.500	7.333	
Top Dia (in)	18.5000	25.6639	36.8057	50.7195
Bot Dia (in)	27.3500	39.3600	54.0000	68.0000
Grade	A572-65			
Weight (K)	1.2	5.4	11.1	15.9

33.7



ALL REACTIONS ARE FACTORED

AXIAL 61 K
SHEAR 1 K
MOMENT 202 kip-ft
TORQUE 0 kip-ft
SEISMIC

AXIAL 79 K
SHEAR 10 K
MOMENT 1133 kip-ft
TORQUE 5 kip-ft
50 mph WIND - 1.0000 in ICE

AXIAL 59 K
SHEAR 49 K
MOMENT 5486 kip-ft
TORQUE 25 kip-ft
REACTIONS - 125 mph WIND

MATERIAL STRENGTH

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

TOWER DESIGN NOTES

1. Tower is located in New Haven County, Connecticut.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 125 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.000 ft
8. Seismic calculations are in accordance with TIA-222-H.
9. Seismic loads do not control over wind loads.
10. TOWER RATING: 74.1%

Bennett & Pless
750 Park Commerce Dr #200
Boca Raton, FL 33487
Phone: 561-282-2676
FAX:
Experience Structural Expertise

Job: **US-CT-5019**			
Project: ***Monopole Structural Analysis***			
Client: Vertical Bridge	Drawn by: mhlinka	App'd:	
Code: TIA-222-H	Date: 12/16/21	Scale: NTS	
Path:		Dwg No. E-1	

Tower Input Data

The tower is a monopole.
This tower is designed using the TIA-222-H standard.
The following design criteria apply:

Tower is located in New Haven County, Connecticut.
Tower base elevation above sea level: 129.800 ft.
Basic wind speed of 125 mph.
Risk Category II.
Exposure Category C.
Simplified Topographic Factor Procedure for wind speed-up calculations is used.
Topographic Category: 1.
Crest Height: 0.000 ft.
Nominal ice thickness of 1.0000 in.
Ice thickness is considered to increase with height.
Ice density of 56.000 pcf.
A wind speed of 50 mph is used in combination with ice.
Temperature drop of 50.000 °F.
Deflections calculated using a wind speed of 60 mph.
A non-linear (P-delta) analysis was used.
Pressures are calculated at each section.
Stress ratio used in pole design is 1.
Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

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

Tapered Pole Section Geometry

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L1	158.000-131.000	27.000	4.000	18	18.5000	27.3500	0.1875	0.7500	A572-65 (65 ksi)
L2	131.000-93.250	41.750	5.500	18	25.6639	39.3600	0.3750	1.5000	A572-65 (65 ksi)
L3	93.250-46.333	52.417	7.333	18	36.8057	54.0000	0.4375	1.7500	A572-65 (65 ksi)
L4	46.333-1.000	52.667		18	50.7195	68.0000	0.4735	1.8940	A572-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
L1	18.7565	10.8982	461.7305	6.5009	9.3980	49.1307	924.0685	5.4501	2.9260	15.605
	27.7430	16.1651	1506.7974	9.6427	13.8938	108.4511	3015.5775	8.0841	4.4836	23.913
L2	27.3344	30.1001	2432.0074	8.9776	13.0373	186.5429	4867.2148	15.0529	3.8568	10.285
	39.9093	46.4019	8909.8062	13.8397	19.9949	445.6044	17831.3361	23.2054	6.2674	16.713
L3	39.1380	50.5018	8438.9543	12.9107	18.6973	451.3460	16889.0128	25.2557	5.7078	13.046
	54.7655	74.3782	26959.0726	19.0147	27.4320	982.7600	53953.6186	37.1962	8.7340	19.963
L4	53.8721	75.5141	24086.1617	17.8373	25.7655	934.8229	48204.0166	37.7642	8.0933	17.092
	68.9760	101.4848	58463.8049	23.9719	34.5440	1692.4446	117004.5380	50.7521	11.1346	23.516

Tower Elevation ft	Gusset Area (per face) ft^2	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
L1 158.000-131.000				1	1	1			
L2 131.000-93.250				1	1	1			
L3 93.250-46.333				1	1	1			
L4 46.333-1.000				1	1	1			

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight klf
***										
Step Pegs (5/8' SR)	C	No	Surface Ar (CaAa)	158.000 - 5.000	2	2	0.000 0.000	0.2920		0.000
3/8" SAFETY LINE	C	No	Surface Ar (CaAa)	158.000 - 5.000	1	1	0.000 0.000	0.3750		0.000

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight klf
*** existing lines ***									
2" Hybrid Cables (VZW)	C	No	No	Inside Pole	148.000 - 5.000	2	No Ice	0.000	0.001
							1/2" Ice	0.000	0.001
							1" Ice	0.000	0.001
2" Coax (VZW)	C	No	No	Inside Pole	148.000 - 5.000	12	No Ice	0.000	0.002
							1/2" Ice	0.000	0.002
							1" Ice	0.000	0.002
*** Sprint existing ***									
1 5/8" (1.63", 41.3 mm) Fiber (Sprint)	C	No	No	Inside Pole	158.000 - 5.000	12	No Ice	0.000	0.001
							1/2" Ice	0.000	0.001
							1" Ice	0.000	0.001
1.25" Fiber (Sprint)	C	No	No	Inside Pole	158.000 - 5.000	3	No Ice	0.000	0.001
							1/2" Ice	0.000	0.001
							1" Ice	0.000	0.001
Trunk Line HB114-13U (Sprint)	C	No	No	Inside Pole	158.000 - 5.000	1	No Ice	0.000	0.001
							1/2" Ice	0.000	0.001
							1" Ice	0.000	0.001
1/2" Coax (Sprint)	C	No	No	Inside Pole	158.000 - 5.000	2	No Ice	0.000	0.000
							1/2" Ice	0.000	0.000
							1" Ice	0.000	0.000
RET Cable (Sprint)	C	No	No	Inside Pole	158.000 - 5.000	3	No Ice	0.000	0.000
							1/2" Ice	0.000	0.000
							1" Ice	0.000	0.000
***									
LDF7-50A (1 5/8 FOAM) (T-Mobile)	B	No	No	Inside Pole	138.000 - 5.000	6	No Ice	0.000	0.001
							1/2" Ice	0.000	0.001
							1" Ice	0.000	0.001

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	158.000-131.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.034
		C	0.000	0.000	2.589	0.000	0.841
L2	131.000-93.250	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.186
		C	0.000	0.000	3.620	0.000	1.503
L3	93.250-46.333	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.231
		C	0.000	0.000	4.499	0.000	1.868
L4	46.333-1.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.203
		C	0.000	0.000	3.964	0.000	1.646

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	158.000-131.000	A	1.158	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.034
		C		0.000	0.000	17.059	0.000	0.962
L2	131.000-93.250	A	1.129	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.186
		C		0.000	0.000	23.850	0.000	1.673
L3	93.250-46.333	A	1.076	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.231
		C		0.000	0.000	29.022	0.000	2.070
L4	46.333-1.000	A	0.968	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.203
		C		0.000	0.000	24.588	0.000	1.810

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	158.000-131.000	0.0000	0.9645	0.0000	2.7559
L2	131.000-93.250	0.0000	0.9096	0.0000	2.8424
L3	93.250-46.333	0.0000	0.8732	0.0000	2.8581
L4	46.333-1.000	0.0000	0.7701	0.0000	2.5628

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

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L1	11	Step Pegs (5/8' SR)	131.00 - 158.00	1.0000	1.0000
L1	12	3/8" SAFETY LINE	131.00 - 158.00	1.0000	1.0000
L2	11	Step Pegs (5/8' SR)	93.25 - 131.00	1.0000	1.0000
L2	12	3/8" SAFETY LINE	93.25 - 131.00	1.0000	1.0000
L3	11	Step Pegs (5/8' SR)	46.33 - 93.25	1.0000	1.0000
L3	12	3/8" SAFETY LINE	46.33 - 93.25	1.0000	1.0000
L4	11	Step Pegs (5/8' SR)	5.00 - 46.33	1.0000	1.0000
L4	12	3/8" SAFETY LINE	5.00 - 46.33	1.0000	1.0000

Discrete Tower Loads

Description	*Face or Leg*	*Offset Type*	*Offsets: Horz Lateral Vert* ft ft ft	*Azimuth Adjustment* °	*Placement* ft		C_AA_A *Front* ft^2	C_AA_A *Side* ft^2	*Weight* K
Appurtenance Reserve Area	A	From Leg	3.000	0.0000	138.000	No Ice	69.440	48.600	0.860
(TMO)			0.000			1/2" Ice	81.480	57.000	1.220
			0.000			1" Ice	93.520	65.400	1.580
Appurtenance Reserve Area	A	From Leg	3.000	0.0000	138.000	No Ice	69.440	48.600	0.860
(TMO)			0.000			1/2" Ice	81.480	57.000	1.220
			0.000			1" Ice	93.520	65.400	1.580
Appurtenance Reserve Area	A	From Leg	3.000	0.0000	138.000	No Ice	69.440	48.600	0.860
(TMO)			0.000			1/2" Ice	81.480	57.000	1.220
			0.000			1" Ice	93.520	65.400	1.580
*** Mounts ***									
Platform w/ Handrails	A	None		0.0000	148.000	No Ice	32.030	32.030	1.340
(VZW)						1/2" Ice	38.710	38.710	1.800
						1" Ice	45.390	45.390	2.260
*** VZW existing ***									
(2) Commscope	A	From Leg	3.000	0.0000	148.000	No Ice	9.688	8.283	0.110
JAHH-65B-R3B w/ pipe			0.000			1/2" Ice	10.362	9.575	0.193
mount			0.000			1" Ice	10.957	10.529	0.285
(VZW)									
(2) Commscope	B	From Leg	3.000	0.0000	148.000	No Ice	9.688	8.283	0.110
JAHH-65B-R3B w/ pipe			0.000			1/2" Ice	10.362	9.575	0.193
mount			0.000			1" Ice	10.957	10.529	0.285
(VZW)									
(2) Commscope	C	From Leg	3.000	0.0000	148.000	No Ice	9.688	8.283	0.110
JAHH-65B-R3B w/ pipe			0.000			1/2" Ice	10.362	9.575	0.193
mount			0.000			1" Ice	10.957	10.529	0.285
(VZW)									
(2) Antel LPA 80080/4CF	A	From Leg	3.000	0.0000	148.000	No Ice	2.619	5.399	0.012
(VZW)			0.000			1/2" Ice	2.922	5.726	0.045
			0.000			1" Ice	3.232	6.061	0.083
(2) Antel LPA 80080/4CF	B	From Leg	3.000	0.0000	148.000	No Ice	2.619	5.399	0.012
(VZW)			0.000			1/2" Ice	2.922	5.726	0.045
			0.000			1" Ice	3.232	6.061	0.083
(2) Antel LPA 80080/4CF	C	From Leg	3.000	0.0000	148.000	No Ice	2.619	5.399	0.012
(VZW)			0.000			1/2" Ice	2.922	5.726	0.045
			0.000			1" Ice	3.232	6.061	0.083
Samsung RFV01U-D1A	A	From Leg	3.000	0.0000	148.000	No Ice	1.875	1.250	0.084
(VZW)			0.000			1/2" Ice	2.045	1.393	0.103
			0.000			1" Ice	2.223	1.543	0.124
Samsung RFV01U-D1A	B	From Leg	3.000	0.0000	148.000	No Ice	1.875	1.250	0.084
(VZW)			0.000			1/2" Ice	2.045	1.393	0.103
			0.000			1" Ice	2.223	1.543	0.124
Samsung RFV01U-D1A	C	From Leg	3.000	0.0000	148.000	No Ice	1.875	1.250	0.084
(VZW)			0.000			1/2" Ice	2.045	1.393	0.103
			0.000			1" Ice	2.223	1.543	0.124
Samsung RFV01U-D2A	A	From Leg	3.000	0.0000	148.000	No Ice	1.875	1.013	0.070
(VZW)			0.000			1/2" Ice	2.045	1.145	0.087
			0.000			1" Ice	2.223	1.284	0.106
Samsung RFV01U-D2A	B	From Leg	3.000	0.0000	148.000	No Ice	1.875	1.013	0.070
(VZW)			0.000			1/2" Ice	2.045	1.145	0.087
			0.000			1" Ice	2.223	1.284	0.106
Samsung RFV01U-D2A	C	From Leg	3.000	0.0000	148.000	No Ice	1.875	1.013	0.070
(VZW)			0.000			1/2" Ice	2.045	1.145	0.087
			0.000			1" Ice	2.223	1.284	0.106
(2) RFS DB-T1-6Z-8AB-OZ	C	From Leg	3.000	0.0000	148.000	No Ice	4.800	2.000	0.044

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
(VZW)			0.000			1/2" Ice	5.070	2.193	0.080
			0.000			1" Ice	5.348	2.393	0.120
Commscope	A	From Leg	3.000	0.0000	148.000	No Ice	0.368	0.256	0.021
CBC78T-DS-43-2X			0.000			1/2" Ice	0.446	0.322	0.025
(VZW)			0.000			1" Ice	0.531	0.395	0.031
Commscope	B	From Leg	3.000	0.0000	148.000	No Ice	0.368	0.256	0.021
CBC78T-DS-43-2X			0.000			1/2" Ice	0.446	0.322	0.025
(VZW)			0.000			1" Ice	0.531	0.395	0.031
Commscope	C	From Leg	3.000	0.0000	148.000	No Ice	0.368	0.256	0.021
CBC78T-DS-43-2X			0.000			1/2" Ice	0.446	0.322	0.025
(VZW)			0.000			1" Ice	0.531	0.395	0.031
*** VZW proposed ***									
Samsung MT6407-77A	A	From Leg	3.000	0.0000	148.000	No Ice	4.700	1.844	0.087
(VZW)			0.000			1/2" Ice	4.988	2.067	0.116
			0.000			1" Ice	5.284	2.297	0.150
Samsung MT6407-77A	B	From Leg	3.000	0.0000	148.000	No Ice	4.700	1.844	0.087
(VZW)			0.000			1/2" Ice	4.988	2.067	0.116
			0.000			1" Ice	5.284	2.297	0.150
Samsung MT6407-77A	C	From Leg	3.000	0.0000	148.000	No Ice	4.700	1.844	0.087
(VZW)			0.000			1/2" Ice	4.988	2.067	0.116
			0.000			1" Ice	5.284	2.297	0.150
*** Sprint existing ***									
Platform w/ Handrails	A	None		0.0000	158.000	No Ice	32.030	32.030	1.340
(Sprint)						1/2" Ice	38.710	38.710	1.800
						1" Ice	45.390	45.390	2.260
(4) Combiners 16" x 9" x 6"	A	From Leg	3.000	0.0000	158.000	No Ice	1.200	0.805	0.010
(Sprint)			0.000			1/2" Ice	1.343	0.926	0.021
			0.000			1" Ice	1.493	1.059	0.033
(4) Combiners 16" x 9" x 6"	B	From Leg	3.000	0.0000	158.000	No Ice	1.200	0.805	0.010
(Sprint)			0.000			1/2" Ice	1.343	0.926	0.021
			0.000			1" Ice	1.493	1.059	0.033
(4) Combiners 16" x 9" x 6"	C	From Leg	3.000	0.0000	158.000	No Ice	1.200	0.805	0.010
(Sprint)			0.000			1/2" Ice	1.343	0.926	0.021
			0.000			1" Ice	1.493	1.059	0.033
(2) RRH 1900 MHz	A	From Leg	3.000	0.0000	158.000	No Ice	1.833	1.182	0.050
(Sprint)			0.000			1/2" Ice	2.009	1.330	0.065
			0.000			1" Ice	2.193	1.485	0.084
(2) RRH 1900 MHz	B	From Leg	3.000	0.0000	158.000	No Ice	1.833	1.182	0.050
(Sprint)			0.000			1/2" Ice	2.009	1.330	0.065
			0.000			1" Ice	2.193	1.485	0.084
(2) RRH 1900 MHz	C	From Leg	3.000	0.0000	158.000	No Ice	1.833	1.182	0.050
(Sprint)			0.000			1/2" Ice	2.009	1.330	0.065
			0.000			1" Ice	2.193	1.485	0.084
(2) Notch Filter	A	From Leg	3.000	0.0000	158.000	No Ice	0.990	0.990	0.088
(Sprint)			0.000			1/2" Ice	1.237	1.237	0.014
			0.000			1" Ice	1.484	1.484	0.016
(2) Notch Filter	B	From Leg	3.000	0.0000	158.000	No Ice	0.990	0.990	0.088
(Sprint)			0.000			1/2" Ice	1.237	1.237	0.014
			0.000			1" Ice	1.484	1.484	0.016
(2) Notch Filter	C	From Leg	3.000	0.0000	158.000	No Ice	0.990	0.990	0.088
(Sprint)			0.000			1/2" Ice	1.237	1.237	0.014
			0.000			1" Ice	1.484	1.484	0.016
RRH 850 MHz	A	From Leg	3.000	0.0000	158.000	No Ice	1.742	1.425	0.050
(Sprint)			0.000			1/2" Ice	1.912	1.584	0.067
			0.000			1" Ice	2.090	1.751	0.086
RRH 850 MHz	B	From Leg	3.000	0.0000	158.000	No Ice	1.742	1.425	0.050
(Sprint)			0.000			1/2" Ice	1.912	1.584	0.067

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0.000			1" Ice	2.090	1.751	0.086
RRH 850 MHz	C	From Leg	3.000	0.0000	158.000	No Ice	1.742	1.425	0.050
(Sprint)			0.000			1/2" Ice	1.912	1.584	0.067
			0.000			1" Ice	2.090	1.751	0.086
Panel 8'x14"x7"	A	From Leg	3.000	0.0000	158.000	No Ice	13.007	7.578	0.070
(Sprint)			0.000			1/2" Ice	13.605	8.167	0.142
			0.000			1" Ice	14.209	8.765	0.222
Panel 8'x14"x7"	B	From Leg	3.000	0.0000	158.000	No Ice	13.007	7.578	0.070
(Sprint)			0.000			1/2" Ice	13.605	8.167	0.142
			0.000			1" Ice	14.209	8.765	0.222
Panel 8'x14"x7"	C	From Leg	3.000	0.0000	158.000	No Ice	13.007	7.578	0.070
(Sprint)			0.000			1/2" Ice	13.605	8.167	0.142
			0.000			1" Ice	14.209	8.765	0.222
APXVSPP18-C-A20	A	From Leg	3.000	0.0000	158.000	No Ice	8.323	4.509	0.040
(Sprint)			0.000			1/2" Ice	8.781	4.954	0.087
			0.000			1" Ice	9.245	5.405	0.141
APXVSPP18-C-A20	B	From Leg	3.000	0.0000	158.000	No Ice	8.323	4.509	0.040
(Sprint)			0.000			1/2" Ice	8.781	4.954	0.087
			0.000			1" Ice	9.245	5.405	0.141
APXVSPP18-C-A20	C	From Leg	3.000	0.0000	158.000	No Ice	8.323	4.509	0.040
(Sprint)			0.000			1/2" Ice	8.781	4.954	0.087
			0.000			1" Ice	9.245	5.405	0.141
APXVTM14-C-I20	A	From Leg	3.000	0.0000	158.000	No Ice	6.342	3.607	0.056
(Sprint)			0.000			1/2" Ice	6.716	3.967	0.096
			0.000			1" Ice	7.097	4.333	0.140
APXVTM14-C-I20	B	From Leg	3.000	0.0000	158.000	No Ice	6.342	3.607	0.056
(Sprint)			0.000			1/2" Ice	6.716	3.967	0.096
			0.000			1" Ice	7.097	4.333	0.140
APXVTM14-C-I20	C	From Leg	3.000	0.0000	158.000	No Ice	6.342	3.607	0.056
(Sprint)			0.000			1/2" Ice	6.716	3.967	0.096
			0.000			1" Ice	7.097	4.333	0.140
GPS	C	From Leg	3.000	0.0000	158.000	No Ice	0.700	0.700	0.016
(Sprint)			0.000			1/2" Ice	0.800	0.800	0.019
			0.000			1" Ice	0.900	0.900	0.022
(2) ODU	C	From Leg	3.000	0.0000	158.000	No Ice	1.825	0.470	0.010
(Sprint)			0.000			1/2" Ice	1.994	0.573	0.200
			0.000			1" Ice	2.169	0.682	0.030
(2) TD-RRH-8X20	A	From Leg	3.000	0.0000	158.000	No Ice	0.583	0.583	0.070
(Sprint)			0.000			1/2" Ice	0.681	0.681	0.077
			0.000			1" Ice	0.787	0.787	0.086
(2) TD-RRH-8X20	B	From Leg	3.000	0.0000	158.000	No Ice	0.583	0.583	0.070
(Sprint)			0.000			1/2" Ice	0.681	0.681	0.077
			0.000			1" Ice	0.787	0.787	0.086
(2) TD-RRH-8X20	C	From Leg	3.000	0.0000	158.000	No Ice	0.583	0.583	0.070
(Sprint)			0.000			1/2" Ice	0.681	0.681	0.077
			0.000			1" Ice	0.787	0.787	0.086
(3) RET Kit	A	From Leg	3.000	0.0000	158.000	No Ice	0.208	0.208	0.005
(Sprint)			0.000			1/2" Ice	0.268	0.268	0.008
			0.000			1" Ice	0.334	0.334	0.012
(3) RET Kit	B	From Leg	3.000	0.0000	158.000	No Ice	0.208	0.208	0.005
(Sprint)			0.000			1/2" Ice	0.268	0.268	0.008
			0.000			1" Ice	0.334	0.334	0.012
(3) RET Kit	C	From Leg	3.000	0.0000	158.000	No Ice	0.208	0.208	0.005
(Sprint)			0.000			1/2" Ice	0.268	0.268	0.008
			0.000			1" Ice	0.334	0.334	0.012

Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral Vert ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft		Aperture Area ft²	Weight K
*** Sprint existing ***											
(2) 26" Dish (Sprint)	C	Paraboloid w/o Radome	From Leg	3.000 0.000 0.000	0.0000		158.000	2.167	No Ice 1/2" Ice 1" Ice	3.690 3.980 4.270	0.090 0.110 0.130

Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice
3	0.9 Dead+1.0 Wind 0 deg - No Ice
4	1.2 Dead+1.0 Wind 30 deg - No Ice
5	0.9 Dead+1.0 Wind 30 deg - No Ice
6	1.2 Dead+1.0 Wind 60 deg - No Ice
7	0.9 Dead+1.0 Wind 60 deg - No Ice
8	1.2 Dead+1.0 Wind 90 deg - No Ice
9	0.9 Dead+1.0 Wind 90 deg - No Ice
10	1.2 Dead+1.0 Wind 120 deg - No Ice
11	0.9 Dead+1.0 Wind 120 deg - No Ice
12	1.2 Dead+1.0 Wind 150 deg - No Ice
13	0.9 Dead+1.0 Wind 150 deg - No Ice
14	1.2 Dead+1.0 Wind 180 deg - No Ice
15	0.9 Dead+1.0 Wind 180 deg - No Ice
16	1.2 Dead+1.0 Wind 210 deg - No Ice
17	0.9 Dead+1.0 Wind 210 deg - No Ice
18	1.2 Dead+1.0 Wind 240 deg - No Ice
19	0.9 Dead+1.0 Wind 240 deg - No Ice
20	1.2 Dead+1.0 Wind 270 deg - No Ice
21	0.9 Dead+1.0 Wind 270 deg - No Ice
22	1.2 Dead+1.0 Wind 300 deg - No Ice
23	0.9 Dead+1.0 Wind 300 deg - No Ice
24	1.2 Dead+1.0 Wind 330 deg - No Ice
25	0.9 Dead+1.0 Wind 330 deg - No Ice
26	1.2 Dead+1.0 Ice+1.0 Temp
27	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp
28	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp
29	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp
30	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp
31	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp
32	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp
33	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp
34	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp
35	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp
36	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp
37	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp
38	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp
39	Dead+Wind 0 deg - Service

Comb. No.	Description
40	Dead+Wind 30 deg - Service
41	Dead+Wind 60 deg - Service
42	Dead+Wind 90 deg - Service
43	Dead+Wind 120 deg - Service
44	Dead+Wind 150 deg - Service
45	Dead+Wind 180 deg - Service
46	Dead+Wind 210 deg - Service
47	Dead+Wind 240 deg - Service
48	Dead+Wind 270 deg - Service
49	Dead+Wind 300 deg - Service
50	Dead+Wind 330 deg - Service

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	158 - 131	Pole	Max Tension	26	0.000	-0.000	-0.001
			Max. Compression	26	-23.234	3.206	21.091
			Max. Mx	8	-10.942	-320.050	21.262
			Max. My	2	-11.148	-14.894	306.667
			Max. Vy	8	25.050	-320.050	21.262
			Max. Vx	2	-24.929	-14.894	306.667
			Max. Torque	21			-24.901
L2	131 - 93.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-32.916	3.325	21.504
			Max. Mx	8	-18.821	-1377.766	41.728
			Max. My	2	-19.286	-42.222	1278.663
			Max. Vy	8	33.581	-1377.766	41.728
			Max. Vx	2	-28.833	-42.222	1278.663
			Max. Torque	21			-24.890
L3	93.25 - 46.3333	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-50.837	3.394	21.384
			Max. Mx	8	-34.255	-3082.880	65.987
			Max. My	2	-34.565	-76.076	2708.695
			Max. Vy	8	41.623	-3082.880	65.987
			Max. Vx	2	-34.700	-76.076	2708.695
			Max. Torque	21			-24.836
L4	46.3333 - 1	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-79.187	3.394	20.670
			Max. Mx	8	-59.169	-5485.602	93.218
			Max. My	2	-59.177	-114.904	4722.239
			Max. Vy	8	49.197	-5485.602	93.218
			Max. Vx	2	-41.546	-114.904	4722.239
			Max. Torque	21			-24.800

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	26	79.187	-0.000	-0.001
	Max. H_x	20	59.197	38.820	-0.186
	Max. H_z	3	44.398	-0.724	41.518

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
	Max. M_x	2	4722.239	-0.724	41.517
	Max. M_z	8	5485.602	-49.164	0.510
	Max. Torsion	7	22.534	-33.956	21.014
	Min. Vert	3	44.398	-0.724	41.518
	Min. H_x	8	59.197	-49.164	0.510
	Min. H_z	15	44.398	0.237	-41.344
	Min. M_x	14	-4670.295	0.237	-41.344
	Min. M_z	20	-4333.615	38.820	-0.186
	Min. Torsion	21	-24.790	38.820	-0.186

Tower Mast Reaction Summary

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
Dead Only	49.331	0.000	0.001	-9.698	1.027	-0.001
1.2 Dead+1.0 Wind 0 deg - No Ice	59.197	0.724	-41.517	-4722.239	-114.904	-1.218
0.9 Dead+1.0 Wind 0 deg - No Ice	44.398	0.724	-41.518	-4686.762	-114.290	-1.204
1.2 Dead+1.0 Wind 30 deg - No Ice	59.197	19.951	-35.978	-4094.325	-2251.270	-13.379
0.9 Dead+1.0 Wind 30 deg - No Ice	44.398	19.951	-35.978	-4063.054	-2235.992	-13.434
1.2 Dead+1.0 Wind 60 deg - No Ice	59.197	33.956	-21.014	-2407.533	-3804.403	-22.426
0.9 Dead+1.0 Wind 60 deg - No Ice	44.398	33.956	-21.014	-2387.854	-3778.481	-22.534
1.2 Dead+1.0 Wind 90 deg - No Ice	59.197	49.164	-0.510	-93.215	-5485.602	-19.511
0.9 Dead+1.0 Wind 90 deg - No Ice	44.398	49.164	-0.510	-89.456	-5448.953	-19.671
1.2 Dead+1.0 Wind 120 deg - No Ice	59.197	33.879	20.133	2243.086	-3793.116	-21.201
0.9 Dead+1.0 Wind 120 deg - No Ice	44.398	33.879	20.133	2230.764	-3767.294	-21.326
1.2 Dead+1.0 Wind 150 deg - No Ice	59.197	19.151	35.621	4014.086	-2123.725	-11.214
0.9 Dead+1.0 Wind 150 deg - No Ice	44.398	19.151	35.621	3989.497	-2109.503	-11.294
1.2 Dead+1.0 Wind 180 deg - No Ice	59.197	-0.237	41.344	4670.295	38.482	1.786
0.9 Dead+1.0 Wind 180 deg - No Ice	44.398	-0.237	41.344	4641.198	37.851	1.769
1.2 Dead+1.0 Wind 210 deg - No Ice	59.197	-19.571	35.967	4068.777	2192.240	14.203
0.9 Dead+1.0 Wind 210 deg - No Ice	44.398	-19.571	35.967	4043.746	2176.823	14.255
1.2 Dead+1.0 Wind 240 deg - No Ice	59.197	-33.772	20.908	2366.584	3777.146	22.432
0.9 Dead+1.0 Wind 240 deg - No Ice	44.398	-33.772	20.908	2353.255	3750.822	22.539
1.2 Dead+1.0 Wind 270 deg - No Ice	59.197	-38.820	0.186	17.091	4333.615	24.656
0.9 Dead+1.0 Wind 270 deg - No Ice	44.398	-38.820	0.186	19.962	4303.457	24.790
1.2 Dead+1.0 Wind 300 deg -	59.197	-33.483	-20.467	-2321.131	3731.696	20.652

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
No Ice 0.9 Dead+1.0 Wind 300 deg - No Ice	44.398	-33.483	-20.467	-2302.144	3705.715	20.777
1.2 Dead+1.0 Wind 330 deg - No Ice	59.197	-19.160	-35.616	-4037.152	2127.759	11.211
0.9 Dead+1.0 Wind 330 deg - No Ice	44.398	-19.160	-35.616	-4006.338	2112.838	11.293
1.2 Dead+1.0 Ice+1.0 Temp	79.187	0.000	0.001	-20.670	3.394	-0.006
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	79.187	0.134	-10.073	-1133.145	-18.590	-0.279
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	79.187	4.830	-8.726	-984.455	-525.175	-2.989
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	79.187	8.255	-5.082	-584.429	-894.011	-4.987
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	79.187	10.281	-0.094	-36.255	-1128.573	-4.845
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	79.187	8.243	4.920	516.062	-892.241	-4.709
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	79.187	4.683	8.661	932.037	-501.249	-2.503
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	79.187	-0.042	10.039	1085.618	10.206	0.377
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	79.187	-4.758	8.724	942.207	520.161	3.136
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	79.187	-8.220	5.062	539.200	895.135	4.977
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	79.187	-9.460	0.033	-15.781	1027.935	5.483
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	79.187	-8.168	-4.983	-568.448	886.746	4.594
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	79.187	-4.685	-8.660	-973.791	508.417	2.491
Dead+Wind 0 deg - Service	49.331	0.149	-8.558	-977.222	-22.787	-0.253
Dead+Wind 30 deg - Service	49.331	4.112	-7.415	-848.186	-461.444	-2.790
Dead+Wind 60 deg - Service	49.331	7.000	-4.332	-501.886	-780.420	-4.675
Dead+Wind 90 deg - Service	49.331	10.134	-0.105	-26.659	-1126.084	-4.088
Dead+Wind 120 deg - Service	49.331	6.983	4.150	453.028	-777.976	-4.420
Dead+Wind 150 deg - Service	49.331	3.947	7.342	816.669	-435.262	-2.341
Dead+Wind 180 deg - Service	49.331	-0.049	8.522	951.475	8.694	0.369
Dead+Wind 210 deg - Service	49.331	-4.034	7.413	827.920	450.931	2.959
Dead+Wind 240 deg - Service	49.331	-6.961	4.309	478.377	776.309	4.674
Dead+Wind 270 deg - Service	49.331	-8.002	0.038	-4.009	890.640	5.137
Dead+Wind 300 deg - Service	49.331	-6.902	-4.219	-484.128	767.053	4.304
Dead+Wind 330 deg - Service	49.331	-3.949	-7.341	-836.410	437.667	2.339

Solution Summary

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX K	PY K	PZ K	PX K	PY K	PZ K	% Error
1	0.000	-49.331	0.000	-0.000	49.331	-0.001	0.003%
2	0.724	-59.197	-41.520	-0.724	59.197	41.517	0.004%
3	0.724	-44.398	-41.520	-0.724	44.398	41.518	0.003%
4	19.951	-59.197	-35.978	-19.951	59.197	35.978	0.000%
5	19.951	-44.398	-35.978	-19.951	44.398	35.978	0.000%
6	33.956	-59.197	-21.014	-33.956	59.197	21.014	0.000%
7	33.956	-44.398	-21.014	-33.956	44.398	21.014	0.000%
8	49.164	-59.197	-0.510	-49.164	59.197	0.510	0.000%

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX K	PY K	PZ K	PX K	PY K	PZ K	% Error
9	49.164	-44.398	-0.510	-49.164	44.398	0.510	0.000%
10	33.879	-59.197	20.133	-33.879	59.197	-20.133	0.000%
11	33.879	-44.398	20.133	-33.879	44.398	-20.133	0.000%
12	19.151	-59.197	35.622	-19.151	59.197	-35.621	0.000%
13	19.151	-44.398	35.622	-19.151	44.398	-35.621	0.000%
14	-0.237	-59.197	41.345	0.237	59.197	-41.344	0.001%
15	-0.237	-44.398	41.345	0.237	44.398	-41.344	0.001%
16	-19.571	-59.197	35.967	19.571	59.197	-35.967	0.000%
17	-19.571	-44.398	35.967	19.571	44.398	-35.967	0.000%
18	-33.772	-59.197	20.908	33.772	59.197	-20.908	0.000%
19	-33.772	-44.398	20.908	33.772	44.398	-20.908	0.000%
20	-38.820	-59.197	0.186	38.820	59.197	-0.186	0.000%
21	-38.820	-44.398	0.186	38.820	44.398	-0.186	0.000%
22	-33.483	-59.197	-20.467	33.483	59.197	20.467	0.000%
23	-33.483	-44.398	-20.467	33.483	44.398	20.467	0.000%
24	-19.160	-59.197	-35.616	19.160	59.197	35.616	0.000%
25	-19.160	-44.398	-35.616	19.160	44.398	35.616	0.000%
26	0.000	-79.187	0.000	-0.000	79.187	-0.001	0.001%
27	0.134	-79.187	-10.073	-0.134	79.187	10.073	0.000%
28	4.830	-79.187	-8.726	-4.830	79.187	8.726	0.000%
29	8.255	-79.187	-5.082	-8.255	79.187	5.082	0.000%
30	10.281	-79.187	-0.094	-10.281	79.187	0.094	0.000%
31	8.243	-79.187	4.920	-8.243	79.187	-4.920	0.000%
32	4.683	-79.187	8.662	-4.683	79.187	-8.661	0.000%
33	-0.042	-79.187	10.040	0.042	79.187	-10.039	0.001%
34	-4.758	-79.187	8.724	4.758	79.187	-8.724	0.000%
35	-8.220	-79.187	5.062	8.220	79.187	-5.062	0.000%
36	-9.460	-79.187	0.033	9.460	79.187	-0.033	0.000%
37	-8.168	-79.187	-4.984	8.168	79.187	4.983	0.000%
38	-4.685	-79.187	-8.661	4.685	79.187	8.660	0.000%
39	0.149	-49.331	-8.559	-0.149	49.331	8.558	0.003%
40	4.113	-49.331	-7.417	-4.112	49.331	7.415	0.003%
41	7.000	-49.331	-4.332	-7.000	49.331	4.332	0.001%
42	10.135	-49.331	-0.105	-10.134	49.331	0.105	0.001%
43	6.984	-49.331	4.150	-6.983	49.331	-4.150	0.003%
44	3.948	-49.331	7.343	-3.947	49.331	-7.342	0.003%
45	-0.049	-49.331	8.523	0.049	49.331	-8.522	0.003%
46	-4.035	-49.331	7.415	4.034	49.331	-7.413	0.003%
47	-6.962	-49.331	4.310	6.961	49.331	-4.309	0.003%
48	-8.003	-49.331	0.038	8.002	49.331	-0.038	0.001%
49	-6.902	-49.331	-4.219	6.902	49.331	4.219	0.001%
50	-3.950	-49.331	-7.342	3.949	49.331	7.341	0.003%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	7	0.00000001	0.00003320
2	Yes	12	0.00006127	0.00011066
3	Yes	12	0.00004217	0.00009164
4	Yes	15	0.00000001	0.00007519
5	Yes	15	0.00000001	0.00005626
6	Yes	15	0.00000001	0.00012315
7	Yes	15	0.00000001	0.00009421
8	Yes	15	0.00000001	0.00006075
9	Yes	14	0.00000001	0.00013744

10	Yes	15	0.00000001	0.00006769
11	Yes	15	0.00000001	0.00005217
12	Yes	15	0.00000001	0.00009526
13	Yes	15	0.00000001	0.00007273
14	Yes	13	0.00000001	0.00007163
15	Yes	13	0.00000001	0.00005712
16	Yes	15	0.00000001	0.00010767
17	Yes	15	0.00000001	0.00008198
18	Yes	15	0.00000001	0.00007666
19	Yes	15	0.00000001	0.00005899
20	Yes	15	0.00000001	0.00005985
21	Yes	14	0.00000001	0.00014016
22	Yes	15	0.00000001	0.00011259
23	Yes	15	0.00000001	0.00008638
24	Yes	15	0.00000001	0.00006741
25	Yes	15	0.00000001	0.00005043
26	Yes	9	0.00000001	0.00003685
27	Yes	13	0.00000001	0.00006742
28	Yes	13	0.00000001	0.00007956
29	Yes	13	0.00000001	0.00009023
30	Yes	13	0.00000001	0.00007983
31	Yes	13	0.00000001	0.00007282
32	Yes	13	0.00000001	0.00007260
33	Yes	12	0.00000001	0.00014412
34	Yes	13	0.00000001	0.00007819
35	Yes	13	0.00000001	0.00007670
36	Yes	13	0.00000001	0.00007547
37	Yes	13	0.00000001	0.00008717
38	Yes	13	0.00000001	0.00007718
39	Yes	11	0.00014698	0.00008580
40	Yes	11	0.00014683	0.00009316
41	Yes	12	0.00000001	0.00007955
42	Yes	12	0.00000001	0.00008100
43	Yes	11	0.00000001	0.00013015
44	Yes	11	0.00014605	0.00011247
45	Yes	11	0.00014615	0.00007658
46	Yes	11	0.00014620	0.00013707
47	Yes	11	0.00014648	0.00014190
48	Yes	12	0.00000001	0.00007548
49	Yes	12	0.00000001	0.00007164
50	Yes	11	0.00014681	0.00007920

Maximum Tower Deflections - Service Wind

Section No.	*Elevation* *ft*	*Horz. Deflection* *in*	*Gov. Load Comb.*	*Tilt* °	*Twist* °
L1	158 - 131	18.454	42	1.1911	0.0254
L2	135 - 93.25	12.988	42	1.0239	0.0229
L3	98.75 - 46.3333	6.444	42	0.6763	0.0080
L4	53.6666 - 1	1.747	42	0.3111	0.0024

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
158.000	(2) 26" Dish	42	18.454	1.1911	0.0254	23331
148.000	Platform w/ Handrails	42	16.005	1.1227	0.0249	11665
138.000	Appurtenance Reserve Area	42	13.657	1.0483	0.0236	5850

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	158 - 131	90.001	8	5.8381	0.1232
L2	135 - 93.25	63.310	8	4.9970	0.1110
L3	98.75 - 46.3333	31.406	8	3.2983	0.0386
L4	53.6666 - 1	8.511	8	1.5164	0.0117

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
158.000	(2) 26" Dish	8	90.001	5.8381	0.1236	4867
148.000	Platform w/ Handrails	8	78.038	5.4918	0.1209	2433
138.000	Appurtenance Reserve Area	8	66.576	5.1184	0.1144	1218

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	P_n K	Ratio $\frac{P_u}{P_n}$
L1	158 - 131 (1)	TP27.35x18.5x0.1875	27.000	157.000	205.3	15.3848	-10.942	82.470	0.133
L2	131 - 93.25 (2)	TP39.36x25.6639x0.375	41.750	157.000	142.7	44.2544	-18.821	490.712	0.038
L3	93.25 - 46.3333 (3)	TP54x36.8057x0.4375	52.417	157.000	103.7	71.0378	-34.255	1491.190	0.023
L4	46.3333 - 1 (4)	TP68x50.7195x0.4735	52.667	157.000	78.6	101.485 0	-59.169	3300.490	0.018

Pole Bending Design Data

Section No.	Elevation ft	Size	M_{ux} kip-ft	M_{nx} kip-ft	Ratio $\frac{M_{ux}}{M_{nx}}$	M_{uy} kip-ft	M_{ny} kip-ft	Ratio $\frac{M_{uy}}{M_{ny}}$
L1	158 - 131 (1)	TP27.35x18.5x0.1875	320.755	542.710	0.591	0.000	542.710	0.000
L2	131 - 93.25 (2)	TP39.36x25.6639x0.375	1378.400	2482.525	0.555	0.000	2482.525	0.000
L3	93.25 - 46.3333 (3)	TP54x36.8057x0.4375	3083.583	5243.908	0.588	0.000	5243.908	0.000
L4	46.3333 - 1 (4)	TP68x50.7195x0.4735	5486.392	9229.000	0.594	0.000	9229.000	0.000

Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V_u K	V_n K	Ratio $\frac{V_u}{V_n}$	Actual T_u kip-ft	T_n kip-ft	Ratio $\frac{T_u}{T_n}$
L1	158 - 131 (1)	TP27.35x18.5x0.1875	25.057	270.003	0.093	23.818	611.270	0.039
L2	131 - 93.25 (2)	TP39.36x25.6639x0.375	33.586	776.664	0.043	20.386	2528.900	0.008
L3	93.25 - 46.3333 (3)	TP54x36.8057x0.4375	41.627	1246.710	0.033	19.528	5585.367	0.003
L4	46.3333 - 1 (4)	TP68x50.7195x0.4735	49.200	1781.060	0.028	19.511	10532.500	0.002

Pole Interaction Design Data

Section No.	Elevation ft	Ratio $\frac{P_u}{P_n}$	Ratio $\frac{M_{ux}}{M_{nx}}$	Ratio $\frac{M_{uy}}{M_{ny}}$	Ratio $\frac{V_u}{V_n}$	Ratio $\frac{T_u}{T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	158 - 131 (1)	0.133	0.591	0.000	0.093	0.039	0.741 ✔	1.000	4.8.2 ✔
L2	131 - 93.25 (2)	0.038	0.555	0.000	0.043	0.008	0.596 ✔	1.000	4.8.2 ✔
L3	93.25 - 46.3333 (3)	0.023	0.588	0.000	0.033	0.003	0.612 ✔	1.000	4.8.2 ✔
L4	46.3333 - 1 (4)	0.018	0.594	0.000	0.028	0.002	0.613 ✔	1.000	4.8.2 ✔

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	158 - 131	Pole	TP27.35x18.5x0.1875	1	-10.942	82.470	74.1	Pass
L2	131 - 93.25	Pole	TP39.36x25.6639x0.375	2	-18.821	490.712	59.6	Pass
L3	93.25 - 46.3333	Pole	TP54x36.8057x0.4375	3	-34.255	1491.190	61.2	Pass
L4	46.3333 - 1	Pole	TP68x50.7195x0.4735	4	-59.169	3300.490	61.3	Pass
						Summary		
						Pole (L1)	74.1	Pass
						RATING =	**74.1**	**Pass**

Base/Flange Plate	Plate Type	***Baseplate***	
	Pole Diameter	68	in
	Pole Thickness	0.4735	in
	Plate Diameter	82	in
	Plate Thickness	3	in
	Plate Fy	50	ksi
	Weld Length	0.3125	in
	ϕ_s Resistance	600.83	k-in
	Applied	231.69	k-in
Stiffeners	#	***0***	

Bolts	#	***36***	
	Bolt Circle	76	in
	(R)adial / (S)quare	R	
	Diameter	2.25	in
	Hole Diameter	2.64	in
	Type	A615-75	
	Fy	75	ksi
	Fu	100	ksi
	ϕ_s Resistance	259.82	k
	Applied	97.86	k
Reinforcement	#	***0***	
Extra Bolts O	#	***0***	

Code Rev.	***H***	**Date**	12/16/2021
		Engineer	MH
		Site #	US-CT-5019
Moment	5486.4 k-ft	**Carrier**	Verizon
Axial	59.2 k		
Shear	49.2 k		

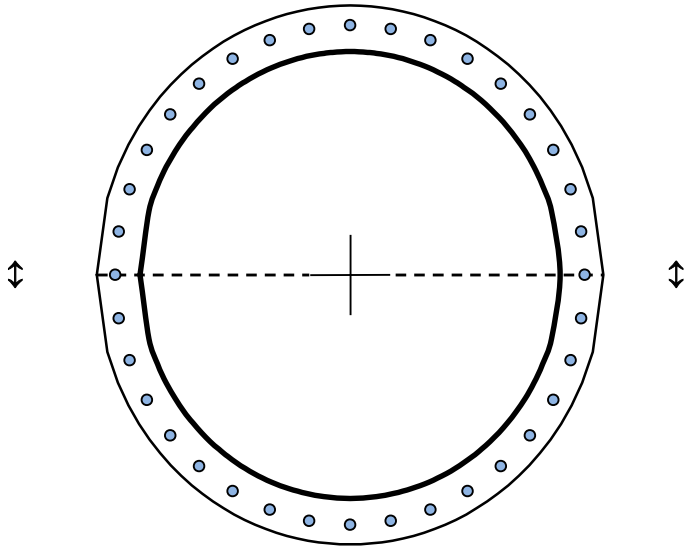


Plate Stress Ratio:

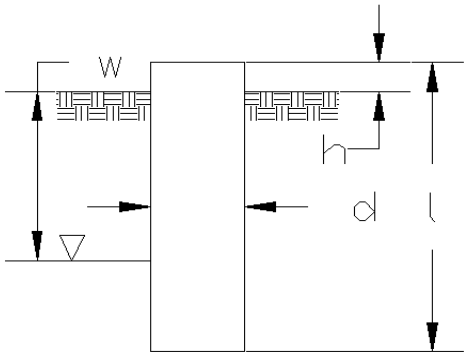
0.39 (Pass)

Bolt Stress Ratio:

0.38 (Pass)

Site Name:
Site Number:
Engineer:
Engineering Number: Rev 1
Date:

Program Last Updated:
Bennett & Pless Inc.



Design Base Loads (Factored) - Analysis per TIA-222- Standards

Analyze or Design a Foundation?	Analyze	
Foundation Mapped:		
Moment (M):	5486.4	k-ft
Shear/Leg (V):	49.2	k
Axial Load (P):	59.2	k
Uplift/Leg (U):	0.0	k
Tower Type (GT / SST / MP):		
Diameter of Caisson (d):	8.0	ft
Caisson Embedment (L-h):	47.0	ft
Caisson Height Above Ground (h):	1.0	ft
Depth Below Ground Surface to Water Table (w):	15.0	ft
Unit Weight of Concrete:	150.0	pcf
Unit Weight of Water:	62.4	pcf
Tension Skin Friction/Compression Skin Friction:		
Pullout Angle:	30.0	degrees

Engineer Notes

Soil Mechanical Properties

Depth (ft) Bottom	γ_{Soil} (pcf)	Cohesion (psf)	ϕ (degree)	Ultimate Skin Friction (psf)	Ultimate Bearing Pressure (psf)

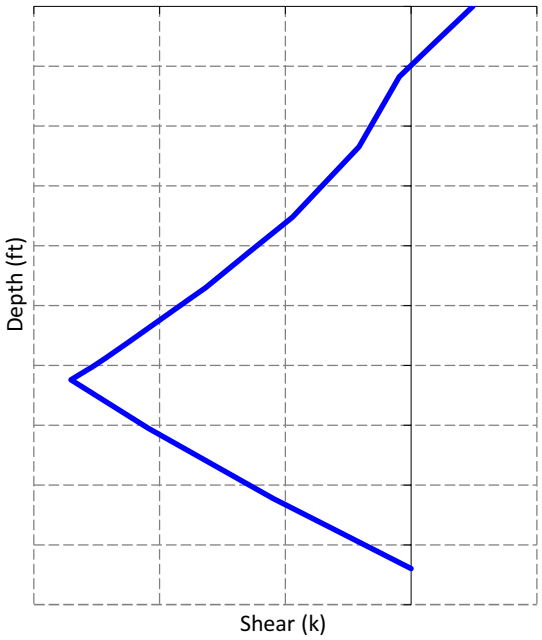
Required Embedment:	ft - OK, Caisson Embedment Satisfactory	
Volume of Concrete:	2412.7 ft = 89.4 yd	
Weight of Concrete (Buoyancy Effect Considered):	261.5	k
Average Soil Unit Weight:	77.2	pcf
Skin Friction Resistance:	0.0	k
Compressive Bearing Resistance:	603.2	k
Pullout Weight (Minus Concrete Weight):	4032.5	k
Nominal Uplift Capacity per Leg (ϕ_s n	196.2	k
Nominal Compressive Capacity per Leg (ϕ_s n	452.4	k
u	145.3	k
u ϕ_s n	0.00	Result: OK
u ϕ_s n	0.32	Result: OK
Total Lateral Resistance:	5978.1	k
Inflection Point (Below Ground Surface):	31.2	ft
Design Overturning Moment At Inflection Point (M	7071.5	k-ft
Nominal Moment Capacity (ϕ_s n	43302.9	k-ft
ϕ_s n	0.16	Result: OK

ϕ_s

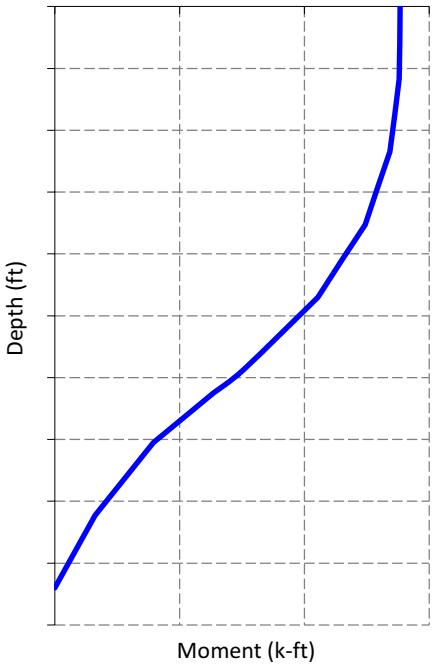
Caisson Strength Capacity

Concrete Compressive Strength (f'_c	4000	psi
Vertical Steel Rebar Size #:		
Vertical Steel Rebar Area:	0.79	in
Required # of Vertical Rebar to Satisfy Reinforcement Strength:		
# of Vertical Steel Rebars:		
Vertical Steel Rebar Yield Strength (F_y	60	ksi
Horizontal Tie / Stirrup Size #:		
Horizontal Tie / Stirrup Area:	0.31	in
Required Horizontal Tie / Stirrup Spacing:	12.0	in
Design Horizontal Tie / Stirrup Spacing:		in
Horizontal Tie / Stirrup Steel Yield Strength (F_y	60	ksi
Rebar Cage Diameter:	88.0	in
Strength Bending/Tension Reduction Factor (ϕ		
Strength Shear Reduction Factor (ϕ		
Strength Compression Reduction Factor (ϕ		
Steel Elastic Modulus:	29000	ksi
Maximum Allowable Strain in Rebar:		
Design Moment (M_u	5535.6	k-ft
Nominal Moment Capacity (ϕ $_n$	8845.8	k-ft - ACI318-14 - 22.2
$_u$ ϕ $_n$	0.63	Result: OK
Design Shear (V_u	270.6	k
Nominal Shear Capacity (ϕ $_n$	689.5	k - ACI318-14 - 22.5.5 or 22.5.10.5.3
$_u$ ϕ $_n$	0.39	Result: OK
Design Tension (T_u	0.0	k
Nominal Tension Capacity (ϕ $_n$	2474.3	k - ACI318-14 - 22.2
$_u$ ϕ $_n$	0.00	Result: OK
Design Compression (P_u	145.3	k
Nominal Compression Capacity (ϕ $_n$	12716.2	k - ACI318-14 - 22.4.2
$_u$ ϕ $_n$	0.01	Result: OK
Bending Reinforcement Ratio:		
$_u$ ϕ $_n$ $_u$ ϕ $_n$	0.63	Result: OK

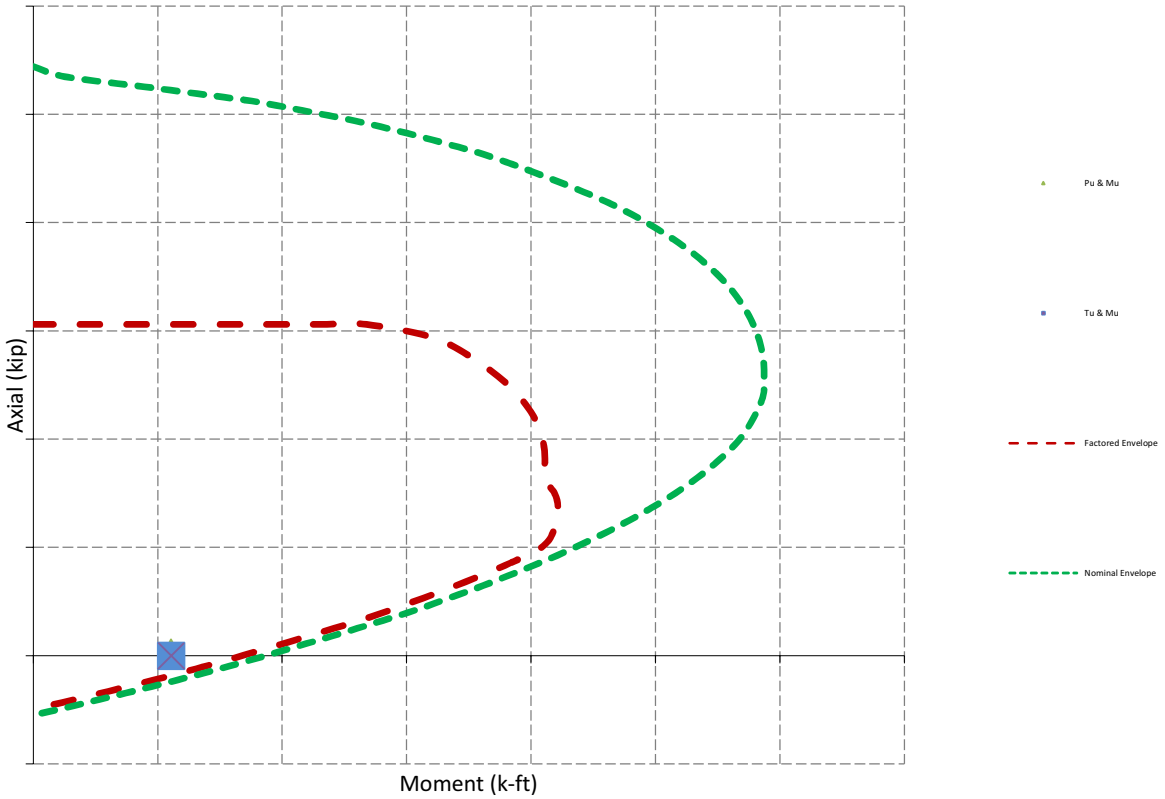
Design Factored Shear / Depth



Design Factored Moment / Depth



Nominal and Factored Moment Capacity and Factored Design Loads



Attachment 2:
Collocation Application

COLOCATION APPLICATION
US-CT-5019
Version 1
Cellco Partnership d/b/a Verizon Wireless

Vertical Bridge REIT, LLC.
750 Park of Commerce Drive
Suite 200
Boca Raton, FL 33487

SUMMARY

PRIMARY INFO

Application #: P-018888
Application Version: 1 (Submitted: 11/19/2021 5:28:00 PM)
Application Type: Broadband
Application Name: Verizon Wireless - Fuze #: 16227592 -
Lease Type: Amendment
Description:
Installing (3) new antennas.

VERTICAL BRIDGE SITE INFO

VB Site #: US-CT-5019
VB Site Name: CT54XC773
Latitude: 41.44945277
Longitude: -72.90468333
Structure Type: Monopole
Structure Height: 160.0000
Site Address: 150 Willow Street -
HAMDEN, CT 6401

VERTICAL BRIDGE DEAL TEAM

RLM: Floyd Jenkins
FJenkins@verticalbridge.com
(301) 667-0069

RLS: Sam Bowden
SBowden@verticalbridge.com

ROM: Joe Bascelli
JBascelli@verticalbridge.com
(484) 288-9586

TENANT LEGAL INFO

Tenant Legal Name: Cellco Partnership d/b/a Verizon Wireless
State of Registration: Delaware
Type of Entity: Corp
Carrier NOC #: 8008374966
Tenant Site #: 467707
Tenant Site Name: Hamden_North_2_CT

APPLICANT

Name: Aidan Griffin
Address 750 W Center St.
Ste. 301
West Bridgewater, MA 02379-____
Phone Number:: (617) 838-6796
Email Address: agriffin@clinellc.com

FINAL LEASED RIGHTS CONFIGURATION TOTALS

This is a summary of your remaining existing equipment plus the new equipment.

FINAL EQUIPMENT

Qty	Equipment Type
2	Junction Box
3	Diplexer
6	RRU

FINAL LINES

Qty	Line Type
2	Hybrid
12	Coax

Vertical Bridge REIT, LLC.
750 Park of Commerce Drive
Suite 200
Boca Raton, FL 33487

Qty	Equipment Type
15	Panel

FREQUENCY & TECHNOLOGY INFO

Type of Technology: Broadband Wireless

Is TX Frequency Licensed: Yes

TX Frequency: WQJQ689 - 776-787; KNKA313 - 869-880; 890-891.5; WQEM953 - 1975-1980; KNLH262 - 1970-1975; WQGB280 - 2110-2120; WQGA906 - 2120-2130

Is RX Frequency Licensed: Yes

RX Frequency: WQJQ689 - 746-757; KNKA313 - 824-835; 845-846.5; WQEM953 - 1895-1900; KNLH262 - 1890-1895; WQGB280 - 1710-1720; WQGA906 - 1720-1730

MOUNT & STRUCTURAL ANALYSIS

MOUNT ANALYSIS

Provided by Tenant: Yes

To Be Run by VB:

Include Mount Mapping:

STRUCTURAL HARD COPIES

Required: No

Number of Hard Copies

CONTACTS

INVOICE CONTACT

Attention To	Name	Address	Phone Number 1	Phone Number 2	Email 1	Email 2
Alex Tyurin	Aleksey Tyurin	20 Alexander Drive Wallingford, CT 06492	(860) 550-3195		alex.tyurin@verizonwireless.com	

PO CONTACT

Name	Phone Number	Email
Aidan Griffin	(617) 838-6796	agriffin@clinellc.com

LEASING CONTACT

Name	Phone Number	Email
Aleksey Tyurin	(860) 550-3195	alex.tyurin@verizonwireless.com

LINE & EQUIPMENT

EXISTING LINE(S)

Qty	Line Type	Line Diameter(in.)	Line Location	Comments	Remain
2	Hybrid	1.98	Interior		Yes

12	Coax	1.98	Interior		Yes

EXISTING EQUIPMENT

Qty	Equipment Type	RAD Height	Mount (H')	Mount Type	Manufacturer	Model Number	Dimensions (H"xW"xD")	Weight (Lbs.)	Azimuth	Comments	Remain
6	Panel	147.00	147.00	Platform (Handrail)	Commscope	JAHH-65B-R3R	72.00 x 13.80 x 8.20	63.30	30, 170, 270		Yes
6	Panel	147.00	147.00	Platform (Handrail)	Antel	LPA-800804CF	47.20 x 13.20 x 5.50	12.00	30, 170, 270		Yes
3	RRU	147.00	147.00	Platform (Handrail)	Samsung	RFV01U-D1A	14.90 x 14.90 x 10.03	84.40	30, 170, 270		Yes
3	RRU	147.00	147.00	Platform (Handrail)	Samsung	RFV01U-D2A	14.90 x 14.90 x 8.10	70.30	30, 170, 270		Yes
2	Junction Box	147.00	147.00	Platform (Handrail)	RFS	DB-T1-6Z-8AB-0Z	24.00 x 24.00 x 10.00	44.00	30, 170, 270		Yes
3	Diplexer	147.00	147.00	Platform (Handrail)	Commscope	CBC78T-DS-43-2X	6.40 x 6.90 x 9.60	21.00	30, 170, 270		Yes

NEW EQUIPMENT

Qty	Equipment Type	RAD Height	Mount (H')	Mount Type	Manufacturer	Model Number	Dimensions (H"xW"xD")	Weight (Lbs.)	Azimuth	Comments
3	Panel	147.00	147.00	Platform (Handrail)	Samsung	MT6407-77A	35.12 x 16.06 x 5.51	87.10	30, 170, 270	

ADDITIONAL SITE REQUIREMENTS

GROUND & INTERIOR SPACE REQUIREMENTS

Requirement Type	Total Lease Area (L x W)	Cabinet Required	Cabinet Area (L x W)	Shelter Required	Shelter Pad (L x W)	Comments
No Changes	x		x		x	12' x 30' equipment shelter located within 449 square feet

GENERATOR REQUIREMENTS

Requirement Type	Fuel Type	Kilowatt Size	Pad Dimensions (L x D)	Generator Manufacturer	Fuel Tank Manufacturer	Comments
No Changes			x			

AC POWER REQUIREMENTS

Meter Type	Additional Details	Comments
Existing Tenant Meter	V, $, Amps	

BACKHAUL REQUIREMENTS

Requirement Type	Cable Type	Number Of Points Of Entry	Riser Size (Inches)	Comments
No Changes				

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

Antenna Mount Analysis Report and PMI Requirements

Mount ReAnalysis

SMART Tool Project #: 10071683
Maser Consulting Connecticut Project #: 21781085A (Rev 1)

August 10, 2021

Site Information	*Site ID:*	*467707-VZW / HAMDEN NORTH 2 CT*
	Site Name:	*HAMDEN NORTH 2 CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*150 Willow Street* *Hamden, Connecticut 06518* *New Haven County*
	Latitude:	*41.449392°*
	Longitude:	*-72.904572°*
Structure Information	*Tower Type:*	*170-Ft Monopole*
	Mount Type:	*12.50-Ft Platform*

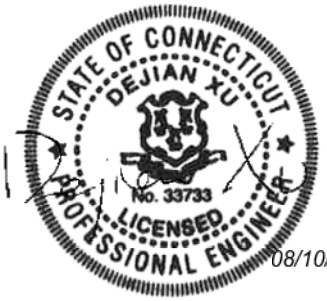
FUZE ID # 16227592

Analysis Results

Platform: **79.7% Pass**

******Contractor PMI Requirements*:**
Included at the end of this MA report
Available & Submitted via portal at https://pmi.vzwsmart.com
Contractor - Please Review Specific Site PMI Requirements Upon Award
Requirements also Noted on Mount Modification Drawings
Requirements may also be Noted on A & E drawings

Report Prepared By: Jared Adkins



08/10/2021

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: 674925, dated June 23, 2021*
Mount Mapping Report	*HighTower Solutions, Inc., Site Name: NE Hamden North 2, dated April 20, 2020*
Previous Mount Analysis Report	*Maser Consulting Connecticut Project #: 20777089A, dated July 7, 2020*
Closeout Photos	*Dated August 4, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust),	119 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	B
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.995
Seismic Parameters:	S_S:	0.201
	S_1:	0.054
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
			Amphenol Antel		Retained
			Commscope		
			Raycap		
			Commscope		
			Samsung		
			Samsung		
			Samsung		Added

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

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

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to Maser Consulting 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 Maser Consulting 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 by Maser Consulting, 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. Maser Consulting is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.

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

Discrepancies between in-field conditions and the assumptions listed above may render this analysis invalid unless explicitly approved by Maser Consulting.

Analysis Results:

Component	Utilization %	Pass/Fail
Face Horizontal		*Pass*
Support Rail		*Pass*
Antenna Pipe		*Pass*
Support Rail Angle		*Pass*
Standoff Arm		*Pass*
Cross Brace Plate		*Pass*
Cross Brace		*Pass*
Corner Plates		*Pass*
Grating Support		*Pass*
Mount Connection		*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**79.7%**

Recommendation:

The existing mount is **SUFFICIENT** for the final loading configuration and does not require modifications.

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

Attachments:

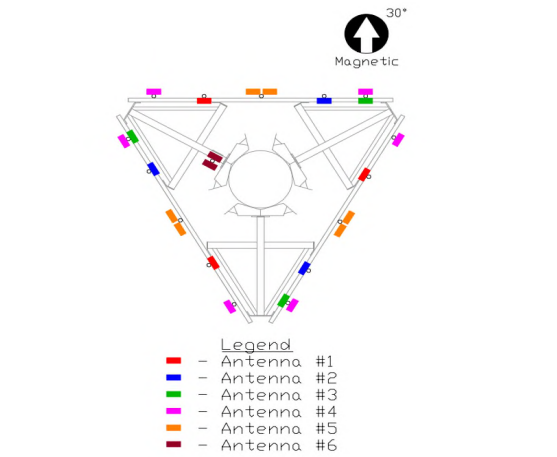
Mount Photos
Mount Mapping Report (for reference only)
Analysis Calculations
Contractor Required Post Installation Inspection (PMI) Report Deliverables
Antenna Placement Diagrams
TIA Adoption and Wind Speed Usage Letter

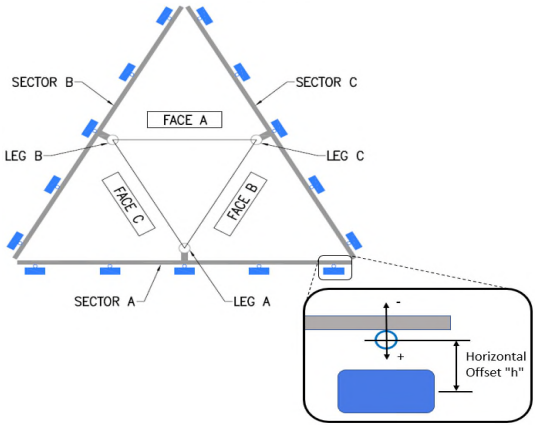
Updated on 3-03-2020

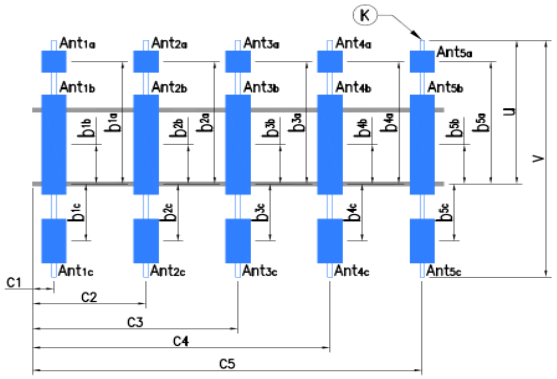
Antenna Mount Mapping Form (PATENT PENDING)

FCC #
N/A

Tower Owner:	N/A	**Mapping Date:**	4/20/2020
Site Name:	NE HAMDEN NORTH 2	**Tower Type:**	Monopole
Site Number or ID:	467707	**Tower Height (Ft.):**	N/A
Mapping Contractor:	HighTower Solutions, Inc.	**Mount Elevation (Ft.):**	147







Antenna Layout

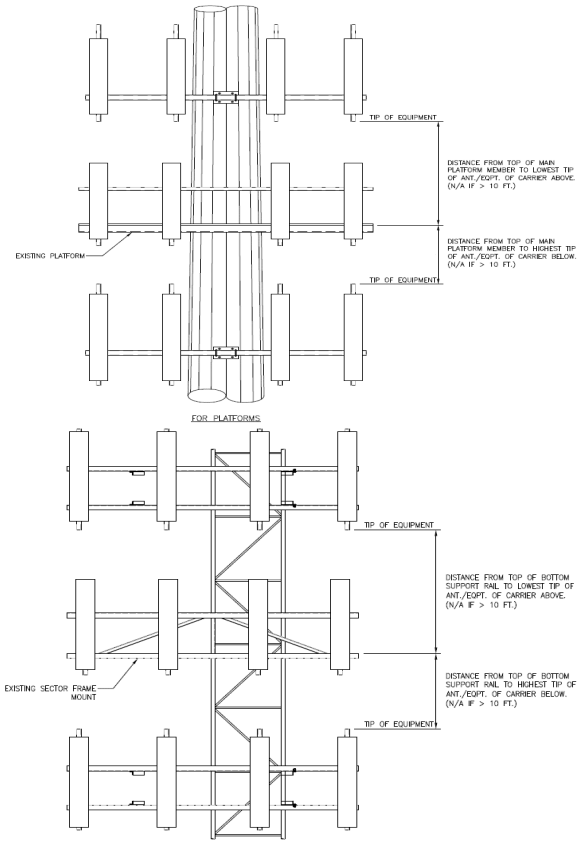
Mount Azimuth (Degree) for Each Sector and Climbing Information			
Sector A:	30.00	Deg	
Sector B:	150.00	Deg	
Sector C:	270.00	Deg	
Sector D:		Deg	
Climbing	210.00	Deg	
Climbing Facility	Corrosion Type:	Good condition.	
	Access:	N/A	
	Condition:	N/A	

Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	6'T/2.38"Dia.Pipe x.22"	54.00	16.00	C1	6'T/2.38"Dia.Pipe x.22"	54.00	16.00
A2	6'T/2.38"Dia.Pipe x.22"	54.00	39.50	C2	6'T/2.38"Dia.Pipe x.22"	54.00	39.50
A3	6'T/2.38"Dia.Pipe x.22"	56.50	75.00	C3	6'T/2.38"Dia.Pipe x.22"	56.50	75.00
A4	8'T/2.38"Dia.Pipe x.22"	78.00	107.50	C4	8'T/2.38"Dia.Pipe x.22"	78.00	107.50
A5	6'T/2.38"Dia.Pipe x.22"	54.00	136.00	C5	6'T/2.38"Dia.Pipe x.22"	54.00	136.00
A6				C6			
B1	6'T/2.38"Dia.Pipe x.22"	54.00	16.00	D1			
B2	6'T/2.38"Dia.Pipe x.22"	54.00	39.50	D2			
B3	6'T/2.38"Dia.Pipe x.22"	56.50	75.00	D3			
B4	8'T/2.38"Dia.Pipe x.22"	78.00	107.50	D4			
B5	6'T/2.38"Dia.Pipe x.22"	54.00	136.00	D5			
B6				D6			

Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.)	
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.)	
Please enter additional infomation or comments below.	
2 QTY (18"Tx15"Wx10"D) Raycap - Squid [RRFDC-3315-PF-48] (2-1 1/2") @ 149'3"Base on Squid Pipe Mount. See Sketch.	
Tower Face Width at Mount Elev. (ft.):	Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.): 22.45

Ants. Items	Enter antenna model. If not labled, enter "Unknown". Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Mounting Locations [Units are inches and degrees] Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (In.)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photos of antennas Photo Numbers
Sector A									
Ant_{1a}	N/A	12.50	7.50	14.00	2 - 1 1/2"	24.00			4829
Ant_{1b}	LPA 80080/4CF EDIN	6.00	13.50	47.00	1 - 1 5/8"	10.00	9.00	30.00	4831
Ant_{1c}									
Ant_{2a}	B13 RRH4x30	12.00	7.50	20.00	2 - 1 1/2"	21.00	-6.50		4827
Ant_{2b}									
Ant_{2c}									
Ant_{3a}									
Ant_{3b}	(2QTY) JAHH-65B-R3B	14.00	8.50	72.00	2 - 1 1/2"	18.00	13.00	30.00	4834
Ant_{3c}									
Ant_{4a}	UHIE, B66a RRH 4x45	12.00	7.00	25.00	2 - 1 1/2"	25.00	-7.00		4825
Ant_{4b}									
Ant_{4c}									
Ant_{5a}									
Ant_{5b}	LPA 80080/4CF EDIN	6.00	13.50	47.00	1 - 1 5/8"	10.00	14.00	30.00	4831
Ant_{5c}									
Sector B									
Ant_{1a}	N/A	12.50	7.50	14.00	2 - 1 1/2"	24.00			4829
Ant_{1b}	LPA 80080/4CF EDIN	6.00	13.50	47.00	1 - 1 5/8"	10.00	9.00	155.00	4831
Ant_{1c}									
Ant_{2a}	B13 RRH4x30	12.00	7.50	20.00	2 - 1 1/2"	21.00	-6.50		4827
Ant_{2b}									
Ant_{2c}									
Ant_{3a}									
Ant_{3b}	(2QTY) JAHH-65B-R3B	14.00	8.50	72.00	2 - 1 1/2"	18.00	13.00	150.00	4834
Ant_{3c}									
Ant_{4a}	UHIE, B66a RRH 4x45	12.00	7.00	25.00	2 - 1 1/2"	25.00	-7.00		4825
Ant_{4b}									
Ant_{4c}									
Ant_{5a}									
Ant_{5b}	LPA 80080/4CF EDIN	6.00	13.50	47.00	1 - 1 5/8"	10.00	14.00	155.00	4831
Ant_{5c}									



Sector C									
Ant_{1a}	N/A	12.50	7.50	14.00	2 - 1 1/2"	24.00			4829
Ant_{1b}	LPA 80080/4CF EDIN	6.00	13.50	47.00	1 - 1 5/8"	10.00	9.00	275.00	4831
Ant_{1c}									
Ant_{2a}	B13 RRH4x30	12.00	7.50	20.00	2 - 1 1/2"	21.00	-6.50		4827
Ant_{2b}									
Ant_{2c}									
Ant_{3a}									
Ant_{3b}	(2QTY) JAHH-65B-R3B	14.00	8.50	72.00	2 - 1 1/2"	18.00	13.00	270.00	4834
Ant_{3c}									
Ant_{4a}	UHIE, B66a RRH 4x45	12.00	7.00	25.00	2 - 1 1/2"	25.00	-7.00		4825
Ant_{4b}									
Ant_{4c}									
Ant_{5a}									
Ant_{5b}	LPA 80080/4CF EDIN	6.00	13.50	47.00	1 - 1 5/8"	10.00	14.00	275.00	4831
Ant_{5c}									
Sector D									
Ant_{1a}									
Ant_{1b}									
Ant_{1c}									
Ant_{2a}									
Ant_{2b}									
Ant_{2c}									
Ant_{3a}									
Ant_{3b}									
Ant_{3c}									
Ant_{4a}									
Ant_{4b}									
Ant_{4c}									
Ant_{5a}									
Ant_{5b}									
Ant_{5c}									

Observed Safety and Structural Issues During the Mount Mapping

Issue #	Description of Issue	Photo #
1	2 climbing pegs are missing.	N/A
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.

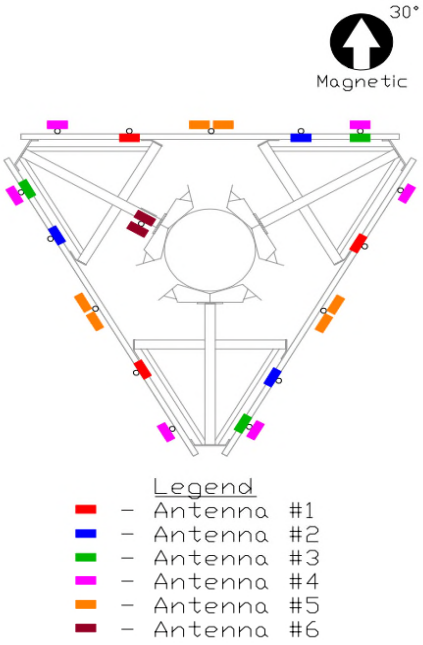
Updated on 3-03-2020

Antenna Mount Mapping Form (PATENT PENDING)

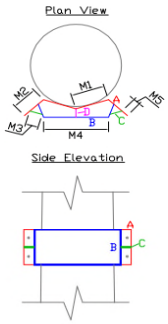
FCC #
N/A

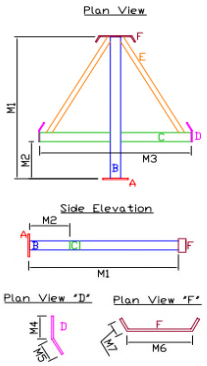
Tower Owner:	N/A	**Mapping Date:**	4/20/2020
Site Name:	NE HAMDEN NORTH 2	**Tower Type:**	Monopole
Site Number or ID:	467707	**Tower Height (Ft.):**	N/A
Mapping Contractor:	HighTower Solutions, Inc.	**Mount Elevation (Ft.):**	147

Please Insert Sketches of the Antenna Mount



Foundation A.G.L. -	2"
Antenna Measurements taken from top of -	Foundation
Monopoles - Circumference at Mount -	70.50"Circ.
Height to Bottom of Collar Mount -	147'
Height to Bottom of Side Arm -	147'
Height to Bottom of Boom -	147'
Azimuths	
Side Arm	
Alpha	330°
Beta	90°
Gamma	210°
Boom	
Alpha	30°
Beta	150°
Gamma	270°

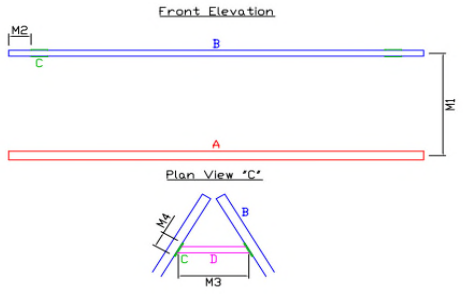


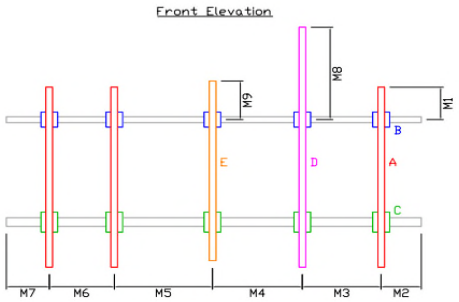


Label	Member Size	Bolt Size
A	10"Tx.50"	2-.75"All-Thread
B	10"Tx.38"Flat	Welded
C	2.75"Lx6.50"Wx.38"Flat	Welded
D	10"Tx4"Wx.38"Flat	Welded
M1	7"	
M2	8"	
M3	2.75"	
M4	10"	
M5	2.50"	

Label	Member Size	Bolt Size
A	10"Tx10"Wx.75"Flat	4-.62"
B	5'2.25"L/4"Sq.Tube x.237"	Welded
C	2'4.25"L/4"Sq.Tube x.237"	Welded
D	6"Tx.38"	Flat
E	4'4"L/2"x2"x.20"Angle	Welded
F	6"Tx.50"Flat	Welded
M1	5'2.25"	
M2	17.50"	
M3	5'.50"	
M4	3.50"	
M5	5"	
M6	12.25"	
M7	3"	

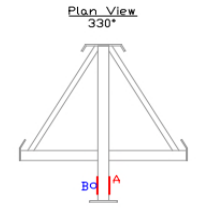
Please Insert Sketches of the Antenna Mount, cont'd

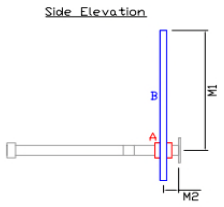




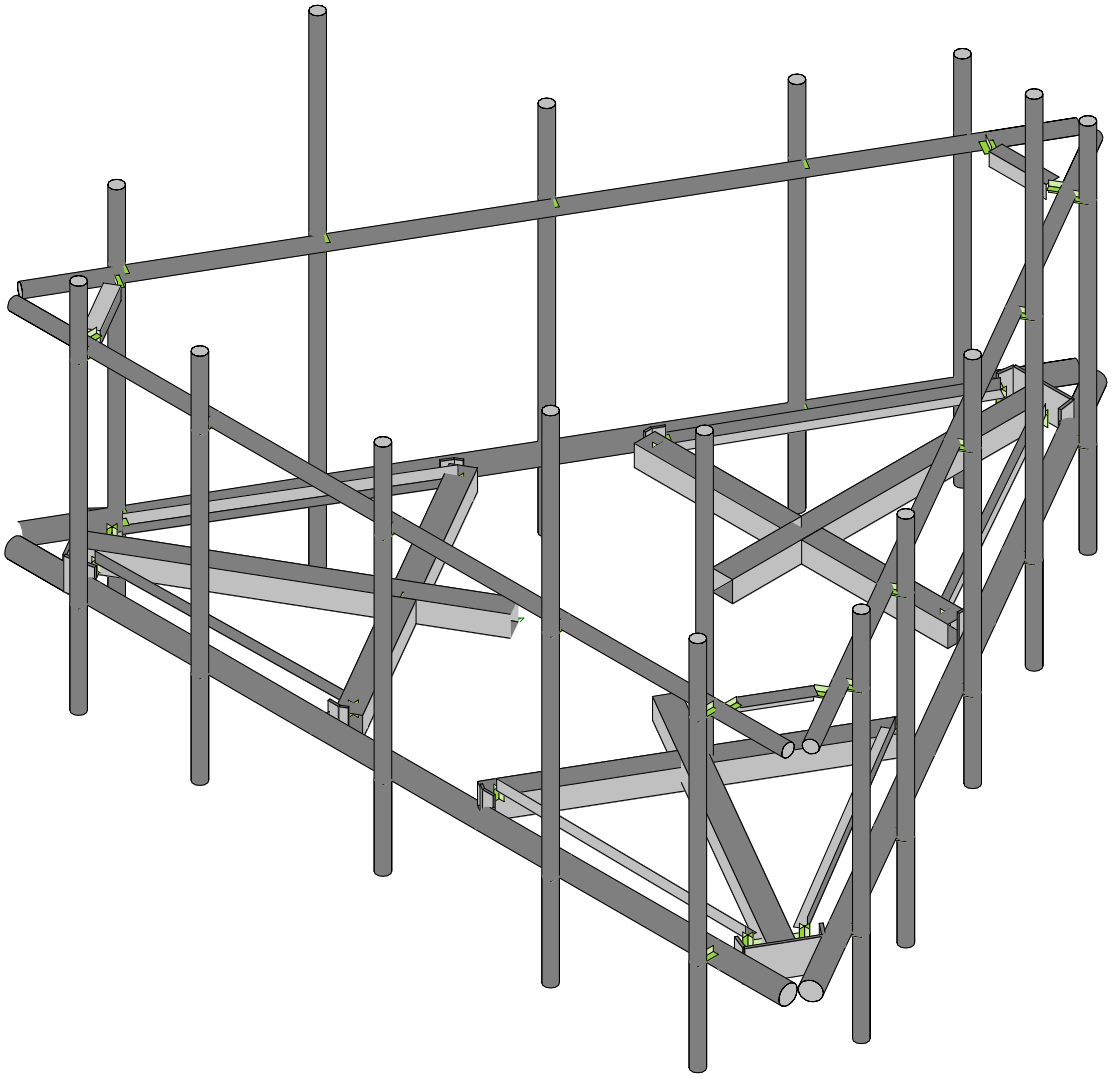
Label	Member Size	Bolt Size
A	12'6"L/3.50"Dia.Pipe x.20"	1-.50"U-Bolt
B	12'6"L/2.38"Dia.Pipe x.15"	2-.50"U-Bolt
C	6"Tx6"Wx.38"Flat	Shared w/ B
D	16.25"L/2.50"x2.50"x.25"Angle	Welded
M1	3'5"	
M2	9"	
M3	16.50"	
M4	6"	

Label	Member Size	Bolt Size
A	6'T/2.38"Dia.Pipe x.22"	2-.50"U-Bolt
B	6"Tx6"Wx.38"Flat	2-.50"U-Bolt
C	8"L/2.50"x6.25"x.25"Channel	2-.50"U-Bolt
D	8'T/2.38"Dia.Pipe x.22"	2-.50"U-Bolt
E	6'T/2.38"Dia.Pipe x.22"	2-.50"U-Bolt
M1	13"	
M2	14.50"	
M3	2'4.50"	
M4	2'8.50"	
M5	2'11.50"	
M6	23.50"	
M7	15.5"	
M8	3'1"	
M9	15.50"	

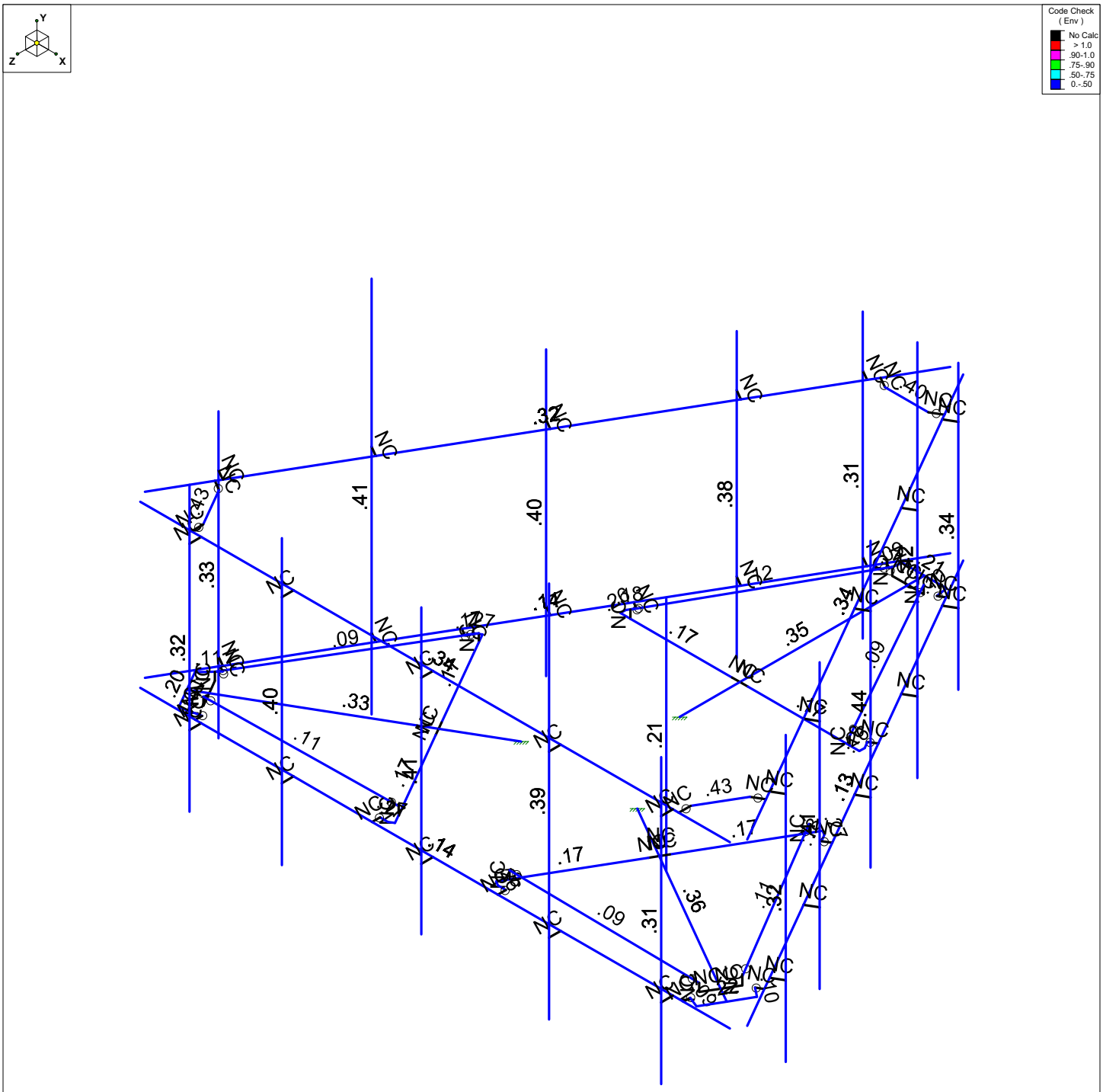




Label	Member Size	Bolt Size
A	8"Tx7"Wx.42"Flat	4-.50"U-Bolt
B	5'T/2.38"Dia.Pipe x.15"	2-.50"U-Bolt
M1	4'	
M2	5.50"	

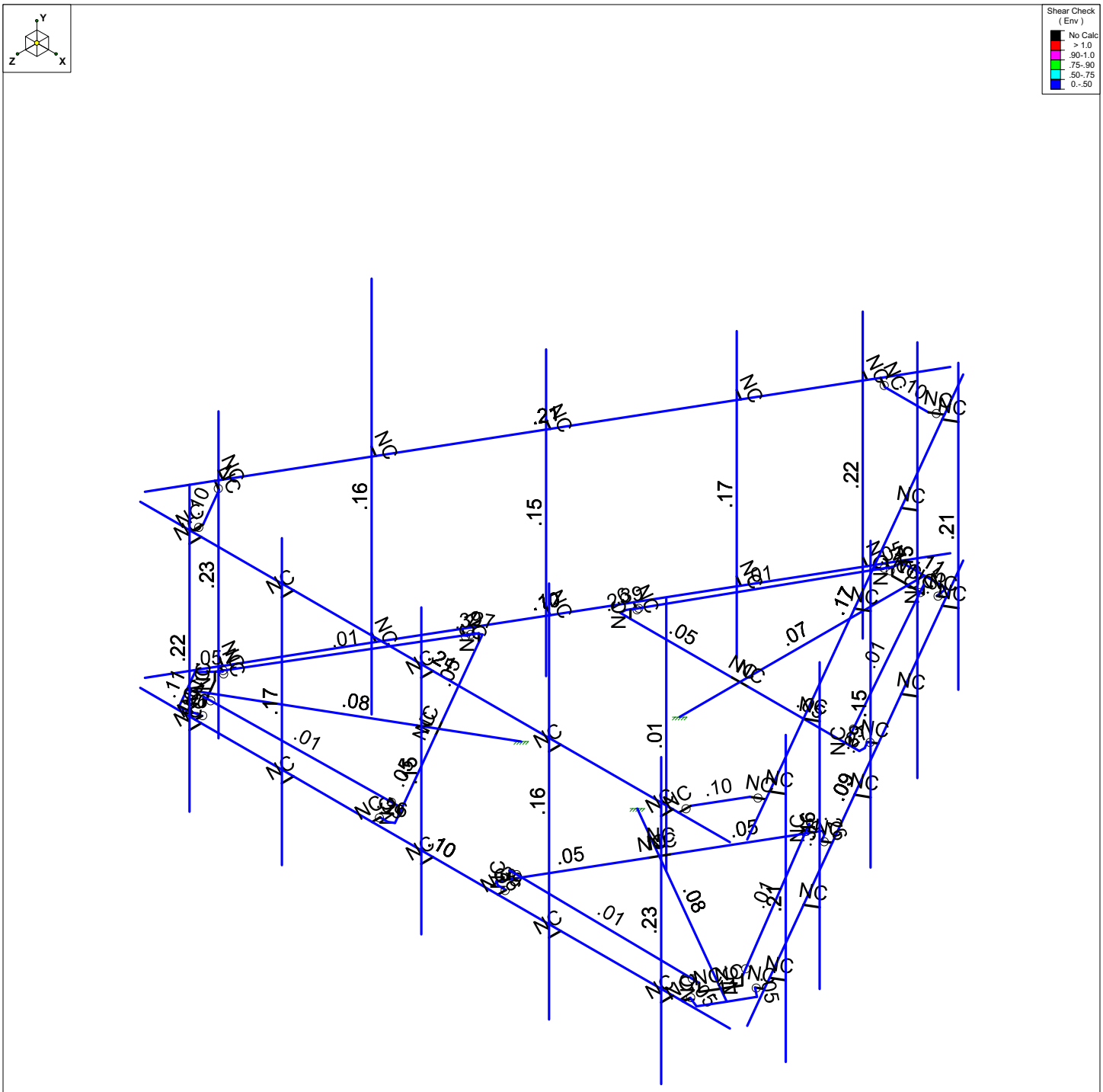


		SK - 1
		Aug 8, 2021 at 11:59 PM
		467707-VZW_MT_LO_H.r3d



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

		SK - 2
		Aug 9, 2021 at 12:00 AM
		467707-VZW_MT_LO_H.r3d



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

		SK - 3
		Aug 9, 2021 at 12:01 AM
		467707-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					120			
2	Antenna Di	None					120			
3	Antenna Wo (0 Deg)	None					120			
4	Antenna Wo (30 Deg)	None					120			
5	Antenna Wo (60 Deg)	None					120			
6	Antenna Wo (90 Deg)	None					120			
7	Antenna Wo (120 Deg)	None					120			
8	Antenna Wo (150 Deg)	None					120			
9	Antenna Wo (180 Deg)	None					120			
10	Antenna Wo (210 Deg)	None					120			
11	Antenna Wo (240 Deg)	None					120			
12	Antenna Wo (270 Deg)	None					120			
13	Antenna Wo (300 Deg)	None					120			
14	Antenna Wo (330 Deg)	None					120			
15	Antenna Wi (0 Deg)	None					120			
16	Antenna Wi (30 Deg)	None					120			
17	Antenna Wi (60 Deg)	None					120			
18	Antenna Wi (90 Deg)	None					120			
19	Antenna Wi (120 Deg)	None					120			
20	Antenna Wi (150 Deg)	None					120			
21	Antenna Wi (180 Deg)	None					120			
22	Antenna Wi (210 Deg)	None					120			
23	Antenna Wi (240 Deg)	None					120			
24	Antenna Wi (270 Deg)	None					120			
25	Antenna Wi (300 Deg)	None					120			
26	Antenna Wi (330 Deg)	None					120			
27	Antenna Wm (0 Deg)	None					120			
28	Antenna Wm (30 Deg)	None					120			
29	Antenna Wm (60 Deg)	None					120			
30	Antenna Wm (90 Deg)	None					120			
31	Antenna Wm (120 Deg)	None					120			
32	Antenna Wm (150 Deg)	None					120			
33	Antenna Wm (180 Deg)	None					120			
34	Antenna Wm (210 Deg)	None					120			
35	Antenna Wm (240 Deg)	None					120			
36	Antenna Wm (270 Deg)	None					120			
37	Antenna Wm (300 Deg)	None					120			
38	Antenna Wm (330 Deg)	None					120			
39	Structure D	None		-1					3	
40	Structure Di	None						61	3	
41	Structure Wo (0 Deg)	None						122		
42	Structure Wo (30 Deg)	None						122		
43	Structure Wo (60 Deg)	None						122		
44	Structure Wo (90 Deg)	None						122		
45	Structure Wo (120 D...	None						122		
46	Structure Wo (150 D...	None						122		
47	Structure Wo (180 D...	None						122		
48	Structure Wo (210 D...	None						122		
49	Structure Wo (240 D...	None						122		
50	Structure Wo (270 D...	None						122		
51	Structure Wo (300 D...	None						122		
52	Structure Wo (330 D...	None						122		
53	Structure Wi (0 Deg)	None						122		
54	Structure Wi (30 Deg)	None						122		
55	Structure Wi (60 Deg)	None						122		
56	Structure Wi (90 Deg)	None						122		

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						122		
58	Structure Wi (150 De...	None						122		
59	Structure Wi (180 De...	None						122		
60	Structure Wi (210 De...	None						122		
61	Structure Wi (240 De...	None						122		
62	Structure Wi (270 De...	None						122		
63	Structure Wi (300 De...	None						122		
64	Structure Wi (330 De...	None						122		
65	Structure Wm (0 Deg)	None						122		
66	Structure Wm (30 De...	None						122		
67	Structure Wm (60 De...	None						122		
68	Structure Wm (90 De...	None						122		
69	Structure Wm (120 D...	None						122		
70	Structure Wm (150 D...	None						122		
71	Structure Wm (180 D...	None						122		
72	Structure Wm (210 D...	None						122		
73	Structure Wm (240 D...	None						122		
74	Structure Wm (270 D...	None						122		
75	Structure Wm (300 D...	None						122		
76	Structure Wm (330 D...	None						122		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 39 Transient Are...	None						27		
82	BLC 40 Transient Are...	None						27		

Load Combinations

	Description	So...	P...	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
1	1.2D+1.0Wo (0 Deg)	Yes	Y		1	1.2	39	1.2	3	1	41	1												
2	1.2D+1.0Wo (30 Deg)	Yes	Y		1	1.2	39	1.2	4	1	42	1												
3	1.2D+1.0Wo (60 Deg)	Yes	Y		1	1.2	39	1.2	5	1	43	1												
4	1.2D+1.0Wo (90 Deg)	Yes	Y		1	1.2	39	1.2	6	1	44	1												
5	1.2D+1.0Wo (120 Deg)	Yes	Y		1	1.2	39	1.2	7	1	45	1												
6	1.2D+1.0Wo (150 Deg)	Yes	Y		1	1.2	39	1.2	8	1	46	1												
7	1.2D+1.0Wo (180 Deg)	Yes	Y		1	1.2	39	1.2	9	1	47	1												
8	1.2D+1.0Wo (210 Deg)	Yes	Y		1	1.2	39	1.2	10	1	48	1												
9	1.2D+1.0Wo (240 Deg)	Yes	Y		1	1.2	39	1.2	11	1	49	1												
10	1.2D+1.0Wo (270 Deg)	Yes	Y		1	1.2	39	1.2	12	1	50	1												
11	1.2D+1.0Wo (300 Deg)	Yes	Y		1	1.2	39	1.2	13	1	51	1												
12	1.2D+1.0Wo (330 Deg)	Yes	Y		1	1.2	39	1.2	14	1	52	1												
13	1.2D + 1.0Di + 1.0Wi (0 ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14	1.2D + 1.0Di + 1.0Wi (3...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1.0Di + 1.0Wi (6...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0Di + 1.0Wi (9...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0Di + 1.0Wi (1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0Di + 1.0Wi (1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0Di + 1.0Wi (1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0Di + 1.0Wi (2...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0Di + 1.0Wi (2...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di + 1.0Wi (2...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di + 1.0Wi (3...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + 1.0Wi (3...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										

Load Combinations (Continued)

	Description	So...	P...	S...	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac...
27	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1												
28	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1												
29	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1												
30	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1												
31	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1												
32	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1												
33	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1												
34	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1												
35	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1												
36	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1												
37	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1												
38	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1												
39	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1												
40	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1												
41	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1												
42	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1												
43	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1												
44	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1												
45	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1												
46	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1												
47	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1												
48	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1												
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5																
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5																
51	1.4D	Yes	Y		1	1.4	39	1.4																		
52	Seismic Mass		Y		1	1	39	1																		
53	1.2D + 1.0Ev + 1.0Eh (0...		Y		1	1.2	39	1.2	SX		SY	1	SZ	-1												
54	1.2D + 1.0Ev + 1.0Eh (3...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	-.866												
55	1.2D + 1.0Ev + 1.0Eh (6...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5												
56	1.2D + 1.0Ev + 1.0Eh (9...		Y		1	1.2	39	1.2	SX	1	SY	1	SZ													
57	1.2D + 1.0Ev + 1.0Eh (1...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	.5												
58	1.2D + 1.0Ev + 1.0Eh (1...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	.866												
59	1.2D + 1.0Ev + 1.0Eh (1...		Y		1	1.2	39	1.2	SX		SY	1	SZ	1												
60	1.2D + 1.0Ev + 1.0Eh (2...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	.866												
61	1.2D + 1.0Ev + 1.0Eh (2...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	.5												
62	1.2D + 1.0Ev + 1.0Eh (2...		Y		1	1.2	39	1.2	SX	-1	SY	1	SZ													
63	1.2D + 1.0Ev + 1.0Eh (3...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	-.5												
64	1.2D + 1.0Ev + 1.0Eh (3...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	-.866												

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	0	0	0	0	
2	N3	-6.25	0	3.76495	0	
3	N4	6.25	0	3.76495	0	
4	N6	5.25	0	3.76495	0	
5	N7	-6.25	3.416667	3.76495	0	
6	N8	6.25	3.416667	3.76495	0	
7	N9	-4.958333	0	3.76495	0	
8	N10	-4.958333	3.416667	3.76495	0	
9	N11	-3	0	3.76495	0	
10	N12	-3	3.416667	3.76495	0	
11	N13	-0.041667	0	3.76495	0	
12	N14	-0.041667	3.416667	3.76495	0	
13	N15	2.666667	0	3.76495	0	
14	N16	2.666667	3.416667	3.76495	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
15	N17	5.041667	0	3.76495	0	
16	N18	5.041667	3.416667	3.76495	0	
17	N20	-4.958333	0	4.01495	0	
18	N21	-4.958333	3.416667	4.01495	0	
19	N22	-3	0	4.01495	0	
20	N23	-3	3.416667	4.01495	0	
21	N24	-0.041667	0	4.01495	0	
22	N25	-0.041667	3.416667	4.01495	0	
23	N26	2.666667	0	4.01495	0	
24	N27	2.666667	3.416667	4.01495	0	
25	N28	5.041667	0	4.01495	0	
26	N29	5.041667	3.416667	4.01495	0	
27	N28A	-4.958333	4.5	4.01495	0	
28	N29A	-3	4.5	4.01495	0	
29	N30	5.041667	4.5	4.01495	0	
30	N31	-0.041667	4.708333	4.01495	0	
31	N32	2.666667	6.5	4.01495	0	
32	N33	-4.958333	-1.5	4.01495	0	
33	N34	-3	-1.5	4.01495	0	
34	N35	5.041667	-1.5	4.01495	0	
35	N36	-0.041667	-1.291667	4.01495	0	
36	N37	2.666667	-1.5	4.01495	0	
37	N38	-5.166667	3.416667	3.76495	0	
38	N39	5.166667	3.416667	3.76495	0	
39	N41	6.385542	0	3.530184	0	
40	N42	0.135542	0	-7.295134	0	
41	N45	6.385542	3.416667	3.530184	0	
42	N46	0.135542	3.416667	-7.295134	0	
43	N47	5.739709	0	2.411568	0	
44	N48	5.739709	3.416667	2.411568	0	
45	N49	4.760542	0	0.715601	0	
46	N50	4.760542	3.416667	0.715601	0	
47	N51	3.281376	0	-1.846391	0	
48	N52	3.281376	3.416667	-1.846391	0	
49	N53	1.927209	0	-4.191876	0	
50	N54	1.927209	3.416667	-4.191876	0	
51	N55	0.739709	0	-6.248686	0	
52	N56	0.739709	3.416667	-6.248686	0	
53	N57	5.956215	0	2.286568	0	
54	N58	5.956215	3.416667	2.286568	0	
55	N59	4.977049	0	0.590601	0	
56	N60	4.977049	3.416667	0.590601	0	
57	N61	3.497882	0	-1.971391	0	
58	N62	3.497882	3.416667	-1.971391	0	
59	N63	2.143715	0	-4.316876	0	
60	N64	2.143715	3.416667	-4.316876	0	
61	N65	0.956215	0	-6.373686	0	
62	N66	0.956215	3.416667	-6.373686	0	
63	N67	5.956215	4.5	2.286568	0	
64	N68	4.977049	4.5	0.590601	0	
65	N69	0.956215	4.5	-6.373686	0	
66	N70	3.497882	4.708333	-1.971391	0	
67	N71	2.143715	6.5	-4.316876	0	
68	N72	5.956215	-1.5	2.286568	0	
69	N73	4.977049	-1.5	0.590601	0	
70	N74	0.956215	-1.5	-6.373686	0	
71	N75	3.497882	-1.291667	-1.971391	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
72	N76	2.143715	-1.5	-4.316876	0	
73	N80	-0.135542	0	-7.295134	0	
74	N81	-6.385542	0	3.530184	0	
75	N84	-0.135542	3.416667	-7.295134	0	
76	N85	-6.385542	3.416667	3.530184	0	
77	N86	-0.781376	0	-6.176518	0	
78	N87	-0.781376	3.416667	-6.176518	0	
79	N88	-1.760542	0	-4.480551	0	
80	N89	-1.760542	3.416667	-4.480551	0	
81	N90	-3.239709	0	-1.918559	0	
82	N91	-3.239709	3.416667	-1.918559	0	
83	N92	-4.593876	0	0.426926	0	
84	N93	-4.593876	3.416667	0.426926	0	
85	N94	-5.781376	0	2.483736	0	
86	N95	-5.781376	3.416667	2.483736	0	
87	N96	-0.997882	0	-6.301518	0	
88	N97	-0.997882	3.416667	-6.301518	0	
89	N98	-1.977049	0	-4.605551	0	
90	N99	-1.977049	3.416667	-4.605551	0	
91	N100	-3.456215	0	-2.043559	0	
92	N101	-3.456215	3.416667	-2.043559	0	
93	N102	-4.810382	0	0.301926	0	
94	N103	-4.810382	3.416667	0.301926	0	
95	N104	-5.997882	0	2.358736	0	
96	N105	-5.997882	3.416667	2.358736	0	
97	N106	-0.997882	4.5	-6.301518	0	
98	N107	-1.977049	4.5	-4.605551	0	
99	N108	-5.997882	4.5	2.358736	0	
100	N109	-3.456215	4.708333	-2.043559	0	
101	N110	-4.810382	6.5	0.301926	0	
102	N111	-0.997882	-1.5	-6.301518	0	
103	N112	-1.977049	-1.5	-4.605551	0	
104	N113	-5.997882	-1.5	2.358736	0	
105	N114	-3.456215	-1.291667	-2.043559	0	
106	N115	-4.810382	-1.5	0.301926	0	
107	N116A	-0.	0	-6.609108	0	
108	N117A	-0.	0	-1.421608	0	
109	N118	-5.723656	0	3.304554	0	
110	N119	-1.231149	0	0.710804	0	
111	N120	5.723656	0	3.304554	0	
112	N121	1.231149	0	0.710804	0	
113	N122	-1.333333	0	3.76495	0	
114	N123	1.333333	0	3.76495	0	
115	N124	-1.333333	0	3.598283	0	
116	N125	1.333333	0	3.598283	0	
117	N126	-1.166667	0	3.598283	0	
118	N127	1.166667	0	3.598283	0	
119	N128	-0.	0	-2.699942	0	
120	N129	-2.338218	0	1.349971	0	
121	N130	2.338218	0	1.349971	0	
122	N137	3.927209	0	-0.727774	0	
123	N138A	2.593876	0	-3.037176	0	
124	N139A	3.782871	0	-0.644441	0	
125	N140	2.449538	0	-2.953842	0	
126	N141	3.699538	0	-0.788779	0	
127	N142	2.532871	0	-2.809505	0	
128	N143	-2.593876	0	-3.037176	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
129	N144	-3.927209	0	-0.727774	0	
130	N145A	-2.449538	0	-2.953842	0	
131	N146A	-3.782871	0	-0.644441	0	
132	N147	-2.532871	0	-2.809505	0	
133	N148	-3.699538	0	-0.788779	0	
134	N149	2.532871	0	-2.699942	0	
135	N150	-2.532871	0	-2.699942	0	
136	N149A	-0.166667	0	-2.699942	0	
137	N150A	0.166667	0	-2.699942	0	
138	N150B	-3.604654	0	-0.84356	0	
139	N151	-1.071782	0	3.543502	0	
140	N152	-2.254885	0	1.494308	0	
141	N153	-2.421551	0	1.205633	0	
142	N157	1.071782	0	3.543502	0	
143	N158	3.604654	0	-0.84356	0	
144	N159	2.421551	0	1.205633	0	
145	N160	2.254885	0	1.494308	0	
146	N158A	-5.489218	0	3.710612	0	
147	N159B	-5.083333	0	3.76495	0	
148	N160A	-5.083333	0	3.620612	0	
149	N153A	5.489218	0	3.710612	0	
150	N154	5.263333	0	3.76495	0	
151	N155	5.263333	0	3.620612	0	
152	N156	5.958094	0	2.898496	0	
153	N157A	5.892209	0	2.675705	0	
154	N158B	5.767209	0	2.747874	0	
155	N159A	0.468876	0	-6.609108	0	
156	N160B	0.628876	0	-6.440655	0	
157	N161	0.503876	0	-6.368487	0	
158	N162	-0.468876	0	-6.609108	0	
159	N163	-0.628876	0	-6.440655	0	
160	N164	-0.503876	0	-6.368487	0	
161	N165	-5.958094	0	2.898496	0	
162	N166	-5.802209	0	2.519821	0	
163	N167	-5.677209	0	2.59199	0	
164	N168	-2.324538	0	-2.699942	0	
165	N169	2.324538	0	-2.699942	0	
166	N170	-2.324538	0.166667	-2.699942	0	
167	N171	2.324538	0.166667	-2.699942	0	
168	N172	-0.	0	-6.262442	0	
169	N173	-0.333333	0	-6.262442	0	
170	N174	0.333333	0	-6.262442	0	
171	N175	-0.333333	0.166667	-6.262442	0	
172	N176	0.333333	0.166667	-6.262442	0	
173	N177	-1.175949	0	3.36308	0	
174	N178	-3.500487	0	-0.663138	0	
175	N179	-1.175949	0.166667	3.36308	0	
176	N180	-3.500487	0.166667	-0.663138	0	
177	N181	-5.423434	0	3.131221	0	
178	N182	-5.256767	0	3.419896	0	
179	N183	-5.5901	0	2.842546	0	
180	N184	-5.256767	0.166667	3.419896	0	
181	N185	-5.5901	0.166667	2.842546	0	
182	N186	3.500487	0	-0.663138	0	
183	N187	1.175949	0	3.36308	0	
184	N188	3.500487	0.166667	-0.663138	0	
185	N189	1.175949	0.166667	3.36308	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
186	N190	5.423434	0	3.131221	0	
187	N191	5.5901	0	2.842546	0	
188	N192	5.256767	0	3.419896	0	
189	N193	5.5901	0.166667	2.842546	0	
190	N194	5.256767	0.166667	3.419896	0	
191	N195	2.10367	0	1.214554	0	
192	N196	2.22867	0	1.089554	0	
193	N197	2.22867	-0.458333	1.089554	0	
194	N198	2.22867	4.541667	1.089554	0	
195	N199	5.843876	3.416667	2.59199	0	
196	N200	0.677209	3.416667	-6.35694	0	
197	N201	-0.677209	3.416667	-6.35694	0	
198	N202	-5.843876	3.416667	2.59199	0	
199	N199A	-5.166667	3.416667	3.51495	0	
200	N200A	5.166667	3.416667	3.51495	0	
201	N203	5.627369	3.416667	2.71699	0	
202	N204	0.460703	3.416667	-6.23194	0	
203	N207	-0.460703	3.416667	-6.23194	0	
204	N208	-5.627369	3.416667	2.71699	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Antenna Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
2	Standoff Arm	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
3	Cross brace	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
4	grating angles	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
5	bottom corner pla...	PL1/2x6	Beam	RECT	A36 Gr.36	Typical	3	.063	9	.237
6	support rail	PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
7	horizontal	PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
8	handrail corner a...	L2.5x2.5x4	Beam	Single Angle	A36 Gr.36	Typical	1.19	.692	.692	.026
9	crossbace plate	PL3/8x6	Column	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E...	Density[k/ft...	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	.3	.65	.527	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	.3	.65	.527	46	1.4	58	1.3
6	A53 Gr.B	29000	11154	.3	.65	.49	35	1.6	60	1.2
7	A1085	29000	11154	.3	.65	.49	50	1.4	65	1.3
8	A500 Gr. C	29000	11154	.3	.65	.49	46	1.5	62	1.2

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N3	N4			horizontal	Beam	Pipe	A53 Gr.B	Typical
2	M2	N7	N8			support rail	Beam	Pipe	A53 Gr.B	Typical
3	M3	N10	N21			RIGID	None	None	RIGID	Typical
4	M4	N9	N20			RIGID	None	None	RIGID	Typical
5	M5	N11	N22			RIGID	None	None	RIGID	Typical
6	M6	N12	N23			RIGID	None	None	RIGID	Typical
7	M7	N14	N25			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
8	M8	N15	N26			RIGID	None	None	RIGID	Typical
9	M9	N16	N27			RIGID	None	None	RIGID	Typical
10	M10	N18	N29			RIGID	None	None	RIGID	Typical
11	M11	N17	N28			RIGID	None	None	RIGID	Typical
12	M12	N13	N24			RIGID	None	None	RIGID	Typical
13	MP5A	N28A	N33			Antenna Pipe	Column	Pipe	A53 Gr.B	Typical
14	MP4A	N29A	N34			Antenna Pipe	Column	Pipe	A53 Gr.B	Typical
15	MP3A	N31	N36			Antenna Pipe	Column	Pipe	A53 Gr.B	Typical
16	MP2A	N32	N37			Antenna Pipe	Column	Pipe	A53 Gr.B	Typical
17	MP1A	N30	N35			Antenna Pipe	Column	Pipe	A53 Gr.B	Typical
18	M18	N41	N42			horizontal	Beam	Pipe	A53 Gr.B	Typical
19	M19	N45	N46			support rail	Beam	Pipe	A53 Gr.B	Typical
20	M20	N48	N58			RIGID	None	None	RIGID	Typical
21	M21	N47	N57			RIGID	None	None	RIGID	Typical
22	M22	N49	N59			RIGID	None	None	RIGID	Typical
23	M23	N50	N60			RIGID	None	None	RIGID	Typical
24	M24	N52	N62			RIGID	None	None	RIGID	Typical
25	M25	N53	N63			RIGID	None	None	RIGID	Typical
26	M26	N54	N64			RIGID	None	None	RIGID	Typical
27	M27	N56	N66			RIGID	None	None	RIGID	Typical
28	M28	N55	N65			RIGID	None	None	RIGID	Typical
29	M29	N51	N61			RIGID	None	None	RIGID	Typical
30	MP5C	N67	N72			Antenna Pipe	Column	Pipe	A53 Gr.B	Typical
31	MP4C	N68	N73			Antenna Pipe	Column	Pipe	A53 Gr.B	Typical
32	MP3C	N70	N75			Antenna Pipe	Column	Pipe	A53 Gr.B	Typical
33	MP2C	N71	N76			Antenna Pipe	Column	Pipe	A53 Gr.B	Typical
34	MP1C	N69	N74			Antenna Pipe	Column	Pipe	A53 Gr.B	Typical
35	M35	N80	N81			horizontal	Beam	Pipe	A53 Gr.B	Typical
36	M36	N84	N85			support rail	Beam	Pipe	A53 Gr.B	Typical
37	M37	N87	N97			RIGID	None	None	RIGID	Typical
38	M38	N86	N96			RIGID	None	None	RIGID	Typical
39	M39	N88	N98			RIGID	None	None	RIGID	Typical
40	M40	N89	N99			RIGID	None	None	RIGID	Typical
41	M41	N91	N101			RIGID	None	None	RIGID	Typical
42	M42	N92	N102			RIGID	None	None	RIGID	Typical
43	M43	N93	N103			RIGID	None	None	RIGID	Typical
44	M44	N95	N105			RIGID	None	None	RIGID	Typical
45	M45	N94	N104			RIGID	None	None	RIGID	Typical
46	M46	N90	N100			RIGID	None	None	RIGID	Typical
47	MP5B	N106	N111			Antenna Pipe	Column	Pipe	A53 Gr.B	Typical
48	MP4B	N107	N112			Antenna Pipe	Column	Pipe	A53 Gr.B	Typical
49	MP3B	N109	N114			Antenna Pipe	Column	Pipe	A53 Gr.B	Typical
50	MP2B	N110	N115			Antenna Pipe	Column	Pipe	A53 Gr.B	Typical
51	MP1B	N108	N113			Antenna Pipe	Column	Pipe	A53 Gr.B	Typical
52	M52	N208	N199A		90	handrail corner...	Beam	Single Angle	A36 Gr.36	Typical
53	M53	N203	N200A		180	handrail corner...	Beam	Single Angle	A36 Gr.36	Typical
54	M54	N207	N204		180	handrail corner...	Beam	Single Angle	A36 Gr.36	Typical
55	M58	N116A	N117A			Standoff Arm	Beam	SquareTube	A500 Gr.B...	Typical
56	M59	N118	N119			Standoff Arm	Beam	SquareTube	A500 Gr.B...	Typical
57	M60	N120	N121			Standoff Arm	Beam	SquareTube	A500 Gr.B...	Typical
58	M61	N122	N124			RIGID	None	None	RIGID	Typical
59	M62	N123	N125			RIGID	None	None	RIGID	Typical
60	M63	N124	N126			crossbace plate	Column	RECT	A36 Gr.36	Typical
61	M64	N125	N127			crossbace plate	Column	RECT	A36 Gr.36	Typical
62	M79	N137	N139A			RIGID	None	None	RIGID	Typical
63	M80	N138A	N140			RIGID	None	None	RIGID	Typical
64	M81	N139A	N141			crossbace plate	Column	RECT	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
65	M82	N140	N142			crossbace plate	Column	RECT	A36 Gr.36	Typical
66	M83	N143	N145A			RIGID	None	None	RIGID	Typical
67	M84	N144	N146A			RIGID	None	None	RIGID	Typical
68	M85	N145A	N147			crossbace plate	Column	RECT	A36 Gr.36	Typical
69	M86	N146A	N148			crossbace plate	Column	RECT	A36 Gr.36	Typical
70	M91	N142	N149			crossbace plate	Column	RECT	A36 Gr.36	Typical
71	M92	N147	N150			crossbace plate	Column	RECT	A36 Gr.36	Typical
72	M80A	N149A	N150			Cross brace	Beam	SquareTube	A500 Gr.B...	Typical
73	M80B	N150A	N149			Cross brace	Beam	SquareTube	A500 Gr.B...	Typical
74	M81A	N149A	N128			RIGID	None	None	RIGID	Typical
75	M82A	N150A	N128			RIGID	None	None	RIGID	Typical
76	M79A	N148	N150B			crossbace plate	Column	RECT	A36 Gr.36	Typical
77	M80C	N126	N151			crossbace plate	Column	RECT	A36 Gr.36	Typical
78	M81B	N152	N151			Cross brace	Beam	SquareTube	A500 Gr.B...	Typical
79	M82B	N153	N150B			Cross brace	Beam	SquareTube	A500 Gr.B...	Typical
80	M83A	N152	N129			RIGID	None	None	RIGID	Typical
81	M84A	N153	N129			RIGID	None	None	RIGID	Typical
82	M85A	N127	N157			crossbace plate	Column	RECT	A36 Gr.36	Typical
83	M86A	N141	N158			crossbace plate	Column	RECT	A36 Gr.36	Typical
84	M87	N159	N158			Cross brace	Beam	SquareTube	A500 Gr.B...	Typical
85	M88	N160	N157			Cross brace	Beam	SquareTube	A500 Gr.B...	Typical
86	M89	N159	N130			RIGID	None	None	RIGID	Typical
87	M90	N160	N130			RIGID	None	None	RIGID	Typical
88	M92A	N160A	N159B			RIGID	None	None	RIGID	Typical
89	M93	N158A	N160A			bottom corner ...	Beam	RECT	A36 Gr.36	Typical
90	M90A	N155	N154			RIGID	None	None	RIGID	Typical
91	M91A	N153A	N155			bottom corner ...	Beam	RECT	A36 Gr.36	Typical
92	M92B	N158B	N157A			RIGID	None	None	RIGID	Typical
93	M93A	N156	N158B			bottom corner ...	Beam	RECT	A36 Gr.36	Typical
94	M94	N161	N160B			RIGID	None	None	RIGID	Typical
95	M95	N159A	N161			bottom corner ...	Beam	RECT	A36 Gr.36	Typical
96	M96	N164	N163			RIGID	None	None	RIGID	Typical
97	M97	N162	N164			bottom corner ...	Beam	RECT	A36 Gr.36	Typical
98	M98	N167	N166			RIGID	None	None	RIGID	Typical
99	M99	N165	N167			bottom corner ...	Beam	RECT	A36 Gr.36	Typical
100	M104	N165	N158A			bottom corner ...	Beam	RECT	A36 Gr.36	Typical
101	M105	N156	N153A			bottom corner ...	Beam	RECT	A36 Gr.36	Typical
102	M106	N162	N159A			bottom corner ...	Beam	RECT	A36 Gr.36	Typical
103	M107	N172	N173			RIGID	None	None	RIGID	Typical
104	M108	N173	N175			RIGID	None	None	RIGID	Typical
105	M109	N172	N174			RIGID	None	None	RIGID	Typical
106	M110	N174	N176			RIGID	None	None	RIGID	Typical
107	M111	N175	N170		270	grating angles	Beam	Single Angle	A36 Gr.36	Typical
108	M112	N176	N171			grating angles	Beam	Single Angle	A36 Gr.36	Typical
109	M113	N170	N168			RIGID	None	None	RIGID	Typical
110	M114	N171	N169			RIGID	None	None	RIGID	Typical
111	M115	N181	N182			RIGID	None	None	RIGID	Typical
112	M116	N182	N184			RIGID	None	None	RIGID	Typical
113	M117	N181	N183			RIGID	None	None	RIGID	Typical
114	M118	N183	N185			RIGID	None	None	RIGID	Typical
115	M119	N184	N179		270	grating angles	Beam	Single Angle	A36 Gr.36	Typical
116	M120	N185	N180			grating angles	Beam	Single Angle	A36 Gr.36	Typical
117	M121	N179	N177			RIGID	None	None	RIGID	Typical
118	M122	N180	N178			RIGID	None	None	RIGID	Typical
119	M123	N190	N191			RIGID	None	None	RIGID	Typical
120	M124	N191	N193			RIGID	None	None	RIGID	Typical
121	M125	N190	N192			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
122	M126	N192	N194			RIGID	None	None	RIGID	Typical
123	M127	N193	N188		270	grating angles	Beam	Single Angle	A36 Gr.36	Typical
124	M128	N194	N189			grating angles	Beam	Single Angle	A36 Gr.36	Typical
125	M129	N188	N186			RIGID	None	None	RIGID	Typical
126	M130	N189	N187			RIGID	None	None	RIGID	Typical
127	M127A	N195	N196			RIGID	None	None	RIGID	Typical
128	M128A	N198	N197			Antenna Pipe	Column	Pipe	A53 Gr.B	Typical
129	M129A	N38	N199A			RIGID	None	None	RIGID	Typical
130	M130A	N39	N200A			RIGID	None	None	RIGID	Typical
131	M131	N199	N203			RIGID	None	None	RIGID	Typical
132	M132	N200	N204			RIGID	None	None	RIGID	Typical
133	M133	N201	N207			RIGID	None	None	RIGID	Typical
134	M134	N202	N208			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				None
2	M2						Yes				None
3	M3						Yes	** NA **			None
4	M4						Yes	** NA **			None
5	M5						Yes	** NA **			None
6	M6						Yes	** NA **			None
7	M7						Yes	** NA **			None
8	M8						Yes	** NA **			None
9	M9						Yes	** NA **			None
10	M10						Yes	** NA **			None
11	M11						Yes	** NA **			None
12	M12						Yes	** NA **			None
13	MP5A						Yes	** NA **			None
14	MP4A						Yes	** NA **			None
15	MP3A						Yes	** NA **			None
16	MP2A						Yes	** NA **			None
17	MP1A						Yes	** NA **			None
18	M18						Yes				None
19	M19						Yes				None
20	M20						Yes	** NA **			None
21	M21						Yes	** NA **			None
22	M22						Yes	** NA **			None
23	M23						Yes	** NA **			None
24	M24						Yes	** NA **			None
25	M25						Yes	** NA **			None
26	M26						Yes	** NA **			None
27	M27						Yes	** NA **			None
28	M28						Yes	** NA **			None
29	M29						Yes	** NA **			None
30	MP5C						Yes	** NA **			None
31	MP4C						Yes	** NA **			None
32	MP3C						Yes	** NA **			None
33	MP2C						Yes	** NA **			None
34	MP1C						Yes	** NA **			None
35	M35						Yes				None
36	M36						Yes				None
37	M37						Yes	** NA **			None
38	M38						Yes	** NA **			None
39	M39						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
40	M40						Yes	** NA **			None
41	M41						Yes	** NA **			None
42	M42						Yes	** NA **			None
43	M43						Yes	** NA **			None
44	M44						Yes	** NA **			None
45	M45						Yes	** NA **			None
46	M46						Yes	** NA **			None
47	MP5B						Yes	** NA **			None
48	MP4B						Yes	** NA **			None
49	MP3B						Yes	** NA **			None
50	MP2B						Yes	** NA **			None
51	MP1B						Yes	** NA **			None
52	M52						Yes	Default			None
53	M53						Yes	Default			None
54	M54						Yes	Default			None
55	M58						Yes				None
56	M59						Yes				None
57	M60						Yes				None
58	M61	BenPIN					Yes	** NA **			None
59	M62	BenPIN					Yes	** NA **			None
60	M63						Yes	** NA **			None
61	M64						Yes	** NA **			None
62	M79	BenPIN					Yes	** NA **			None
63	M80	BenPIN					Yes	** NA **			None
64	M81						Yes	** NA **			None
65	M82						Yes	** NA **			None
66	M83	BenPIN					Yes	** NA **			None
67	M84	BenPIN					Yes	** NA **			None
68	M85						Yes	** NA **			None
69	M86						Yes	** NA **			None
70	M91						Yes	** NA **			None
71	M92						Yes	** NA **			None
72	M80A						Yes				None
73	M80B						Yes				None
74	M81A						Yes	** NA **			None
75	M82A						Yes	** NA **			None
76	M79A						Yes	** NA **			None
77	M80C						Yes	** NA **			None
78	M81B						Yes				None
79	M82B						Yes				None
80	M83A						Yes	** NA **			None
81	M84A						Yes	** NA **			None
82	M85A						Yes	** NA **			None
83	M86A						Yes	** NA **			None
84	M87						Yes				None
85	M88						Yes				None
86	M89						Yes	** NA **			None
87	M90						Yes	** NA **			None
88	M92A		BenPIN				Yes	** NA **			None
89	M93						Yes				None
90	M90A		BenPIN				Yes	** NA **			None
91	M91A						Yes				None
92	M92B		BenPIN				Yes	** NA **			None
93	M93A						Yes				None
94	M94		BenPIN				Yes	** NA **			None
95	M95						Yes				None
96	M96		BenPIN				Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
97	M97						Yes				None
98	M98		BenPIN				Yes	** NA **			None
99	M99						Yes				None
100	M104						Yes				None
101	M105						Yes				None
102	M106						Yes				None
103	M107						Yes	** NA **			None
104	M108						Yes	** NA **			None
105	M109						Yes	** NA **			None
106	M110						Yes	** NA **			None
107	M111	OOOOXO	OOOOXO				Yes	Default			None
108	M112	OOOOOX	OOOOOX				Yes				None
109	M113						Yes	** NA **			None
110	M114						Yes	** NA **			None
111	M115						Yes	** NA **			None
112	M116						Yes	** NA **			None
113	M117						Yes	** NA **			None
114	M118						Yes	** NA **			None
115	M119	OOOOXO	OOOOXO				Yes	Default			None
116	M120	OOOOOX	OOOOOX				Yes				None
117	M121						Yes	** NA **			None
118	M122						Yes	** NA **			None
119	M123						Yes	** NA **			None
120	M124						Yes	** NA **			None
121	M125						Yes	** NA **			None
122	M126						Yes	** NA **			None
123	M127	OOOOXO	OOOOXO				Yes	Default			None
124	M128	OOOOOX	OOOOOX				Yes				None
125	M129						Yes	** NA **			None
126	M130						Yes	** NA **			None
127	M127A						Yes	** NA **			None
128	M128A						Yes	** NA **			None
129	M129A	OOOOOX					Yes	** NA **			None
130	M130A	OOOOOX					Yes	** NA **			None
131	M131	OOOOOX					Yes	** NA **			None
132	M132	OOOOOX					Yes	** NA **			None
133	M133	OOOOOX					Yes	** NA **			None
134	M134	OOOOOX					Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-43.55	2.25
2	MP2A	My	-.022	2.25
3	MP2A	Mz	0	2.25
4	MP2A	Y	-43.55	3.25
5	MP2A	My	-.022	3.25
6	MP2A	Mz	0	3.25
7	MP2B	Y	-43.55	2.25
8	MP2B	My	.017	2.25
9	MP2B	Mz	-.014	2.25
10	MP2B	Y	-43.55	3.25
11	MP2B	My	.017	3.25
12	MP2B	Mz	-.014	3.25
13	MP2C	Y	-43.55	2.25
14	MP2C	My	.017	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP2C	Mz	-.014	2.25
16	MP2C	Y	-43.55	3.25
17	MP2C	My	.017	3.25
18	MP2C	Mz	-.014	3.25
19	MP1A	Y	-6	1.5
20	MP1A	My	-.004	1.5
21	MP1A	Mz	0	1.5
22	MP1A	Y	-6	4
23	MP1A	My	-.004	4
24	MP1A	Mz	0	4
25	MP1B	Y	-6	1.5
26	MP1B	My	.003	1.5
27	MP1B	Mz	-.004	1.5
28	MP1B	Y	-6	4
29	MP1B	My	.003	4
30	MP1B	Mz	-.004	4
31	MP1C	Y	-6	1.5
32	MP1C	My	.002	1.5
33	MP1C	Mz	.004	1.5
34	MP1C	Y	-6	4
35	MP1C	My	.002	4
36	MP1C	Mz	.004	4
37	MP5A	Y	-6	1.5
38	MP5A	My	-.004	1.5
39	MP5A	Mz	0	1.5
40	MP5A	Y	-6	4
41	MP5A	My	-.004	4
42	MP5A	Mz	0	4
43	MP5B	Y	-6	1.5
44	MP5B	My	.003	1.5
45	MP5B	Mz	-.004	1.5
46	MP5B	Y	-6	4
47	MP5B	My	.003	4
48	MP5B	Mz	-.004	4
49	MP5C	Y	-6	1.5
50	MP5C	My	.002	1.5
51	MP5C	Mz	.004	1.5
52	MP5C	Y	-6	4
53	MP5C	My	.002	4
54	MP5C	Mz	.004	4
55	MP3A	Y	-31.65	.5
56	MP3A	My	-.034	.5
57	MP3A	Mz	.021	.5
58	MP3A	Y	-31.65	5.5
59	MP3A	My	-.034	5.5
60	MP3A	Mz	.021	5.5
61	MP3B	Y	-31.65	.5
62	MP3B	My	-.001	.5
63	MP3B	Mz	-.04	.5
64	MP3B	Y	-31.65	5.5
65	MP3B	My	-.001	5.5
66	MP3B	Mz	-.04	5.5
67	MP3C	Y	-31.65	.5
68	MP3C	My	.035	.5
69	MP3C	Mz	.019	.5
70	MP3C	Y	-31.65	5.5
71	MP3C	My	.035	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP3C	Mz	.019	5.5
73	MP3A	Y	-31.65	.5
74	MP3A	My	-.034	.5
75	MP3A	Mz	-.021	.5
76	MP3A	Y	-31.65	5.5
77	MP3A	My	-.034	5.5
78	MP3A	Mz	-.021	5.5
79	MP3B	Y	-31.65	.5
80	MP3B	My	.035	.5
81	MP3B	Mz	-.019	.5
82	MP3B	Y	-31.65	5.5
83	MP3B	My	.035	5.5
84	MP3B	Mz	-.019	5.5
85	MP3C	Y	-31.65	.5
86	MP3C	My	-.001	.5
87	MP3C	Mz	.04	.5
88	MP3C	Y	-31.65	5.5
89	MP3C	My	-.001	5.5
90	MP3C	Mz	.04	5.5
91	M128A	Y	-26.9	1
92	M128A	My	0	1
93	M128A	Mz	0	1
94	MP3A	Y	-10.4	5.5
95	MP3A	My	.005	5.5
96	MP3A	Mz	0	5.5
97	MP3B	Y	-10.4	5.5
98	MP3B	My	-.003	5.5
99	MP3B	Mz	.005	5.5
100	MP3C	Y	-10.4	5.5
101	MP3C	My	-.003	5.5
102	MP3C	Mz	-.005	5.5
103	MP3A	Y	-70.3	2
104	MP3A	My	.035	2
105	MP3A	Mz	0	2
106	MP3B	Y	-70.3	2
107	MP3B	My	-.018	2
108	MP3B	Mz	.03	2
109	MP3C	Y	-70.3	2
110	MP3C	My	-.018	2
111	MP3C	Mz	-.03	2
112	MP4A	Y	-84.4	2
113	MP4A	My	.042	2
114	MP4A	Mz	0	2
115	MP4B	Y	-84.4	2
116	MP4B	My	-.021	2
117	MP4B	Mz	.037	2
118	MP4C	Y	-84.4	2
119	MP4C	My	-.021	2
120	MP4C	Mz	-.037	2

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-35.859	2.25
2	MP2A	My	-.018	2.25
3	MP2A	Mz	0	2.25
4	MP2A	Y	-35.859	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP2A	My	-.018	3.25
6	MP2A	Mz	0	3.25
7	MP2B	Y	-35.859	2.25
8	MP2B	My	.014	2.25
9	MP2B	Mz	-.012	2.25
10	MP2B	Y	-35.859	3.25
11	MP2B	My	.014	3.25
12	MP2B	Mz	-.012	3.25
13	MP2C	Y	-35.859	2.25
14	MP2C	My	.014	2.25
15	MP2C	Mz	-.012	2.25
16	MP2C	Y	-35.859	3.25
17	MP2C	My	.014	3.25
18	MP2C	Mz	-.012	3.25
19	MP1A	Y	-40.574	1.5
20	MP1A	My	-.03	1.5
21	MP1A	Mz	0	1.5
22	MP1A	Y	-40.574	4
23	MP1A	My	-.03	4
24	MP1A	Mz	0	4
25	MP1B	Y	-40.574	1.5
26	MP1B	My	.017	1.5
27	MP1B	Mz	-.025	1.5
28	MP1B	Y	-40.574	4
29	MP1B	My	.017	4
30	MP1B	Mz	-.025	4
31	MP1C	Y	-40.574	1.5
32	MP1C	My	.013	1.5
33	MP1C	Mz	.028	1.5
34	MP1C	Y	-40.574	4
35	MP1C	My	.013	4
36	MP1C	Mz	.028	4
37	MP5A	Y	-40.574	1.5
38	MP5A	My	-.03	1.5
39	MP5A	Mz	0	1.5
40	MP5A	Y	-40.574	4
41	MP5A	My	-.03	4
42	MP5A	Mz	0	4
43	MP5B	Y	-40.574	1.5
44	MP5B	My	.017	1.5
45	MP5B	Mz	-.025	1.5
46	MP5B	Y	-40.574	4
47	MP5B	My	.017	4
48	MP5B	Mz	-.025	4
49	MP5C	Y	-40.574	1.5
50	MP5C	My	.013	1.5
51	MP5C	Mz	.028	1.5
52	MP5C	Y	-40.574	4
53	MP5C	My	.013	4
54	MP5C	Mz	.028	4
55	MP3A	Y	-70.42	.5
56	MP3A	My	-.076	.5
57	MP3A	Mz	.047	.5
58	MP3A	Y	-70.42	5.5
59	MP3A	My	-.076	5.5
60	MP3A	Mz	.047	5.5
61	MP3B	Y	-70.42	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
62	MP3B	My	-.003	.5
63	MP3B	Mz	-.09	.5
64	MP3B	Y	-70.42	5.5
65	MP3B	My	-.003	5.5
66	MP3B	Mz	-.09	5.5
67	MP3C	Y	-70.42	.5
68	MP3C	My	.079	.5
69	MP3C	Mz	.043	.5
70	MP3C	Y	-70.42	5.5
71	MP3C	My	.079	5.5
72	MP3C	Mz	.043	5.5
73	MP3A	Y	-70.42	.5
74	MP3A	My	-.076	.5
75	MP3A	Mz	-.047	.5
76	MP3A	Y	-70.42	5.5
77	MP3A	My	-.076	5.5
78	MP3A	Mz	-.047	5.5
79	MP3B	Y	-70.42	.5
80	MP3B	My	.079	.5
81	MP3B	Mz	-.043	.5
82	MP3B	Y	-70.42	5.5
83	MP3B	My	.079	5.5
84	MP3B	Mz	-.043	5.5
85	MP3C	Y	-70.42	.5
86	MP3C	My	-.003	.5
87	MP3C	Mz	.09	.5
88	MP3C	Y	-70.42	5.5
89	MP3C	My	-.003	5.5
90	MP3C	Mz	.09	5.5
91	M128A	Y	-55.671	1
92	M128A	My	0	1
93	M128A	Mz	0	1
94	MP3A	Y	-10.825	5.5
95	MP3A	My	.005	5.5
96	MP3A	Mz	0	5.5
97	MP3B	Y	-10.825	5.5
98	MP3B	My	-.003	5.5
99	MP3B	Mz	.005	5.5
100	MP3C	Y	-10.825	5.5
101	MP3C	My	-.003	5.5
102	MP3C	Mz	-.005	5.5
103	MP3A	Y	-40.903	2
104	MP3A	My	.02	2
105	MP3A	Mz	0	2
106	MP3B	Y	-40.903	2
107	MP3B	My	-.01	2
108	MP3B	Mz	.018	2
109	MP3C	Y	-40.903	2
110	MP3C	My	-.01	2
111	MP3C	Mz	-.018	2
112	MP4A	Y	-45.214	2
113	MP4A	My	.023	2
114	MP4A	Mz	0	2
115	MP4B	Y	-45.214	2
116	MP4B	My	-.011	2
117	MP4B	Mz	.02	2
118	MP4C	Y	-45.214	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
119	MP4C	My	-.011	2
120	MP4C	Mz	-.02	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2.25
2	MP2A	Z	-79.983	2.25
3	MP2A	Mx	0	2.25
4	MP2A	X	0	3.25
5	MP2A	Z	-79.983	3.25
6	MP2A	Mx	0	3.25
7	MP2B	X	0	2.25
8	MP2B	Z	-59.874	2.25
9	MP2B	Mx	.019	2.25
10	MP2B	X	0	3.25
11	MP2B	Z	-59.874	3.25
12	MP2B	Mx	.019	3.25
13	MP2C	X	0	2.25
14	MP2C	Z	-59.874	2.25
15	MP2C	Mx	.019	2.25
16	MP2C	X	0	3.25
17	MP2C	Z	-59.874	3.25
18	MP2C	Mx	.019	3.25
19	MP1A	X	0	1.5
20	MP1A	Z	-44.416	1.5
21	MP1A	Mx	0	1.5
22	MP1A	X	0	4
23	MP1A	Z	-44.416	4
24	MP1A	Mx	0	4
25	MP1B	X	0	1.5
26	MP1B	Z	-76.262	1.5
27	MP1B	Mx	.047	1.5
28	MP1B	X	0	4
29	MP1B	Z	-76.262	4
30	MP1B	Mx	.047	4
31	MP1C	X	0	1.5
32	MP1C	Z	-83.399	1.5
33	MP1C	Mx	-.057	1.5
34	MP1C	X	0	4
35	MP1C	Z	-83.399	4
36	MP1C	Mx	-.057	4
37	MP5A	X	0	1.5
38	MP5A	Z	-44.416	1.5
39	MP5A	Mx	0	1.5
40	MP5A	X	0	4
41	MP5A	Z	-44.416	4
42	MP5A	Mx	0	4
43	MP5B	X	0	1.5
44	MP5B	Z	-76.262	1.5
45	MP5B	Mx	.047	1.5
46	MP5B	X	0	4
47	MP5B	Z	-76.262	4
48	MP5B	Mx	.047	4
49	MP5C	X	0	1.5
50	MP5C	Z	-83.399	1.5
51	MP5C	Mx	-.057	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP5C	X	0	4
53	MP5C	Z	-83.399	4
54	MP5C	Mx	-.057	4
55	MP3A	X	0	.5
56	MP3A	Z	-155.031	.5
57	MP3A	Mx	-.103	.5
58	MP3A	X	0	5.5
59	MP3A	Z	-155.031	5.5
60	MP3A	Mx	-.103	5.5
61	MP3B	X	0	.5
62	MP3B	Z	-115.124	.5
63	MP3B	Mx	.146	.5
64	MP3B	X	0	5.5
65	MP3B	Z	-115.124	5.5
66	MP3B	Mx	.146	5.5
67	MP3C	X	0	.5
68	MP3C	Z	-115.124	.5
69	MP3C	Mx	-.07	.5
70	MP3C	X	0	5.5
71	MP3C	Z	-115.124	5.5
72	MP3C	Mx	-.07	5.5
73	MP3A	X	0	.5
74	MP3A	Z	-155.031	.5
75	MP3A	Mx	.103	.5
76	MP3A	X	0	5.5
77	MP3A	Z	-155.031	5.5
78	MP3A	Mx	.103	5.5
79	MP3B	X	0	.5
80	MP3B	Z	-115.124	.5
81	MP3B	Mx	.07	.5
82	MP3B	X	0	5.5
83	MP3B	Z	-115.124	5.5
84	MP3B	Mx	.07	5.5
85	MP3C	X	0	.5
86	MP3C	Z	-115.124	.5
87	MP3C	Mx	-.146	.5
88	MP3C	X	0	5.5
89	MP3C	Z	-115.124	5.5
90	MP3C	Mx	-.146	5.5
91	M128A	X	0	1
92	M128A	Z	-85.088	1
93	M128A	Mx	0	1
94	MP3A	X	0	5.5
95	MP3A	Z	-12.593	5.5
96	MP3A	Mx	0	5.5
97	MP3B	X	0	5.5
98	MP3B	Z	-9.683	5.5
99	MP3B	Mx	-.004	5.5
100	MP3C	X	0	5.5
101	MP3C	Z	-9.683	5.5
102	MP3C	Mx	.004	5.5
103	MP3A	X	0	2
104	MP3A	Z	-63.646	2
105	MP3A	Mx	0	2
106	MP3B	X	0	2
107	MP3B	Z	-42.076	2
108	MP3B	Mx	-.018	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
109	MP3C	X	0	2
110	MP3C	Z	-42.076	2
111	MP3C	Mx	.018	2
112	MP4A	X	0	2
113	MP4A	Z	-63.646	2
114	MP4A	Mx	0	2
115	MP4B	X	0	2
116	MP4B	Z	-47.82	2
117	MP4B	Mx	-.021	2
118	MP4C	X	0	2
119	MP4C	Z	-47.82	2
120	MP4C	Mx	.021	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	33.908	2.25
2	MP2A	Z	-58.73	2.25
3	MP2A	Mx	-.017	2.25
4	MP2A	X	33.908	3.25
5	MP2A	Z	-58.73	3.25
6	MP2A	Mx	-.017	3.25
7	MP2B	X	18.503	2.25
8	MP2B	Z	-32.049	2.25
9	MP2B	Mx	.017	2.25
10	MP2B	X	18.503	3.25
11	MP2B	Z	-32.049	3.25
12	MP2B	Mx	.017	3.25
13	MP2C	X	18.503	2.25
14	MP2C	Z	-32.049	2.25
15	MP2C	Mx	.017	2.25
16	MP2C	X	18.503	3.25
17	MP2C	Z	-32.049	3.25
18	MP2C	Mx	.017	3.25
19	MP1A	X	28.141	1.5
20	MP1A	Z	-48.741	1.5
21	MP1A	Mx	-.021	1.5
22	MP1A	X	28.141	4
23	MP1A	Z	-48.741	4
24	MP1A	Mx	-.021	4
25	MP1B	X	45.758	1.5
26	MP1B	Z	-79.255	1.5
27	MP1B	Mx	.068	1.5
28	MP1B	X	45.758	4
29	MP1B	Z	-79.255	4
30	MP1B	Mx	.068	4
31	MP1C	X	30.015	1.5
32	MP1C	Z	-51.987	1.5
33	MP1C	Mx	-.026	1.5
34	MP1C	X	30.015	4
35	MP1C	Z	-51.987	4
36	MP1C	Mx	-.026	4
37	MP5A	X	28.141	1.5
38	MP5A	Z	-48.741	1.5
39	MP5A	Mx	-.021	1.5
40	MP5A	X	28.141	4
41	MP5A	Z	-48.741	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
42	MP5A	Mx	-.021	4
43	MP5B	X	45.758	1.5
44	MP5B	Z	-79.255	1.5
45	MP5B	Mx	.068	1.5
46	MP5B	X	45.758	4
47	MP5B	Z	-79.255	4
48	MP5B	Mx	.068	4
49	MP5C	X	30.015	1.5
50	MP5C	Z	-51.987	1.5
51	MP5C	Mx	-.026	1.5
52	MP5C	X	30.015	4
53	MP5C	Z	-51.987	4
54	MP5C	Mx	-.026	4
55	MP3A	X	70.864	.5
56	MP3A	Z	-122.741	.5
57	MP3A	Mx	-.159	.5
58	MP3A	X	70.864	5.5
59	MP3A	Z	-122.741	5.5
60	MP3A	Mx	-.159	5.5
61	MP3B	X	50.911	.5
62	MP3B	Z	-88.181	.5
63	MP3B	Mx	.11	.5
64	MP3B	X	50.911	5.5
65	MP3B	Z	-88.181	5.5
66	MP3B	Mx	.11	5.5
67	MP3C	X	70.864	.5
68	MP3C	Z	-122.741	.5
69	MP3C	Mx	.005	.5
70	MP3C	X	70.864	5.5
71	MP3C	Z	-122.741	5.5
72	MP3C	Mx	.005	5.5
73	MP3A	X	70.864	.5
74	MP3A	Z	-122.741	.5
75	MP3A	Mx	.005	.5
76	MP3A	X	70.864	5.5
77	MP3A	Z	-122.741	5.5
78	MP3A	Mx	.005	5.5
79	MP3B	X	50.911	.5
80	MP3B	Z	-88.181	.5
81	MP3B	Mx	.11	.5
82	MP3B	X	50.911	5.5
83	MP3B	Z	-88.181	5.5
84	MP3B	Mx	.11	5.5
85	MP3C	X	70.864	.5
86	MP3C	Z	-122.741	.5
87	MP3C	Mx	-.159	.5
88	MP3C	X	70.864	5.5
89	MP3C	Z	-122.741	5.5
90	MP3C	Mx	-.159	5.5
91	M128A	X	38.815	1
92	M128A	Z	-67.23	1
93	M128A	Mx	0	1
94	MP3A	X	5.812	5.5
95	MP3A	Z	-10.066	5.5
96	MP3A	Mx	.003	5.5
97	MP3B	X	4.357	5.5
98	MP3B	Z	-7.546	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
99	MP3B	Mx	-.004	5.5
100	MP3C	X	5.812	5.5
101	MP3C	Z	-10.066	5.5
102	MP3C	Mx	.003	5.5
103	MP3A	X	28.228	2
104	MP3A	Z	-48.892	2
105	MP3A	Mx	.014	2
106	MP3B	X	17.443	2
107	MP3B	Z	-30.212	2
108	MP3B	Mx	-.017	2
109	MP3C	X	28.228	2
110	MP3C	Z	-48.892	2
111	MP3C	Mx	.014	2
112	MP4A	X	29.185	2
113	MP4A	Z	-50.55	2
114	MP4A	Mx	.015	2
115	MP4B	X	21.272	2
116	MP4B	Z	-36.844	2
117	MP4B	Mx	-.021	2
118	MP4C	X	29.185	2
119	MP4C	Z	-50.55	2
120	MP4C	Mx	.015	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	37.655	2.25
2	MP2A	Z	-21.74	2.25
3	MP2A	Mx	-.019	2.25
4	MP2A	X	37.655	3.25
5	MP2A	Z	-21.74	3.25
6	MP2A	Mx	-.019	3.25
7	MP2B	X	28.389	2.25
8	MP2B	Z	-16.39	2.25
9	MP2B	Mx	.016	2.25
10	MP2B	X	28.389	3.25
11	MP2B	Z	-16.39	3.25
12	MP2B	Mx	.016	3.25
13	MP2C	X	28.389	2.25
14	MP2C	Z	-16.39	2.25
15	MP2C	Mx	.016	2.25
16	MP2C	X	28.389	3.25
17	MP2C	Z	-16.39	3.25
18	MP2C	Mx	.016	3.25
19	MP1A	X	69.292	1.5
20	MP1A	Z	-40.005	1.5
21	MP1A	Mx	-.052	1.5
22	MP1A	X	69.292	4
23	MP1A	Z	-40.005	4
24	MP1A	Mx	-.052	4
25	MP1B	X	72.226	1.5
26	MP1B	Z	-41.7	1.5
27	MP1B	Mx	.057	1.5
28	MP1B	X	72.226	4
29	MP1B	Z	-41.7	4
30	MP1B	Mx	.057	4
31	MP1C	X	38.778	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP1C	Z	-22.388	1.5
33	MP1C	Mx	-.003	1.5
34	MP1C	X	38.778	4
35	MP1C	Z	-22.388	4
36	MP1C	Mx	-.003	4
37	MP5A	X	69.292	1.5
38	MP5A	Z	-40.005	1.5
39	MP5A	Mx	-.052	1.5
40	MP5A	X	69.292	4
41	MP5A	Z	-40.005	4
42	MP5A	Mx	-.052	4
43	MP5B	X	72.226	1.5
44	MP5B	Z	-41.7	1.5
45	MP5B	Mx	.057	1.5
46	MP5B	X	72.226	4
47	MP5B	Z	-41.7	4
48	MP5B	Mx	.057	4
49	MP5C	X	38.778	1.5
50	MP5C	Z	-22.388	1.5
51	MP5C	Mx	-.003	1.5
52	MP5C	X	38.778	4
53	MP5C	Z	-22.388	4
54	MP5C	Mx	-.003	4
55	MP3A	X	99.701	.5
56	MP3A	Z	-57.562	.5
57	MP3A	Mx	-.146	.5
58	MP3A	X	99.701	5.5
59	MP3A	Z	-57.562	5.5
60	MP3A	Mx	-.146	5.5
61	MP3B	X	99.701	.5
62	MP3B	Z	-57.562	.5
63	MP3B	Mx	.07	.5
64	MP3B	X	99.701	5.5
65	MP3B	Z	-57.562	5.5
66	MP3B	Mx	.07	5.5
67	MP3C	X	134.261	.5
68	MP3C	Z	-77.515	.5
69	MP3C	Mx	.103	.5
70	MP3C	X	134.261	5.5
71	MP3C	Z	-77.515	5.5
72	MP3C	Mx	.103	5.5
73	MP3A	X	99.701	.5
74	MP3A	Z	-57.562	.5
75	MP3A	Mx	-.07	.5
76	MP3A	X	99.701	5.5
77	MP3A	Z	-57.562	5.5
78	MP3A	Mx	-.07	5.5
79	MP3B	X	99.701	.5
80	MP3B	Z	-57.562	.5
81	MP3B	Mx	.146	.5
82	MP3B	X	99.701	5.5
83	MP3B	Z	-57.562	5.5
84	MP3B	Mx	.146	5.5
85	MP3C	X	134.261	.5
86	MP3C	Z	-77.515	.5
87	MP3C	Mx	-.103	.5
88	MP3C	X	134.261	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP3C	Z	-77.515	5.5
90	MP3C	Mx	-.103	5.5
91	M128A	X	54.312	1
92	M128A	Z	-31.357	1
93	M128A	Mx	0	1
94	MP3A	X	8.386	5.5
95	MP3A	Z	-4.842	5.5
96	MP3A	Mx	.004	5.5
97	MP3B	X	8.386	5.5
98	MP3B	Z	-4.842	5.5
99	MP3B	Mx	-.004	5.5
100	MP3C	X	10.906	5.5
101	MP3C	Z	-6.297	5.5
102	MP3C	Mx	0	5.5
103	MP3A	X	36.439	2
104	MP3A	Z	-21.038	2
105	MP3A	Mx	.018	2
106	MP3B	X	36.439	2
107	MP3B	Z	-21.038	2
108	MP3B	Mx	-.018	2
109	MP3C	X	55.119	2
110	MP3C	Z	-31.823	2
111	MP3C	Mx	0	2
112	MP4A	X	41.413	2
113	MP4A	Z	-23.91	2
114	MP4A	Mx	.021	2
115	MP4B	X	41.413	2
116	MP4B	Z	-23.91	2
117	MP4B	Mx	-.021	2
118	MP4C	X	55.119	2
119	MP4C	Z	-31.823	2
120	MP4C	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	31.313	2.25
2	MP2A	Z	0	2.25
3	MP2A	Mx	-.016	2.25
4	MP2A	X	31.313	3.25
5	MP2A	Z	0	3.25
6	MP2A	Mx	-.016	3.25
7	MP2B	X	51.422	2.25
8	MP2B	Z	0	2.25
9	MP2B	Mx	.02	2.25
10	MP2B	X	51.422	3.25
11	MP2B	Z	0	3.25
12	MP2B	Mx	.02	3.25
13	MP2C	X	51.422	2.25
14	MP2C	Z	0	2.25
15	MP2C	Mx	.02	2.25
16	MP2C	X	51.422	3.25
17	MP2C	Z	0	3.25
18	MP2C	Mx	.02	3.25
19	MP1A	X	91.876	1.5
20	MP1A	Z	0	1.5
21	MP1A	Mx	-.069	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP1A	X	91.876	4
23	MP1A	Z	0	4
24	MP1A	Mx	-.069	4
25	MP1B	X	60.03	1.5
26	MP1B	Z	0	1.5
27	MP1B	Mx	.026	1.5
28	MP1B	X	60.03	4
29	MP1B	Z	0	4
30	MP1B	Mx	.026	4
31	MP1C	X	52.893	1.5
32	MP1C	Z	0	1.5
33	MP1C	Mx	.017	1.5
34	MP1C	X	52.893	4
35	MP1C	Z	0	4
36	MP1C	Mx	.017	4
37	MP5A	X	91.876	1.5
38	MP5A	Z	0	1.5
39	MP5A	Mx	-.069	1.5
40	MP5A	X	91.876	4
41	MP5A	Z	0	4
42	MP5A	Mx	-.069	4
43	MP5B	X	60.03	1.5
44	MP5B	Z	0	1.5
45	MP5B	Mx	.026	1.5
46	MP5B	X	60.03	4
47	MP5B	Z	0	4
48	MP5B	Mx	.026	4
49	MP5C	X	52.893	1.5
50	MP5C	Z	0	1.5
51	MP5C	Mx	.017	1.5
52	MP5C	X	52.893	4
53	MP5C	Z	0	4
54	MP5C	Mx	.017	4
55	MP3A	X	101.822	.5
56	MP3A	Z	0	.5
57	MP3A	Mx	-.11	.5
58	MP3A	X	101.822	5.5
59	MP3A	Z	0	5.5
60	MP3A	Mx	-.11	5.5
61	MP3B	X	141.729	.5
62	MP3B	Z	0	.5
63	MP3B	Mx	-.005	.5
64	MP3B	X	141.729	5.5
65	MP3B	Z	0	5.5
66	MP3B	Mx	-.005	5.5
67	MP3C	X	141.729	.5
68	MP3C	Z	0	.5
69	MP3C	Mx	.159	.5
70	MP3C	X	141.729	5.5
71	MP3C	Z	0	5.5
72	MP3C	Mx	.159	5.5
73	MP3A	X	101.822	.5
74	MP3A	Z	0	.5
75	MP3A	Mx	-.11	.5
76	MP3A	X	101.822	5.5
77	MP3A	Z	0	5.5
78	MP3A	Mx	-.11	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
79	MP3B	X	141.729	.5
80	MP3B	Z	0	.5
81	MP3B	Mx	.159	.5
82	MP3B	X	141.729	5.5
83	MP3B	Z	0	5.5
84	MP3B	Mx	.159	5.5
85	MP3C	X	141.729	.5
86	MP3C	Z	0	.5
87	MP3C	Mx	-.005	.5
88	MP3C	X	141.729	5.5
89	MP3C	Z	0	5.5
90	MP3C	Mx	-.005	5.5
91	M128A	X	55.256	1
92	M128A	Z	0	1
93	M128A	Mx	0	1
94	MP3A	X	8.713	5.5
95	MP3A	Z	0	5.5
96	MP3A	Mx	.004	5.5
97	MP3B	X	11.623	5.5
98	MP3B	Z	0	5.5
99	MP3B	Mx	-.003	5.5
100	MP3C	X	11.623	5.5
101	MP3C	Z	0	5.5
102	MP3C	Mx	-.003	5.5
103	MP3A	X	34.886	2
104	MP3A	Z	0	2
105	MP3A	Mx	.017	2
106	MP3B	X	56.456	2
107	MP3B	Z	0	2
108	MP3B	Mx	-.014	2
109	MP3C	X	56.456	2
110	MP3C	Z	0	2
111	MP3C	Mx	-.014	2
112	MP4A	X	42.544	2
113	MP4A	Z	0	2
114	MP4A	Mx	.021	2
115	MP4B	X	58.371	2
116	MP4B	Z	0	2
117	MP4B	Mx	-.015	2
118	MP4C	X	58.371	2
119	MP4C	Z	0	2
120	MP4C	Mx	-.015	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	37.655	2.25
2	MP2A	Z	21.74	2.25
3	MP2A	Mx	-.019	2.25
4	MP2A	X	37.655	3.25
5	MP2A	Z	21.74	3.25
6	MP2A	Mx	-.019	3.25
7	MP2B	X	64.337	2.25
8	MP2B	Z	37.145	2.25
9	MP2B	Mx	.013	2.25
10	MP2B	X	64.337	3.25
11	MP2B	Z	37.145	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP2B	Mx	.013	3.25
13	MP2C	X	64.337	2.25
14	MP2C	Z	37.145	2.25
15	MP2C	Mx	.013	2.25
16	MP2C	X	64.337	3.25
17	MP2C	Z	37.145	3.25
18	MP2C	Mx	.013	3.25
19	MP1A	X	69.292	1.5
20	MP1A	Z	40.005	1.5
21	MP1A	Mx	-.052	1.5
22	MP1A	X	69.292	4
23	MP1A	Z	40.005	4
24	MP1A	Mx	-.052	4
25	MP1B	X	38.778	1.5
26	MP1B	Z	22.388	1.5
27	MP1B	Mx	.003	1.5
28	MP1B	X	38.778	4
29	MP1B	Z	22.388	4
30	MP1B	Mx	.003	4
31	MP1C	X	66.045	1.5
32	MP1C	Z	38.131	1.5
33	MP1C	Mx	.047	1.5
34	MP1C	X	66.045	4
35	MP1C	Z	38.131	4
36	MP1C	Mx	.047	4
37	MP5A	X	69.292	1.5
38	MP5A	Z	40.005	1.5
39	MP5A	Mx	-.052	1.5
40	MP5A	X	69.292	4
41	MP5A	Z	40.005	4
42	MP5A	Mx	-.052	4
43	MP5B	X	38.778	1.5
44	MP5B	Z	22.388	1.5
45	MP5B	Mx	.003	1.5
46	MP5B	X	38.778	4
47	MP5B	Z	22.388	4
48	MP5B	Mx	.003	4
49	MP5C	X	66.045	1.5
50	MP5C	Z	38.131	1.5
51	MP5C	Mx	.047	1.5
52	MP5C	X	66.045	4
53	MP5C	Z	38.131	4
54	MP5C	Mx	.047	4
55	MP3A	X	99.701	.5
56	MP3A	Z	57.562	.5
57	MP3A	Mx	-.07	.5
58	MP3A	X	99.701	5.5
59	MP3A	Z	57.562	5.5
60	MP3A	Mx	-.07	5.5
61	MP3B	X	134.261	.5
62	MP3B	Z	77.515	.5
63	MP3B	Mx	-.103	.5
64	MP3B	X	134.261	5.5
65	MP3B	Z	77.515	5.5
66	MP3B	Mx	-.103	5.5
67	MP3C	X	99.701	.5
68	MP3C	Z	57.562	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP3C	Mx	.146	.5
70	MP3C	X	99.701	5.5
71	MP3C	Z	57.562	5.5
72	MP3C	Mx	.146	5.5
73	MP3A	X	99.701	.5
74	MP3A	Z	57.562	.5
75	MP3A	Mx	-.146	.5
76	MP3A	X	99.701	5.5
77	MP3A	Z	57.562	5.5
78	MP3A	Mx	-.146	5.5
79	MP3B	X	134.261	.5
80	MP3B	Z	77.515	.5
81	MP3B	Mx	.103	.5
82	MP3B	X	134.261	5.5
83	MP3B	Z	77.515	5.5
84	MP3B	Mx	.103	5.5
85	MP3C	X	99.701	.5
86	MP3C	Z	57.562	.5
87	MP3C	Mx	.07	.5
88	MP3C	X	99.701	5.5
89	MP3C	Z	57.562	5.5
90	MP3C	Mx	.07	5.5
91	M128A	X	54.312	1
92	M128A	Z	31.357	1
93	M128A	Mx	0	1
94	MP3A	X	8.386	5.5
95	MP3A	Z	4.842	5.5
96	MP3A	Mx	.004	5.5
97	MP3B	X	10.906	5.5
98	MP3B	Z	6.297	5.5
99	MP3B	Mx	0	5.5
100	MP3C	X	8.386	5.5
101	MP3C	Z	4.842	5.5
102	MP3C	Mx	-.004	5.5
103	MP3A	X	36.439	2
104	MP3A	Z	21.038	2
105	MP3A	Mx	.018	2
106	MP3B	X	55.119	2
107	MP3B	Z	31.823	2
108	MP3B	Mx	0	2
109	MP3C	X	36.439	2
110	MP3C	Z	21.038	2
111	MP3C	Mx	-.018	2
112	MP4A	X	41.413	2
113	MP4A	Z	23.91	2
114	MP4A	Mx	.021	2
115	MP4B	X	55.119	2
116	MP4B	Z	31.823	2
117	MP4B	Mx	0	2
118	MP4C	X	41.413	2
119	MP4C	Z	23.91	2
120	MP4C	Mx	-.021	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	33.908	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP2A	Z	58.73	2.25
3	MP2A	Mx	-.017	2.25
4	MP2A	X	33.908	3.25
5	MP2A	Z	58.73	3.25
6	MP2A	Mx	-.017	3.25
7	MP2B	X	39.258	2.25
8	MP2B	Z	67.996	2.25
9	MP2B	Mx	-.007	2.25
10	MP2B	X	39.258	3.25
11	MP2B	Z	67.996	3.25
12	MP2B	Mx	-.007	3.25
13	MP2C	X	39.258	2.25
14	MP2C	Z	67.996	2.25
15	MP2C	Mx	-.007	2.25
16	MP2C	X	39.258	3.25
17	MP2C	Z	67.996	3.25
18	MP2C	Mx	-.007	3.25
19	MP1A	X	28.141	1.5
20	MP1A	Z	48.741	1.5
21	MP1A	Mx	-.021	1.5
22	MP1A	X	28.141	4
23	MP1A	Z	48.741	4
24	MP1A	Mx	-.021	4
25	MP1B	X	26.446	1.5
26	MP1B	Z	45.806	1.5
27	MP1B	Mx	-.017	1.5
28	MP1B	X	26.446	4
29	MP1B	Z	45.806	4
30	MP1B	Mx	-.017	4
31	MP1C	X	45.758	1.5
32	MP1C	Z	79.255	1.5
33	MP1C	Mx	.068	1.5
34	MP1C	X	45.758	4
35	MP1C	Z	79.255	4
36	MP1C	Mx	.068	4
37	MP5A	X	28.141	1.5
38	MP5A	Z	48.741	1.5
39	MP5A	Mx	-.021	1.5
40	MP5A	X	28.141	4
41	MP5A	Z	48.741	4
42	MP5A	Mx	-.021	4
43	MP5B	X	26.446	1.5
44	MP5B	Z	45.806	1.5
45	MP5B	Mx	-.017	1.5
46	MP5B	X	26.446	4
47	MP5B	Z	45.806	4
48	MP5B	Mx	-.017	4
49	MP5C	X	45.758	1.5
50	MP5C	Z	79.255	1.5
51	MP5C	Mx	.068	1.5
52	MP5C	X	45.758	4
53	MP5C	Z	79.255	4
54	MP5C	Mx	.068	4
55	MP3A	X	70.864	.5
56	MP3A	Z	122.741	.5
57	MP3A	Mx	.005	.5
58	MP3A	X	70.864	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP3A	Z	122.741	5.5
60	MP3A	Mx	.005	5.5
61	MP3B	X	70.864	.5
62	MP3B	Z	122.741	.5
63	MP3B	Mx	-.159	.5
64	MP3B	X	70.864	5.5
65	MP3B	Z	122.741	5.5
66	MP3B	Mx	-.159	5.5
67	MP3C	X	50.911	.5
68	MP3C	Z	88.181	.5
69	MP3C	Mx	.11	.5
70	MP3C	X	50.911	5.5
71	MP3C	Z	88.181	5.5
72	MP3C	Mx	.11	5.5
73	MP3A	X	70.864	.5
74	MP3A	Z	122.741	.5
75	MP3A	Mx	-.159	.5
76	MP3A	X	70.864	5.5
77	MP3A	Z	122.741	5.5
78	MP3A	Mx	-.159	5.5
79	MP3B	X	70.864	.5
80	MP3B	Z	122.741	.5
81	MP3B	Mx	.005	.5
82	MP3B	X	70.864	5.5
83	MP3B	Z	122.741	5.5
84	MP3B	Mx	.005	5.5
85	MP3C	X	50.911	.5
86	MP3C	Z	88.181	.5
87	MP3C	Mx	.11	.5
88	MP3C	X	50.911	5.5
89	MP3C	Z	88.181	5.5
90	MP3C	Mx	.11	5.5
91	M128A	X	38.815	1
92	M128A	Z	67.23	1
93	M128A	Mx	0	1
94	MP3A	X	5.812	5.5
95	MP3A	Z	10.066	5.5
96	MP3A	Mx	.003	5.5
97	MP3B	X	5.812	5.5
98	MP3B	Z	10.066	5.5
99	MP3B	Mx	.003	5.5
100	MP3C	X	4.357	5.5
101	MP3C	Z	7.546	5.5
102	MP3C	Mx	-.004	5.5
103	MP3A	X	28.228	2
104	MP3A	Z	48.892	2
105	MP3A	Mx	.014	2
106	MP3B	X	28.228	2
107	MP3B	Z	48.892	2
108	MP3B	Mx	.014	2
109	MP3C	X	17.443	2
110	MP3C	Z	30.212	2
111	MP3C	Mx	-.017	2
112	MP4A	X	29.185	2
113	MP4A	Z	50.55	2
114	MP4A	Mx	.015	2
115	MP4B	X	29.185	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
116	MP4B	Z	50.55	2
117	MP4B	Mx	.015	2
118	MP4C	X	21.272	2
119	MP4C	Z	36.844	2
120	MP4C	Mx	-.021	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2.25
2	MP2A	Z	79.983	2.25
3	MP2A	Mx	0	2.25
4	MP2A	X	0	3.25
5	MP2A	Z	79.983	3.25
6	MP2A	Mx	0	3.25
7	MP2B	X	0	2.25
8	MP2B	Z	59.874	2.25
9	MP2B	Mx	-.019	2.25
10	MP2B	X	0	3.25
11	MP2B	Z	59.874	3.25
12	MP2B	Mx	-.019	3.25
13	MP2C	X	0	2.25
14	MP2C	Z	59.874	2.25
15	MP2C	Mx	-.019	2.25
16	MP2C	X	0	3.25
17	MP2C	Z	59.874	3.25
18	MP2C	Mx	-.019	3.25
19	MP1A	X	0	1.5
20	MP1A	Z	44.416	1.5
21	MP1A	Mx	0	1.5
22	MP1A	X	0	4
23	MP1A	Z	44.416	4
24	MP1A	Mx	0	4
25	MP1B	X	0	1.5
26	MP1B	Z	76.262	1.5
27	MP1B	Mx	-.047	1.5
28	MP1B	X	0	4
29	MP1B	Z	76.262	4
30	MP1B	Mx	-.047	4
31	MP1C	X	0	1.5
32	MP1C	Z	83.399	1.5
33	MP1C	Mx	.057	1.5
34	MP1C	X	0	4
35	MP1C	Z	83.399	4
36	MP1C	Mx	.057	4
37	MP5A	X	0	1.5
38	MP5A	Z	44.416	1.5
39	MP5A	Mx	0	1.5
40	MP5A	X	0	4
41	MP5A	Z	44.416	4
42	MP5A	Mx	0	4
43	MP5B	X	0	1.5
44	MP5B	Z	76.262	1.5
45	MP5B	Mx	-.047	1.5
46	MP5B	X	0	4
47	MP5B	Z	76.262	4
48	MP5B	Mx	-.047	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP5C	X	0	1.5
50	MP5C	Z	83.399	1.5
51	MP5C	Mx	.057	1.5
52	MP5C	X	0	4
53	MP5C	Z	83.399	4
54	MP5C	Mx	.057	4
55	MP3A	X	0	.5
56	MP3A	Z	155.031	.5
57	MP3A	Mx	.103	.5
58	MP3A	X	0	5.5
59	MP3A	Z	155.031	5.5
60	MP3A	Mx	.103	5.5
61	MP3B	X	0	.5
62	MP3B	Z	115.124	.5
63	MP3B	Mx	-.146	.5
64	MP3B	X	0	5.5
65	MP3B	Z	115.124	5.5
66	MP3B	Mx	-.146	5.5
67	MP3C	X	0	.5
68	MP3C	Z	115.124	.5
69	MP3C	Mx	.07	.5
70	MP3C	X	0	5.5
71	MP3C	Z	115.124	5.5
72	MP3C	Mx	.07	5.5
73	MP3A	X	0	.5
74	MP3A	Z	155.031	.5
75	MP3A	Mx	-.103	.5
76	MP3A	X	0	5.5
77	MP3A	Z	155.031	5.5
78	MP3A	Mx	-.103	5.5
79	MP3B	X	0	.5
80	MP3B	Z	115.124	.5
81	MP3B	Mx	-.07	.5
82	MP3B	X	0	5.5
83	MP3B	Z	115.124	5.5
84	MP3B	Mx	-.07	5.5
85	MP3C	X	0	.5
86	MP3C	Z	115.124	.5
87	MP3C	Mx	.146	.5
88	MP3C	X	0	5.5
89	MP3C	Z	115.124	5.5
90	MP3C	Mx	.146	5.5
91	M128A	X	0	1
92	M128A	Z	85.088	1
93	M128A	Mx	0	1
94	MP3A	X	0	5.5
95	MP3A	Z	12.593	5.5
96	MP3A	Mx	0	5.5
97	MP3B	X	0	5.5
98	MP3B	Z	9.683	5.5
99	MP3B	Mx	.004	5.5
100	MP3C	X	0	5.5
101	MP3C	Z	9.683	5.5
102	MP3C	Mx	-.004	5.5
103	MP3A	X	0	2
104	MP3A	Z	63.646	2
105	MP3A	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
106	MP3B	X	0	2
107	MP3B	Z	42.076	2
108	MP3B	Mx	.018	2
109	MP3C	X	0	2
110	MP3C	Z	42.076	2
111	MP3C	Mx	-.018	2
112	MP4A	X	0	2
113	MP4A	Z	63.646	2
114	MP4A	Mx	0	2
115	MP4B	X	0	2
116	MP4B	Z	47.82	2
117	MP4B	Mx	.021	2
118	MP4C	X	0	2
119	MP4C	Z	47.82	2
120	MP4C	Mx	-.021	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-33.908	2.25
2	MP2A	Z	58.73	2.25
3	MP2A	Mx	.017	2.25
4	MP2A	X	-33.908	3.25
5	MP2A	Z	58.73	3.25
6	MP2A	Mx	.017	3.25
7	MP2B	X	-18.503	2.25
8	MP2B	Z	32.049	2.25
9	MP2B	Mx	-.017	2.25
10	MP2B	X	-18.503	3.25
11	MP2B	Z	32.049	3.25
12	MP2B	Mx	-.017	3.25
13	MP2C	X	-18.503	2.25
14	MP2C	Z	32.049	2.25
15	MP2C	Mx	-.017	2.25
16	MP2C	X	-18.503	3.25
17	MP2C	Z	32.049	3.25
18	MP2C	Mx	-.017	3.25
19	MP1A	X	-28.141	1.5
20	MP1A	Z	48.741	1.5
21	MP1A	Mx	.021	1.5
22	MP1A	X	-28.141	4
23	MP1A	Z	48.741	4
24	MP1A	Mx	.021	4
25	MP1B	X	-45.758	1.5
26	MP1B	Z	79.255	1.5
27	MP1B	Mx	-.068	1.5
28	MP1B	X	-45.758	4
29	MP1B	Z	79.255	4
30	MP1B	Mx	-.068	4
31	MP1C	X	-30.015	1.5
32	MP1C	Z	51.987	1.5
33	MP1C	Mx	.026	1.5
34	MP1C	X	-30.015	4
35	MP1C	Z	51.987	4
36	MP1C	Mx	.026	4
37	MP5A	X	-28.141	1.5
38	MP5A	Z	48.741	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	MP5A	Mx	.021	1.5
40	MP5A	X	-28.141	4
41	MP5A	Z	48.741	4
42	MP5A	Mx	.021	4
43	MP5B	X	-45.758	1.5
44	MP5B	Z	79.255	1.5
45	MP5B	Mx	-.068	1.5
46	MP5B	X	-45.758	4
47	MP5B	Z	79.255	4
48	MP5B	Mx	-.068	4
49	MP5C	X	-30.015	1.5
50	MP5C	Z	51.987	1.5
51	MP5C	Mx	.026	1.5
52	MP5C	X	-30.015	4
53	MP5C	Z	51.987	4
54	MP5C	Mx	.026	4
55	MP3A	X	-70.864	.5
56	MP3A	Z	122.741	.5
57	MP3A	Mx	.159	.5
58	MP3A	X	-70.864	5.5
59	MP3A	Z	122.741	5.5
60	MP3A	Mx	.159	5.5
61	MP3B	X	-50.911	.5
62	MP3B	Z	88.181	.5
63	MP3B	Mx	-.11	.5
64	MP3B	X	-50.911	5.5
65	MP3B	Z	88.181	5.5
66	MP3B	Mx	-.11	5.5
67	MP3C	X	-70.864	.5
68	MP3C	Z	122.741	.5
69	MP3C	Mx	-.005	.5
70	MP3C	X	-70.864	5.5
71	MP3C	Z	122.741	5.5
72	MP3C	Mx	-.005	5.5
73	MP3A	X	-70.864	.5
74	MP3A	Z	122.741	.5
75	MP3A	Mx	-.005	.5
76	MP3A	X	-70.864	5.5
77	MP3A	Z	122.741	5.5
78	MP3A	Mx	-.005	5.5
79	MP3B	X	-50.911	.5
80	MP3B	Z	88.181	.5
81	MP3B	Mx	-.11	.5
82	MP3B	X	-50.911	5.5
83	MP3B	Z	88.181	5.5
84	MP3B	Mx	-.11	5.5
85	MP3C	X	-70.864	.5
86	MP3C	Z	122.741	.5
87	MP3C	Mx	.159	.5
88	MP3C	X	-70.864	5.5
89	MP3C	Z	122.741	5.5
90	MP3C	Mx	.159	5.5
91	M128A	X	-38.815	1
92	M128A	Z	67.23	1
93	M128A	Mx	0	1
94	MP3A	X	-5.812	5.5
95	MP3A	Z	10.066	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
96	MP3A	Mx	-.003	5.5
97	MP3B	X	-4.357	5.5
98	MP3B	Z	7.546	5.5
99	MP3B	Mx	.004	5.5
100	MP3C	X	-5.812	5.5
101	MP3C	Z	10.066	5.5
102	MP3C	Mx	-.003	5.5
103	MP3A	X	-28.228	2
104	MP3A	Z	48.892	2
105	MP3A	Mx	-.014	2
106	MP3B	X	-17.443	2
107	MP3B	Z	30.212	2
108	MP3B	Mx	.017	2
109	MP3C	X	-28.228	2
110	MP3C	Z	48.892	2
111	MP3C	Mx	-.014	2
112	MP4A	X	-29.185	2
113	MP4A	Z	50.55	2
114	MP4A	Mx	-.015	2
115	MP4B	X	-21.272	2
116	MP4B	Z	36.844	2
117	MP4B	Mx	.021	2
118	MP4C	X	-29.185	2
119	MP4C	Z	50.55	2
120	MP4C	Mx	-.015	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-37.655	2.25
2	MP2A	Z	21.74	2.25
3	MP2A	Mx	.019	2.25
4	MP2A	X	-37.655	3.25
5	MP2A	Z	21.74	3.25
6	MP2A	Mx	.019	3.25
7	MP2B	X	-28.389	2.25
8	MP2B	Z	16.39	2.25
9	MP2B	Mx	-.016	2.25
10	MP2B	X	-28.389	3.25
11	MP2B	Z	16.39	3.25
12	MP2B	Mx	-.016	3.25
13	MP2C	X	-28.389	2.25
14	MP2C	Z	16.39	2.25
15	MP2C	Mx	-.016	2.25
16	MP2C	X	-28.389	3.25
17	MP2C	Z	16.39	3.25
18	MP2C	Mx	-.016	3.25
19	MP1A	X	-69.292	1.5
20	MP1A	Z	40.005	1.5
21	MP1A	Mx	.052	1.5
22	MP1A	X	-69.292	4
23	MP1A	Z	40.005	4
24	MP1A	Mx	.052	4
25	MP1B	X	-72.226	1.5
26	MP1B	Z	41.7	1.5
27	MP1B	Mx	-.057	1.5
28	MP1B	X	-72.226	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP1B	Z	41.7	4
30	MP1B	Mx	-.057	4
31	MP1C	X	-38.778	1.5
32	MP1C	Z	22.388	1.5
33	MP1C	Mx	.003	1.5
34	MP1C	X	-38.778	4
35	MP1C	Z	22.388	4
36	MP1C	Mx	.003	4
37	MP5A	X	-69.292	1.5
38	MP5A	Z	40.005	1.5
39	MP5A	Mx	.052	1.5
40	MP5A	X	-69.292	4
41	MP5A	Z	40.005	4
42	MP5A	Mx	.052	4
43	MP5B	X	-72.226	1.5
44	MP5B	Z	41.7	1.5
45	MP5B	Mx	-.057	1.5
46	MP5B	X	-72.226	4
47	MP5B	Z	41.7	4
48	MP5B	Mx	-.057	4
49	MP5C	X	-38.778	1.5
50	MP5C	Z	22.388	1.5
51	MP5C	Mx	.003	1.5
52	MP5C	X	-38.778	4
53	MP5C	Z	22.388	4
54	MP5C	Mx	.003	4
55	MP3A	X	-99.701	.5
56	MP3A	Z	57.562	.5
57	MP3A	Mx	.146	.5
58	MP3A	X	-99.701	5.5
59	MP3A	Z	57.562	5.5
60	MP3A	Mx	.146	5.5
61	MP3B	X	-99.701	.5
62	MP3B	Z	57.562	.5
63	MP3B	Mx	-.07	.5
64	MP3B	X	-99.701	5.5
65	MP3B	Z	57.562	5.5
66	MP3B	Mx	-.07	5.5
67	MP3C	X	-134.261	.5
68	MP3C	Z	77.515	.5
69	MP3C	Mx	-.103	.5
70	MP3C	X	-134.261	5.5
71	MP3C	Z	77.515	5.5
72	MP3C	Mx	-.103	5.5
73	MP3A	X	-99.701	.5
74	MP3A	Z	57.562	.5
75	MP3A	Mx	.07	.5
76	MP3A	X	-99.701	5.5
77	MP3A	Z	57.562	5.5
78	MP3A	Mx	.07	5.5
79	MP3B	X	-99.701	.5
80	MP3B	Z	57.562	.5
81	MP3B	Mx	-.146	.5
82	MP3B	X	-99.701	5.5
83	MP3B	Z	57.562	5.5
84	MP3B	Mx	-.146	5.5
85	MP3C	X	-134.261	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP3C	Z	77.515	.5
87	MP3C	Mx	.103	.5
88	MP3C	X	-134.261	5.5
89	MP3C	Z	77.515	5.5
90	MP3C	Mx	.103	5.5
91	M128A	X	-54.312	1
92	M128A	Z	31.357	1
93	M128A	Mx	0	1
94	MP3A	X	-8.386	5.5
95	MP3A	Z	4.842	5.5
96	MP3A	Mx	-.004	5.5
97	MP3B	X	-8.386	5.5
98	MP3B	Z	4.842	5.5
99	MP3B	Mx	.004	5.5
100	MP3C	X	-10.906	5.5
101	MP3C	Z	6.297	5.5
102	MP3C	Mx	0	5.5
103	MP3A	X	-36.439	2
104	MP3A	Z	21.038	2
105	MP3A	Mx	-.018	2
106	MP3B	X	-36.439	2
107	MP3B	Z	21.038	2
108	MP3B	Mx	.018	2
109	MP3C	X	-55.119	2
110	MP3C	Z	31.823	2
111	MP3C	Mx	0	2
112	MP4A	X	-41.413	2
113	MP4A	Z	23.91	2
114	MP4A	Mx	-.021	2
115	MP4B	X	-41.413	2
116	MP4B	Z	23.91	2
117	MP4B	Mx	.021	2
118	MP4C	X	-55.119	2
119	MP4C	Z	31.823	2
120	MP4C	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-31.313	2.25
2	MP2A	Z	0	2.25
3	MP2A	Mx	.016	2.25
4	MP2A	X	-31.313	3.25
5	MP2A	Z	0	3.25
6	MP2A	Mx	.016	3.25
7	MP2B	X	-51.422	2.25
8	MP2B	Z	0	2.25
9	MP2B	Mx	-.02	2.25
10	MP2B	X	-51.422	3.25
11	MP2B	Z	0	3.25
12	MP2B	Mx	-.02	3.25
13	MP2C	X	-51.422	2.25
14	MP2C	Z	0	2.25
15	MP2C	Mx	-.02	2.25
16	MP2C	X	-51.422	3.25
17	MP2C	Z	0	3.25
18	MP2C	Mx	-.02	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP1A	X	-91.876	1.5
20	MP1A	Z	0	1.5
21	MP1A	Mx	.069	1.5
22	MP1A	X	-91.876	4
23	MP1A	Z	0	4
24	MP1A	Mx	.069	4
25	MP1B	X	-60.03	1.5
26	MP1B	Z	0	1.5
27	MP1B	Mx	-.026	1.5
28	MP1B	X	-60.03	4
29	MP1B	Z	0	4
30	MP1B	Mx	-.026	4
31	MP1C	X	-52.893	1.5
32	MP1C	Z	0	1.5
33	MP1C	Mx	-.017	1.5
34	MP1C	X	-52.893	4
35	MP1C	Z	0	4
36	MP1C	Mx	-.017	4
37	MP5A	X	-91.876	1.5
38	MP5A	Z	0	1.5
39	MP5A	Mx	.069	1.5
40	MP5A	X	-91.876	4
41	MP5A	Z	0	4
42	MP5A	Mx	.069	4
43	MP5B	X	-60.03	1.5
44	MP5B	Z	0	1.5
45	MP5B	Mx	-.026	1.5
46	MP5B	X	-60.03	4
47	MP5B	Z	0	4
48	MP5B	Mx	-.026	4
49	MP5C	X	-52.893	1.5
50	MP5C	Z	0	1.5
51	MP5C	Mx	-.017	1.5
52	MP5C	X	-52.893	4
53	MP5C	Z	0	4
54	MP5C	Mx	-.017	4
55	MP3A	X	-101.822	.5
56	MP3A	Z	0	.5
57	MP3A	Mx	.11	.5
58	MP3A	X	-101.822	5.5
59	MP3A	Z	0	5.5
60	MP3A	Mx	.11	5.5
61	MP3B	X	-141.729	.5
62	MP3B	Z	0	.5
63	MP3B	Mx	.005	.5
64	MP3B	X	-141.729	5.5
65	MP3B	Z	0	5.5
66	MP3B	Mx	.005	5.5
67	MP3C	X	-141.729	.5
68	MP3C	Z	0	.5
69	MP3C	Mx	-.159	.5
70	MP3C	X	-141.729	5.5
71	MP3C	Z	0	5.5
72	MP3C	Mx	-.159	5.5
73	MP3A	X	-101.822	.5
74	MP3A	Z	0	.5
75	MP3A	Mx	.11	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
76	MP3A	X	-101.822	5.5
77	MP3A	Z	0	5.5
78	MP3A	Mx	.11	5.5
79	MP3B	X	-141.729	.5
80	MP3B	Z	0	.5
81	MP3B	Mx	-.159	.5
82	MP3B	X	-141.729	5.5
83	MP3B	Z	0	5.5
84	MP3B	Mx	-.159	5.5
85	MP3C	X	-141.729	.5
86	MP3C	Z	0	.5
87	MP3C	Mx	.005	.5
88	MP3C	X	-141.729	5.5
89	MP3C	Z	0	5.5
90	MP3C	Mx	.005	5.5
91	M128A	X	-55.256	1
92	M128A	Z	0	1
93	M128A	Mx	0	1
94	MP3A	X	-8.713	5.5
95	MP3A	Z	0	5.5
96	MP3A	Mx	-.004	5.5
97	MP3B	X	-11.623	5.5
98	MP3B	Z	0	5.5
99	MP3B	Mx	.003	5.5
100	MP3C	X	-11.623	5.5
101	MP3C	Z	0	5.5
102	MP3C	Mx	.003	5.5
103	MP3A	X	-34.886	2
104	MP3A	Z	0	2
105	MP3A	Mx	-.017	2
106	MP3B	X	-56.456	2
107	MP3B	Z	0	2
108	MP3B	Mx	.014	2
109	MP3C	X	-56.456	2
110	MP3C	Z	0	2
111	MP3C	Mx	.014	2
112	MP4A	X	-42.544	2
113	MP4A	Z	0	2
114	MP4A	Mx	-.021	2
115	MP4B	X	-58.371	2
116	MP4B	Z	0	2
117	MP4B	Mx	.015	2
118	MP4C	X	-58.371	2
119	MP4C	Z	0	2
120	MP4C	Mx	.015	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-37.655	2.25
2	MP2A	Z	-21.74	2.25
3	MP2A	Mx	.019	2.25
4	MP2A	X	-37.655	3.25
5	MP2A	Z	-21.74	3.25
6	MP2A	Mx	.019	3.25
7	MP2B	X	-64.337	2.25
8	MP2B	Z	-37.145	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP2B	Mx	-.013	2.25
10	MP2B	X	-64.337	3.25
11	MP2B	Z	-37.145	3.25
12	MP2B	Mx	-.013	3.25
13	MP2C	X	-64.337	2.25
14	MP2C	Z	-37.145	2.25
15	MP2C	Mx	-.013	2.25
16	MP2C	X	-64.337	3.25
17	MP2C	Z	-37.145	3.25
18	MP2C	Mx	-.013	3.25
19	MP1A	X	-69.292	1.5
20	MP1A	Z	-40.005	1.5
21	MP1A	Mx	.052	1.5
22	MP1A	X	-69.292	4
23	MP1A	Z	-40.005	4
24	MP1A	Mx	.052	4
25	MP1B	X	-38.778	1.5
26	MP1B	Z	-22.388	1.5
27	MP1B	Mx	-.003	1.5
28	MP1B	X	-38.778	4
29	MP1B	Z	-22.388	4
30	MP1B	Mx	-.003	4
31	MP1C	X	-66.045	1.5
32	MP1C	Z	-38.131	1.5
33	MP1C	Mx	-.047	1.5
34	MP1C	X	-66.045	4
35	MP1C	Z	-38.131	4
36	MP1C	Mx	-.047	4
37	MP5A	X	-69.292	1.5
38	MP5A	Z	-40.005	1.5
39	MP5A	Mx	.052	1.5
40	MP5A	X	-69.292	4
41	MP5A	Z	-40.005	4
42	MP5A	Mx	.052	4
43	MP5B	X	-38.778	1.5
44	MP5B	Z	-22.388	1.5
45	MP5B	Mx	-.003	1.5
46	MP5B	X	-38.778	4
47	MP5B	Z	-22.388	4
48	MP5B	Mx	-.003	4
49	MP5C	X	-66.045	1.5
50	MP5C	Z	-38.131	1.5
51	MP5C	Mx	-.047	1.5
52	MP5C	X	-66.045	4
53	MP5C	Z	-38.131	4
54	MP5C	Mx	-.047	4
55	MP3A	X	-99.701	.5
56	MP3A	Z	-57.562	.5
57	MP3A	Mx	.07	.5
58	MP3A	X	-99.701	5.5
59	MP3A	Z	-57.562	5.5
60	MP3A	Mx	.07	5.5
61	MP3B	X	-134.261	.5
62	MP3B	Z	-77.515	.5
63	MP3B	Mx	.103	.5
64	MP3B	X	-134.261	5.5
65	MP3B	Z	-77.515	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP3B	Mx	.103	5.5
67	MP3C	X	-99.701	.5
68	MP3C	Z	-57.562	.5
69	MP3C	Mx	-.146	.5
70	MP3C	X	-99.701	5.5
71	MP3C	Z	-57.562	5.5
72	MP3C	Mx	-.146	5.5
73	MP3A	X	-99.701	.5
74	MP3A	Z	-57.562	.5
75	MP3A	Mx	.146	.5
76	MP3A	X	-99.701	5.5
77	MP3A	Z	-57.562	5.5
78	MP3A	Mx	.146	5.5
79	MP3B	X	-134.261	.5
80	MP3B	Z	-77.515	.5
81	MP3B	Mx	-.103	.5
82	MP3B	X	-134.261	5.5
83	MP3B	Z	-77.515	5.5
84	MP3B	Mx	-.103	5.5
85	MP3C	X	-99.701	.5
86	MP3C	Z	-57.562	.5
87	MP3C	Mx	-.07	.5
88	MP3C	X	-99.701	5.5
89	MP3C	Z	-57.562	5.5
90	MP3C	Mx	-.07	5.5
91	M128A	X	-54.312	1
92	M128A	Z	-31.357	1
93	M128A	Mx	0	1
94	MP3A	X	-8.386	5.5
95	MP3A	Z	-4.842	5.5
96	MP3A	Mx	-.004	5.5
97	MP3B	X	-10.906	5.5
98	MP3B	Z	-6.297	5.5
99	MP3B	Mx	0	5.5
100	MP3C	X	-8.386	5.5
101	MP3C	Z	-4.842	5.5
102	MP3C	Mx	.004	5.5
103	MP3A	X	-36.439	2
104	MP3A	Z	-21.038	2
105	MP3A	Mx	-.018	2
106	MP3B	X	-55.119	2
107	MP3B	Z	-31.823	2
108	MP3B	Mx	0	2
109	MP3C	X	-36.439	2
110	MP3C	Z	-21.038	2
111	MP3C	Mx	.018	2
112	MP4A	X	-41.413	2
113	MP4A	Z	-23.91	2
114	MP4A	Mx	-.021	2
115	MP4B	X	-55.119	2
116	MP4B	Z	-31.823	2
117	MP4B	Mx	0	2
118	MP4C	X	-41.413	2
119	MP4C	Z	-23.91	2
120	MP4C	Mx	.021	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-33.908	2.25
2	MP2A	Z	-58.73	2.25
3	MP2A	Mx	.017	2.25
4	MP2A	X	-33.908	3.25
5	MP2A	Z	-58.73	3.25
6	MP2A	Mx	.017	3.25
7	MP2B	X	-39.258	2.25
8	MP2B	Z	-67.996	2.25
9	MP2B	Mx	.007	2.25
10	MP2B	X	-39.258	3.25
11	MP2B	Z	-67.996	3.25
12	MP2B	Mx	.007	3.25
13	MP2C	X	-39.258	2.25
14	MP2C	Z	-67.996	2.25
15	MP2C	Mx	.007	2.25
16	MP2C	X	-39.258	3.25
17	MP2C	Z	-67.996	3.25
18	MP2C	Mx	.007	3.25
19	MP1A	X	-28.141	1.5
20	MP1A	Z	-48.741	1.5
21	MP1A	Mx	.021	1.5
22	MP1A	X	-28.141	4
23	MP1A	Z	-48.741	4
24	MP1A	Mx	.021	4
25	MP1B	X	-26.446	1.5
26	MP1B	Z	-45.806	1.5
27	MP1B	Mx	.017	1.5
28	MP1B	X	-26.446	4
29	MP1B	Z	-45.806	4
30	MP1B	Mx	.017	4
31	MP1C	X	-45.758	1.5
32	MP1C	Z	-79.255	1.5
33	MP1C	Mx	-.068	1.5
34	MP1C	X	-45.758	4
35	MP1C	Z	-79.255	4
36	MP1C	Mx	-.068	4
37	MP5A	X	-28.141	1.5
38	MP5A	Z	-48.741	1.5
39	MP5A	Mx	.021	1.5
40	MP5A	X	-28.141	4
41	MP5A	Z	-48.741	4
42	MP5A	Mx	.021	4
43	MP5B	X	-26.446	1.5
44	MP5B	Z	-45.806	1.5
45	MP5B	Mx	.017	1.5
46	MP5B	X	-26.446	4
47	MP5B	Z	-45.806	4
48	MP5B	Mx	.017	4
49	MP5C	X	-45.758	1.5
50	MP5C	Z	-79.255	1.5
51	MP5C	Mx	-.068	1.5
52	MP5C	X	-45.758	4
53	MP5C	Z	-79.255	4
54	MP5C	Mx	-.068	4
55	MP3A	X	-70.864	.5
56	MP3A	Z	-122.741	.5
57	MP3A	Mx	-.005	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	-70.864	5.5
59	MP3A	Z	-122.741	5.5
60	MP3A	Mx	-.005	5.5
61	MP3B	X	-70.864	.5
62	MP3B	Z	-122.741	.5
63	MP3B	Mx	.159	.5
64	MP3B	X	-70.864	5.5
65	MP3B	Z	-122.741	5.5
66	MP3B	Mx	.159	5.5
67	MP3C	X	-50.911	.5
68	MP3C	Z	-88.181	.5
69	MP3C	Mx	-.11	.5
70	MP3C	X	-50.911	5.5
71	MP3C	Z	-88.181	5.5
72	MP3C	Mx	-.11	5.5
73	MP3A	X	-70.864	.5
74	MP3A	Z	-122.741	.5
75	MP3A	Mx	.159	.5
76	MP3A	X	-70.864	5.5
77	MP3A	Z	-122.741	5.5
78	MP3A	Mx	.159	5.5
79	MP3B	X	-70.864	.5
80	MP3B	Z	-122.741	.5
81	MP3B	Mx	-.005	.5
82	MP3B	X	-70.864	5.5
83	MP3B	Z	-122.741	5.5
84	MP3B	Mx	-.005	5.5
85	MP3C	X	-50.911	.5
86	MP3C	Z	-88.181	.5
87	MP3C	Mx	-.11	.5
88	MP3C	X	-50.911	5.5
89	MP3C	Z	-88.181	5.5
90	MP3C	Mx	-.11	5.5
91	M128A	X	-38.815	1
92	M128A	Z	-67.23	1
93	M128A	Mx	0	1
94	MP3A	X	-5.812	5.5
95	MP3A	Z	-10.066	5.5
96	MP3A	Mx	-.003	5.5
97	MP3B	X	-5.812	5.5
98	MP3B	Z	-10.066	5.5
99	MP3B	Mx	-.003	5.5
100	MP3C	X	-4.357	5.5
101	MP3C	Z	-7.546	5.5
102	MP3C	Mx	.004	5.5
103	MP3A	X	-28.228	2
104	MP3A	Z	-48.892	2
105	MP3A	Mx	-.014	2
106	MP3B	X	-28.228	2
107	MP3B	Z	-48.892	2
108	MP3B	Mx	-.014	2
109	MP3C	X	-17.443	2
110	MP3C	Z	-30.212	2
111	MP3C	Mx	.017	2
112	MP4A	X	-29.185	2
113	MP4A	Z	-50.55	2
114	MP4A	Mx	-.015	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP4B	X	-29.185	2
116	MP4B	Z	-50.55	2
117	MP4B	Mx	-.015	2
118	MP4C	X	-21.272	2
119	MP4C	Z	-36.844	2
120	MP4C	Mx	.021	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2.25
2	MP2A	Z	-15.963	2.25
3	MP2A	Mx	0	2.25
4	MP2A	X	0	3.25
5	MP2A	Z	-15.963	3.25
6	MP2A	Mx	0	3.25
7	MP2B	X	0	2.25
8	MP2B	Z	-12.179	2.25
9	MP2B	Mx	.004	2.25
10	MP2B	X	0	3.25
11	MP2B	Z	-12.179	3.25
12	MP2B	Mx	.004	3.25
13	MP2C	X	0	2.25
14	MP2C	Z	-12.179	2.25
15	MP2C	Mx	.004	2.25
16	MP2C	X	0	3.25
17	MP2C	Z	-12.179	3.25
18	MP2C	Mx	.004	3.25
19	MP1A	X	0	1.5
20	MP1A	Z	-9.515	1.5
21	MP1A	Mx	0	1.5
22	MP1A	X	0	4
23	MP1A	Z	-9.515	4
24	MP1A	Mx	0	4
25	MP1B	X	0	1.5
26	MP1B	Z	-15.323	1.5
27	MP1B	Mx	.009	1.5
28	MP1B	X	0	4
29	MP1B	Z	-15.323	4
30	MP1B	Mx	.009	4
31	MP1C	X	0	1.5
32	MP1C	Z	-16.625	1.5
33	MP1C	Mx	-.011	1.5
34	MP1C	X	0	4
35	MP1C	Z	-16.625	4
36	MP1C	Mx	-.011	4
37	MP5A	X	0	1.5
38	MP5A	Z	-9.515	1.5
39	MP5A	Mx	0	1.5
40	MP5A	X	0	4
41	MP5A	Z	-9.515	4
42	MP5A	Mx	0	4
43	MP5B	X	0	1.5
44	MP5B	Z	-15.323	1.5
45	MP5B	Mx	.009	1.5
46	MP5B	X	0	4
47	MP5B	Z	-15.323	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP5B	Mx	.009	4
49	MP5C	X	0	1.5
50	MP5C	Z	-16.625	1.5
51	MP5C	Mx	-.011	1.5
52	MP5C	X	0	4
53	MP5C	Z	-16.625	4
54	MP5C	Mx	-.011	4
55	MP3A	X	0	.5
56	MP3A	Z	-30.008	.5
57	MP3A	Mx	-.02	.5
58	MP3A	X	0	5.5
59	MP3A	Z	-30.008	5.5
60	MP3A	Mx	-.02	5.5
61	MP3B	X	0	.5
62	MP3B	Z	-22.858	.5
63	MP3B	Mx	.029	.5
64	MP3B	X	0	5.5
65	MP3B	Z	-22.858	5.5
66	MP3B	Mx	.029	5.5
67	MP3C	X	0	.5
68	MP3C	Z	-22.858	.5
69	MP3C	Mx	-.014	.5
70	MP3C	X	0	5.5
71	MP3C	Z	-22.858	5.5
72	MP3C	Mx	-.014	5.5
73	MP3A	X	0	.5
74	MP3A	Z	-30.008	.5
75	MP3A	Mx	.02	.5
76	MP3A	X	0	5.5
77	MP3A	Z	-30.008	5.5
78	MP3A	Mx	.02	5.5
79	MP3B	X	0	.5
80	MP3B	Z	-22.858	.5
81	MP3B	Mx	.014	.5
82	MP3B	X	0	5.5
83	MP3B	Z	-22.858	5.5
84	MP3B	Mx	.014	5.5
85	MP3C	X	0	.5
86	MP3C	Z	-22.858	.5
87	MP3C	Mx	-.029	.5
88	MP3C	X	0	5.5
89	MP3C	Z	-22.858	5.5
90	MP3C	Mx	-.029	5.5
91	M128A	X	0	1
92	M128A	Z	-17.533	1
93	M128A	Mx	0	1
94	MP3A	X	0	5.5
95	MP3A	Z	-3.271	5.5
96	MP3A	Mx	0	5.5
97	MP3B	X	0	5.5
98	MP3B	Z	-2.659	5.5
99	MP3B	Mx	-.001	5.5
100	MP3C	X	0	5.5
101	MP3C	Z	-2.659	5.5
102	MP3C	Mx	.001	5.5
103	MP3A	X	0	2
104	MP3A	Z	-13.459	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
105	MP3A	Mx	0	2
106	MP3B	X	0	2
107	MP3B	Z	-9.282	2
108	MP3B	Mx	-.004	2
109	MP3C	X	0	2
110	MP3C	Z	-9.282	2
111	MP3C	Mx	.004	2
112	MP4A	X	0	2
113	MP4A	Z	-13.459	2
114	MP4A	Mx	0	2
115	MP4B	X	0	2
116	MP4B	Z	-10.388	2
117	MP4B	Mx	-.004	2
118	MP4C	X	0	2
119	MP4C	Z	-10.388	2
120	MP4C	Mx	.004	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	6.837	2.25
2	MP2A	Z	-11.841	2.25
3	MP2A	Mx	-.003	2.25
4	MP2A	X	6.837	3.25
5	MP2A	Z	-11.841	3.25
6	MP2A	Mx	-.003	3.25
7	MP2B	X	3.937	2.25
8	MP2B	Z	-6.82	2.25
9	MP2B	Mx	.004	2.25
10	MP2B	X	3.937	3.25
11	MP2B	Z	-6.82	3.25
12	MP2B	Mx	.004	3.25
13	MP2C	X	3.937	2.25
14	MP2C	Z	-6.82	2.25
15	MP2C	Mx	.004	2.25
16	MP2C	X	3.937	3.25
17	MP2C	Z	-6.82	3.25
18	MP2C	Mx	.004	3.25
19	MP1A	X	5.839	1.5
20	MP1A	Z	-10.114	1.5
21	MP1A	Mx	-.004	1.5
22	MP1A	X	5.839	4
23	MP1A	Z	-10.114	4
24	MP1A	Mx	-.004	4
25	MP1B	X	9.053	1.5
26	MP1B	Z	-15.68	1.5
27	MP1B	Mx	.014	1.5
28	MP1B	X	9.053	4
29	MP1B	Z	-15.68	4
30	MP1B	Mx	.014	4
31	MP1C	X	6.181	1.5
32	MP1C	Z	-10.706	1.5
33	MP1C	Mx	-.005	1.5
34	MP1C	X	6.181	4
35	MP1C	Z	-10.706	4
36	MP1C	Mx	-.005	4
37	MP5A	X	5.839	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP5A	Z	-10.114	1.5
39	MP5A	Mx	-.004	1.5
40	MP5A	X	5.839	4
41	MP5A	Z	-10.114	4
42	MP5A	Mx	-.004	4
43	MP5B	X	9.053	1.5
44	MP5B	Z	-15.68	1.5
45	MP5B	Mx	.014	1.5
46	MP5B	X	9.053	4
47	MP5B	Z	-15.68	4
48	MP5B	Mx	.014	4
49	MP5C	X	6.181	1.5
50	MP5C	Z	-10.706	1.5
51	MP5C	Mx	-.005	1.5
52	MP5C	X	6.181	4
53	MP5C	Z	-10.706	4
54	MP5C	Mx	-.005	4
55	MP3A	X	13.813	.5
56	MP3A	Z	-23.924	.5
57	MP3A	Mx	-.031	.5
58	MP3A	X	13.813	5.5
59	MP3A	Z	-23.924	5.5
60	MP3A	Mx	-.031	5.5
61	MP3B	X	10.237	.5
62	MP3B	Z	-17.732	.5
63	MP3B	Mx	.022	.5
64	MP3B	X	10.237	5.5
65	MP3B	Z	-17.732	5.5
66	MP3B	Mx	.022	5.5
67	MP3C	X	13.813	.5
68	MP3C	Z	-23.924	.5
69	MP3C	Mx	.000986	.5
70	MP3C	X	13.813	5.5
71	MP3C	Z	-23.924	5.5
72	MP3C	Mx	.000986	5.5
73	MP3A	X	13.813	.5
74	MP3A	Z	-23.924	.5
75	MP3A	Mx	.000985	.5
76	MP3A	X	13.813	5.5
77	MP3A	Z	-23.924	5.5
78	MP3A	Mx	.000985	5.5
79	MP3B	X	10.237	.5
80	MP3B	Z	-17.732	.5
81	MP3B	Mx	.022	.5
82	MP3B	X	10.237	5.5
83	MP3B	Z	-17.732	5.5
84	MP3B	Mx	.022	5.5
85	MP3C	X	13.813	.5
86	MP3C	Z	-23.924	.5
87	MP3C	Mx	-.031	.5
88	MP3C	X	13.813	5.5
89	MP3C	Z	-23.924	5.5
90	MP3C	Mx	-.031	5.5
91	M128A	X	8.062	1
92	M128A	Z	-13.964	1
93	M128A	Mx	0	1
94	MP3A	X	1.533	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP3A	Z	-2.656	5.5
96	MP3A	Mx	.000766	5.5
97	MP3B	X	1.228	5.5
98	MP3B	Z	-2.126	5.5
99	MP3B	Mx	-.001	5.5
100	MP3C	X	1.533	5.5
101	MP3C	Z	-2.656	5.5
102	MP3C	Mx	.000767	5.5
103	MP3A	X	6.033	2
104	MP3A	Z	-10.45	2
105	MP3A	Mx	.003	2
106	MP3B	X	3.945	2
107	MP3B	Z	-6.833	2
108	MP3B	Mx	-.004	2
109	MP3C	X	6.033	2
110	MP3C	Z	-10.45	2
111	MP3C	Mx	.003	2
112	MP4A	X	6.217	2
113	MP4A	Z	-10.769	2
114	MP4A	Mx	.003	2
115	MP4B	X	4.682	2
116	MP4B	Z	-8.11	2
117	MP4B	Mx	-.005	2
118	MP4C	X	6.217	2
119	MP4C	Z	-10.769	2
120	MP4C	Mx	.003	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	7.875	2.25
2	MP2A	Z	-4.547	2.25
3	MP2A	Mx	-.004	2.25
4	MP2A	X	7.875	3.25
5	MP2A	Z	-4.547	3.25
6	MP2A	Mx	-.004	3.25
7	MP2B	X	6.131	2.25
8	MP2B	Z	-3.54	2.25
9	MP2B	Mx	.003	2.25
10	MP2B	X	6.131	3.25
11	MP2B	Z	-3.54	3.25
12	MP2B	Mx	.003	3.25
13	MP2C	X	6.131	2.25
14	MP2C	Z	-3.54	2.25
15	MP2C	Mx	.003	2.25
16	MP2C	X	6.131	3.25
17	MP2C	Z	-3.54	3.25
18	MP2C	Mx	.003	3.25
19	MP1A	X	13.862	1.5
20	MP1A	Z	-8.003	1.5
21	MP1A	Mx	-.01	1.5
22	MP1A	X	13.862	4
23	MP1A	Z	-8.003	4
24	MP1A	Mx	-.01	4
25	MP1B	X	14.398	1.5
26	MP1B	Z	-8.312	1.5
27	MP1B	Mx	.011	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP1B	X	14.398	4
29	MP1B	Z	-8.312	4
30	MP1B	Mx	.011	4
31	MP1C	X	8.297	1.5
32	MP1C	Z	-4.79	1.5
33	MP1C	Mx	-.000626	1.5
34	MP1C	X	8.297	4
35	MP1C	Z	-4.79	4
36	MP1C	Mx	-.000626	4
37	MP5A	X	13.862	1.5
38	MP5A	Z	-8.003	1.5
39	MP5A	Mx	-.01	1.5
40	MP5A	X	13.862	4
41	MP5A	Z	-8.003	4
42	MP5A	Mx	-.01	4
43	MP5B	X	14.398	1.5
44	MP5B	Z	-8.312	1.5
45	MP5B	Mx	.011	1.5
46	MP5B	X	14.398	4
47	MP5B	Z	-8.312	4
48	MP5B	Mx	.011	4
49	MP5C	X	8.297	1.5
50	MP5C	Z	-4.79	1.5
51	MP5C	Mx	-.000626	1.5
52	MP5C	X	8.297	4
53	MP5C	Z	-4.79	4
54	MP5C	Mx	-.000626	4
55	MP3A	X	19.796	.5
56	MP3A	Z	-11.429	.5
57	MP3A	Mx	-.029	.5
58	MP3A	X	19.796	5.5
59	MP3A	Z	-11.429	5.5
60	MP3A	Mx	-.029	5.5
61	MP3B	X	19.796	.5
62	MP3B	Z	-11.429	.5
63	MP3B	Mx	.014	.5
64	MP3B	X	19.796	5.5
65	MP3B	Z	-11.429	5.5
66	MP3B	Mx	.014	5.5
67	MP3C	X	25.988	.5
68	MP3C	Z	-15.004	.5
69	MP3C	Mx	.02	.5
70	MP3C	X	25.988	5.5
71	MP3C	Z	-15.004	5.5
72	MP3C	Mx	.02	5.5
73	MP3A	X	19.796	.5
74	MP3A	Z	-11.429	.5
75	MP3A	Mx	-.014	.5
76	MP3A	X	19.796	5.5
77	MP3A	Z	-11.429	5.5
78	MP3A	Mx	-.014	5.5
79	MP3B	X	19.796	.5
80	MP3B	Z	-11.429	.5
81	MP3B	Mx	.029	.5
82	MP3B	X	19.796	5.5
83	MP3B	Z	-11.429	5.5
84	MP3B	Mx	.029	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
85	MP3C	X	25.988	.5
86	MP3C	Z	-15.004	.5
87	MP3C	Mx	-.02	.5
88	MP3C	X	25.988	5.5
89	MP3C	Z	-15.004	5.5
90	MP3C	Mx	-.02	5.5
91	M128A	X	11.525	1
92	M128A	Z	-6.654	1
93	M128A	Mx	0	1
94	MP3A	X	2.303	5.5
95	MP3A	Z	-1.33	5.5
96	MP3A	Mx	.001	5.5
97	MP3B	X	2.303	5.5
98	MP3B	Z	-1.33	5.5
99	MP3B	Mx	-.001	5.5
100	MP3C	X	2.833	5.5
101	MP3C	Z	-1.635	5.5
102	MP3C	Mx	0	5.5
103	MP3A	X	8.039	2
104	MP3A	Z	-4.641	2
105	MP3A	Mx	.004	2
106	MP3B	X	8.039	2
107	MP3B	Z	-4.641	2
108	MP3B	Mx	-.004	2
109	MP3C	X	11.655	2
110	MP3C	Z	-6.729	2
111	MP3C	Mx	0	2
112	MP4A	X	8.996	2
113	MP4A	Z	-5.194	2
114	MP4A	Mx	.004	2
115	MP4B	X	8.996	2
116	MP4B	Z	-5.194	2
117	MP4B	Mx	-.004	2
118	MP4C	X	11.655	2
119	MP4C	Z	-6.729	2
120	MP4C	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	6.803	2.25
2	MP2A	Z	0	2.25
3	MP2A	Mx	-.003	2.25
4	MP2A	X	6.803	3.25
5	MP2A	Z	0	3.25
6	MP2A	Mx	-.003	3.25
7	MP2B	X	10.588	2.25
8	MP2B	Z	0	2.25
9	MP2B	Mx	.004	2.25
10	MP2B	X	10.588	3.25
11	MP2B	Z	0	3.25
12	MP2B	Mx	.004	3.25
13	MP2C	X	10.588	2.25
14	MP2C	Z	0	2.25
15	MP2C	Mx	.004	2.25
16	MP2C	X	10.588	3.25
17	MP2C	Z	0	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2C	Mx	.004	3.25
19	MP1A	X	18.171	1.5
20	MP1A	Z	0	1.5
21	MP1A	Mx	-.014	1.5
22	MP1A	X	18.171	4
23	MP1A	Z	0	4
24	MP1A	Mx	-.014	4
25	MP1B	X	12.362	1.5
26	MP1B	Z	0	1.5
27	MP1B	Mx	.005	1.5
28	MP1B	X	12.362	4
29	MP1B	Z	0	4
30	MP1B	Mx	.005	4
31	MP1C	X	11.061	1.5
32	MP1C	Z	0	1.5
33	MP1C	Mx	.004	1.5
34	MP1C	X	11.061	4
35	MP1C	Z	0	4
36	MP1C	Mx	.004	4
37	MP5A	X	18.171	1.5
38	MP5A	Z	0	1.5
39	MP5A	Mx	-.014	1.5
40	MP5A	X	18.171	4
41	MP5A	Z	0	4
42	MP5A	Mx	-.014	4
43	MP5B	X	12.362	1.5
44	MP5B	Z	0	1.5
45	MP5B	Mx	.005	1.5
46	MP5B	X	12.362	4
47	MP5B	Z	0	4
48	MP5B	Mx	.005	4
49	MP5C	X	11.061	1.5
50	MP5C	Z	0	1.5
51	MP5C	Mx	.004	1.5
52	MP5C	X	11.061	4
53	MP5C	Z	0	4
54	MP5C	Mx	.004	4
55	MP3A	X	20.475	.5
56	MP3A	Z	0	.5
57	MP3A	Mx	-.022	.5
58	MP3A	X	20.475	5.5
59	MP3A	Z	0	5.5
60	MP3A	Mx	-.022	5.5
61	MP3B	X	27.625	.5
62	MP3B	Z	0	.5
63	MP3B	Mx	-.000986	.5
64	MP3B	X	27.625	5.5
65	MP3B	Z	0	5.5
66	MP3B	Mx	-.000986	5.5
67	MP3C	X	27.625	.5
68	MP3C	Z	0	.5
69	MP3C	Mx	.031	.5
70	MP3C	X	27.625	5.5
71	MP3C	Z	0	5.5
72	MP3C	Mx	.031	5.5
73	MP3A	X	20.475	.5
74	MP3A	Z	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP3A	Mx	-.022	.5
76	MP3A	X	20.475	5.5
77	MP3A	Z	0	5.5
78	MP3A	Mx	-.022	5.5
79	MP3B	X	27.625	.5
80	MP3B	Z	0	.5
81	MP3B	Mx	.031	.5
82	MP3B	X	27.625	5.5
83	MP3B	Z	0	5.5
84	MP3B	Mx	.031	5.5
85	MP3C	X	27.625	.5
86	MP3C	Z	0	.5
87	MP3C	Mx	-.000986	.5
88	MP3C	X	27.625	5.5
89	MP3C	Z	0	5.5
90	MP3C	Mx	-.000986	5.5
91	M128A	X	11.9	1
92	M128A	Z	0	1
93	M128A	Mx	0	1
94	MP3A	X	2.455	5.5
95	MP3A	Z	0	5.5
96	MP3A	Mx	.001	5.5
97	MP3B	X	3.067	5.5
98	MP3B	Z	0	5.5
99	MP3B	Mx	-.000767	5.5
100	MP3C	X	3.067	5.5
101	MP3C	Z	0	5.5
102	MP3C	Mx	-.000767	5.5
103	MP3A	X	7.89	2
104	MP3A	Z	0	2
105	MP3A	Mx	.004	2
106	MP3B	X	12.066	2
107	MP3B	Z	0	2
108	MP3B	Mx	-.003	2
109	MP3C	X	12.066	2
110	MP3C	Z	0	2
111	MP3C	Mx	-.003	2
112	MP4A	X	9.364	2
113	MP4A	Z	0	2
114	MP4A	Mx	.005	2
115	MP4B	X	12.435	2
116	MP4B	Z	0	2
117	MP4B	Mx	-.003	2
118	MP4C	X	12.435	2
119	MP4C	Z	0	2
120	MP4C	Mx	-.003	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	7.875	2.25
2	MP2A	Z	4.547	2.25
3	MP2A	Mx	-.004	2.25
4	MP2A	X	7.875	3.25
5	MP2A	Z	4.547	3.25
6	MP2A	Mx	-.004	3.25
7	MP2B	X	12.897	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP2B	Z	7.446	2.25
9	MP2B	Mx	.003	2.25
10	MP2B	X	12.897	3.25
11	MP2B	Z	7.446	3.25
12	MP2B	Mx	.003	3.25
13	MP2C	X	12.897	2.25
14	MP2C	Z	7.446	2.25
15	MP2C	Mx	.003	2.25
16	MP2C	X	12.897	3.25
17	MP2C	Z	7.446	3.25
18	MP2C	Mx	.003	3.25
19	MP1A	X	13.862	1.5
20	MP1A	Z	8.003	1.5
21	MP1A	Mx	-.01	1.5
22	MP1A	X	13.862	4
23	MP1A	Z	8.003	4
24	MP1A	Mx	-.01	4
25	MP1B	X	8.297	1.5
26	MP1B	Z	4.79	1.5
27	MP1B	Mx	.000626	1.5
28	MP1B	X	8.297	4
29	MP1B	Z	4.79	4
30	MP1B	Mx	.000626	4
31	MP1C	X	13.27	1.5
32	MP1C	Z	7.662	1.5
33	MP1C	Mx	.009	1.5
34	MP1C	X	13.27	4
35	MP1C	Z	7.662	4
36	MP1C	Mx	.009	4
37	MP5A	X	13.862	1.5
38	MP5A	Z	8.003	1.5
39	MP5A	Mx	-.01	1.5
40	MP5A	X	13.862	4
41	MP5A	Z	8.003	4
42	MP5A	Mx	-.01	4
43	MP5B	X	8.297	1.5
44	MP5B	Z	4.79	1.5
45	MP5B	Mx	.000626	1.5
46	MP5B	X	8.297	4
47	MP5B	Z	4.79	4
48	MP5B	Mx	.000626	4
49	MP5C	X	13.27	1.5
50	MP5C	Z	7.662	1.5
51	MP5C	Mx	.009	1.5
52	MP5C	X	13.27	4
53	MP5C	Z	7.662	4
54	MP5C	Mx	.009	4
55	MP3A	X	19.796	.5
56	MP3A	Z	11.429	.5
57	MP3A	Mx	-.014	.5
58	MP3A	X	19.796	5.5
59	MP3A	Z	11.429	5.5
60	MP3A	Mx	-.014	5.5
61	MP3B	X	25.988	.5
62	MP3B	Z	15.004	.5
63	MP3B	Mx	-.02	.5
64	MP3B	X	25.988	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP3B	Z	15.004	5.5
66	MP3B	Mx	-.02	5.5
67	MP3C	X	19.796	.5
68	MP3C	Z	11.429	.5
69	MP3C	Mx	.029	.5
70	MP3C	X	19.796	5.5
71	MP3C	Z	11.429	5.5
72	MP3C	Mx	.029	5.5
73	MP3A	X	19.796	.5
74	MP3A	Z	11.429	.5
75	MP3A	Mx	-.029	.5
76	MP3A	X	19.796	5.5
77	MP3A	Z	11.429	5.5
78	MP3A	Mx	-.029	5.5
79	MP3B	X	25.988	.5
80	MP3B	Z	15.004	.5
81	MP3B	Mx	.02	.5
82	MP3B	X	25.988	5.5
83	MP3B	Z	15.004	5.5
84	MP3B	Mx	.02	5.5
85	MP3C	X	19.796	.5
86	MP3C	Z	11.429	.5
87	MP3C	Mx	.014	.5
88	MP3C	X	19.796	5.5
89	MP3C	Z	11.429	5.5
90	MP3C	Mx	.014	5.5
91	M128A	X	11.525	1
92	M128A	Z	6.654	1
93	M128A	Mx	0	1
94	MP3A	X	2.303	5.5
95	MP3A	Z	1.33	5.5
96	MP3A	Mx	.001	5.5
97	MP3B	X	2.833	5.5
98	MP3B	Z	1.635	5.5
99	MP3B	Mx	0	5.5
100	MP3C	X	2.303	5.5
101	MP3C	Z	1.33	5.5
102	MP3C	Mx	-.001	5.5
103	MP3A	X	8.039	2
104	MP3A	Z	4.641	2
105	MP3A	Mx	.004	2
106	MP3B	X	11.655	2
107	MP3B	Z	6.729	2
108	MP3B	Mx	0	2
109	MP3C	X	8.039	2
110	MP3C	Z	4.641	2
111	MP3C	Mx	-.004	2
112	MP4A	X	8.996	2
113	MP4A	Z	5.194	2
114	MP4A	Mx	.004	2
115	MP4B	X	11.655	2
116	MP4B	Z	6.729	2
117	MP4B	Mx	0	2
118	MP4C	X	8.996	2
119	MP4C	Z	5.194	2
120	MP4C	Mx	-.004	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	6.837	2.25
2	MP2A	Z	11.841	2.25
3	MP2A	Mx	-.003	2.25
4	MP2A	X	6.837	3.25
5	MP2A	Z	11.841	3.25
6	MP2A	Mx	-.003	3.25
7	MP2B	X	7.844	2.25
8	MP2B	Z	13.585	2.25
9	MP2B	Mx	-.001	2.25
10	MP2B	X	7.844	3.25
11	MP2B	Z	13.585	3.25
12	MP2B	Mx	-.001	3.25
13	MP2C	X	7.844	2.25
14	MP2C	Z	13.585	2.25
15	MP2C	Mx	-.001	2.25
16	MP2C	X	7.844	3.25
17	MP2C	Z	13.585	3.25
18	MP2C	Mx	-.001	3.25
19	MP1A	X	5.839	1.5
20	MP1A	Z	10.114	1.5
21	MP1A	Mx	-.004	1.5
22	MP1A	X	5.839	4
23	MP1A	Z	10.114	4
24	MP1A	Mx	-.004	4
25	MP1B	X	5.53	1.5
26	MP1B	Z	9.579	1.5
27	MP1B	Mx	-.004	1.5
28	MP1B	X	5.53	4
29	MP1B	Z	9.579	4
30	MP1B	Mx	-.004	4
31	MP1C	X	9.053	1.5
32	MP1C	Z	15.68	1.5
33	MP1C	Mx	.014	1.5
34	MP1C	X	9.053	4
35	MP1C	Z	15.68	4
36	MP1C	Mx	.014	4
37	MP5A	X	5.839	1.5
38	MP5A	Z	10.114	1.5
39	MP5A	Mx	-.004	1.5
40	MP5A	X	5.839	4
41	MP5A	Z	10.114	4
42	MP5A	Mx	-.004	4
43	MP5B	X	5.53	1.5
44	MP5B	Z	9.579	1.5
45	MP5B	Mx	-.004	1.5
46	MP5B	X	5.53	4
47	MP5B	Z	9.579	4
48	MP5B	Mx	-.004	4
49	MP5C	X	9.053	1.5
50	MP5C	Z	15.68	1.5
51	MP5C	Mx	.014	1.5
52	MP5C	X	9.053	4
53	MP5C	Z	15.68	4
54	MP5C	Mx	.014	4
55	MP3A	X	13.813	.5
56	MP3A	Z	23.924	.5
57	MP3A	Mx	.000985	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	13.813	5.5
59	MP3A	Z	23.924	5.5
60	MP3A	Mx	.000985	5.5
61	MP3B	X	13.813	.5
62	MP3B	Z	23.924	.5
63	MP3B	Mx	-.031	.5
64	MP3B	X	13.813	5.5
65	MP3B	Z	23.924	5.5
66	MP3B	Mx	-.031	5.5
67	MP3C	X	10.237	.5
68	MP3C	Z	17.732	.5
69	MP3C	Mx	.022	.5
70	MP3C	X	10.237	5.5
71	MP3C	Z	17.732	5.5
72	MP3C	Mx	.022	5.5
73	MP3A	X	13.813	.5
74	MP3A	Z	23.924	.5
75	MP3A	Mx	-.031	.5
76	MP3A	X	13.813	5.5
77	MP3A	Z	23.924	5.5
78	MP3A	Mx	-.031	5.5
79	MP3B	X	13.813	.5
80	MP3B	Z	23.924	.5
81	MP3B	Mx	.000986	.5
82	MP3B	X	13.813	5.5
83	MP3B	Z	23.924	5.5
84	MP3B	Mx	.000986	5.5
85	MP3C	X	10.237	.5
86	MP3C	Z	17.732	.5
87	MP3C	Mx	.022	.5
88	MP3C	X	10.237	5.5
89	MP3C	Z	17.732	5.5
90	MP3C	Mx	.022	5.5
91	M128A	X	8.062	1
92	M128A	Z	13.964	1
93	M128A	Mx	0	1
94	MP3A	X	1.533	5.5
95	MP3A	Z	2.656	5.5
96	MP3A	Mx	.000766	5.5
97	MP3B	X	1.533	5.5
98	MP3B	Z	2.656	5.5
99	MP3B	Mx	.000767	5.5
100	MP3C	X	1.228	5.5
101	MP3C	Z	2.126	5.5
102	MP3C	Mx	-.001	5.5
103	MP3A	X	6.033	2
104	MP3A	Z	10.45	2
105	MP3A	Mx	.003	2
106	MP3B	X	6.033	2
107	MP3B	Z	10.45	2
108	MP3B	Mx	.003	2
109	MP3C	X	3.945	2
110	MP3C	Z	6.833	2
111	MP3C	Mx	-.004	2
112	MP4A	X	6.217	2
113	MP4A	Z	10.769	2
114	MP4A	Mx	.003	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP4B	X	6.217	2
116	MP4B	Z	10.769	2
117	MP4B	Mx	.003	2
118	MP4C	X	4.682	2
119	MP4C	Z	8.11	2
120	MP4C	Mx	-.005	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2.25
2	MP2A	Z	15.963	2.25
3	MP2A	Mx	0	2.25
4	MP2A	X	0	3.25
5	MP2A	Z	15.963	3.25
6	MP2A	Mx	0	3.25
7	MP2B	X	0	2.25
8	MP2B	Z	12.179	2.25
9	MP2B	Mx	-.004	2.25
10	MP2B	X	0	3.25
11	MP2B	Z	12.179	3.25
12	MP2B	Mx	-.004	3.25
13	MP2C	X	0	2.25
14	MP2C	Z	12.179	2.25
15	MP2C	Mx	-.004	2.25
16	MP2C	X	0	3.25
17	MP2C	Z	12.179	3.25
18	MP2C	Mx	-.004	3.25
19	MP1A	X	0	1.5
20	MP1A	Z	9.515	1.5
21	MP1A	Mx	0	1.5
22	MP1A	X	0	4
23	MP1A	Z	9.515	4
24	MP1A	Mx	0	4
25	MP1B	X	0	1.5
26	MP1B	Z	15.323	1.5
27	MP1B	Mx	-.009	1.5
28	MP1B	X	0	4
29	MP1B	Z	15.323	4
30	MP1B	Mx	-.009	4
31	MP1C	X	0	1.5
32	MP1C	Z	16.625	1.5
33	MP1C	Mx	.011	1.5
34	MP1C	X	0	4
35	MP1C	Z	16.625	4
36	MP1C	Mx	.011	4
37	MP5A	X	0	1.5
38	MP5A	Z	9.515	1.5
39	MP5A	Mx	0	1.5
40	MP5A	X	0	4
41	MP5A	Z	9.515	4
42	MP5A	Mx	0	4
43	MP5B	X	0	1.5
44	MP5B	Z	15.323	1.5
45	MP5B	Mx	-.009	1.5
46	MP5B	X	0	4
47	MP5B	Z	15.323	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP5B	Mx	-.009	4
49	MP5C	X	0	1.5
50	MP5C	Z	16.625	1.5
51	MP5C	Mx	.011	1.5
52	MP5C	X	0	4
53	MP5C	Z	16.625	4
54	MP5C	Mx	.011	4
55	MP3A	X	0	.5
56	MP3A	Z	30.008	.5
57	MP3A	Mx	.02	.5
58	MP3A	X	0	5.5
59	MP3A	Z	30.008	5.5
60	MP3A	Mx	.02	5.5
61	MP3B	X	0	.5
62	MP3B	Z	22.858	.5
63	MP3B	Mx	-.029	.5
64	MP3B	X	0	5.5
65	MP3B	Z	22.858	5.5
66	MP3B	Mx	-.029	5.5
67	MP3C	X	0	.5
68	MP3C	Z	22.858	.5
69	MP3C	Mx	.014	.5
70	MP3C	X	0	5.5
71	MP3C	Z	22.858	5.5
72	MP3C	Mx	.014	5.5
73	MP3A	X	0	.5
74	MP3A	Z	30.008	.5
75	MP3A	Mx	-.02	.5
76	MP3A	X	0	5.5
77	MP3A	Z	30.008	5.5
78	MP3A	Mx	-.02	5.5
79	MP3B	X	0	.5
80	MP3B	Z	22.858	.5
81	MP3B	Mx	-.014	.5
82	MP3B	X	0	5.5
83	MP3B	Z	22.858	5.5
84	MP3B	Mx	-.014	5.5
85	MP3C	X	0	.5
86	MP3C	Z	22.858	.5
87	MP3C	Mx	.029	.5
88	MP3C	X	0	5.5
89	MP3C	Z	22.858	5.5
90	MP3C	Mx	.029	5.5
91	M128A	X	0	1
92	M128A	Z	17.533	1
93	M128A	Mx	0	1
94	MP3A	X	0	5.5
95	MP3A	Z	3.271	5.5
96	MP3A	Mx	0	5.5
97	MP3B	X	0	5.5
98	MP3B	Z	2.659	5.5
99	MP3B	Mx	.001	5.5
100	MP3C	X	0	5.5
101	MP3C	Z	2.659	5.5
102	MP3C	Mx	-.001	5.5
103	MP3A	X	0	2
104	MP3A	Z	13.459	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
105	MP3A	Mx	0	2
106	MP3B	X	0	2
107	MP3B	Z	9.282	2
108	MP3B	Mx	.004	2
109	MP3C	X	0	2
110	MP3C	Z	9.282	2
111	MP3C	Mx	-.004	2
112	MP4A	X	0	2
113	MP4A	Z	13.459	2
114	MP4A	Mx	0	2
115	MP4B	X	0	2
116	MP4B	Z	10.388	2
117	MP4B	Mx	.004	2
118	MP4C	X	0	2
119	MP4C	Z	10.388	2
120	MP4C	Mx	-.004	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-6.837	2.25
2	MP2A	Z	11.841	2.25
3	MP2A	Mx	.003	2.25
4	MP2A	X	-6.837	3.25
5	MP2A	Z	11.841	3.25
6	MP2A	Mx	.003	3.25
7	MP2B	X	-3.937	2.25
8	MP2B	Z	6.82	2.25
9	MP2B	Mx	-.004	2.25
10	MP2B	X	-3.937	3.25
11	MP2B	Z	6.82	3.25
12	MP2B	Mx	-.004	3.25
13	MP2C	X	-3.937	2.25
14	MP2C	Z	6.82	2.25
15	MP2C	Mx	-.004	2.25
16	MP2C	X	-3.937	3.25
17	MP2C	Z	6.82	3.25
18	MP2C	Mx	-.004	3.25
19	MP1A	X	-5.839	1.5
20	MP1A	Z	10.114	1.5
21	MP1A	Mx	.004	1.5
22	MP1A	X	-5.839	4
23	MP1A	Z	10.114	4
24	MP1A	Mx	.004	4
25	MP1B	X	-9.053	1.5
26	MP1B	Z	15.68	1.5
27	MP1B	Mx	-.014	1.5
28	MP1B	X	-9.053	4
29	MP1B	Z	15.68	4
30	MP1B	Mx	-.014	4
31	MP1C	X	-6.181	1.5
32	MP1C	Z	10.706	1.5
33	MP1C	Mx	.005	1.5
34	MP1C	X	-6.181	4
35	MP1C	Z	10.706	4
36	MP1C	Mx	.005	4
37	MP5A	X	-5.839	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP5A	Z	10.114	1.5
39	MP5A	Mx	.004	1.5
40	MP5A	X	-5.839	4
41	MP5A	Z	10.114	4
42	MP5A	Mx	.004	4
43	MP5B	X	-9.053	1.5
44	MP5B	Z	15.68	1.5
45	MP5B	Mx	-.014	1.5
46	MP5B	X	-9.053	4
47	MP5B	Z	15.68	4
48	MP5B	Mx	-.014	4
49	MP5C	X	-6.181	1.5
50	MP5C	Z	10.706	1.5
51	MP5C	Mx	.005	1.5
52	MP5C	X	-6.181	4
53	MP5C	Z	10.706	4
54	MP5C	Mx	.005	4
55	MP3A	X	-13.813	.5
56	MP3A	Z	23.924	.5
57	MP3A	Mx	.031	.5
58	MP3A	X	-13.813	5.5
59	MP3A	Z	23.924	5.5
60	MP3A	Mx	.031	5.5
61	MP3B	X	-10.237	.5
62	MP3B	Z	17.732	.5
63	MP3B	Mx	-.022	.5
64	MP3B	X	-10.237	5.5
65	MP3B	Z	17.732	5.5
66	MP3B	Mx	-.022	5.5
67	MP3C	X	-13.813	.5
68	MP3C	Z	23.924	.5
69	MP3C	Mx	-.000986	.5
70	MP3C	X	-13.813	5.5
71	MP3C	Z	23.924	5.5
72	MP3C	Mx	-.000986	5.5
73	MP3A	X	-13.813	.5
74	MP3A	Z	23.924	.5
75	MP3A	Mx	-.000985	.5
76	MP3A	X	-13.813	5.5
77	MP3A	Z	23.924	5.5
78	MP3A	Mx	-.000985	5.5
79	MP3B	X	-10.237	.5
80	MP3B	Z	17.732	.5
81	MP3B	Mx	-.022	.5
82	MP3B	X	-10.237	5.5
83	MP3B	Z	17.732	5.5
84	MP3B	Mx	-.022	5.5
85	MP3C	X	-13.813	.5
86	MP3C	Z	23.924	.5
87	MP3C	Mx	.031	.5
88	MP3C	X	-13.813	5.5
89	MP3C	Z	23.924	5.5
90	MP3C	Mx	.031	5.5
91	M128A	X	-8.062	1
92	M128A	Z	13.964	1
93	M128A	Mx	0	1
94	MP3A	X	-1.533	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP3A	Z	2.656	5.5
96	MP3A	Mx	-.000766	5.5
97	MP3B	X	-1.228	5.5
98	MP3B	Z	2.126	5.5
99	MP3B	Mx	.001	5.5
100	MP3C	X	-1.533	5.5
101	MP3C	Z	2.656	5.5
102	MP3C	Mx	-.000767	5.5
103	MP3A	X	-6.033	2
104	MP3A	Z	10.45	2
105	MP3A	Mx	-.003	2
106	MP3B	X	-3.945	2
107	MP3B	Z	6.833	2
108	MP3B	Mx	.004	2
109	MP3C	X	-6.033	2
110	MP3C	Z	10.45	2
111	MP3C	Mx	-.003	2
112	MP4A	X	-6.217	2
113	MP4A	Z	10.769	2
114	MP4A	Mx	-.003	2
115	MP4B	X	-4.682	2
116	MP4B	Z	8.11	2
117	MP4B	Mx	.005	2
118	MP4C	X	-6.217	2
119	MP4C	Z	10.769	2
120	MP4C	Mx	-.003	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-7.875	2.25
2	MP2A	Z	4.547	2.25
3	MP2A	Mx	.004	2.25
4	MP2A	X	-7.875	3.25
5	MP2A	Z	4.547	3.25
6	MP2A	Mx	.004	3.25
7	MP2B	X	-6.131	2.25
8	MP2B	Z	3.54	2.25
9	MP2B	Mx	-.003	2.25
10	MP2B	X	-6.131	3.25
11	MP2B	Z	3.54	3.25
12	MP2B	Mx	-.003	3.25
13	MP2C	X	-6.131	2.25
14	MP2C	Z	3.54	2.25
15	MP2C	Mx	-.003	2.25
16	MP2C	X	-6.131	3.25
17	MP2C	Z	3.54	3.25
18	MP2C	Mx	-.003	3.25
19	MP1A	X	-13.862	1.5
20	MP1A	Z	8.003	1.5
21	MP1A	Mx	.01	1.5
22	MP1A	X	-13.862	4
23	MP1A	Z	8.003	4
24	MP1A	Mx	.01	4
25	MP1B	X	-14.398	1.5
26	MP1B	Z	8.312	1.5
27	MP1B	Mx	-.011	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP1B	X	-14.398	4
29	MP1B	Z	8.312	4
30	MP1B	Mx	-.011	4
31	MP1C	X	-8.297	1.5
32	MP1C	Z	4.79	1.5
33	MP1C	Mx	.000626	1.5
34	MP1C	X	-8.297	4
35	MP1C	Z	4.79	4
36	MP1C	Mx	.000626	4
37	MP5A	X	-13.862	1.5
38	MP5A	Z	8.003	1.5
39	MP5A	Mx	.01	1.5
40	MP5A	X	-13.862	4
41	MP5A	Z	8.003	4
42	MP5A	Mx	.01	4
43	MP5B	X	-14.398	1.5
44	MP5B	Z	8.312	1.5
45	MP5B	Mx	-.011	1.5
46	MP5B	X	-14.398	4
47	MP5B	Z	8.312	4
48	MP5B	Mx	-.011	4
49	MP5C	X	-8.297	1.5
50	MP5C	Z	4.79	1.5
51	MP5C	Mx	.000626	1.5
52	MP5C	X	-8.297	4
53	MP5C	Z	4.79	4
54	MP5C	Mx	.000626	4
55	MP3A	X	-19.796	.5
56	MP3A	Z	11.429	.5
57	MP3A	Mx	.029	.5
58	MP3A	X	-19.796	5.5
59	MP3A	Z	11.429	5.5
60	MP3A	Mx	.029	5.5
61	MP3B	X	-19.796	.5
62	MP3B	Z	11.429	.5
63	MP3B	Mx	-.014	.5
64	MP3B	X	-19.796	5.5
65	MP3B	Z	11.429	5.5
66	MP3B	Mx	-.014	5.5
67	MP3C	X	-25.988	.5
68	MP3C	Z	15.004	.5
69	MP3C	Mx	-.02	.5
70	MP3C	X	-25.988	5.5
71	MP3C	Z	15.004	5.5
72	MP3C	Mx	-.02	5.5
73	MP3A	X	-19.796	.5
74	MP3A	Z	11.429	.5
75	MP3A	Mx	.014	.5
76	MP3A	X	-19.796	5.5
77	MP3A	Z	11.429	5.5
78	MP3A	Mx	.014	5.5
79	MP3B	X	-19.796	.5
80	MP3B	Z	11.429	.5
81	MP3B	Mx	-.029	.5
82	MP3B	X	-19.796	5.5
83	MP3B	Z	11.429	5.5
84	MP3B	Mx	-.029	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
85	MP3C	X	-25.988	.5
86	MP3C	Z	15.004	.5
87	MP3C	Mx	.02	.5
88	MP3C	X	-25.988	5.5
89	MP3C	Z	15.004	5.5
90	MP3C	Mx	.02	5.5
91	M128A	X	-11.525	1
92	M128A	Z	6.654	1
93	M128A	Mx	0	1
94	MP3A	X	-2.303	5.5
95	MP3A	Z	1.33	5.5
96	MP3A	Mx	-.001	5.5
97	MP3B	X	-2.303	5.5
98	MP3B	Z	1.33	5.5
99	MP3B	Mx	.001	5.5
100	MP3C	X	-2.833	5.5
101	MP3C	Z	1.635	5.5
102	MP3C	Mx	0	5.5
103	MP3A	X	-8.039	2
104	MP3A	Z	4.641	2
105	MP3A	Mx	-.004	2
106	MP3B	X	-8.039	2
107	MP3B	Z	4.641	2
108	MP3B	Mx	.004	2
109	MP3C	X	-11.655	2
110	MP3C	Z	6.729	2
111	MP3C	Mx	0	2
112	MP4A	X	-8.996	2
113	MP4A	Z	5.194	2
114	MP4A	Mx	-.004	2
115	MP4B	X	-8.996	2
116	MP4B	Z	5.194	2
117	MP4B	Mx	.004	2
118	MP4C	X	-11.655	2
119	MP4C	Z	6.729	2
120	MP4C	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-6.803	2.25
2	MP2A	Z	0	2.25
3	MP2A	Mx	.003	2.25
4	MP2A	X	-6.803	3.25
5	MP2A	Z	0	3.25
6	MP2A	Mx	.003	3.25
7	MP2B	X	-10.588	2.25
8	MP2B	Z	0	2.25
9	MP2B	Mx	-.004	2.25
10	MP2B	X	-10.588	3.25
11	MP2B	Z	0	3.25
12	MP2B	Mx	-.004	3.25
13	MP2C	X	-10.588	2.25
14	MP2C	Z	0	2.25
15	MP2C	Mx	-.004	2.25
16	MP2C	X	-10.588	3.25
17	MP2C	Z	0	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2C	Mx	-.004	3.25
19	MP1A	X	-18.171	1.5
20	MP1A	Z	0	1.5
21	MP1A	Mx	.014	1.5
22	MP1A	X	-18.171	4
23	MP1A	Z	0	4
24	MP1A	Mx	.014	4
25	MP1B	X	-12.362	1.5
26	MP1B	Z	0	1.5
27	MP1B	Mx	-.005	1.5
28	MP1B	X	-12.362	4
29	MP1B	Z	0	4
30	MP1B	Mx	-.005	4
31	MP1C	X	-11.061	1.5
32	MP1C	Z	0	1.5
33	MP1C	Mx	-.004	1.5
34	MP1C	X	-11.061	4
35	MP1C	Z	0	4
36	MP1C	Mx	-.004	4
37	MP5A	X	-18.171	1.5
38	MP5A	Z	0	1.5
39	MP5A	Mx	.014	1.5
40	MP5A	X	-18.171	4
41	MP5A	Z	0	4
42	MP5A	Mx	.014	4
43	MP5B	X	-12.362	1.5
44	MP5B	Z	0	1.5
45	MP5B	Mx	-.005	1.5
46	MP5B	X	-12.362	4
47	MP5B	Z	0	4
48	MP5B	Mx	-.005	4
49	MP5C	X	-11.061	1.5
50	MP5C	Z	0	1.5
51	MP5C	Mx	-.004	1.5
52	MP5C	X	-11.061	4
53	MP5C	Z	0	4
54	MP5C	Mx	-.004	4
55	MP3A	X	-20.475	.5
56	MP3A	Z	0	.5
57	MP3A	Mx	.022	.5
58	MP3A	X	-20.475	5.5
59	MP3A	Z	0	5.5
60	MP3A	Mx	.022	5.5
61	MP3B	X	-27.625	.5
62	MP3B	Z	0	.5
63	MP3B	Mx	.000986	.5
64	MP3B	X	-27.625	5.5
65	MP3B	Z	0	5.5
66	MP3B	Mx	.000986	5.5
67	MP3C	X	-27.625	.5
68	MP3C	Z	0	.5
69	MP3C	Mx	-.031	.5
70	MP3C	X	-27.625	5.5
71	MP3C	Z	0	5.5
72	MP3C	Mx	-.031	5.5
73	MP3A	X	-20.475	.5
74	MP3A	Z	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP3A	Mx	.022	.5
76	MP3A	X	-20.475	5.5
77	MP3A	Z	0	5.5
78	MP3A	Mx	.022	5.5
79	MP3B	X	-27.625	.5
80	MP3B	Z	0	.5
81	MP3B	Mx	-.031	.5
82	MP3B	X	-27.625	5.5
83	MP3B	Z	0	5.5
84	MP3B	Mx	-.031	5.5
85	MP3C	X	-27.625	.5
86	MP3C	Z	0	.5
87	MP3C	Mx	.000986	.5
88	MP3C	X	-27.625	5.5
89	MP3C	Z	0	5.5
90	MP3C	Mx	.000986	5.5
91	M128A	X	-11.9	1
92	M128A	Z	0	1
93	M128A	Mx	0	1
94	MP3A	X	-2.455	5.5
95	MP3A	Z	0	5.5
96	MP3A	Mx	-.001	5.5
97	MP3B	X	-3.067	5.5
98	MP3B	Z	0	5.5
99	MP3B	Mx	.000767	5.5
100	MP3C	X	-3.067	5.5
101	MP3C	Z	0	5.5
102	MP3C	Mx	.000767	5.5
103	MP3A	X	-7.89	2
104	MP3A	Z	0	2
105	MP3A	Mx	-.004	2
106	MP3B	X	-12.066	2
107	MP3B	Z	0	2
108	MP3B	Mx	.003	2
109	MP3C	X	-12.066	2
110	MP3C	Z	0	2
111	MP3C	Mx	.003	2
112	MP4A	X	-9.364	2
113	MP4A	Z	0	2
114	MP4A	Mx	-.005	2
115	MP4B	X	-12.435	2
116	MP4B	Z	0	2
117	MP4B	Mx	.003	2
118	MP4C	X	-12.435	2
119	MP4C	Z	0	2
120	MP4C	Mx	.003	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-7.875	2.25
2	MP2A	Z	-4.547	2.25
3	MP2A	Mx	.004	2.25
4	MP2A	X	-7.875	3.25
5	MP2A	Z	-4.547	3.25
6	MP2A	Mx	.004	3.25
7	MP2B	X	-12.897	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP2B	Z	-7.446	2.25
9	MP2B	Mx	-.003	2.25
10	MP2B	X	-12.897	3.25
11	MP2B	Z	-7.446	3.25
12	MP2B	Mx	-.003	3.25
13	MP2C	X	-12.897	2.25
14	MP2C	Z	-7.446	2.25
15	MP2C	Mx	-.003	2.25
16	MP2C	X	-12.897	3.25
17	MP2C	Z	-7.446	3.25
18	MP2C	Mx	-.003	3.25
19	MP1A	X	-13.862	1.5
20	MP1A	Z	-8.003	1.5
21	MP1A	Mx	.01	1.5
22	MP1A	X	-13.862	4
23	MP1A	Z	-8.003	4
24	MP1A	Mx	.01	4
25	MP1B	X	-8.297	1.5
26	MP1B	Z	-4.79	1.5
27	MP1B	Mx	-.000626	1.5
28	MP1B	X	-8.297	4
29	MP1B	Z	-4.79	4
30	MP1B	Mx	-.000626	4
31	MP1C	X	-13.27	1.5
32	MP1C	Z	-7.662	1.5
33	MP1C	Mx	-.009	1.5
34	MP1C	X	-13.27	4
35	MP1C	Z	-7.662	4
36	MP1C	Mx	-.009	4
37	MP5A	X	-13.862	1.5
38	MP5A	Z	-8.003	1.5
39	MP5A	Mx	.01	1.5
40	MP5A	X	-13.862	4
41	MP5A	Z	-8.003	4
42	MP5A	Mx	.01	4
43	MP5B	X	-8.297	1.5
44	MP5B	Z	-4.79	1.5
45	MP5B	Mx	-.000626	1.5
46	MP5B	X	-8.297	4
47	MP5B	Z	-4.79	4
48	MP5B	Mx	-.000626	4
49	MP5C	X	-13.27	1.5
50	MP5C	Z	-7.662	1.5
51	MP5C	Mx	-.009	1.5
52	MP5C	X	-13.27	4
53	MP5C	Z	-7.662	4
54	MP5C	Mx	-.009	4
55	MP3A	X	-19.796	.5
56	MP3A	Z	-11.429	.5
57	MP3A	Mx	.014	.5
58	MP3A	X	-19.796	5.5
59	MP3A	Z	-11.429	5.5
60	MP3A	Mx	.014	5.5
61	MP3B	X	-25.988	.5
62	MP3B	Z	-15.004	.5
63	MP3B	Mx	.02	.5
64	MP3B	X	-25.988	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP3B	Z	-15.004	5.5
66	MP3B	Mx	.02	5.5
67	MP3C	X	-19.796	.5
68	MP3C	Z	-11.429	.5
69	MP3C	Mx	-.029	.5
70	MP3C	X	-19.796	5.5
71	MP3C	Z	-11.429	5.5
72	MP3C	Mx	-.029	5.5
73	MP3A	X	-19.796	.5
74	MP3A	Z	-11.429	.5
75	MP3A	Mx	.029	.5
76	MP3A	X	-19.796	5.5
77	MP3A	Z	-11.429	5.5
78	MP3A	Mx	.029	5.5
79	MP3B	X	-25.988	.5
80	MP3B	Z	-15.004	.5
81	MP3B	Mx	-.02	.5
82	MP3B	X	-25.988	5.5
83	MP3B	Z	-15.004	5.5
84	MP3B	Mx	-.02	5.5
85	MP3C	X	-19.796	.5
86	MP3C	Z	-11.429	.5
87	MP3C	Mx	-.014	.5
88	MP3C	X	-19.796	5.5
89	MP3C	Z	-11.429	5.5
90	MP3C	Mx	-.014	5.5
91	M128A	X	-11.525	1
92	M128A	Z	-6.654	1
93	M128A	Mx	0	1
94	MP3A	X	-2.303	5.5
95	MP3A	Z	-1.33	5.5
96	MP3A	Mx	-.001	5.5
97	MP3B	X	-2.833	5.5
98	MP3B	Z	-1.635	5.5
99	MP3B	Mx	0	5.5
100	MP3C	X	-2.303	5.5
101	MP3C	Z	-1.33	5.5
102	MP3C	Mx	.001	5.5
103	MP3A	X	-8.039	2
104	MP3A	Z	-4.641	2
105	MP3A	Mx	-.004	2
106	MP3B	X	-11.655	2
107	MP3B	Z	-6.729	2
108	MP3B	Mx	0	2
109	MP3C	X	-8.039	2
110	MP3C	Z	-4.641	2
111	MP3C	Mx	.004	2
112	MP4A	X	-8.996	2
113	MP4A	Z	-5.194	2
114	MP4A	Mx	-.004	2
115	MP4B	X	-11.655	2
116	MP4B	Z	-6.729	2
117	MP4B	Mx	0	2
118	MP4C	X	-8.996	2
119	MP4C	Z	-5.194	2
120	MP4C	Mx	.004	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-6.837	2.25
2	MP2A	Z	-11.841	2.25
3	MP2A	Mx	.003	2.25
4	MP2A	X	-6.837	3.25
5	MP2A	Z	-11.841	3.25
6	MP2A	Mx	.003	3.25
7	MP2B	X	-7.844	2.25
8	MP2B	Z	-13.585	2.25
9	MP2B	Mx	.001	2.25
10	MP2B	X	-7.844	3.25
11	MP2B	Z	-13.585	3.25
12	MP2B	Mx	.001	3.25
13	MP2C	X	-7.844	2.25
14	MP2C	Z	-13.585	2.25
15	MP2C	Mx	.001	2.25
16	MP2C	X	-7.844	3.25
17	MP2C	Z	-13.585	3.25
18	MP2C	Mx	.001	3.25
19	MP1A	X	-5.839	1.5
20	MP1A	Z	-10.114	1.5
21	MP1A	Mx	.004	1.5
22	MP1A	X	-5.839	4
23	MP1A	Z	-10.114	4
24	MP1A	Mx	.004	4
25	MP1B	X	-5.53	1.5
26	MP1B	Z	-9.579	1.5
27	MP1B	Mx	.004	1.5
28	MP1B	X	-5.53	4
29	MP1B	Z	-9.579	4
30	MP1B	Mx	.004	4
31	MP1C	X	-9.053	1.5
32	MP1C	Z	-15.68	1.5
33	MP1C	Mx	-.014	1.5
34	MP1C	X	-9.053	4
35	MP1C	Z	-15.68	4
36	MP1C	Mx	-.014	4
37	MP5A	X	-5.839	1.5
38	MP5A	Z	-10.114	1.5
39	MP5A	Mx	.004	1.5
40	MP5A	X	-5.839	4
41	MP5A	Z	-10.114	4
42	MP5A	Mx	.004	4
43	MP5B	X	-5.53	1.5
44	MP5B	Z	-9.579	1.5
45	MP5B	Mx	.004	1.5
46	MP5B	X	-5.53	4
47	MP5B	Z	-9.579	4
48	MP5B	Mx	.004	4
49	MP5C	X	-9.053	1.5
50	MP5C	Z	-15.68	1.5
51	MP5C	Mx	-.014	1.5
52	MP5C	X	-9.053	4
53	MP5C	Z	-15.68	4
54	MP5C	Mx	-.014	4
55	MP3A	X	-13.813	.5
56	MP3A	Z	-23.924	.5
57	MP3A	Mx	-.000985	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	-13.813	5.5
59	MP3A	Z	-23.924	5.5
60	MP3A	Mx	-.000985	5.5
61	MP3B	X	-13.813	.5
62	MP3B	Z	-23.924	.5
63	MP3B	Mx	.031	.5
64	MP3B	X	-13.813	5.5
65	MP3B	Z	-23.924	5.5
66	MP3B	Mx	.031	5.5
67	MP3C	X	-10.237	.5
68	MP3C	Z	-17.732	.5
69	MP3C	Mx	-.022	.5
70	MP3C	X	-10.237	5.5
71	MP3C	Z	-17.732	5.5
72	MP3C	Mx	-.022	5.5
73	MP3A	X	-13.813	.5
74	MP3A	Z	-23.924	.5
75	MP3A	Mx	.031	.5
76	MP3A	X	-13.813	5.5
77	MP3A	Z	-23.924	5.5
78	MP3A	Mx	.031	5.5
79	MP3B	X	-13.813	.5
80	MP3B	Z	-23.924	.5
81	MP3B	Mx	-.000986	.5
82	MP3B	X	-13.813	5.5
83	MP3B	Z	-23.924	5.5
84	MP3B	Mx	-.000986	5.5
85	MP3C	X	-10.237	.5
86	MP3C	Z	-17.732	.5
87	MP3C	Mx	-.022	.5
88	MP3C	X	-10.237	5.5
89	MP3C	Z	-17.732	5.5
90	MP3C	Mx	-.022	5.5
91	M128A	X	-8.062	1
92	M128A	Z	-13.964	1
93	M128A	Mx	0	1
94	MP3A	X	-1.533	5.5
95	MP3A	Z	-2.656	5.5
96	MP3A	Mx	-.000766	5.5
97	MP3B	X	-1.533	5.5
98	MP3B	Z	-2.656	5.5
99	MP3B	Mx	-.000767	5.5
100	MP3C	X	-1.228	5.5
101	MP3C	Z	-2.126	5.5
102	MP3C	Mx	.001	5.5
103	MP3A	X	-6.033	2
104	MP3A	Z	-10.45	2
105	MP3A	Mx	-.003	2
106	MP3B	X	-6.033	2
107	MP3B	Z	-10.45	2
108	MP3B	Mx	-.003	2
109	MP3C	X	-3.945	2
110	MP3C	Z	-6.833	2
111	MP3C	Mx	.004	2
112	MP4A	X	-6.217	2
113	MP4A	Z	-10.769	2
114	MP4A	Mx	-.003	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP4B	X	-6.217	2
116	MP4B	Z	-10.769	2
117	MP4B	Mx	-.003	2
118	MP4C	X	-4.682	2
119	MP4C	Z	-8.11	2
120	MP4C	Mx	.005	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2.25
2	MP2A	Z	-5.083	2.25
3	MP2A	Mx	0	2.25
4	MP2A	X	0	3.25
5	MP2A	Z	-5.083	3.25
6	MP2A	Mx	0	3.25
7	MP2B	X	0	2.25
8	MP2B	Z	-3.805	2.25
9	MP2B	Mx	.001	2.25
10	MP2B	X	0	3.25
11	MP2B	Z	-3.805	3.25
12	MP2B	Mx	.001	3.25
13	MP2C	X	0	2.25
14	MP2C	Z	-3.805	2.25
15	MP2C	Mx	.001	2.25
16	MP2C	X	0	3.25
17	MP2C	Z	-3.805	3.25
18	MP2C	Mx	.001	3.25
19	MP1A	X	0	1.5
20	MP1A	Z	-2.823	1.5
21	MP1A	Mx	0	1.5
22	MP1A	X	0	4
23	MP1A	Z	-2.823	4
24	MP1A	Mx	0	4
25	MP1B	X	0	1.5
26	MP1B	Z	-4.847	1.5
27	MP1B	Mx	.003	1.5
28	MP1B	X	0	4
29	MP1B	Z	-4.847	4
30	MP1B	Mx	.003	4
31	MP1C	X	0	1.5
32	MP1C	Z	-5.3	1.5
33	MP1C	Mx	-.004	1.5
34	MP1C	X	0	4
35	MP1C	Z	-5.3	4
36	MP1C	Mx	-.004	4
37	MP5A	X	0	1.5
38	MP5A	Z	-2.823	1.5
39	MP5A	Mx	0	1.5
40	MP5A	X	0	4
41	MP5A	Z	-2.823	4
42	MP5A	Mx	0	4
43	MP5B	X	0	1.5
44	MP5B	Z	-4.847	1.5
45	MP5B	Mx	.003	1.5
46	MP5B	X	0	4
47	MP5B	Z	-4.847	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP5B	Mx	.003	4
49	MP5C	X	0	1.5
50	MP5C	Z	-5.3	1.5
51	MP5C	Mx	-.004	1.5
52	MP5C	X	0	4
53	MP5C	Z	-5.3	4
54	MP5C	Mx	-.004	4
55	MP3A	X	0	.5
56	MP3A	Z	-9.853	.5
57	MP3A	Mx	-.007	.5
58	MP3A	X	0	5.5
59	MP3A	Z	-9.853	5.5
60	MP3A	Mx	-.007	5.5
61	MP3B	X	0	.5
62	MP3B	Z	-7.317	.5
63	MP3B	Mx	.009	.5
64	MP3B	X	0	5.5
65	MP3B	Z	-7.317	5.5
66	MP3B	Mx	.009	5.5
67	MP3C	X	0	.5
68	MP3C	Z	-7.317	.5
69	MP3C	Mx	-.004	.5
70	MP3C	X	0	5.5
71	MP3C	Z	-7.317	5.5
72	MP3C	Mx	-.004	5.5
73	MP3A	X	0	.5
74	MP3A	Z	-9.853	.5
75	MP3A	Mx	.007	.5
76	MP3A	X	0	5.5
77	MP3A	Z	-9.853	5.5
78	MP3A	Mx	.007	5.5
79	MP3B	X	0	.5
80	MP3B	Z	-7.317	.5
81	MP3B	Mx	.004	.5
82	MP3B	X	0	5.5
83	MP3B	Z	-7.317	5.5
84	MP3B	Mx	.004	5.5
85	MP3C	X	0	.5
86	MP3C	Z	-7.317	.5
87	MP3C	Mx	-.009	.5
88	MP3C	X	0	5.5
89	MP3C	Z	-7.317	5.5
90	MP3C	Mx	-.009	5.5
91	M128A	X	0	1
92	M128A	Z	-5.408	1
93	M128A	Mx	0	1
94	MP3A	X	0	5.5
95	MP3A	Z	-.8	5.5
96	MP3A	Mx	0	5.5
97	MP3B	X	0	5.5
98	MP3B	Z	-.615	5.5
99	MP3B	Mx	-.000266	5.5
100	MP3C	X	0	5.5
101	MP3C	Z	-.615	5.5
102	MP3C	Mx	.000266	5.5
103	MP3A	X	0	2
104	MP3A	Z	-4.045	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
105	MP3A	Mx	0	2
106	MP3B	X	0	2
107	MP3B	Z	-2.674	2
108	MP3B	Mx	-.001	2
109	MP3C	X	0	2
110	MP3C	Z	-2.674	2
111	MP3C	Mx	.001	2
112	MP4A	X	0	2
113	MP4A	Z	-4.045	2
114	MP4A	Mx	0	2
115	MP4B	X	0	2
116	MP4B	Z	-3.039	2
117	MP4B	Mx	-.001	2
118	MP4C	X	0	2
119	MP4C	Z	-3.039	2
120	MP4C	Mx	.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.155	2.25
2	MP2A	Z	-3.733	2.25
3	MP2A	Mx	-.001	2.25
4	MP2A	X	2.155	3.25
5	MP2A	Z	-3.733	3.25
6	MP2A	Mx	-.001	3.25
7	MP2B	X	1.176	2.25
8	MP2B	Z	-2.037	2.25
9	MP2B	Mx	.001	2.25
10	MP2B	X	1.176	3.25
11	MP2B	Z	-2.037	3.25
12	MP2B	Mx	.001	3.25
13	MP2C	X	1.176	2.25
14	MP2C	Z	-2.037	2.25
15	MP2C	Mx	.001	2.25
16	MP2C	X	1.176	3.25
17	MP2C	Z	-2.037	3.25
18	MP2C	Mx	.001	3.25
19	MP1A	X	1.788	1.5
20	MP1A	Z	-3.098	1.5
21	MP1A	Mx	-.001	1.5
22	MP1A	X	1.788	4
23	MP1A	Z	-3.098	4
24	MP1A	Mx	-.001	4
25	MP1B	X	2.908	1.5
26	MP1B	Z	-5.037	1.5
27	MP1B	Mx	.004	1.5
28	MP1B	X	2.908	4
29	MP1B	Z	-5.037	4
30	MP1B	Mx	.004	4
31	MP1C	X	1.908	1.5
32	MP1C	Z	-3.304	1.5
33	MP1C	Mx	-.002	1.5
34	MP1C	X	1.908	4
35	MP1C	Z	-3.304	4
36	MP1C	Mx	-.002	4
37	MP5A	X	1.788	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP5A	Z	-3.098	1.5
39	MP5A	Mx	-.001	1.5
40	MP5A	X	1.788	4
41	MP5A	Z	-3.098	4
42	MP5A	Mx	-.001	4
43	MP5B	X	2.908	1.5
44	MP5B	Z	-5.037	1.5
45	MP5B	Mx	.004	1.5
46	MP5B	X	2.908	4
47	MP5B	Z	-5.037	4
48	MP5B	Mx	.004	4
49	MP5C	X	1.908	1.5
50	MP5C	Z	-3.304	1.5
51	MP5C	Mx	-.002	1.5
52	MP5C	X	1.908	4
53	MP5C	Z	-3.304	4
54	MP5C	Mx	-.002	4
55	MP3A	X	4.504	.5
56	MP3A	Z	-7.801	.5
57	MP3A	Mx	-.01	.5
58	MP3A	X	4.504	5.5
59	MP3A	Z	-7.801	5.5
60	MP3A	Mx	-.01	5.5
61	MP3B	X	3.236	.5
62	MP3B	Z	-5.604	.5
63	MP3B	Mx	.007	.5
64	MP3B	X	3.236	5.5
65	MP3B	Z	-5.604	5.5
66	MP3B	Mx	.007	5.5
67	MP3C	X	4.504	.5
68	MP3C	Z	-7.801	.5
69	MP3C	Mx	.000322	.5
70	MP3C	X	4.504	5.5
71	MP3C	Z	-7.801	5.5
72	MP3C	Mx	.000322	5.5
73	MP3A	X	4.504	.5
74	MP3A	Z	-7.801	.5
75	MP3A	Mx	.000321	.5
76	MP3A	X	4.504	5.5
77	MP3A	Z	-7.801	5.5
78	MP3A	Mx	.000321	5.5
79	MP3B	X	3.236	.5
80	MP3B	Z	-5.604	.5
81	MP3B	Mx	.007	.5
82	MP3B	X	3.236	5.5
83	MP3B	Z	-5.604	5.5
84	MP3B	Mx	.007	5.5
85	MP3C	X	4.504	.5
86	MP3C	Z	-7.801	.5
87	MP3C	Mx	-.01	.5
88	MP3C	X	4.504	5.5
89	MP3C	Z	-7.801	5.5
90	MP3C	Mx	-.01	5.5
91	M128A	X	2.467	1
92	M128A	Z	-4.273	1
93	M128A	Mx	0	1
94	MP3A	X	.369	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP3A	Z	-.64	5.5
96	MP3A	Mx	.000184	5.5
97	MP3B	X	.277	5.5
98	MP3B	Z	-.48	5.5
99	MP3B	Mx	-.000277	5.5
100	MP3C	X	.369	5.5
101	MP3C	Z	-.64	5.5
102	MP3C	Mx	.000185	5.5
103	MP3A	X	1.794	2
104	MP3A	Z	-3.107	2
105	MP3A	Mx	.000897	2
106	MP3B	X	1.109	2
107	MP3B	Z	-1.92	2
108	MP3B	Mx	-.001	2
109	MP3C	X	1.794	2
110	MP3C	Z	-3.107	2
111	MP3C	Mx	.000897	2
112	MP4A	X	1.855	2
113	MP4A	Z	-3.213	2
114	MP4A	Mx	.000927	2
115	MP4B	X	1.352	2
116	MP4B	Z	-2.342	2
117	MP4B	Mx	-.001	2
118	MP4C	X	1.855	2
119	MP4C	Z	-3.213	2
120	MP4C	Mx	.000928	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.393	2.25
2	MP2A	Z	-1.382	2.25
3	MP2A	Mx	-.001	2.25
4	MP2A	X	2.393	3.25
5	MP2A	Z	-1.382	3.25
6	MP2A	Mx	-.001	3.25
7	MP2B	X	1.804	2.25
8	MP2B	Z	-1.042	2.25
9	MP2B	Mx	.001	2.25
10	MP2B	X	1.804	3.25
11	MP2B	Z	-1.042	3.25
12	MP2B	Mx	.001	3.25
13	MP2C	X	1.804	2.25
14	MP2C	Z	-1.042	2.25
15	MP2C	Mx	.001	2.25
16	MP2C	X	1.804	3.25
17	MP2C	Z	-1.042	3.25
18	MP2C	Mx	.001	3.25
19	MP1A	X	4.404	1.5
20	MP1A	Z	-2.543	1.5
21	MP1A	Mx	-.003	1.5
22	MP1A	X	4.404	4
23	MP1A	Z	-2.543	4
24	MP1A	Mx	-.003	4
25	MP1B	X	4.59	1.5
26	MP1B	Z	-2.65	1.5
27	MP1B	Mx	.004	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP1B	X	4.59	4
29	MP1B	Z	-2.65	4
30	MP1B	Mx	.004	4
31	MP1C	X	2.465	1.5
32	MP1C	Z	-1.423	1.5
33	MP1C	Mx	-.000186	1.5
34	MP1C	X	2.465	4
35	MP1C	Z	-1.423	4
36	MP1C	Mx	-.000186	4
37	MP5A	X	4.404	1.5
38	MP5A	Z	-2.543	1.5
39	MP5A	Mx	-.003	1.5
40	MP5A	X	4.404	4
41	MP5A	Z	-2.543	4
42	MP5A	Mx	-.003	4
43	MP5B	X	4.59	1.5
44	MP5B	Z	-2.65	1.5
45	MP5B	Mx	.004	1.5
46	MP5B	X	4.59	4
47	MP5B	Z	-2.65	4
48	MP5B	Mx	.004	4
49	MP5C	X	2.465	1.5
50	MP5C	Z	-1.423	1.5
51	MP5C	Mx	-.000186	1.5
52	MP5C	X	2.465	4
53	MP5C	Z	-1.423	4
54	MP5C	Mx	-.000186	4
55	MP3A	X	6.336	.5
56	MP3A	Z	-3.658	.5
57	MP3A	Mx	-.009	.5
58	MP3A	X	6.336	5.5
59	MP3A	Z	-3.658	5.5
60	MP3A	Mx	-.009	5.5
61	MP3B	X	6.336	.5
62	MP3B	Z	-3.658	.5
63	MP3B	Mx	.004	.5
64	MP3B	X	6.336	5.5
65	MP3B	Z	-3.658	5.5
66	MP3B	Mx	.004	5.5
67	MP3C	X	8.533	.5
68	MP3C	Z	-4.926	.5
69	MP3C	Mx	.007	.5
70	MP3C	X	8.533	5.5
71	MP3C	Z	-4.926	5.5
72	MP3C	Mx	.007	5.5
73	MP3A	X	6.336	.5
74	MP3A	Z	-3.658	.5
75	MP3A	Mx	-.004	.5
76	MP3A	X	6.336	5.5
77	MP3A	Z	-3.658	5.5
78	MP3A	Mx	-.004	5.5
79	MP3B	X	6.336	.5
80	MP3B	Z	-3.658	.5
81	MP3B	Mx	.009	.5
82	MP3B	X	6.336	5.5
83	MP3B	Z	-3.658	5.5
84	MP3B	Mx	.009	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
85	MP3C	X	8.533	.5
86	MP3C	Z	-4.926	.5
87	MP3C	Mx	-.007	.5
88	MP3C	X	8.533	5.5
89	MP3C	Z	-4.926	5.5
90	MP3C	Mx	-.007	5.5
91	M128A	X	3.452	1
92	M128A	Z	-1.993	1
93	M128A	Mx	0	1
94	MP3A	X	.533	5.5
95	MP3A	Z	-.308	5.5
96	MP3A	Mx	.000266	5.5
97	MP3B	X	.533	5.5
98	MP3B	Z	-.308	5.5
99	MP3B	Mx	-.000267	5.5
100	MP3C	X	.693	5.5
101	MP3C	Z	-.4	5.5
102	MP3C	Mx	0	5.5
103	MP3A	X	2.316	2
104	MP3A	Z	-1.337	2
105	MP3A	Mx	.001	2
106	MP3B	X	2.316	2
107	MP3B	Z	-1.337	2
108	MP3B	Mx	-.001	2
109	MP3C	X	3.503	2
110	MP3C	Z	-2.023	2
111	MP3C	Mx	0	2
112	MP4A	X	2.632	2
113	MP4A	Z	-1.52	2
114	MP4A	Mx	.001	2
115	MP4B	X	2.632	2
116	MP4B	Z	-1.52	2
117	MP4B	Mx	-.001	2
118	MP4C	X	3.503	2
119	MP4C	Z	-2.023	2
120	MP4C	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	1.99	2.25
2	MP2A	Z	0	2.25
3	MP2A	Mx	-.000995	2.25
4	MP2A	X	1.99	3.25
5	MP2A	Z	0	3.25
6	MP2A	Mx	-.000995	3.25
7	MP2B	X	3.268	2.25
8	MP2B	Z	0	2.25
9	MP2B	Mx	.001	2.25
10	MP2B	X	3.268	3.25
11	MP2B	Z	0	3.25
12	MP2B	Mx	.001	3.25
13	MP2C	X	3.268	2.25
14	MP2C	Z	0	2.25
15	MP2C	Mx	.001	2.25
16	MP2C	X	3.268	3.25
17	MP2C	Z	0	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2C	Mx	.001	3.25
19	MP1A	X	5.839	1.5
20	MP1A	Z	0	1.5
21	MP1A	Mx	-.004	1.5
22	MP1A	X	5.839	4
23	MP1A	Z	0	4
24	MP1A	Mx	-.004	4
25	MP1B	X	3.815	1.5
26	MP1B	Z	0	1.5
27	MP1B	Mx	.002	1.5
28	MP1B	X	3.815	4
29	MP1B	Z	0	4
30	MP1B	Mx	.002	4
31	MP1C	X	3.362	1.5
32	MP1C	Z	0	1.5
33	MP1C	Mx	.001	1.5
34	MP1C	X	3.362	4
35	MP1C	Z	0	4
36	MP1C	Mx	.001	4
37	MP5A	X	5.839	1.5
38	MP5A	Z	0	1.5
39	MP5A	Mx	-.004	1.5
40	MP5A	X	5.839	4
41	MP5A	Z	0	4
42	MP5A	Mx	-.004	4
43	MP5B	X	3.815	1.5
44	MP5B	Z	0	1.5
45	MP5B	Mx	.002	1.5
46	MP5B	X	3.815	4
47	MP5B	Z	0	4
48	MP5B	Mx	.002	4
49	MP5C	X	3.362	1.5
50	MP5C	Z	0	1.5
51	MP5C	Mx	.001	1.5
52	MP5C	X	3.362	4
53	MP5C	Z	0	4
54	MP5C	Mx	.001	4
55	MP3A	X	6.471	.5
56	MP3A	Z	0	.5
57	MP3A	Mx	-.007	.5
58	MP3A	X	6.471	5.5
59	MP3A	Z	0	5.5
60	MP3A	Mx	-.007	5.5
61	MP3B	X	9.008	.5
62	MP3B	Z	0	.5
63	MP3B	Mx	-.000321	.5
64	MP3B	X	9.008	5.5
65	MP3B	Z	0	5.5
66	MP3B	Mx	-.000321	5.5
67	MP3C	X	9.008	.5
68	MP3C	Z	0	.5
69	MP3C	Mx	.01	.5
70	MP3C	X	9.008	5.5
71	MP3C	Z	0	5.5
72	MP3C	Mx	.01	5.5
73	MP3A	X	6.471	.5
74	MP3A	Z	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP3A	Mx	-.007	.5
76	MP3A	X	6.471	5.5
77	MP3A	Z	0	5.5
78	MP3A	Mx	-.007	5.5
79	MP3B	X	9.008	.5
80	MP3B	Z	0	.5
81	MP3B	Mx	.01	.5
82	MP3B	X	9.008	5.5
83	MP3B	Z	0	5.5
84	MP3B	Mx	.01	5.5
85	MP3C	X	9.008	.5
86	MP3C	Z	0	.5
87	MP3C	Mx	-.000321	.5
88	MP3C	X	9.008	5.5
89	MP3C	Z	0	5.5
90	MP3C	Mx	-.000321	5.5
91	M128A	X	3.512	1
92	M128A	Z	0	1
93	M128A	Mx	0	1
94	MP3A	X	.554	5.5
95	MP3A	Z	0	5.5
96	MP3A	Mx	.000277	5.5
97	MP3B	X	.739	5.5
98	MP3B	Z	0	5.5
99	MP3B	Mx	-.000185	5.5
100	MP3C	X	.739	5.5
101	MP3C	Z	0	5.5
102	MP3C	Mx	-.000185	5.5
103	MP3A	X	2.217	2
104	MP3A	Z	0	2
105	MP3A	Mx	.001	2
106	MP3B	X	3.588	2
107	MP3B	Z	0	2
108	MP3B	Mx	-.000897	2
109	MP3C	X	3.588	2
110	MP3C	Z	0	2
111	MP3C	Mx	-.000897	2
112	MP4A	X	2.704	2
113	MP4A	Z	0	2
114	MP4A	Mx	.001	2
115	MP4B	X	3.71	2
116	MP4B	Z	0	2
117	MP4B	Mx	-.000927	2
118	MP4C	X	3.71	2
119	MP4C	Z	0	2
120	MP4C	Mx	-.000927	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.393	2.25
2	MP2A	Z	1.382	2.25
3	MP2A	Mx	-.001	2.25
4	MP2A	X	2.393	3.25
5	MP2A	Z	1.382	3.25
6	MP2A	Mx	-.001	3.25
7	MP2B	X	4.089	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP2B	Z	2.361	2.25
9	MP2B	Mx	.000807	2.25
10	MP2B	X	4.089	3.25
11	MP2B	Z	2.361	3.25
12	MP2B	Mx	.000807	3.25
13	MP2C	X	4.089	2.25
14	MP2C	Z	2.361	2.25
15	MP2C	Mx	.000807	2.25
16	MP2C	X	4.089	3.25
17	MP2C	Z	2.361	3.25
18	MP2C	Mx	.000807	3.25
19	MP1A	X	4.404	1.5
20	MP1A	Z	2.543	1.5
21	MP1A	Mx	-.003	1.5
22	MP1A	X	4.404	4
23	MP1A	Z	2.543	4
24	MP1A	Mx	-.003	4
25	MP1B	X	2.465	1.5
26	MP1B	Z	1.423	1.5
27	MP1B	Mx	.000186	1.5
28	MP1B	X	2.465	4
29	MP1B	Z	1.423	4
30	MP1B	Mx	.000186	4
31	MP1C	X	4.197	1.5
32	MP1C	Z	2.423	1.5
33	MP1C	Mx	.003	1.5
34	MP1C	X	4.197	4
35	MP1C	Z	2.423	4
36	MP1C	Mx	.003	4
37	MP5A	X	4.404	1.5
38	MP5A	Z	2.543	1.5
39	MP5A	Mx	-.003	1.5
40	MP5A	X	4.404	4
41	MP5A	Z	2.543	4
42	MP5A	Mx	-.003	4
43	MP5B	X	2.465	1.5
44	MP5B	Z	1.423	1.5
45	MP5B	Mx	.000186	1.5
46	MP5B	X	2.465	4
47	MP5B	Z	1.423	4
48	MP5B	Mx	.000186	4
49	MP5C	X	4.197	1.5
50	MP5C	Z	2.423	1.5
51	MP5C	Mx	.003	1.5
52	MP5C	X	4.197	4
53	MP5C	Z	2.423	4
54	MP5C	Mx	.003	4
55	MP3A	X	6.336	.5
56	MP3A	Z	3.658	.5
57	MP3A	Mx	-.004	.5
58	MP3A	X	6.336	5.5
59	MP3A	Z	3.658	5.5
60	MP3A	Mx	-.004	5.5
61	MP3B	X	8.533	.5
62	MP3B	Z	4.926	.5
63	MP3B	Mx	-.007	.5
64	MP3B	X	8.533	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP3B	Z	4.926	5.5
66	MP3B	Mx	-.007	5.5
67	MP3C	X	6.336	.5
68	MP3C	Z	3.658	.5
69	MP3C	Mx	.009	.5
70	MP3C	X	6.336	5.5
71	MP3C	Z	3.658	5.5
72	MP3C	Mx	.009	5.5
73	MP3A	X	6.336	.5
74	MP3A	Z	3.658	.5
75	MP3A	Mx	-.009	.5
76	MP3A	X	6.336	5.5
77	MP3A	Z	3.658	5.5
78	MP3A	Mx	-.009	5.5
79	MP3B	X	8.533	.5
80	MP3B	Z	4.926	.5
81	MP3B	Mx	.007	.5
82	MP3B	X	8.533	5.5
83	MP3B	Z	4.926	5.5
84	MP3B	Mx	.007	5.5
85	MP3C	X	6.336	.5
86	MP3C	Z	3.658	.5
87	MP3C	Mx	.004	.5
88	MP3C	X	6.336	5.5
89	MP3C	Z	3.658	5.5
90	MP3C	Mx	.004	5.5
91	M128A	X	3.452	1
92	M128A	Z	1.993	1
93	M128A	Mx	0	1
94	MP3A	X	.533	5.5
95	MP3A	Z	.308	5.5
96	MP3A	Mx	.000266	5.5
97	MP3B	X	.693	5.5
98	MP3B	Z	.4	5.5
99	MP3B	Mx	0	5.5
100	MP3C	X	.533	5.5
101	MP3C	Z	.308	5.5
102	MP3C	Mx	-.000267	5.5
103	MP3A	X	2.316	2
104	MP3A	Z	1.337	2
105	MP3A	Mx	.001	2
106	MP3B	X	3.503	2
107	MP3B	Z	2.023	2
108	MP3B	Mx	0	2
109	MP3C	X	2.316	2
110	MP3C	Z	1.337	2
111	MP3C	Mx	-.001	2
112	MP4A	X	2.632	2
113	MP4A	Z	1.52	2
114	MP4A	Mx	.001	2
115	MP4B	X	3.503	2
116	MP4B	Z	2.023	2
117	MP4B	Mx	0	2
118	MP4C	X	2.632	2
119	MP4C	Z	1.52	2
120	MP4C	Mx	-.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.155	2.25
2	MP2A	Z	3.733	2.25
3	MP2A	Mx	-.001	2.25
4	MP2A	X	2.155	3.25
5	MP2A	Z	3.733	3.25
6	MP2A	Mx	-.001	3.25
7	MP2B	X	2.495	2.25
8	MP2B	Z	4.321	2.25
9	MP2B	Mx	-.000433	2.25
10	MP2B	X	2.495	3.25
11	MP2B	Z	4.321	3.25
12	MP2B	Mx	-.000433	3.25
13	MP2C	X	2.495	2.25
14	MP2C	Z	4.321	2.25
15	MP2C	Mx	-.000433	2.25
16	MP2C	X	2.495	3.25
17	MP2C	Z	4.321	3.25
18	MP2C	Mx	-.000433	3.25
19	MP1A	X	1.788	1.5
20	MP1A	Z	3.098	1.5
21	MP1A	Mx	-.001	1.5
22	MP1A	X	1.788	4
23	MP1A	Z	3.098	4
24	MP1A	Mx	-.001	4
25	MP1B	X	1.681	1.5
26	MP1B	Z	2.911	1.5
27	MP1B	Mx	-.001	1.5
28	MP1B	X	1.681	4
29	MP1B	Z	2.911	4
30	MP1B	Mx	-.001	4
31	MP1C	X	2.908	1.5
32	MP1C	Z	5.037	1.5
33	MP1C	Mx	.004	1.5
34	MP1C	X	2.908	4
35	MP1C	Z	5.037	4
36	MP1C	Mx	.004	4
37	MP5A	X	1.788	1.5
38	MP5A	Z	3.098	1.5
39	MP5A	Mx	-.001	1.5
40	MP5A	X	1.788	4
41	MP5A	Z	3.098	4
42	MP5A	Mx	-.001	4
43	MP5B	X	1.681	1.5
44	MP5B	Z	2.911	1.5
45	MP5B	Mx	-.001	1.5
46	MP5B	X	1.681	4
47	MP5B	Z	2.911	4
48	MP5B	Mx	-.001	4
49	MP5C	X	2.908	1.5
50	MP5C	Z	5.037	1.5
51	MP5C	Mx	.004	1.5
52	MP5C	X	2.908	4
53	MP5C	Z	5.037	4
54	MP5C	Mx	.004	4
55	MP3A	X	4.504	.5
56	MP3A	Z	7.801	.5
57	MP3A	Mx	.000321	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	4.504	5.5
59	MP3A	Z	7.801	5.5
60	MP3A	Mx	.000321	5.5
61	MP3B	X	4.504	.5
62	MP3B	Z	7.801	.5
63	MP3B	Mx	-.01	.5
64	MP3B	X	4.504	5.5
65	MP3B	Z	7.801	5.5
66	MP3B	Mx	-.01	5.5
67	MP3C	X	3.236	.5
68	MP3C	Z	5.604	.5
69	MP3C	Mx	.007	.5
70	MP3C	X	3.236	5.5
71	MP3C	Z	5.604	5.5
72	MP3C	Mx	.007	5.5
73	MP3A	X	4.504	.5
74	MP3A	Z	7.801	.5
75	MP3A	Mx	-.01	.5
76	MP3A	X	4.504	5.5
77	MP3A	Z	7.801	5.5
78	MP3A	Mx	-.01	5.5
79	MP3B	X	4.504	.5
80	MP3B	Z	7.801	.5
81	MP3B	Mx	.000322	.5
82	MP3B	X	4.504	5.5
83	MP3B	Z	7.801	5.5
84	MP3B	Mx	.000322	5.5
85	MP3C	X	3.236	.5
86	MP3C	Z	5.604	.5
87	MP3C	Mx	.007	.5
88	MP3C	X	3.236	5.5
89	MP3C	Z	5.604	5.5
90	MP3C	Mx	.007	5.5
91	M128A	X	2.467	1
92	M128A	Z	4.273	1
93	M128A	Mx	0	1
94	MP3A	X	.369	5.5
95	MP3A	Z	.64	5.5
96	MP3A	Mx	.000184	5.5
97	MP3B	X	.369	5.5
98	MP3B	Z	.64	5.5
99	MP3B	Mx	.000185	5.5
100	MP3C	X	.277	5.5
101	MP3C	Z	.48	5.5
102	MP3C	Mx	-.000277	5.5
103	MP3A	X	1.794	2
104	MP3A	Z	3.107	2
105	MP3A	Mx	.000897	2
106	MP3B	X	1.794	2
107	MP3B	Z	3.107	2
108	MP3B	Mx	.000897	2
109	MP3C	X	1.109	2
110	MP3C	Z	1.92	2
111	MP3C	Mx	-.001	2
112	MP4A	X	1.855	2
113	MP4A	Z	3.213	2
114	MP4A	Mx	.000927	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP4B	X	1.855	2
116	MP4B	Z	3.213	2
117	MP4B	Mx	.000928	2
118	MP4C	X	1.352	2
119	MP4C	Z	2.342	2
120	MP4C	Mx	-.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2.25
2	MP2A	Z	5.083	2.25
3	MP2A	Mx	0	2.25
4	MP2A	X	0	3.25
5	MP2A	Z	5.083	3.25
6	MP2A	Mx	0	3.25
7	MP2B	X	0	2.25
8	MP2B	Z	3.805	2.25
9	MP2B	Mx	-.001	2.25
10	MP2B	X	0	3.25
11	MP2B	Z	3.805	3.25
12	MP2B	Mx	-.001	3.25
13	MP2C	X	0	2.25
14	MP2C	Z	3.805	2.25
15	MP2C	Mx	-.001	2.25
16	MP2C	X	0	3.25
17	MP2C	Z	3.805	3.25
18	MP2C	Mx	-.001	3.25
19	MP1A	X	0	1.5
20	MP1A	Z	2.823	1.5
21	MP1A	Mx	0	1.5
22	MP1A	X	0	4
23	MP1A	Z	2.823	4
24	MP1A	Mx	0	4
25	MP1B	X	0	1.5
26	MP1B	Z	4.847	1.5
27	MP1B	Mx	-.003	1.5
28	MP1B	X	0	4
29	MP1B	Z	4.847	4
30	MP1B	Mx	-.003	4
31	MP1C	X	0	1.5
32	MP1C	Z	5.3	1.5
33	MP1C	Mx	.004	1.5
34	MP1C	X	0	4
35	MP1C	Z	5.3	4
36	MP1C	Mx	.004	4
37	MP5A	X	0	1.5
38	MP5A	Z	2.823	1.5
39	MP5A	Mx	0	1.5
40	MP5A	X	0	4
41	MP5A	Z	2.823	4
42	MP5A	Mx	0	4
43	MP5B	X	0	1.5
44	MP5B	Z	4.847	1.5
45	MP5B	Mx	-.003	1.5
46	MP5B	X	0	4
47	MP5B	Z	4.847	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP5B	Mx	-.003	4
49	MP5C	X	0	1.5
50	MP5C	Z	5.3	1.5
51	MP5C	Mx	.004	1.5
52	MP5C	X	0	4
53	MP5C	Z	5.3	4
54	MP5C	Mx	.004	4
55	MP3A	X	0	.5
56	MP3A	Z	9.853	.5
57	MP3A	Mx	.007	.5
58	MP3A	X	0	5.5
59	MP3A	Z	9.853	5.5
60	MP3A	Mx	.007	5.5
61	MP3B	X	0	.5
62	MP3B	Z	7.317	.5
63	MP3B	Mx	-.009	.5
64	MP3B	X	0	5.5
65	MP3B	Z	7.317	5.5
66	MP3B	Mx	-.009	5.5
67	MP3C	X	0	.5
68	MP3C	Z	7.317	.5
69	MP3C	Mx	.004	.5
70	MP3C	X	0	5.5
71	MP3C	Z	7.317	5.5
72	MP3C	Mx	.004	5.5
73	MP3A	X	0	.5
74	MP3A	Z	9.853	.5
75	MP3A	Mx	-.007	.5
76	MP3A	X	0	5.5
77	MP3A	Z	9.853	5.5
78	MP3A	Mx	-.007	5.5
79	MP3B	X	0	.5
80	MP3B	Z	7.317	.5
81	MP3B	Mx	-.004	.5
82	MP3B	X	0	5.5
83	MP3B	Z	7.317	5.5
84	MP3B	Mx	-.004	5.5
85	MP3C	X	0	.5
86	MP3C	Z	7.317	.5
87	MP3C	Mx	.009	.5
88	MP3C	X	0	5.5
89	MP3C	Z	7.317	5.5
90	MP3C	Mx	.009	5.5
91	M128A	X	0	1
92	M128A	Z	5.408	1
93	M128A	Mx	0	1
94	MP3A	X	0	5.5
95	MP3A	Z	.8	5.5
96	MP3A	Mx	0	5.5
97	MP3B	X	0	5.5
98	MP3B	Z	.615	5.5
99	MP3B	Mx	.000266	5.5
100	MP3C	X	0	5.5
101	MP3C	Z	.615	5.5
102	MP3C	Mx	-.000266	5.5
103	MP3A	X	0	2
104	MP3A	Z	4.045	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
105	MP3A	Mx	0	2
106	MP3B	X	0	2
107	MP3B	Z	2.674	2
108	MP3B	Mx	.001	2
109	MP3C	X	0	2
110	MP3C	Z	2.674	2
111	MP3C	Mx	-.001	2
112	MP4A	X	0	2
113	MP4A	Z	4.045	2
114	MP4A	Mx	0	2
115	MP4B	X	0	2
116	MP4B	Z	3.039	2
117	MP4B	Mx	.001	2
118	MP4C	X	0	2
119	MP4C	Z	3.039	2
120	MP4C	Mx	-.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-2.155	2.25
2	MP2A	Z	3.733	2.25
3	MP2A	Mx	.001	2.25
4	MP2A	X	-2.155	3.25
5	MP2A	Z	3.733	3.25
6	MP2A	Mx	.001	3.25
7	MP2B	X	-1.176	2.25
8	MP2B	Z	2.037	2.25
9	MP2B	Mx	-.001	2.25
10	MP2B	X	-1.176	3.25
11	MP2B	Z	2.037	3.25
12	MP2B	Mx	-.001	3.25
13	MP2C	X	-1.176	2.25
14	MP2C	Z	2.037	2.25
15	MP2C	Mx	-.001	2.25
16	MP2C	X	-1.176	3.25
17	MP2C	Z	2.037	3.25
18	MP2C	Mx	-.001	3.25
19	MP1A	X	-1.788	1.5
20	MP1A	Z	3.098	1.5
21	MP1A	Mx	.001	1.5
22	MP1A	X	-1.788	4
23	MP1A	Z	3.098	4
24	MP1A	Mx	.001	4
25	MP1B	X	-2.908	1.5
26	MP1B	Z	5.037	1.5
27	MP1B	Mx	-.004	1.5
28	MP1B	X	-2.908	4
29	MP1B	Z	5.037	4
30	MP1B	Mx	-.004	4
31	MP1C	X	-1.908	1.5
32	MP1C	Z	3.304	1.5
33	MP1C	Mx	.002	1.5
34	MP1C	X	-1.908	4
35	MP1C	Z	3.304	4
36	MP1C	Mx	.002	4
37	MP5A	X	-1.788	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP5A	Z	3.098	1.5
39	MP5A	Mx	.001	1.5
40	MP5A	X	-1.788	4
41	MP5A	Z	3.098	4
42	MP5A	Mx	.001	4
43	MP5B	X	-2.908	1.5
44	MP5B	Z	5.037	1.5
45	MP5B	Mx	-.004	1.5
46	MP5B	X	-2.908	4
47	MP5B	Z	5.037	4
48	MP5B	Mx	-.004	4
49	MP5C	X	-1.908	1.5
50	MP5C	Z	3.304	1.5
51	MP5C	Mx	.002	1.5
52	MP5C	X	-1.908	4
53	MP5C	Z	3.304	4
54	MP5C	Mx	.002	4
55	MP3A	X	-4.504	.5
56	MP3A	Z	7.801	.5
57	MP3A	Mx	.01	.5
58	MP3A	X	-4.504	5.5
59	MP3A	Z	7.801	5.5
60	MP3A	Mx	.01	5.5
61	MP3B	X	-3.236	.5
62	MP3B	Z	5.604	.5
63	MP3B	Mx	-.007	.5
64	MP3B	X	-3.236	5.5
65	MP3B	Z	5.604	5.5
66	MP3B	Mx	-.007	5.5
67	MP3C	X	-4.504	.5
68	MP3C	Z	7.801	.5
69	MP3C	Mx	-.000322	.5
70	MP3C	X	-4.504	5.5
71	MP3C	Z	7.801	5.5
72	MP3C	Mx	-.000322	5.5
73	MP3A	X	-4.504	.5
74	MP3A	Z	7.801	.5
75	MP3A	Mx	-.000321	.5
76	MP3A	X	-4.504	5.5
77	MP3A	Z	7.801	5.5
78	MP3A	Mx	-.000321	5.5
79	MP3B	X	-3.236	.5
80	MP3B	Z	5.604	.5
81	MP3B	Mx	-.007	.5
82	MP3B	X	-3.236	5.5
83	MP3B	Z	5.604	5.5
84	MP3B	Mx	-.007	5.5
85	MP3C	X	-4.504	.5
86	MP3C	Z	7.801	.5
87	MP3C	Mx	.01	.5
88	MP3C	X	-4.504	5.5
89	MP3C	Z	7.801	5.5
90	MP3C	Mx	.01	5.5
91	M128A	X	-2.467	1
92	M128A	Z	4.273	1
93	M128A	Mx	0	1
94	MP3A	X	-.369	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP3A	Z	.64	5.5
96	MP3A	Mx	-.000184	5.5
97	MP3B	X	-.277	5.5
98	MP3B	Z	.48	5.5
99	MP3B	Mx	.000277	5.5
100	MP3C	X	-.369	5.5
101	MP3C	Z	.64	5.5
102	MP3C	Mx	-.000185	5.5
103	MP3A	X	-1.794	2
104	MP3A	Z	3.107	2
105	MP3A	Mx	-.000897	2
106	MP3B	X	-1.109	2
107	MP3B	Z	1.92	2
108	MP3B	Mx	.001	2
109	MP3C	X	-1.794	2
110	MP3C	Z	3.107	2
111	MP3C	Mx	-.000897	2
112	MP4A	X	-1.855	2
113	MP4A	Z	3.213	2
114	MP4A	Mx	-.000927	2
115	MP4B	X	-1.352	2
116	MP4B	Z	2.342	2
117	MP4B	Mx	.001	2
118	MP4C	X	-1.855	2
119	MP4C	Z	3.213	2
120	MP4C	Mx	-.000928	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-2.393	2.25
2	MP2A	Z	1.382	2.25
3	MP2A	Mx	.001	2.25
4	MP2A	X	-2.393	3.25
5	MP2A	Z	1.382	3.25
6	MP2A	Mx	.001	3.25
7	MP2B	X	-1.804	2.25
8	MP2B	Z	1.042	2.25
9	MP2B	Mx	-.001	2.25
10	MP2B	X	-1.804	3.25
11	MP2B	Z	1.042	3.25
12	MP2B	Mx	-.001	3.25
13	MP2C	X	-1.804	2.25
14	MP2C	Z	1.042	2.25
15	MP2C	Mx	-.001	2.25
16	MP2C	X	-1.804	3.25
17	MP2C	Z	1.042	3.25
18	MP2C	Mx	-.001	3.25
19	MP1A	X	-4.404	1.5
20	MP1A	Z	2.543	1.5
21	MP1A	Mx	.003	1.5
22	MP1A	X	-4.404	4
23	MP1A	Z	2.543	4
24	MP1A	Mx	.003	4
25	MP1B	X	-4.59	1.5
26	MP1B	Z	2.65	1.5
27	MP1B	Mx	-.004	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP1B	X	-4.59	4
29	MP1B	Z	2.65	4
30	MP1B	Mx	-.004	4
31	MP1C	X	-2.465	1.5
32	MP1C	Z	1.423	1.5
33	MP1C	Mx	.000186	1.5
34	MP1C	X	-2.465	4
35	MP1C	Z	1.423	4
36	MP1C	Mx	.000186	4
37	MP5A	X	-4.404	1.5
38	MP5A	Z	2.543	1.5
39	MP5A	Mx	.003	1.5
40	MP5A	X	-4.404	4
41	MP5A	Z	2.543	4
42	MP5A	Mx	.003	4
43	MP5B	X	-4.59	1.5
44	MP5B	Z	2.65	1.5
45	MP5B	Mx	-.004	1.5
46	MP5B	X	-4.59	4
47	MP5B	Z	2.65	4
48	MP5B	Mx	-.004	4
49	MP5C	X	-2.465	1.5
50	MP5C	Z	1.423	1.5
51	MP5C	Mx	.000186	1.5
52	MP5C	X	-2.465	4
53	MP5C	Z	1.423	4
54	MP5C	Mx	.000186	4
55	MP3A	X	-6.336	.5
56	MP3A	Z	3.658	.5
57	MP3A	Mx	.009	.5
58	MP3A	X	-6.336	5.5
59	MP3A	Z	3.658	5.5
60	MP3A	Mx	.009	5.5
61	MP3B	X	-6.336	.5
62	MP3B	Z	3.658	.5
63	MP3B	Mx	-.004	.5
64	MP3B	X	-6.336	5.5
65	MP3B	Z	3.658	5.5
66	MP3B	Mx	-.004	5.5
67	MP3C	X	-8.533	.5
68	MP3C	Z	4.926	.5
69	MP3C	Mx	-.007	.5
70	MP3C	X	-8.533	5.5
71	MP3C	Z	4.926	5.5
72	MP3C	Mx	-.007	5.5
73	MP3A	X	-6.336	.5
74	MP3A	Z	3.658	.5
75	MP3A	Mx	.004	.5
76	MP3A	X	-6.336	5.5
77	MP3A	Z	3.658	5.5
78	MP3A	Mx	.004	5.5
79	MP3B	X	-6.336	.5
80	MP3B	Z	3.658	.5
81	MP3B	Mx	-.009	.5
82	MP3B	X	-6.336	5.5
83	MP3B	Z	3.658	5.5
84	MP3B	Mx	-.009	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
85	MP3C	X	-8.533	.5
86	MP3C	Z	4.926	.5
87	MP3C	Mx	.007	.5
88	MP3C	X	-8.533	5.5
89	MP3C	Z	4.926	5.5
90	MP3C	Mx	.007	5.5
91	M128A	X	-3.452	1
92	M128A	Z	1.993	1
93	M128A	Mx	0	1
94	MP3A	X	-.533	5.5
95	MP3A	Z	.308	5.5
96	MP3A	Mx	-.000266	5.5
97	MP3B	X	-.533	5.5
98	MP3B	Z	.308	5.5
99	MP3B	Mx	.000267	5.5
100	MP3C	X	-.693	5.5
101	MP3C	Z	.4	5.5
102	MP3C	Mx	0	5.5
103	MP3A	X	-2.316	2
104	MP3A	Z	1.337	2
105	MP3A	Mx	-.001	2
106	MP3B	X	-2.316	2
107	MP3B	Z	1.337	2
108	MP3B	Mx	.001	2
109	MP3C	X	-3.503	2
110	MP3C	Z	2.023	2
111	MP3C	Mx	0	2
112	MP4A	X	-2.632	2
113	MP4A	Z	1.52	2
114	MP4A	Mx	-.001	2
115	MP4B	X	-2.632	2
116	MP4B	Z	1.52	2
117	MP4B	Mx	.001	2
118	MP4C	X	-3.503	2
119	MP4C	Z	2.023	2
120	MP4C	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-1.99	2.25
2	MP2A	Z	0	2.25
3	MP2A	Mx	.000995	2.25
4	MP2A	X	-1.99	3.25
5	MP2A	Z	0	3.25
6	MP2A	Mx	.000995	3.25
7	MP2B	X	-3.268	2.25
8	MP2B	Z	0	2.25
9	MP2B	Mx	-.001	2.25
10	MP2B	X	-3.268	3.25
11	MP2B	Z	0	3.25
12	MP2B	Mx	-.001	3.25
13	MP2C	X	-3.268	2.25
14	MP2C	Z	0	2.25
15	MP2C	Mx	-.001	2.25
16	MP2C	X	-3.268	3.25
17	MP2C	Z	0	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2C	Mx	-.001	3.25
19	MP1A	X	-5.839	1.5
20	MP1A	Z	0	1.5
21	MP1A	Mx	.004	1.5
22	MP1A	X	-5.839	4
23	MP1A	Z	0	4
24	MP1A	Mx	.004	4
25	MP1B	X	-3.815	1.5
26	MP1B	Z	0	1.5
27	MP1B	Mx	-.002	1.5
28	MP1B	X	-3.815	4
29	MP1B	Z	0	4
30	MP1B	Mx	-.002	4
31	MP1C	X	-3.362	1.5
32	MP1C	Z	0	1.5
33	MP1C	Mx	-.001	1.5
34	MP1C	X	-3.362	4
35	MP1C	Z	0	4
36	MP1C	Mx	-.001	4
37	MP5A	X	-5.839	1.5
38	MP5A	Z	0	1.5
39	MP5A	Mx	.004	1.5
40	MP5A	X	-5.839	4
41	MP5A	Z	0	4
42	MP5A	Mx	.004	4
43	MP5B	X	-3.815	1.5
44	MP5B	Z	0	1.5
45	MP5B	Mx	-.002	1.5
46	MP5B	X	-3.815	4
47	MP5B	Z	0	4
48	MP5B	Mx	-.002	4
49	MP5C	X	-3.362	1.5
50	MP5C	Z	0	1.5
51	MP5C	Mx	-.001	1.5
52	MP5C	X	-3.362	4
53	MP5C	Z	0	4
54	MP5C	Mx	-.001	4
55	MP3A	X	-6.471	.5
56	MP3A	Z	0	.5
57	MP3A	Mx	.007	.5
58	MP3A	X	-6.471	5.5
59	MP3A	Z	0	5.5
60	MP3A	Mx	.007	5.5
61	MP3B	X	-9.008	.5
62	MP3B	Z	0	.5
63	MP3B	Mx	.000321	.5
64	MP3B	X	-9.008	5.5
65	MP3B	Z	0	5.5
66	MP3B	Mx	.000321	5.5
67	MP3C	X	-9.008	.5
68	MP3C	Z	0	.5
69	MP3C	Mx	-.01	.5
70	MP3C	X	-9.008	5.5
71	MP3C	Z	0	5.5
72	MP3C	Mx	-.01	5.5
73	MP3A	X	-6.471	.5
74	MP3A	Z	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP3A	Mx	.007	.5
76	MP3A	X	-6.471	5.5
77	MP3A	Z	0	5.5
78	MP3A	Mx	.007	5.5
79	MP3B	X	-9.008	.5
80	MP3B	Z	0	.5
81	MP3B	Mx	-.01	.5
82	MP3B	X	-9.008	5.5
83	MP3B	Z	0	5.5
84	MP3B	Mx	-.01	5.5
85	MP3C	X	-9.008	.5
86	MP3C	Z	0	.5
87	MP3C	Mx	.000321	.5
88	MP3C	X	-9.008	5.5
89	MP3C	Z	0	5.5
90	MP3C	Mx	.000321	5.5
91	M128A	X	-3.512	1
92	M128A	Z	0	1
93	M128A	Mx	0	1
94	MP3A	X	-.554	5.5
95	MP3A	Z	0	5.5
96	MP3A	Mx	-.000277	5.5
97	MP3B	X	-.739	5.5
98	MP3B	Z	0	5.5
99	MP3B	Mx	.000185	5.5
100	MP3C	X	-.739	5.5
101	MP3C	Z	0	5.5
102	MP3C	Mx	.000185	5.5
103	MP3A	X	-2.217	2
104	MP3A	Z	0	2
105	MP3A	Mx	-.001	2
106	MP3B	X	-3.588	2
107	MP3B	Z	0	2
108	MP3B	Mx	.000897	2
109	MP3C	X	-3.588	2
110	MP3C	Z	0	2
111	MP3C	Mx	.000897	2
112	MP4A	X	-2.704	2
113	MP4A	Z	0	2
114	MP4A	Mx	-.001	2
115	MP4B	X	-3.71	2
116	MP4B	Z	0	2
117	MP4B	Mx	.000927	2
118	MP4C	X	-3.71	2
119	MP4C	Z	0	2
120	MP4C	Mx	.000927	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-2.393	2.25
2	MP2A	Z	-1.382	2.25
3	MP2A	Mx	.001	2.25
4	MP2A	X	-2.393	3.25
5	MP2A	Z	-1.382	3.25
6	MP2A	Mx	.001	3.25
7	MP2B	X	-4.089	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP2B	Z	-2.361	2.25
9	MP2B	Mx	-.000807	2.25
10	MP2B	X	-4.089	3.25
11	MP2B	Z	-2.361	3.25
12	MP2B	Mx	-.000807	3.25
13	MP2C	X	-4.089	2.25
14	MP2C	Z	-2.361	2.25
15	MP2C	Mx	-.000807	2.25
16	MP2C	X	-4.089	3.25
17	MP2C	Z	-2.361	3.25
18	MP2C	Mx	-.000807	3.25
19	MP1A	X	-4.404	1.5
20	MP1A	Z	-2.543	1.5
21	MP1A	Mx	.003	1.5
22	MP1A	X	-4.404	4
23	MP1A	Z	-2.543	4
24	MP1A	Mx	.003	4
25	MP1B	X	-2.465	1.5
26	MP1B	Z	-1.423	1.5
27	MP1B	Mx	-.000186	1.5
28	MP1B	X	-2.465	4
29	MP1B	Z	-1.423	4
30	MP1B	Mx	-.000186	4
31	MP1C	X	-4.197	1.5
32	MP1C	Z	-2.423	1.5
33	MP1C	Mx	-.003	1.5
34	MP1C	X	-4.197	4
35	MP1C	Z	-2.423	4
36	MP1C	Mx	-.003	4
37	MP5A	X	-4.404	1.5
38	MP5A	Z	-2.543	1.5
39	MP5A	Mx	.003	1.5
40	MP5A	X	-4.404	4
41	MP5A	Z	-2.543	4
42	MP5A	Mx	.003	4
43	MP5B	X	-2.465	1.5
44	MP5B	Z	-1.423	1.5
45	MP5B	Mx	-.000186	1.5
46	MP5B	X	-2.465	4
47	MP5B	Z	-1.423	4
48	MP5B	Mx	-.000186	4
49	MP5C	X	-4.197	1.5
50	MP5C	Z	-2.423	1.5
51	MP5C	Mx	-.003	1.5
52	MP5C	X	-4.197	4
53	MP5C	Z	-2.423	4
54	MP5C	Mx	-.003	4
55	MP3A	X	-6.336	.5
56	MP3A	Z	-3.658	.5
57	MP3A	Mx	.004	.5
58	MP3A	X	-6.336	5.5
59	MP3A	Z	-3.658	5.5
60	MP3A	Mx	.004	5.5
61	MP3B	X	-8.533	.5
62	MP3B	Z	-4.926	.5
63	MP3B	Mx	.007	.5
64	MP3B	X	-8.533	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP3B	Z	-4.926	5.5
66	MP3B	Mx	.007	5.5
67	MP3C	X	-6.336	.5
68	MP3C	Z	-3.658	.5
69	MP3C	Mx	-.009	.5
70	MP3C	X	-6.336	5.5
71	MP3C	Z	-3.658	5.5
72	MP3C	Mx	-.009	5.5
73	MP3A	X	-6.336	.5
74	MP3A	Z	-3.658	.5
75	MP3A	Mx	.009	.5
76	MP3A	X	-6.336	5.5
77	MP3A	Z	-3.658	5.5
78	MP3A	Mx	.009	5.5
79	MP3B	X	-8.533	.5
80	MP3B	Z	-4.926	.5
81	MP3B	Mx	-.007	.5
82	MP3B	X	-8.533	5.5
83	MP3B	Z	-4.926	5.5
84	MP3B	Mx	-.007	5.5
85	MP3C	X	-6.336	.5
86	MP3C	Z	-3.658	.5
87	MP3C	Mx	-.004	.5
88	MP3C	X	-6.336	5.5
89	MP3C	Z	-3.658	5.5
90	MP3C	Mx	-.004	5.5
91	M128A	X	-3.452	1
92	M128A	Z	-1.993	1
93	M128A	Mx	0	1
94	MP3A	X	-.533	5.5
95	MP3A	Z	-.308	5.5
96	MP3A	Mx	-.000266	5.5
97	MP3B	X	-.693	5.5
98	MP3B	Z	-.4	5.5
99	MP3B	Mx	0	5.5
100	MP3C	X	-.533	5.5
101	MP3C	Z	-.308	5.5
102	MP3C	Mx	.000267	5.5
103	MP3A	X	-2.316	2
104	MP3A	Z	-1.337	2
105	MP3A	Mx	-.001	2
106	MP3B	X	-3.503	2
107	MP3B	Z	-2.023	2
108	MP3B	Mx	0	2
109	MP3C	X	-2.316	2
110	MP3C	Z	-1.337	2
111	MP3C	Mx	.001	2
112	MP4A	X	-2.632	2
113	MP4A	Z	-1.52	2
114	MP4A	Mx	-.001	2
115	MP4B	X	-3.503	2
116	MP4B	Z	-2.023	2
117	MP4B	Mx	0	2
118	MP4C	X	-2.632	2
119	MP4C	Z	-1.52	2
120	MP4C	Mx	.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-2.155	2.25
2	MP2A	Z	-3.733	2.25
3	MP2A	Mx	.001	2.25
4	MP2A	X	-2.155	3.25
5	MP2A	Z	-3.733	3.25
6	MP2A	Mx	.001	3.25
7	MP2B	X	-2.495	2.25
8	MP2B	Z	-4.321	2.25
9	MP2B	Mx	.000433	2.25
10	MP2B	X	-2.495	3.25
11	MP2B	Z	-4.321	3.25
12	MP2B	Mx	.000433	3.25
13	MP2C	X	-2.495	2.25
14	MP2C	Z	-4.321	2.25
15	MP2C	Mx	.000433	2.25
16	MP2C	X	-2.495	3.25
17	MP2C	Z	-4.321	3.25
18	MP2C	Mx	.000433	3.25
19	MP1A	X	-1.788	1.5
20	MP1A	Z	-3.098	1.5
21	MP1A	Mx	.001	1.5
22	MP1A	X	-1.788	4
23	MP1A	Z	-3.098	4
24	MP1A	Mx	.001	4
25	MP1B	X	-1.681	1.5
26	MP1B	Z	-2.911	1.5
27	MP1B	Mx	.001	1.5
28	MP1B	X	-1.681	4
29	MP1B	Z	-2.911	4
30	MP1B	Mx	.001	4
31	MP1C	X	-2.908	1.5
32	MP1C	Z	-5.037	1.5
33	MP1C	Mx	-.004	1.5
34	MP1C	X	-2.908	4
35	MP1C	Z	-5.037	4
36	MP1C	Mx	-.004	4
37	MP5A	X	-1.788	1.5
38	MP5A	Z	-3.098	1.5
39	MP5A	Mx	.001	1.5
40	MP5A	X	-1.788	4
41	MP5A	Z	-3.098	4
42	MP5A	Mx	.001	4
43	MP5B	X	-1.681	1.5
44	MP5B	Z	-2.911	1.5
45	MP5B	Mx	.001	1.5
46	MP5B	X	-1.681	4
47	MP5B	Z	-2.911	4
48	MP5B	Mx	.001	4
49	MP5C	X	-2.908	1.5
50	MP5C	Z	-5.037	1.5
51	MP5C	Mx	-.004	1.5
52	MP5C	X	-2.908	4
53	MP5C	Z	-5.037	4
54	MP5C	Mx	-.004	4
55	MP3A	X	-4.504	.5
56	MP3A	Z	-7.801	.5
57	MP3A	Mx	-.000321	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	-4.504	5.5
59	MP3A	Z	-7.801	5.5
60	MP3A	Mx	-.000321	5.5
61	MP3B	X	-4.504	.5
62	MP3B	Z	-7.801	.5
63	MP3B	Mx	.01	.5
64	MP3B	X	-4.504	5.5
65	MP3B	Z	-7.801	5.5
66	MP3B	Mx	.01	5.5
67	MP3C	X	-3.236	.5
68	MP3C	Z	-5.604	.5
69	MP3C	Mx	-.007	.5
70	MP3C	X	-3.236	5.5
71	MP3C	Z	-5.604	5.5
72	MP3C	Mx	-.007	5.5
73	MP3A	X	-4.504	.5
74	MP3A	Z	-7.801	.5
75	MP3A	Mx	.01	.5
76	MP3A	X	-4.504	5.5
77	MP3A	Z	-7.801	5.5
78	MP3A	Mx	.01	5.5
79	MP3B	X	-4.504	.5
80	MP3B	Z	-7.801	.5
81	MP3B	Mx	-.000322	.5
82	MP3B	X	-4.504	5.5
83	MP3B	Z	-7.801	5.5
84	MP3B	Mx	-.000322	5.5
85	MP3C	X	-3.236	.5
86	MP3C	Z	-5.604	.5
87	MP3C	Mx	-.007	.5
88	MP3C	X	-3.236	5.5
89	MP3C	Z	-5.604	5.5
90	MP3C	Mx	-.007	5.5
91	M128A	X	-2.467	1
92	M128A	Z	-4.273	1
93	M128A	Mx	0	1
94	MP3A	X	-.369	5.5
95	MP3A	Z	-.64	5.5
96	MP3A	Mx	-.000184	5.5
97	MP3B	X	-.369	5.5
98	MP3B	Z	-.64	5.5
99	MP3B	Mx	-.000185	5.5
100	MP3C	X	-.277	5.5
101	MP3C	Z	-.48	5.5
102	MP3C	Mx	.000277	5.5
103	MP3A	X	-1.794	2
104	MP3A	Z	-3.107	2
105	MP3A	Mx	-.000897	2
106	MP3B	X	-1.794	2
107	MP3B	Z	-3.107	2
108	MP3B	Mx	-.000897	2
109	MP3C	X	-1.109	2
110	MP3C	Z	-1.92	2
111	MP3C	Mx	.001	2
112	MP4A	X	-1.855	2
113	MP4A	Z	-3.213	2
114	MP4A	Mx	-.000927	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP4B	X	-1.855	2
116	MP4B	Z	-3.213	2
117	MP4B	Mx	-.000928	2
118	MP4C	X	-1.352	2
119	MP4C	Z	-2.342	2
120	MP4C	Mx	.001	2

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%50

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%11

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

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

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	-6.612	-6.612	0	%100
2	M2	Y	-5.016	-5.016	0	%100
3	MP5A	Y	-5.016	-5.016	0	%100
4	MP4A	Y	-5.016	-5.016	0	%100
5	MP3A	Y	-5.016	-5.016	0	%100
6	MP2A	Y	-5.016	-5.016	0	%100
7	MP1A	Y	-5.016	-5.016	0	%100
8	M18	Y	-6.612	-6.612	0	%100
9	M19	Y	-5.016	-5.016	0	%100
10	MP5C	Y	-5.016	-5.016	0	%100
11	MP4C	Y	-5.016	-5.016	0	%100
12	MP3C	Y	-5.016	-5.016	0	%100
13	MP2C	Y	-5.016	-5.016	0	%100
14	MP1C	Y	-5.016	-5.016	0	%100
15	M35	Y	-6.612	-6.612	0	%100
16	M36	Y	-5.016	-5.016	0	%100
17	MP5B	Y	-5.016	-5.016	0	%100
18	MP4B	Y	-5.016	-5.016	0	%100
19	MP3B	Y	-5.016	-5.016	0	%100
20	MP2B	Y	-5.016	-5.016	0	%100
21	MP1B	Y	-5.016	-5.016	0	%100
22	M52	Y	-6.663	-6.663	0	%100
23	M53	Y	-6.663	-6.663	0	%100
24	M54	Y	-6.663	-6.663	0	%100
25	M58	Y	-9.672	-9.672	0	%100
26	M59	Y	-9.672	-9.672	0	%100
27	M60	Y	-9.672	-9.672	0	%100
28	M63	Y	-10.175	-10.175	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,%]
29	M64	Y	-10.175	-10.175	0	%100
30	M81	Y	-10.175	-10.175	0	%100
31	M82	Y	-10.175	-10.175	0	%100
32	M85	Y	-10.175	-10.175	0	%100
33	M86	Y	-10.175	-10.175	0	%100
34	M91	Y	-10.175	-10.175	0	%100
35	M92	Y	-10.175	-10.175	0	%100
36	M80A	Y	-9.672	-9.672	0	%100
37	M80B	Y	-9.672	-9.672	0	%100
38	M79A	Y	-10.175	-10.175	0	%100
39	M80C	Y	-10.175	-10.175	0	%100
40	M81B	Y	-9.672	-9.672	0	%100
41	M82B	Y	-9.672	-9.672	0	%100
42	M85A	Y	-10.175	-10.175	0	%100
43	M86A	Y	-10.175	-10.175	0	%100
44	M87	Y	-9.672	-9.672	0	%100
45	M88	Y	-9.672	-9.672	0	%100
46	M93	Y	-10.188	-10.188	0	%100
47	M91A	Y	-10.188	-10.188	0	%100
48	M93A	Y	-10.188	-10.188	0	%100
49	M95	Y	-10.188	-10.188	0	%100
50	M97	Y	-10.188	-10.188	0	%100
51	M99	Y	-10.188	-10.188	0	%100
52	M104	Y	-10.188	-10.188	0	%100
53	M105	Y	-10.188	-10.188	0	%100
54	M106	Y	-10.188	-10.188	0	%100
55	M111	Y	-5.66	-5.66	0	%100
56	M112	Y	-5.66	-5.66	0	%100
57	M119	Y	-5.66	-5.66	0	%100
58	M120	Y	-5.66	-5.66	0	%100
59	M127	Y	-5.66	-5.66	0	%100
60	M128	Y	-5.66	-5.66	0	%100
61	M128A	Y	-5.016	-5.016	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-11.912	-11.912	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-8.083	-8.083	0	%100
5	MP5A	X	0	0	0	%100
6	MP5A	Z	-8.083	-8.083	0	%100
7	MP4A	X	0	0	0	%100
8	MP4A	Z	-8.083	-8.083	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	-8.083	-8.083	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-8.083	-8.083	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-8.083	-8.083	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	-2.978	-2.978	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	-2.021	-2.021	0	%100
19	MP5C	X	0	0	0	%100
20	MP5C	Z	-8.083	-8.083	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,%]
21	MP4C	X	0	0	0	%100
22	MP4C	Z	-8.083	-8.083	0	%100
23	MP3C	X	0	0	0	%100
24	MP3C	Z	-8.083	-8.083	0	%100
25	MP2C	X	0	0	0	%100
26	MP2C	Z	-8.083	-8.083	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	-8.083	-8.083	0	%100
29	M35	X	0	0	0	%100
30	M35	Z	-2.978	-2.978	0	%100
31	M36	X	0	0	0	%100
32	M36	Z	-2.021	-2.021	0	%100
33	MP5B	X	0	0	0	%100
34	MP5B	Z	-8.083	-8.083	0	%100
35	MP4B	X	0	0	0	%100
36	MP4B	Z	-8.083	-8.083	0	%100
37	MP3B	X	0	0	0	%100
38	MP3B	Z	-8.083	-8.083	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	-8.083	-8.083	0	%100
41	MP1B	X	0	0	0	%100
42	MP1B	Z	-8.083	-8.083	0	%100
43	M52	X	0	0	0	%100
44	M52	Z	-2.279	-2.279	0	%100
45	M53	X	0	0	0	%100
46	M53	Z	-2.279	-2.279	0	%100
47	M54	X	0	0	0	%100
48	M54	Z	-9.115	-9.115	0	%100
49	M58	X	0	0	0	%100
50	M58	Z	0	0	0	%100
51	M59	X	0	0	0	%100
52	M59	Z	-9.075	-9.075	0	%100
53	M60	X	0	0	0	%100
54	M60	Z	-9.075	-9.075	0	%100
55	M63	X	0	0	0	%100
56	M63	Z	-20.799	-20.799	0	%100
57	M64	X	0	0	0	%100
58	M64	Z	-20.799	-20.799	0	%100
59	M81	X	0	0	0	%100
60	M81	Z	-5.2	-5.2	0	%100
61	M82	X	0	0	0	%100
62	M82	Z	-5.2	-5.2	0	%100
63	M85	X	0	0	0	%100
64	M85	Z	-5.2	-5.2	0	%100
65	M86	X	0	0	0	%100
66	M86	Z	-5.2	-5.2	0	%100
67	M91	X	0	0	0	%100
68	M91	Z	0	0	0	%100
69	M92	X	0	0	0	%100
70	M92	Z	0	0	0	%100
71	M80A	X	0	0	0	%100
72	M80A	Z	-10.232	-10.232	0	%100
73	M80B	X	0	0	0	%100
74	M80B	Z	-10.232	-10.232	0	%100
75	M79A	X	0	0	0	%100
76	M79A	Z	-16.486	-16.486	0	%100
77	M80C	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,%]
78	M80C	Z	-16.486	-16.486	0	%100
79	M81B	X	0	0	0	%100
80	M81B	Z	-2.558	-2.558	0	%100
81	M82B	X	0	0	0	%100
82	M82B	Z	-2.558	-2.558	0	%100
83	M85A	X	0	0	0	%100
84	M85A	Z	-16.486	-16.486	0	%100
85	M86A	X	0	0	0	%100
86	M86A	Z	-16.486	-16.486	0	%100
87	M87	X	0	0	0	%100
88	M87	Z	-2.558	-2.558	0	%100
89	M88	X	0	0	0	%100
90	M88	Z	-2.558	-2.558	0	%100
91	M93	X	0	0	0	%100
92	M93	Z	-19.464	-19.464	0	%100
93	M91A	X	0	0	0	%100
94	M91A	Z	-17.623	-17.623	0	%100
95	M93A	X	0	0	0	%100
96	M93A	Z	-12.585	-12.585	0	%100
97	M95	X	0	0	0	%100
98	M95	Z	-.423	-.423	0	%100
99	M97	X	0	0	0	%100
100	M97	Z	-.423	-.423	0	%100
101	M99	X	0	0	0	%100
102	M99	Z	-9.322	-9.322	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	-5.105	-5.105	0	%100
105	M105	X	0	0	0	%100
106	M105	Z	-5.105	-5.105	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	-20.421	-20.421	0	%100
109	M111	X	0	0	0	%100
110	M111	Z	-2.678	-2.678	0	%100
111	M112	X	0	0	0	%100
112	M112	Z	-2.678	-2.678	0	%100
113	M119	X	0	0	0	%100
114	M119	Z	-11.246	-11.246	0	%100
115	M120	X	0	0	0	%100
116	M120	Z	-2.949	-2.949	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	-2.949	-2.949	0	%100
119	M128	X	0	0	0	%100
120	M128	Z	-11.246	-11.246	0	%100
121	M128A	X	0	0	0	%100
122	M128A	Z	-8.083	-8.083	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	4.467	4.467	0	%100
2	M1	Z	-7.737	-7.737	0	%100
3	M2	X	3.031	3.031	0	%100
4	M2	Z	-5.25	-5.25	0	%100
5	MP5A	X	4.042	4.042	0	%100
6	MP5A	Z	-7	-7	0	%100
7	MP4A	X	4.042	4.042	0	%100
8	MP4A	Z	-7	-7	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,%]
9	MP3A	X	4.042	4.042	0	%100
10	MP3A	Z	-7	-7	0	%100
11	MP2A	X	4.042	4.042	0	%100
12	MP2A	Z	-7	-7	0	%100
13	MP1A	X	4.042	4.042	0	%100
14	MP1A	Z	-7	-7	0	%100
15	M18	X	4.467	4.467	0	%100
16	M18	Z	-7.737	-7.737	0	%100
17	M19	X	3.031	3.031	0	%100
18	M19	Z	-5.25	-5.25	0	%100
19	MP5C	X	4.042	4.042	0	%100
20	MP5C	Z	-7	-7	0	%100
21	MP4C	X	4.042	4.042	0	%100
22	MP4C	Z	-7	-7	0	%100
23	MP3C	X	4.042	4.042	0	%100
24	MP3C	Z	-7	-7	0	%100
25	MP2C	X	4.042	4.042	0	%100
26	MP2C	Z	-7	-7	0	%100
27	MP1C	X	4.042	4.042	0	%100
28	MP1C	Z	-7	-7	0	%100
29	M35	X	0	0	0	%100
30	M35	Z	0	0	0	%100
31	M36	X	0	0	0	%100
32	M36	Z	0	0	0	%100
33	MP5B	X	4.042	4.042	0	%100
34	MP5B	Z	-7	-7	0	%100
35	MP4B	X	4.042	4.042	0	%100
36	MP4B	Z	-7	-7	0	%100
37	MP3B	X	4.042	4.042	0	%100
38	MP3B	Z	-7	-7	0	%100
39	MP2B	X	4.042	4.042	0	%100
40	MP2B	Z	-7	-7	0	%100
41	MP1B	X	4.042	4.042	0	%100
42	MP1B	Z	-7	-7	0	%100
43	M52	X	3.418	3.418	0	%100
44	M52	Z	-5.92	-5.92	0	%100
45	M53	X	0	0	0	%100
46	M53	Z	0	0	0	%100
47	M54	X	3.418	3.418	0	%100
48	M54	Z	-5.92	-5.92	0	%100
49	M58	X	1.512	1.512	0	%100
50	M58	Z	-2.62	-2.62	0	%100
51	M59	X	1.512	1.512	0	%100
52	M59	Z	-2.62	-2.62	0	%100
53	M60	X	6.05	6.05	0	%100
54	M60	Z	-10.478	-10.478	0	%100
55	M63	X	7.8	7.8	0	%100
56	M63	Z	-13.51	-13.51	0	%100
57	M64	X	7.8	7.8	0	%100
58	M64	Z	-13.51	-13.51	0	%100
59	M81	X	7.8	7.8	0	%100
60	M81	Z	-13.51	-13.51	0	%100
61	M82	X	7.8	7.8	0	%100
62	M82	Z	-13.51	-13.51	0	%100
63	M85	X	0	0	0	%100
64	M85	Z	0	0	0	%100
65	M86	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
66	M86	Z	0	0	0	%100
67	M91	X	2.748	2.748	0	%100
68	M91	Z	-4.759	-4.759	0	%100
69	M92	X	2.748	2.748	0	%100
70	M92	Z	-4.759	-4.759	0	%100
71	M80A	X	3.837	3.837	0	%100
72	M80A	Z	-6.646	-6.646	0	%100
73	M80B	X	3.837	3.837	0	%100
74	M80B	Z	-6.646	-6.646	0	%100
75	M79A	X	2.748	2.748	0	%100
76	M79A	Z	-4.759	-4.759	0	%100
77	M80C	X	2.748	2.748	0	%100
78	M80C	Z	-4.759	-4.759	0	%100
79	M81B	X	3.837	3.837	0	%100
80	M81B	Z	-6.646	-6.646	0	%100
81	M82B	X	3.837	3.837	0	%100
82	M82B	Z	-6.646	-6.646	0	%100
83	M85A	X	10.991	10.991	0	%100
84	M85A	Z	-19.037	-19.037	0	%100
85	M86A	X	10.991	10.991	0	%100
86	M86A	Z	-19.037	-19.037	0	%100
87	M87	X	0	0	0	%100
88	M87	Z	0	0	0	%100
89	M88	X	0	0	0	%100
90	M88	Z	0	0	0	%100
91	M93	X	5.55	5.55	0	%100
92	M93	Z	-9.613	-9.613	0	%100
93	M91A	X	9.999	9.999	0	%100
94	M91A	Z	-17.319	-17.319	0	%100
95	M93A	X	9.999	9.999	0	%100
96	M93A	Z	-17.319	-17.319	0	%100
97	M95	X	3.918	3.918	0	%100
98	M95	Z	-6.786	-6.786	0	%100
99	M97	X	1.399	1.399	0	%100
100	M97	Z	-2.423	-2.423	0	%100
101	M99	X	.479	.479	0	%100
102	M99	Z	-.829	-.829	0	%100
103	M104	X	7.658	7.658	0	%100
104	M104	Z	-13.264	-13.264	0	%100
105	M105	X	0	0	0	%100
106	M105	Z	0	0	0	%100
107	M106	X	7.658	7.658	0	%100
108	M106	Z	-13.264	-13.264	0	%100
109	M111	X	.001	.001	0	%100
110	M111	Z	-.002	-.002	0	%100
111	M112	X	4.15	4.15	0	%100
112	M112	Z	-7.188	-7.188	0	%100
113	M119	X	4.15	4.15	0	%100
114	M119	Z	-7.188	-7.188	0	%100
115	M120	X	.001	.001	0	%100
116	M120	Z	-.002	-.002	0	%100
117	M127	X	4.285	4.285	0	%100
118	M127	Z	-7.422	-7.422	0	%100
119	M128	X	4.285	4.285	0	%100
120	M128	Z	-7.422	-7.422	0	%100
121	M128A	X	4.042	4.042	0	%100
122	M128A	Z	-7	-7	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	2.579	2.579	0	%100
2	M1	Z	-1.489	-1.489	0	%100
3	M2	X	1.75	1.75	0	%100
4	M2	Z	-1.01	-1.01	0	%100
5	MP5A	X	7	7	0	%100
6	MP5A	Z	-4.042	-4.042	0	%100
7	MP4A	X	7	7	0	%100
8	MP4A	Z	-4.042	-4.042	0	%100
9	MP3A	X	7	7	0	%100
10	MP3A	Z	-4.042	-4.042	0	%100
11	MP2A	X	7	7	0	%100
12	MP2A	Z	-4.042	-4.042	0	%100
13	MP1A	X	7	7	0	%100
14	MP1A	Z	-4.042	-4.042	0	%100
15	M18	X	10.316	10.316	0	%100
16	M18	Z	-5.956	-5.956	0	%100
17	M19	X	7	7	0	%100
18	M19	Z	-4.042	-4.042	0	%100
19	MP5C	X	7	7	0	%100
20	MP5C	Z	-4.042	-4.042	0	%100
21	MP4C	X	7	7	0	%100
22	MP4C	Z	-4.042	-4.042	0	%100
23	MP3C	X	7	7	0	%100
24	MP3C	Z	-4.042	-4.042	0	%100
25	MP2C	X	7	7	0	%100
26	MP2C	Z	-4.042	-4.042	0	%100
27	MP1C	X	7	7	0	%100
28	MP1C	Z	-4.042	-4.042	0	%100
29	M35	X	2.579	2.579	0	%100
30	M35	Z	-1.489	-1.489	0	%100
31	M36	X	1.75	1.75	0	%100
32	M36	Z	-1.01	-1.01	0	%100
33	MP5B	X	7	7	0	%100
34	MP5B	Z	-4.042	-4.042	0	%100
35	MP4B	X	7	7	0	%100
36	MP4B	Z	-4.042	-4.042	0	%100
37	MP3B	X	7	7	0	%100
38	MP3B	Z	-4.042	-4.042	0	%100
39	MP2B	X	7	7	0	%100
40	MP2B	Z	-4.042	-4.042	0	%100
41	MP1B	X	7	7	0	%100
42	MP1B	Z	-4.042	-4.042	0	%100
43	M52	X	7.894	7.894	0	%100
44	M52	Z	-4.557	-4.557	0	%100
45	M53	X	1.973	1.973	0	%100
46	M53	Z	-1.139	-1.139	0	%100
47	M54	X	1.973	1.973	0	%100
48	M54	Z	-1.139	-1.139	0	%100
49	M58	X	7.859	7.859	0	%100
50	M58	Z	-4.537	-4.537	0	%100
51	M59	X	0	0	0	%100
52	M59	Z	0	0	0	%100
53	M60	X	7.859	7.859	0	%100
54	M60	Z	-4.537	-4.537	0	%100
55	M63	X	4.503	4.503	0	%100
56	M63	Z	-2.6	-2.6	0	%100
57	M64	X	4.503	4.503	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,%]
58	M64	Z	-2.6	-2.6	0	%100
59	M81	X	18.013	18.013	0	%100
60	M81	Z	-10.4	-10.4	0	%100
61	M82	X	18.013	18.013	0	%100
62	M82	Z	-10.4	-10.4	0	%100
63	M85	X	4.503	4.503	0	%100
64	M85	Z	-2.6	-2.6	0	%100
65	M86	X	4.503	4.503	0	%100
66	M86	Z	-2.6	-2.6	0	%100
67	M91	X	14.278	14.278	0	%100
68	M91	Z	-8.243	-8.243	0	%100
69	M92	X	14.278	14.278	0	%100
70	M92	Z	-8.243	-8.243	0	%100
71	M80A	X	2.215	2.215	0	%100
72	M80A	Z	-1.279	-1.279	0	%100
73	M80B	X	2.215	2.215	0	%100
74	M80B	Z	-1.279	-1.279	0	%100
75	M79A	X	0	0	0	%100
76	M79A	Z	0	0	0	%100
77	M80C	X	0	0	0	%100
78	M80C	Z	0	0	0	%100
79	M81B	X	8.861	8.861	0	%100
80	M81B	Z	-5.116	-5.116	0	%100
81	M82B	X	8.861	8.861	0	%100
82	M82B	Z	-5.116	-5.116	0	%100
83	M85A	X	14.278	14.278	0	%100
84	M85A	Z	-8.243	-8.243	0	%100
85	M86A	X	14.278	14.278	0	%100
86	M86A	Z	-8.243	-8.243	0	%100
87	M87	X	2.215	2.215	0	%100
88	M87	Z	-1.279	-1.279	0	%100
89	M88	X	2.215	2.215	0	%100
90	M88	Z	-1.279	-1.279	0	%100
91	M93	X	1.599	1.599	0	%100
92	M93	Z	-.923	-.923	0	%100
93	M91A	X	10.899	10.899	0	%100
94	M91A	Z	-6.293	-6.293	0	%100
95	M93A	X	15.262	15.262	0	%100
96	M93A	Z	-8.812	-8.812	0	%100
97	M95	X	15.262	15.262	0	%100
98	M95	Z	-8.812	-8.812	0	%100
99	M97	X	10.899	10.899	0	%100
100	M97	Z	-6.293	-6.293	0	%100
101	M99	X	1.599	1.599	0	%100
102	M99	Z	-.923	-.923	0	%100
103	M104	X	17.685	17.685	0	%100
104	M104	Z	-10.211	-10.211	0	%100
105	M105	X	4.421	4.421	0	%100
106	M105	Z	-2.553	-2.553	0	%100
107	M106	X	4.421	4.421	0	%100
108	M106	Z	-2.553	-2.553	0	%100
109	M111	X	2.554	2.554	0	%100
110	M111	Z	-1.474	-1.474	0	%100
111	M112	X	9.739	9.739	0	%100
112	M112	Z	-5.623	-5.623	0	%100
113	M119	X	2.319	2.319	0	%100
114	M119	Z	-1.339	-1.339	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,%]
115	M120	X	2.319	2.319	0	%100
116	M120	Z	-1.339	-1.339	0	%100
117	M127	X	9.739	9.739	0	%100
118	M127	Z	-5.623	-5.623	0	%100
119	M128	X	2.554	2.554	0	%100
120	M128	Z	-1.474	-1.474	0	%100
121	M128A	X	7	7	0	%100
122	M128A	Z	-4.042	-4.042	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	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	MP5A	X	8.083	8.083	0	%100
6	MP5A	Z	0	0	0	%100
7	MP4A	X	8.083	8.083	0	%100
8	MP4A	Z	0	0	0	%100
9	MP3A	X	8.083	8.083	0	%100
10	MP3A	Z	0	0	0	%100
11	MP2A	X	8.083	8.083	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	8.083	8.083	0	%100
14	MP1A	Z	0	0	0	%100
15	M18	X	8.934	8.934	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	6.063	6.063	0	%100
18	M19	Z	0	0	0	%100
19	MP5C	X	8.083	8.083	0	%100
20	MP5C	Z	0	0	0	%100
21	MP4C	X	8.083	8.083	0	%100
22	MP4C	Z	0	0	0	%100
23	MP3C	X	8.083	8.083	0	%100
24	MP3C	Z	0	0	0	%100
25	MP2C	X	8.083	8.083	0	%100
26	MP2C	Z	0	0	0	%100
27	MP1C	X	8.083	8.083	0	%100
28	MP1C	Z	0	0	0	%100
29	M35	X	8.934	8.934	0	%100
30	M35	Z	0	0	0	%100
31	M36	X	6.063	6.063	0	%100
32	M36	Z	0	0	0	%100
33	MP5B	X	8.083	8.083	0	%100
34	MP5B	Z	0	0	0	%100
35	MP4B	X	8.083	8.083	0	%100
36	MP4B	Z	0	0	0	%100
37	MP3B	X	8.083	8.083	0	%100
38	MP3B	Z	0	0	0	%100
39	MP2B	X	8.083	8.083	0	%100
40	MP2B	Z	0	0	0	%100
41	MP1B	X	8.083	8.083	0	%100
42	MP1B	Z	0	0	0	%100
43	M52	X	6.836	6.836	0	%100
44	M52	Z	0	0	0	%100
45	M53	X	6.836	6.836	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,%]
46	M53	Z	0	0	0	%100
47	M54	X	0	0	0	%100
48	M54	Z	0	0	0	%100
49	M58	X	12.099	12.099	0	%100
50	M58	Z	0	0	0	%100
51	M59	X	3.025	3.025	0	%100
52	M59	Z	0	0	0	%100
53	M60	X	3.025	3.025	0	%100
54	M60	Z	0	0	0	%100
55	M63	X	0	0	0	%100
56	M63	Z	0	0	0	%100
57	M64	X	0	0	0	%100
58	M64	Z	0	0	0	%100
59	M81	X	15.6	15.6	0	%100
60	M81	Z	0	0	0	%100
61	M82	X	15.6	15.6	0	%100
62	M82	Z	0	0	0	%100
63	M85	X	15.6	15.6	0	%100
64	M85	Z	0	0	0	%100
65	M86	X	15.6	15.6	0	%100
66	M86	Z	0	0	0	%100
67	M91	X	21.982	21.982	0	%100
68	M91	Z	0	0	0	%100
69	M92	X	21.982	21.982	0	%100
70	M92	Z	0	0	0	%100
71	M80A	X	0	0	0	%100
72	M80A	Z	0	0	0	%100
73	M80B	X	0	0	0	%100
74	M80B	Z	0	0	0	%100
75	M79A	X	5.495	5.495	0	%100
76	M79A	Z	0	0	0	%100
77	M80C	X	5.495	5.495	0	%100
78	M80C	Z	0	0	0	%100
79	M81B	X	7.674	7.674	0	%100
80	M81B	Z	0	0	0	%100
81	M82B	X	7.674	7.674	0	%100
82	M82B	Z	0	0	0	%100
83	M85A	X	5.495	5.495	0	%100
84	M85A	Z	0	0	0	%100
85	M86A	X	5.495	5.495	0	%100
86	M86A	Z	0	0	0	%100
87	M87	X	7.674	7.674	0	%100
88	M87	Z	0	0	0	%100
89	M88	X	7.674	7.674	0	%100
90	M88	Z	0	0	0	%100
91	M93	X	.957	.957	0	%100
92	M93	Z	0	0	0	%100
93	M91A	X	2.798	2.798	0	%100
94	M91A	Z	0	0	0	%100
95	M93A	X	7.836	7.836	0	%100
96	M93A	Z	0	0	0	%100
97	M95	X	19.998	19.998	0	%100
98	M95	Z	0	0	0	%100
99	M97	X	19.998	19.998	0	%100
100	M97	Z	0	0	0	%100
101	M99	X	11.1	11.1	0	%100
102	M99	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,%]
103	M104	X	15.316	15.316	0	%100
104	M104	Z	0	0	0	%100
105	M105	X	15.316	15.316	0	%100
106	M105	Z	0	0	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	0	0	0	%100
109	M111	X	8.571	8.571	0	%100
110	M111	Z	0	0	0	%100
111	M112	X	8.571	8.571	0	%100
112	M112	Z	0	0	0	%100
113	M119	X	.002	.002	0	%100
114	M119	Z	0	0	0	%100
115	M120	X	8.299	8.299	0	%100
116	M120	Z	0	0	0	%100
117	M127	X	8.299	8.299	0	%100
118	M127	Z	0	0	0	%100
119	M128	X	.002	.002	0	%100
120	M128	Z	0	0	0	%100
121	M128A	X	8.083	8.083	0	%100
122	M128A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.579	2.579	0	%100
2	M1	Z	1.489	1.489	0	%100
3	M2	X	1.75	1.75	0	%100
4	M2	Z	1.01	1.01	0	%100
5	MP5A	X	7	7	0	%100
6	MP5A	Z	4.042	4.042	0	%100
7	MP4A	X	7	7	0	%100
8	MP4A	Z	4.042	4.042	0	%100
9	MP3A	X	7	7	0	%100
10	MP3A	Z	4.042	4.042	0	%100
11	MP2A	X	7	7	0	%100
12	MP2A	Z	4.042	4.042	0	%100
13	MP1A	X	7	7	0	%100
14	MP1A	Z	4.042	4.042	0	%100
15	M18	X	2.579	2.579	0	%100
16	M18	Z	1.489	1.489	0	%100
17	M19	X	1.75	1.75	0	%100
18	M19	Z	1.01	1.01	0	%100
19	MP5C	X	7	7	0	%100
20	MP5C	Z	4.042	4.042	0	%100
21	MP4C	X	7	7	0	%100
22	MP4C	Z	4.042	4.042	0	%100
23	MP3C	X	7	7	0	%100
24	MP3C	Z	4.042	4.042	0	%100
25	MP2C	X	7	7	0	%100
26	MP2C	Z	4.042	4.042	0	%100
27	MP1C	X	7	7	0	%100
28	MP1C	Z	4.042	4.042	0	%100
29	M35	X	10.316	10.316	0	%100
30	M35	Z	5.956	5.956	0	%100
31	M36	X	7	7	0	%100
32	M36	Z	4.042	4.042	0	%100
33	MP5B	X	7	7	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,%]
34	MP5B	Z	4.042	4.042	0	%100
35	MP4B	X	7	7	0	%100
36	MP4B	Z	4.042	4.042	0	%100
37	MP3B	X	7	7	0	%100
38	MP3B	Z	4.042	4.042	0	%100
39	MP2B	X	7	7	0	%100
40	MP2B	Z	4.042	4.042	0	%100
41	MP1B	X	7	7	0	%100
42	MP1B	Z	4.042	4.042	0	%100
43	M52	X	1.973	1.973	0	%100
44	M52	Z	1.139	1.139	0	%100
45	M53	X	7.894	7.894	0	%100
46	M53	Z	4.557	4.557	0	%100
47	M54	X	1.973	1.973	0	%100
48	M54	Z	1.139	1.139	0	%100
49	M58	X	7.859	7.859	0	%100
50	M58	Z	4.537	4.537	0	%100
51	M59	X	7.859	7.859	0	%100
52	M59	Z	4.537	4.537	0	%100
53	M60	X	0	0	0	%100
54	M60	Z	0	0	0	%100
55	M63	X	4.503	4.503	0	%100
56	M63	Z	2.6	2.6	0	%100
57	M64	X	4.503	4.503	0	%100
58	M64	Z	2.6	2.6	0	%100
59	M81	X	4.503	4.503	0	%100
60	M81	Z	2.6	2.6	0	%100
61	M82	X	4.503	4.503	0	%100
62	M82	Z	2.6	2.6	0	%100
63	M85	X	18.013	18.013	0	%100
64	M85	Z	10.4	10.4	0	%100
65	M86	X	18.013	18.013	0	%100
66	M86	Z	10.4	10.4	0	%100
67	M91	X	14.278	14.278	0	%100
68	M91	Z	8.243	8.243	0	%100
69	M92	X	14.278	14.278	0	%100
70	M92	Z	8.243	8.243	0	%100
71	M80A	X	2.215	2.215	0	%100
72	M80A	Z	1.279	1.279	0	%100
73	M80B	X	2.215	2.215	0	%100
74	M80B	Z	1.279	1.279	0	%100
75	M79A	X	14.278	14.278	0	%100
76	M79A	Z	8.243	8.243	0	%100
77	M80C	X	14.278	14.278	0	%100
78	M80C	Z	8.243	8.243	0	%100
79	M81B	X	2.215	2.215	0	%100
80	M81B	Z	1.279	1.279	0	%100
81	M82B	X	2.215	2.215	0	%100
82	M82B	Z	1.279	1.279	0	%100
83	M85A	X	0	0	0	%100
84	M85A	Z	0	0	0	%100
85	M86A	X	0	0	0	%100
86	M86A	Z	0	0	0	%100
87	M87	X	8.861	8.861	0	%100
88	M87	Z	5.116	5.116	0	%100
89	M88	X	8.861	8.861	0	%100
90	M88	Z	5.116	5.116	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,%]
91	M93	X	8.073	8.073	0	%100
92	M93	Z	4.661	4.661	0	%100
93	M91A	X	.366	.366	0	%100
94	M91A	Z	.212	.212	0	%100
95	M93A	X	.366	.366	0	%100
96	M93A	Z	.212	.212	0	%100
97	M95	X	10.899	10.899	0	%100
98	M95	Z	6.293	6.293	0	%100
99	M97	X	15.262	15.262	0	%100
100	M97	Z	8.812	8.812	0	%100
101	M99	X	16.856	16.856	0	%100
102	M99	Z	9.732	9.732	0	%100
103	M104	X	4.421	4.421	0	%100
104	M104	Z	2.553	2.553	0	%100
105	M105	X	17.685	17.685	0	%100
106	M105	Z	10.211	10.211	0	%100
107	M106	X	4.421	4.421	0	%100
108	M106	Z	2.553	2.553	0	%100
109	M111	X	9.739	9.739	0	%100
110	M111	Z	5.623	5.623	0	%100
111	M112	X	2.554	2.554	0	%100
112	M112	Z	1.474	1.474	0	%100
113	M119	X	2.554	2.554	0	%100
114	M119	Z	1.474	1.474	0	%100
115	M120	X	9.739	9.739	0	%100
116	M120	Z	5.623	5.623	0	%100
117	M127	X	2.319	2.319	0	%100
118	M127	Z	1.339	1.339	0	%100
119	M128	X	2.319	2.319	0	%100
120	M128	Z	1.339	1.339	0	%100
121	M128A	X	7	7	0	%100
122	M128A	Z	4.042	4.042	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	4.467	4.467	0	%100
2	M1	Z	7.737	7.737	0	%100
3	M2	X	3.031	3.031	0	%100
4	M2	Z	5.25	5.25	0	%100
5	MP5A	X	4.042	4.042	0	%100
6	MP5A	Z	7	7	0	%100
7	MP4A	X	4.042	4.042	0	%100
8	MP4A	Z	7	7	0	%100
9	MP3A	X	4.042	4.042	0	%100
10	MP3A	Z	7	7	0	%100
11	MP2A	X	4.042	4.042	0	%100
12	MP2A	Z	7	7	0	%100
13	MP1A	X	4.042	4.042	0	%100
14	MP1A	Z	7	7	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	0	0	0	%100
19	MP5C	X	4.042	4.042	0	%100
20	MP5C	Z	7	7	0	%100
21	MP4C	X	4.042	4.042	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,%]
22	MP4C	Z	7	7	0	%100
23	MP3C	X	4.042	4.042	0	%100
24	MP3C	Z	7	7	0	%100
25	MP2C	X	4.042	4.042	0	%100
26	MP2C	Z	7	7	0	%100
27	MP1C	X	4.042	4.042	0	%100
28	MP1C	Z	7	7	0	%100
29	M35	X	4.467	4.467	0	%100
30	M35	Z	7.737	7.737	0	%100
31	M36	X	3.031	3.031	0	%100
32	M36	Z	5.25	5.25	0	%100
33	MP5B	X	4.042	4.042	0	%100
34	MP5B	Z	7	7	0	%100
35	MP4B	X	4.042	4.042	0	%100
36	MP4B	Z	7	7	0	%100
37	MP3B	X	4.042	4.042	0	%100
38	MP3B	Z	7	7	0	%100
39	MP2B	X	4.042	4.042	0	%100
40	MP2B	Z	7	7	0	%100
41	MP1B	X	4.042	4.042	0	%100
42	MP1B	Z	7	7	0	%100
43	M52	X	0	0	0	%100
44	M52	Z	0	0	0	%100
45	M53	X	3.418	3.418	0	%100
46	M53	Z	5.92	5.92	0	%100
47	M54	X	3.418	3.418	0	%100
48	M54	Z	5.92	5.92	0	%100
49	M58	X	1.512	1.512	0	%100
50	M58	Z	2.62	2.62	0	%100
51	M59	X	6.05	6.05	0	%100
52	M59	Z	10.478	10.478	0	%100
53	M60	X	1.512	1.512	0	%100
54	M60	Z	2.62	2.62	0	%100
55	M63	X	7.8	7.8	0	%100
56	M63	Z	13.51	13.51	0	%100
57	M64	X	7.8	7.8	0	%100
58	M64	Z	13.51	13.51	0	%100
59	M81	X	0	0	0	%100
60	M81	Z	0	0	0	%100
61	M82	X	0	0	0	%100
62	M82	Z	0	0	0	%100
63	M85	X	7.8	7.8	0	%100
64	M85	Z	13.51	13.51	0	%100
65	M86	X	7.8	7.8	0	%100
66	M86	Z	13.51	13.51	0	%100
67	M91	X	2.748	2.748	0	%100
68	M91	Z	4.759	4.759	0	%100
69	M92	X	2.748	2.748	0	%100
70	M92	Z	4.759	4.759	0	%100
71	M80A	X	3.837	3.837	0	%100
72	M80A	Z	6.646	6.646	0	%100
73	M80B	X	3.837	3.837	0	%100
74	M80B	Z	6.646	6.646	0	%100
75	M79A	X	10.991	10.991	0	%100
76	M79A	Z	19.037	19.037	0	%100
77	M80C	X	10.991	10.991	0	%100
78	M80C	Z	19.037	19.037	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,%]
79	M81B	X	0	0	0	%100
80	M81B	Z	0	0	0	%100
81	M82B	X	0	0	0	%100
82	M82B	Z	0	0	0	%100
83	M85A	X	2.748	2.748	0	%100
84	M85A	Z	4.759	4.759	0	%100
85	M86A	X	2.748	2.748	0	%100
86	M86A	Z	4.759	4.759	0	%100
87	M87	X	3.837	3.837	0	%100
88	M87	Z	6.646	6.646	0	%100
89	M88	X	3.837	3.837	0	%100
90	M88	Z	6.646	6.646	0	%100
91	M93	X	9.288	9.288	0	%100
92	M93	Z	16.087	16.087	0	%100
93	M91A	X	3.918	3.918	0	%100
94	M91A	Z	6.786	6.786	0	%100
95	M93A	X	1.399	1.399	0	%100
96	M93A	Z	2.423	2.423	0	%100
97	M95	X	1.399	1.399	0	%100
98	M95	Z	2.423	2.423	0	%100
99	M97	X	3.918	3.918	0	%100
100	M97	Z	6.786	6.786	0	%100
101	M99	X	9.288	9.288	0	%100
102	M99	Z	16.087	16.087	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	0	0	0	%100
105	M105	X	7.658	7.658	0	%100
106	M105	Z	13.264	13.264	0	%100
107	M106	X	7.658	7.658	0	%100
108	M106	Z	13.264	13.264	0	%100
109	M111	X	4.15	4.15	0	%100
110	M111	Z	7.188	7.188	0	%100
111	M112	X	.001	.001	0	%100
112	M112	Z	.002	.002	0	%100
113	M119	X	4.285	4.285	0	%100
114	M119	Z	7.422	7.422	0	%100
115	M120	X	4.285	4.285	0	%100
116	M120	Z	7.422	7.422	0	%100
117	M127	X	.001	.001	0	%100
118	M127	Z	.002	.002	0	%100
119	M128	X	4.15	4.15	0	%100
120	M128	Z	7.188	7.188	0	%100
121	M128A	X	4.042	4.042	0	%100
122	M128A	Z	7	7	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	11.912	11.912	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	8.083	8.083	0	%100
5	MP5A	X	0	0	0	%100
6	MP5A	Z	8.083	8.083	0	%100
7	MP4A	X	0	0	0	%100
8	MP4A	Z	8.083	8.083	0	%100
9	MP3A	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,%]
10	MP3A	Z	8.083	8.083	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	8.083	8.083	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	8.083	8.083	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	2.978	2.978	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	2.021	2.021	0	%100
19	MP5C	X	0	0	0	%100
20	MP5C	Z	8.083	8.083	0	%100
21	MP4C	X	0	0	0	%100
22	MP4C	Z	8.083	8.083	0	%100
23	MP3C	X	0	0	0	%100
24	MP3C	Z	8.083	8.083	0	%100
25	MP2C	X	0	0	0	%100
26	MP2C	Z	8.083	8.083	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	8.083	8.083	0	%100
29	M35	X	0	0	0	%100
30	M35	Z	2.978	2.978	0	%100
31	M36	X	0	0	0	%100
32	M36	Z	2.021	2.021	0	%100
33	MP5B	X	0	0	0	%100
34	MP5B	Z	8.083	8.083	0	%100
35	MP4B	X	0	0	0	%100
36	MP4B	Z	8.083	8.083	0	%100
37	MP3B	X	0	0	0	%100
38	MP3B	Z	8.083	8.083	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	8.083	8.083	0	%100
41	MP1B	X	0	0	0	%100
42	MP1B	Z	8.083	8.083	0	%100
43	M52	X	0	0	0	%100
44	M52	Z	2.279	2.279	0	%100
45	M53	X	0	0	0	%100
46	M53	Z	2.279	2.279	0	%100
47	M54	X	0	0	0	%100
48	M54	Z	9.115	9.115	0	%100
49	M58	X	0	0	0	%100
50	M58	Z	0	0	0	%100
51	M59	X	0	0	0	%100
52	M59	Z	9.075	9.075	0	%100
53	M60	X	0	0	0	%100
54	M60	Z	9.075	9.075	0	%100
55	M63	X	0	0	0	%100
56	M63	Z	20.799	20.799	0	%100
57	M64	X	0	0	0	%100
58	M64	Z	20.799	20.799	0	%100
59	M81	X	0	0	0	%100
60	M81	Z	5.2	5.2	0	%100
61	M82	X	0	0	0	%100
62	M82	Z	5.2	5.2	0	%100
63	M85	X	0	0	0	%100
64	M85	Z	5.2	5.2	0	%100
65	M86	X	0	0	0	%100
66	M86	Z	5.2	5.2	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,%]
67	M91	X	0	0	0	%100
68	M91	Z	0	0	0	%100
69	M92	X	0	0	0	%100
70	M92	Z	0	0	0	%100
71	M80A	X	0	0	0	%100
72	M80A	Z	10.232	10.232	0	%100
73	M80B	X	0	0	0	%100
74	M80B	Z	10.232	10.232	0	%100
75	M79A	X	0	0	0	%100
76	M79A	Z	16.486	16.486	0	%100
77	M80C	X	0	0	0	%100
78	M80C	Z	16.486	16.486	0	%100
79	M81B	X	0	0	0	%100
80	M81B	Z	2.558	2.558	0	%100
81	M82B	X	0	0	0	%100
82	M82B	Z	2.558	2.558	0	%100
83	M85A	X	0	0	0	%100
84	M85A	Z	16.486	16.486	0	%100
85	M86A	X	0	0	0	%100
86	M86A	Z	16.486	16.486	0	%100
87	M87	X	0	0	0	%100
88	M87	Z	2.558	2.558	0	%100
89	M88	X	0	0	0	%100
90	M88	Z	2.558	2.558	0	%100
91	M93	X	0	0	0	%100
92	M93	Z	19.464	19.464	0	%100
93	M91A	X	0	0	0	%100
94	M91A	Z	17.623	17.623	0	%100
95	M93A	X	0	0	0	%100
96	M93A	Z	12.585	12.585	0	%100
97	M95	X	0	0	0	%100
98	M95	Z	.423	.423	0	%100
99	M97	X	0	0	0	%100
100	M97	Z	.423	.423	0	%100
101	M99	X	0	0	0	%100
102	M99	Z	9.322	9.322	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	5.105	5.105	0	%100
105	M105	X	0	0	0	%100
106	M105	Z	5.105	5.105	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	20.421	20.421	0	%100
109	M111	X	0	0	0	%100
110	M111	Z	2.678	2.678	0	%100
111	M112	X	0	0	0	%100
112	M112	Z	2.678	2.678	0	%100
113	M119	X	0	0	0	%100
114	M119	Z	11.246	11.246	0	%100
115	M120	X	0	0	0	%100
116	M120	Z	2.949	2.949	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	2.949	2.949	0	%100
119	M128	X	0	0	0	%100
120	M128	Z	11.246	11.246	0	%100
121	M128A	X	0	0	0	%100
122	M128A	Z	8.083	8.083	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-4.467	-4.467	0	%100
2	M1	Z	7.737	7.737	0	%100
3	M2	X	-3.031	-3.031	0	%100
4	M2	Z	5.25	5.25	0	%100
5	MP5A	X	-4.042	-4.042	0	%100
6	MP5A	Z	7	7	0	%100
7	MP4A	X	-4.042	-4.042	0	%100
8	MP4A	Z	7	7	0	%100
9	MP3A	X	-4.042	-4.042	0	%100
10	MP3A	Z	7	7	0	%100
11	MP2A	X	-4.042	-4.042	0	%100
12	MP2A	Z	7	7	0	%100
13	MP1A	X	-4.042	-4.042	0	%100
14	MP1A	Z	7	7	0	%100
15	M18	X	-4.467	-4.467	0	%100
16	M18	Z	7.737	7.737	0	%100
17	M19	X	-3.031	-3.031	0	%100
18	M19	Z	5.25	5.25	0	%100
19	MP5C	X	-4.042	-4.042	0	%100
20	MP5C	Z	7	7	0	%100
21	MP4C	X	-4.042	-4.042	0	%100
22	MP4C	Z	7	7	0	%100
23	MP3C	X	-4.042	-4.042	0	%100
24	MP3C	Z	7	7	0	%100
25	MP2C	X	-4.042	-4.042	0	%100
26	MP2C	Z	7	7	0	%100
27	MP1C	X	-4.042	-4.042	0	%100
28	MP1C	Z	7	7	0	%100
29	M35	X	0	0	0	%100
30	M35	Z	0	0	0	%100
31	M36	X	0	0	0	%100
32	M36	Z	0	0	0	%100
33	MP5B	X	-4.042	-4.042	0	%100
34	MP5B	Z	7	7	0	%100
35	MP4B	X	-4.042	-4.042	0	%100
36	MP4B	Z	7	7	0	%100
37	MP3B	X	-4.042	-4.042	0	%100
38	MP3B	Z	7	7	0	%100
39	MP2B	X	-4.042	-4.042	0	%100
40	MP2B	Z	7	7	0	%100
41	MP1B	X	-4.042	-4.042	0	%100
42	MP1B	Z	7	7	0	%100
43	M52	X	-3.418	-3.418	0	%100
44	M52	Z	5.92	5.92	0	%100
45	M53	X	0	0	0	%100
46	M53	Z	0	0	0	%100
47	M54	X	-3.418	-3.418	0	%100
48	M54	Z	5.92	5.92	0	%100
49	M58	X	-1.512	-1.512	0	%100
50	M58	Z	2.62	2.62	0	%100
51	M59	X	-1.512	-1.512	0	%100
52	M59	Z	2.62	2.62	0	%100
53	M60	X	-6.05	-6.05	0	%100
54	M60	Z	10.478	10.478	0	%100
55	M63	X	-7.8	-7.8	0	%100
56	M63	Z	13.51	13.51	0	%100
57	M64	X	-7.8	-7.8	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,%]
58	M64	Z	13.51	13.51	0	%100
59	M81	X	-7.8	-7.8	0	%100
60	M81	Z	13.51	13.51	0	%100
61	M82	X	-7.8	-7.8	0	%100
62	M82	Z	13.51	13.51	0	%100
63	M85	X	0	0	0	%100
64	M85	Z	0	0	0	%100
65	M86	X	0	0	0	%100
66	M86	Z	0	0	0	%100
67	M91	X	-2.748	-2.748	0	%100
68	M91	Z	4.759	4.759	0	%100
69	M92	X	-2.748	-2.748	0	%100
70	M92	Z	4.759	4.759	0	%100
71	M80A	X	-3.837	-3.837	0	%100
72	M80A	Z	6.646	6.646	0	%100
73	M80B	X	-3.837	-3.837	0	%100
74	M80B	Z	6.646	6.646	0	%100
75	M79A	X	-2.748	-2.748	0	%100
76	M79A	Z	4.759	4.759	0	%100
77	M80C	X	-2.748	-2.748	0	%100
78	M80C	Z	4.759	4.759	0	%100
79	M81B	X	-3.837	-3.837	0	%100
80	M81B	Z	6.646	6.646	0	%100
81	M82B	X	-3.837	-3.837	0	%100
82	M82B	Z	6.646	6.646	0	%100
83	M85A	X	-10.991	-10.991	0	%100
84	M85A	Z	19.037	19.037	0	%100
85	M86A	X	-10.991	-10.991	0	%100
86	M86A	Z	19.037	19.037	0	%100
87	M87	X	0	0	0	%100
88	M87	Z	0	0	0	%100
89	M88	X	0	0	0	%100
90	M88	Z	0	0	0	%100
91	M93	X	-5.55	-5.55	0	%100
92	M93	Z	9.613	9.613	0	%100
93	M91A	X	-9.999	-9.999	0	%100
94	M91A	Z	17.319	17.319	0	%100
95	M93A	X	-9.999	-9.999	0	%100
96	M93A	Z	17.319	17.319	0	%100
97	M95	X	-3.918	-3.918	0	%100
98	M95	Z	6.786	6.786	0	%100
99	M97	X	-1.399	-1.399	0	%100
100	M97	Z	2.423	2.423	0	%100
101	M99	X	-.479	-.479	0	%100
102	M99	Z	.829	.829	0	%100
103	M104	X	-7.658	-7.658	0	%100
104	M104	Z	13.264	13.264	0	%100
105	M105	X	0	0	0	%100
106	M105	Z	0	0	0	%100
107	M106	X	-7.658	-7.658	0	%100
108	M106	Z	13.264	13.264	0	%100
109	M111	X	-.001	-.001	0	%100
110	M111	Z	.002	.002	0	%100
111	M112	X	-4.15	-4.15	0	%100
112	M112	Z	7.188	7.188	0	%100
113	M119	X	-4.15	-4.15	0	%100
114	M119	Z	7.188	7.188	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,%]
115	M120	X	-.001	-.001	0	%100
116	M120	Z	.002	.002	0	%100
117	M127	X	-4.285	-4.285	0	%100
118	M127	Z	7.422	7.422	0	%100
119	M128	X	-4.285	-4.285	0	%100
120	M128	Z	7.422	7.422	0	%100
121	M128A	X	-4.042	-4.042	0	%100
122	M128A	Z	7	7	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	-2.579	-2.579	0	%100
2	M1	Z	1.489	1.489	0	%100
3	M2	X	-1.75	-1.75	0	%100
4	M2	Z	1.01	1.01	0	%100
5	MP5A	X	-7	-7	0	%100
6	MP5A	Z	4.042	4.042	0	%100
7	MP4A	X	-7	-7	0	%100
8	MP4A	Z	4.042	4.042	0	%100
9	MP3A	X	-7	-7	0	%100
10	MP3A	Z	4.042	4.042	0	%100
11	MP2A	X	-7	-7	0	%100
12	MP2A	Z	4.042	4.042	0	%100
13	MP1A	X	-7	-7	0	%100
14	MP1A	Z	4.042	4.042	0	%100
15	M18	X	-10.316	-10.316	0	%100
16	M18	Z	5.956	5.956	0	%100
17	M19	X	-7	-7	0	%100
18	M19	Z	4.042	4.042	0	%100
19	MP5C	X	-7	-7	0	%100
20	MP5C	Z	4.042	4.042	0	%100
21	MP4C	X	-7	-7	0	%100
22	MP4C	Z	4.042	4.042	0	%100
23	MP3C	X	-7	-7	0	%100
24	MP3C	Z	4.042	4.042	0	%100
25	MP2C	X	-7	-7	0	%100
26	MP2C	Z	4.042	4.042	0	%100
27	MP1C	X	-7	-7	0	%100
28	MP1C	Z	4.042	4.042	0	%100
29	M35	X	-2.579	-2.579	0	%100
30	M35	Z	1.489	1.489	0	%100
31	M36	X	-1.75	-1.75	0	%100
32	M36	Z	1.01	1.01	0	%100
33	MP5B	X	-7	-7	0	%100
34	MP5B	Z	4.042	4.042	0	%100
35	MP4B	X	-7	-7	0	%100
36	MP4B	Z	4.042	4.042	0	%100
37	MP3B	X	-7	-7	0	%100
38	MP3B	Z	4.042	4.042	0	%100
39	MP2B	X	-7	-7	0	%100
40	MP2B	Z	4.042	4.042	0	%100
41	MP1B	X	-7	-7	0	%100
42	MP1B	Z	4.042	4.042	0	%100
43	M52	X	-7.894	-7.894	0	%100
44	M52	Z	4.557	4.557	0	%100
45	M53	X	-1.973	-1.973	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,%]
46	M53	Z	1.139	1.139	0	%100
47	M54	X	-1.973	-1.973	0	%100
48	M54	Z	1.139	1.139	0	%100
49	M58	X	-7.859	-7.859	0	%100
50	M58	Z	4.537	4.537	0	%100
51	M59	X	0	0	0	%100
52	M59	Z	0	0	0	%100
53	M60	X	-7.859	-7.859	0	%100
54	M60	Z	4.537	4.537	0	%100
55	M63	X	-4.503	-4.503	0	%100
56	M63	Z	2.6	2.6	0	%100
57	M64	X	-4.503	-4.503	0	%100
58	M64	Z	2.6	2.6	0	%100
59	M81	X	-18.013	-18.013	0	%100
60	M81	Z	10.4	10.4	0	%100
61	M82	X	-18.013	-18.013	0	%100
62	M82	Z	10.4	10.4	0	%100
63	M85	X	-4.503	-4.503	0	%100
64	M85	Z	2.6	2.6	0	%100
65	M86	X	-4.503	-4.503	0	%100
66	M86	Z	2.6	2.6	0	%100
67	M91	X	-14.278	-14.278	0	%100
68	M91	Z	8.243	8.243	0	%100
69	M92	X	-14.278	-14.278	0	%100
70	M92	Z	8.243	8.243	0	%100
71	M80A	X	-2.215	-2.215	0	%100
72	M80A	Z	1.279	1.279	0	%100
73	M80B	X	-2.215	-2.215	0	%100
74	M80B	Z	1.279	1.279	0	%100
75	M79A	X	0	0	0	%100
76	M79A	Z	0	0	0	%100
77	M80C	X	0	0	0	%100
78	M80C	Z	0	0	0	%100
79	M81B	X	-8.861	-8.861	0	%100
80	M81B	Z	5.116	5.116	0	%100
81	M82B	X	-8.861	-8.861	0	%100
82	M82B	Z	5.116	5.116	0	%100
83	M85A	X	-14.278	-14.278	0	%100
84	M85A	Z	8.243	8.243	0	%100
85	M86A	X	-14.278	-14.278	0	%100
86	M86A	Z	8.243	8.243	0	%100
87	M87	X	-2.215	-2.215	0	%100
88	M87	Z	1.279	1.279	0	%100
89	M88	X	-2.215	-2.215	0	%100
90	M88	Z	1.279	1.279	0	%100
91	M93	X	-1.599	-1.599	0	%100
92	M93	Z	.923	.923	0	%100
93	M91A	X	-10.899	-10.899	0	%100
94	M91A	Z	6.293	6.293	0	%100
95	M93A	X	-15.262	-15.262	0	%100
96	M93A	Z	8.812	8.812	0	%100
97	M95	X	-15.262	-15.262	0	%100
98	M95	Z	8.812	8.812	0	%100
99	M97	X	-10.899	-10.899	0	%100
100	M97	Z	6.293	6.293	0	%100
101	M99	X	-1.599	-1.599	0	%100
102	M99	Z	.923	.923	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,%]
103	M104	X	-17.685	-17.685	0	%100
104	M104	Z	10.211	10.211	0	%100
105	M105	X	-4.421	-4.421	0	%100
106	M105	Z	2.553	2.553	0	%100
107	M106	X	-4.421	-4.421	0	%100
108	M106	Z	2.553	2.553	0	%100
109	M111	X	-2.554	-2.554	0	%100
110	M111	Z	1.474	1.474	0	%100
111	M112	X	-9.739	-9.739	0	%100
112	M112	Z	5.623	5.623	0	%100
113	M119	X	-2.319	-2.319	0	%100
114	M119	Z	1.339	1.339	0	%100
115	M120	X	-2.319	-2.319	0	%100
116	M120	Z	1.339	1.339	0	%100
117	M127	X	-9.739	-9.739	0	%100
118	M127	Z	5.623	5.623	0	%100
119	M128	X	-2.554	-2.554	0	%100
120	M128	Z	1.474	1.474	0	%100
121	M128A	X	-7	-7	0	%100
122	M128A	Z	4.042	4.042	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	MP5A	X	-8.083	-8.083	0	%100
6	MP5A	Z	0	0	0	%100
7	MP4A	X	-8.083	-8.083	0	%100
8	MP4A	Z	0	0	0	%100
9	MP3A	X	-8.083	-8.083	0	%100
10	MP3A	Z	0	0	0	%100
11	MP2A	X	-8.083	-8.083	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-8.083	-8.083	0	%100
14	MP1A	Z	0	0	0	%100
15	M18	X	-8.934	-8.934	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	-6.063	-6.063	0	%100
18	M19	Z	0	0	0	%100
19	MP5C	X	-8.083	-8.083	0	%100
20	MP5C	Z	0	0	0	%100
21	MP4C	X	-8.083	-8.083	0	%100
22	MP4C	Z	0	0	0	%100
23	MP3C	X	-8.083	-8.083	0	%100
24	MP3C	Z	0	0	0	%100
25	MP2C	X	-8.083	-8.083	0	%100
26	MP2C	Z	0	0	0	%100
27	MP1C	X	-8.083	-8.083	0	%100
28	MP1C	Z	0	0	0	%100
29	M35	X	-8.934	-8.934	0	%100
30	M35	Z	0	0	0	%100
31	M36	X	-6.063	-6.063	0	%100
32	M36	Z	0	0	0	%100
33	MP5B	X	-8.083	-8.083	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,%]
34	MP5B	Z	0	0	0	%100
35	MP4B	X	-8.083	-8.083	0	%100
36	MP4B	Z	0	0	0	%100
37	MP3B	X	-8.083	-8.083	0	%100
38	MP3B	Z	0	0	0	%100
39	MP2B	X	-8.083	-8.083	0	%100
40	MP2B	Z	0	0	0	%100
41	MP1B	X	-8.083	-8.083	0	%100
42	MP1B	Z	0	0	0	%100
43	M52	X	-6.836	-6.836	0	%100
44	M52	Z	0	0	0	%100
45	M53	X	-6.836	-6.836	0	%100
46	M53	Z	0	0	0	%100
47	M54	X	0	0	0	%100
48	M54	Z	0	0	0	%100
49	M58	X	-12.099	-12.099	0	%100
50	M58	Z	0	0	0	%100
51	M59	X	-3.025	-3.025	0	%100
52	M59	Z	0	0	0	%100
53	M60	X	-3.025	-3.025	0	%100
54	M60	Z	0	0	0	%100
55	M63	X	0	0	0	%100
56	M63	Z	0	0	0	%100
57	M64	X	0	0	0	%100
58	M64	Z	0	0	0	%100
59	M81	X	-15.6	-15.6	0	%100
60	M81	Z	0	0	0	%100
61	M82	X	-15.6	-15.6	0	%100
62	M82	Z	0	0	0	%100
63	M85	X	-15.6	-15.6	0	%100
64	M85	Z	0	0	0	%100
65	M86	X	-15.6	-15.6	0	%100
66	M86	Z	0	0	0	%100
67	M91	X	-21.982	-21.982	0	%100
68	M91	Z	0	0	0	%100
69	M92	X	-21.982	-21.982	0	%100
70	M92	Z	0	0	0	%100
71	M80A	X	0	0	0	%100
72	M80A	Z	0	0	0	%100
73	M80B	X	0	0	0	%100
74	M80B	Z	0	0	0	%100
75	M79A	X	-5.495	-5.495	0	%100
76	M79A	Z	0	0	0	%100
77	M80C	X	-5.495	-5.495	0	%100
78	M80C	Z	0	0	0	%100
79	M81B	X	-7.674	-7.674	0	%100
80	M81B	Z	0	0	0	%100
81	M82B	X	-7.674	-7.674	0	%100
82	M82B	Z	0	0	0	%100
83	M85A	X	-5.495	-5.495	0	%100
84	M85A	Z	0	0	0	%100
85	M86A	X	-5.495	-5.495	0	%100
86	M86A	Z	0	0	0	%100
87	M87	X	-7.674	-7.674	0	%100
88	M87	Z	0	0	0	%100
89	M88	X	-7.674	-7.674	0	%100
90	M88	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,%]
91	M93	X	-.957	-.957	0	%100
92	M93	Z	0	0	0	%100
93	M91A	X	-2.798	-2.798	0	%100
94	M91A	Z	0	0	0	%100
95	M93A	X	-7.836	-7.836	0	%100
96	M93A	Z	0	0	0	%100
97	M95	X	-19.998	-19.998	0	%100
98	M95	Z	0	0	0	%100
99	M97	X	-19.998	-19.998	0	%100
100	M97	Z	0	0	0	%100
101	M99	X	-11.1	-11.1	0	%100
102	M99	Z	0	0	0	%100
103	M104	X	-15.316	-15.316	0	%100
104	M104	Z	0	0	0	%100
105	M105	X	-15.316	-15.316	0	%100
106	M105	Z	0	0	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	0	0	0	%100
109	M111	X	-8.571	-8.571	0	%100
110	M111	Z	0	0	0	%100
111	M112	X	-8.571	-8.571	0	%100
112	M112	Z	0	0	0	%100
113	M119	X	-.002	-.002	0	%100
114	M119	Z	0	0	0	%100
115	M120	X	-8.299	-8.299	0	%100
116	M120	Z	0	0	0	%100
117	M127	X	-8.299	-8.299	0	%100
118	M127	Z	0	0	0	%100
119	M128	X	-.002	-.002	0	%100
120	M128	Z	0	0	0	%100
121	M128A	X	-8.083	-8.083	0	%100
122	M128A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.579	-2.579	0	%100
2	M1	Z	-1.489	-1.489	0	%100
3	M2	X	-1.75	-1.75	0	%100
4	M2	Z	-1.01	-1.01	0	%100
5	MP5A	X	-7	-7	0	%100
6	MP5A	Z	-4.042	-4.042	0	%100
7	MP4A	X	-7	-7	0	%100
8	MP4A	Z	-4.042	-4.042	0	%100
9	MP3A	X	-7	-7	0	%100
10	MP3A	Z	-4.042	-4.042	0	%100
11	MP2A	X	-7	-7	0	%100
12	MP2A	Z	-4.042	-4.042	0	%100
13	MP1A	X	-7	-7	0	%100
14	MP1A	Z	-4.042	-4.042	0	%100
15	M18	X	-2.579	-2.579	0	%100
16	M18	Z	-1.489	-1.489	0	%100
17	M19	X	-1.75	-1.75	0	%100
18	M19	Z	-1.01	-1.01	0	%100
19	MP5C	X	-7	-7	0	%100
20	MP5C	Z	-4.042	-4.042	0	%100
21	MP4C	X	-7	-7	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,%]
22	MP4C	Z	-4.042	-4.042	0	%100
23	MP3C	X	-7	-7	0	%100
24	MP3C	Z	-4.042	-4.042	0	%100
25	MP2C	X	-7	-7	0	%100
26	MP2C	Z	-4.042	-4.042	0	%100
27	MP1C	X	-7	-7	0	%100
28	MP1C	Z	-4.042	-4.042	0	%100
29	M35	X	-10.316	-10.316	0	%100
30	M35	Z	-5.956	-5.956	0	%100
31	M36	X	-7	-7	0	%100
32	M36	Z	-4.042	-4.042	0	%100
33	MP5B	X	-7	-7	0	%100
34	MP5B	Z	-4.042	-4.042	0	%100
35	MP4B	X	-7	-7	0	%100
36	MP4B	Z	-4.042	-4.042	0	%100
37	MP3B	X	-7	-7	0	%100
38	MP3B	Z	-4.042	-4.042	0	%100
39	MP2B	X	-7	-7	0	%100
40	MP2B	Z	-4.042	-4.042	0	%100
41	MP1B	X	-7	-7	0	%100
42	MP1B	Z	-4.042	-4.042	0	%100
43	M52	X	-1.973	-1.973	0	%100
44	M52	Z	-1.139	-1.139	0	%100
45	M53	X	-7.894	-7.894	0	%100
46	M53	Z	-4.557	-4.557	0	%100
47	M54	X	-1.973	-1.973	0	%100
48	M54	Z	-1.139	-1.139	0	%100
49	M58	X	-7.859	-7.859	0	%100
50	M58	Z	-4.537	-4.537	0	%100
51	M59	X	-7.859	-7.859	0	%100
52	M59	Z	-4.537	-4.537	0	%100
53	M60	X	0	0	0	%100
54	M60	Z	0	0	0	%100
55	M63	X	-4.503	-4.503	0	%100
56	M63	Z	-2.6	-2.6	0	%100
57	M64	X	-4.503	-4.503	0	%100
58	M64	Z	-2.6	-2.6	0	%100
59	M81	X	-4.503	-4.503	0	%100
60	M81	Z	-2.6	-2.6	0	%100
61	M82	X	-4.503	-4.503	0	%100
62	M82	Z	-2.6	-2.6	0	%100
63	M85	X	-18.013	-18.013	0	%100
64	M85	Z	-10.4	-10.4	0	%100
65	M86	X	-18.013	-18.013	0	%100
66	M86	Z	-10.4	-10.4	0	%100
67	M91	X	-14.278	-14.278	0	%100
68	M91	Z	-8.243	-8.243	0	%100
69	M92	X	-14.278	-14.278	0	%100
70	M92	Z	-8.243	-8.243	0	%100
71	M80A	X	-2.215	-2.215	0	%100
72	M80A	Z	-1.279	-1.279	0	%100
73	M80B	X	-2.215	-2.215	0	%100
74	M80B	Z	-1.279	-1.279	0	%100
75	M79A	X	-14.278	-14.278	0	%100
76	M79A	Z	-8.243	-8.243	0	%100
77	M80C	X	-14.278	-14.278	0	%100
78	M80C	Z	-8.243	-8.243	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,%]
79	M81B	X	-2.215	-2.215	0	%100
80	M81B	Z	-1.279	-1.279	0	%100
81	M82B	X	-2.215	-2.215	0	%100
82	M82B	Z	-1.279	-1.279	0	%100
83	M85A	X	0	0	0	%100
84	M85A	Z	0	0	0	%100
85	M86A	X	0	0	0	%100
86	M86A	Z	0	0	0	%100
87	M87	X	-8.861	-8.861	0	%100
88	M87	Z	-5.116	-5.116	0	%100
89	M88	X	-8.861	-8.861	0	%100
90	M88	Z	-5.116	-5.116	0	%100
91	M93	X	-8.073	-8.073	0	%100
92	M93	Z	-4.661	-4.661	0	%100
93	M91A	X	-.366	-.366	0	%100
94	M91A	Z	-.212	-.212	0	%100
95	M93A	X	-.366	-.366	0	%100
96	M93A	Z	-.212	-.212	0	%100
97	M95	X	-10.899	-10.899	0	%100
98	M95	Z	-6.293	-6.293	0	%100
99	M97	X	-15.262	-15.262	0	%100
100	M97	Z	-8.812	-8.812	0	%100
101	M99	X	-16.856	-16.856	0	%100
102	M99	Z	-9.732	-9.732	0	%100
103	M104	X	-4.421	-4.421	0	%100
104	M104	Z	-2.553	-2.553	0	%100
105	M105	X	-17.685	-17.685	0	%100
106	M105	Z	-10.211	-10.211	0	%100
107	M106	X	-4.421	-4.421	0	%100
108	M106	Z	-2.553	-2.553	0	%100
109	M111	X	-9.739	-9.739	0	%100
110	M111	Z	-5.623	-5.623	0	%100
111	M112	X	-2.554	-2.554	0	%100
112	M112	Z	-1.474	-1.474	0	%100
113	M119	X	-2.554	-2.554	0	%100
114	M119	Z	-1.474	-1.474	0	%100
115	M120	X	-9.739	-9.739	0	%100
116	M120	Z	-5.623	-5.623	0	%100
117	M127	X	-2.319	-2.319	0	%100
118	M127	Z	-1.339	-1.339	0	%100
119	M128	X	-2.319	-2.319	0	%100
120	M128	Z	-1.339	-1.339	0	%100
121	M128A	X	-7	-7	0	%100
122	M128A	Z	-4.042	-4.042	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	-4.467	-4.467	0	%100
2	M1	Z	-7.737	-7.737	0	%100
3	M2	X	-3.031	-3.031	0	%100
4	M2	Z	-5.25	-5.25	0	%100
5	MP5A	X	-4.042	-4.042	0	%100
6	MP5A	Z	-7	-7	0	%100
7	MP4A	X	-4.042	-4.042	0	%100
8	MP4A	Z	-7	-7	0	%100
9	MP3A	X	-4.042	-4.042	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,%]
10	MP3A	Z	-7	-7	0	%100
11	MP2A	X	-4.042	-4.042	0	%100
12	MP2A	Z	-7	-7	0	%100
13	MP1A	X	-4.042	-4.042	0	%100
14	MP1A	Z	-7	-7	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	0	0	0	%100
19	MP5C	X	-4.042	-4.042	0	%100
20	MP5C	Z	-7	-7	0	%100
21	MP4C	X	-4.042	-4.042	0	%100
22	MP4C	Z	-7	-7	0	%100
23	MP3C	X	-4.042	-4.042	0	%100
24	MP3C	Z	-7	-7	0	%100
25	MP2C	X	-4.042	-4.042	0	%100
26	MP2C	Z	-7	-7	0	%100
27	MP1C	X	-4.042	-4.042	0	%100
28	MP1C	Z	-7	-7	0	%100
29	M35	X	-4.467	-4.467	0	%100
30	M35	Z	-7.737	-7.737	0	%100
31	M36	X	-3.031	-3.031	0	%100
32	M36	Z	-5.25	-5.25	0	%100
33	MP5B	X	-4.042	-4.042	0	%100
34	MP5B	Z	-7	-7	0	%100
35	MP4B	X	-4.042	-4.042	0	%100
36	MP4B	Z	-7	-7	0	%100
37	MP3B	X	-4.042	-4.042	0	%100
38	MP3B	Z	-7	-7	0	%100
39	MP2B	X	-4.042	-4.042	0	%100
40	MP2B	Z	-7	-7	0	%100
41	MP1B	X	-4.042	-4.042	0	%100
42	MP1B	Z	-7	-7	0	%100
43	M52	X	0	0	0	%100
44	M52	Z	0	0	0	%100
45	M53	X	-3.418	-3.418	0	%100
46	M53	Z	-5.92	-5.92	0	%100
47	M54	X	-3.418	-3.418	0	%100
48	M54	Z	-5.92	-5.92	0	%100
49	M58	X	-1.512	-1.512	0	%100
50	M58	Z	-2.62	-2.62	0	%100
51	M59	X	-6.05	-6.05	0	%100
52	M59	Z	-10.478	-10.478	0	%100
53	M60	X	-1.512	-1.512	0	%100
54	M60	Z	-2.62	-2.62	0	%100
55	M63	X	-7.8	-7.8	0	%100
56	M63	Z	-13.51	-13.51	0	%100
57	M64	X	-7.8	-7.8	0	%100
58	M64	Z	-13.51	-13.51	0	%100
59	M81	X	0	0	0	%100
60	M81	Z	0	0	0	%100
61	M82	X	0	0	0	%100
62	M82	Z	0	0	0	%100
63	M85	X	-7.8	-7.8	0	%100
64	M85	Z	-13.51	-13.51	0	%100
65	M86	X	-7.8	-7.8	0	%100
66	M86	Z	-13.51	-13.51	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,%]
67	M91	X	-2.748	-2.748	0	%100
68	M91	Z	-4.759	-4.759	0	%100
69	M92	X	-2.748	-2.748	0	%100
70	M92	Z	-4.759	-4.759	0	%100
71	M80A	X	-3.837	-3.837	0	%100
72	M80A	Z	-6.646	-6.646	0	%100
73	M80B	X	-3.837	-3.837	0	%100
74	M80B	Z	-6.646	-6.646	0	%100
75	M79A	X	-10.991	-10.991	0	%100
76	M79A	Z	-19.037	-19.037	0	%100
77	M80C	X	-10.991	-10.991	0	%100
78	M80C	Z	-19.037	-19.037	0	%100
79	M81B	X	0	0	0	%100
80	M81B	Z	0	0	0	%100
81	M82B	X	0	0	0	%100
82	M82B	Z	0	0	0	%100
83	M85A	X	-2.748	-2.748	0	%100
84	M85A	Z	-4.759	-4.759	0	%100
85	M86A	X	-2.748	-2.748	0	%100
86	M86A	Z	-4.759	-4.759	0	%100
87	M87	X	-3.837	-3.837	0	%100
88	M87	Z	-6.646	-6.646	0	%100
89	M88	X	-3.837	-3.837	0	%100
90	M88	Z	-6.646	-6.646	0	%100
91	M93	X	-9.288	-9.288	0	%100
92	M93	Z	-16.087	-16.087	0	%100
93	M91A	X	-3.918	-3.918	0	%100
94	M91A	Z	-6.786	-6.786	0	%100
95	M93A	X	-1.399	-1.399	0	%100
96	M93A	Z	-2.423	-2.423	0	%100
97	M95	X	-1.399	-1.399	0	%100
98	M95	Z	-2.423	-2.423	0	%100
99	M97	X	-3.918	-3.918	0	%100
100	M97	Z	-6.786	-6.786	0	%100
101	M99	X	-9.288	-9.288	0	%100
102	M99	Z	-16.087	-16.087	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	0	0	0	%100
105	M105	X	-7.658	-7.658	0	%100
106	M105	Z	-13.264	-13.264	0	%100
107	M106	X	-7.658	-7.658	0	%100
108	M106	Z	-13.264	-13.264	0	%100
109	M111	X	-4.15	-4.15	0	%100
110	M111	Z	-7.188	-7.188	0	%100
111	M112	X	-.001	-.001	0	%100
112	M112	Z	-.002	-.002	0	%100
113	M119	X	-4.285	-4.285	0	%100
114	M119	Z	-7.422	-7.422	0	%100
115	M120	X	-4.285	-4.285	0	%100
116	M120	Z	-7.422	-7.422	0	%100
117	M127	X	-.001	-.001	0	%100
118	M127	Z	-.002	-.002	0	%100
119	M128	X	-4.15	-4.15	0	%100
120	M128	Z	-7.188	-7.188	0	%100
121	M128A	X	-4.042	-4.042	0	%100
122	M128A	Z	-7	-7	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-3.498	-3.498	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-2.822	-2.822	0	%100
5	MP5A	X	0	0	0	%100
6	MP5A	Z	-2.822	-2.822	0	%100
7	MP4A	X	0	0	0	%100
8	MP4A	Z	-2.822	-2.822	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	-2.822	-2.822	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-2.822	-2.822	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-2.822	-2.822	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	-.875	-.875	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	-.706	-.706	0	%100
19	MP5C	X	0	0	0	%100
20	MP5C	Z	-2.822	-2.822	0	%100
21	MP4C	X	0	0	0	%100
22	MP4C	Z	-2.822	-2.822	0	%100
23	MP3C	X	0	0	0	%100
24	MP3C	Z	-2.822	-2.822	0	%100
25	MP2C	X	0	0	0	%100
26	MP2C	Z	-2.822	-2.822	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	-2.822	-2.822	0	%100
29	M35	X	0	0	0	%100
30	M35	Z	-.875	-.875	0	%100
31	M36	X	0	0	0	%100
32	M36	Z	-.706	-.706	0	%100
33	MP5B	X	0	0	0	%100
34	MP5B	Z	-2.822	-2.822	0	%100
35	MP4B	X	0	0	0	%100
36	MP4B	Z	-2.822	-2.822	0	%100
37	MP3B	X	0	0	0	%100
38	MP3B	Z	-2.822	-2.822	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	-2.822	-2.822	0	%100
41	MP1B	X	0	0	0	%100
42	MP1B	Z	-2.822	-2.822	0	%100
43	M52	X	0	0	0	%100
44	M52	Z	-.62	-.62	0	%100
45	M53	X	0	0	0	%100
46	M53	Z	-.62	-.62	0	%100
47	M54	X	0	0	0	%100
48	M54	Z	-2.482	-2.482	0	%100
49	M58	X	0	0	0	%100
50	M58	Z	0	0	0	%100
51	M59	X	0	0	0	%100
52	M59	Z	-2.649	-2.649	0	%100
53	M60	X	0	0	0	%100
54	M60	Z	-2.649	-2.649	0	%100
55	M63	X	0	0	0	%100
56	M63	Z	-4.486	-4.486	0	%100
57	M64	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,%]
58	M64	Z	-4.486	-4.486	0	%100
59	M81	X	0	0	0	%100
60	M81	Z	-1.121	-1.121	0	%100
61	M82	X	0	0	0	%100
62	M82	Z	-1.121	-1.121	0	%100
63	M85	X	0	0	0	%100
64	M85	Z	-1.121	-1.121	0	%100
65	M86	X	0	0	0	%100
66	M86	Z	-1.121	-1.121	0	%100
67	M91	X	0	0	0	%100
68	M91	Z	0	0	0	%100
69	M92	X	0	0	0	%100
70	M92	Z	0	0	0	%100
71	M80A	X	0	0	0	%100
72	M80A	Z	-2.872	-2.872	0	%100
73	M80B	X	0	0	0	%100
74	M80B	Z	-2.872	-2.872	0	%100
75	M79A	X	0	0	0	%100
76	M79A	Z	-3.521	-3.521	0	%100
77	M80C	X	0	0	0	%100
78	M80C	Z	-3.521	-3.521	0	%100
79	M81B	X	0	0	0	%100
80	M81B	Z	-.718	-.718	0	%100
81	M82B	X	0	0	0	%100
82	M82B	Z	-.718	-.718	0	%100
83	M85A	X	0	0	0	%100
84	M85A	Z	-3.521	-3.521	0	%100
85	M86A	X	0	0	0	%100
86	M86A	Z	-3.521	-3.521	0	%100
87	M87	X	0	0	0	%100
88	M87	Z	-.718	-.718	0	%100
89	M88	X	0	0	0	%100
90	M88	Z	-.718	-.718	0	%100
91	M93	X	0	0	0	%100
92	M93	Z	-4.212	-4.212	0	%100
93	M91A	X	0	0	0	%100
94	M91A	Z	-3.814	-3.814	0	%100
95	M93A	X	0	0	0	%100
96	M93A	Z	-2.723	-2.723	0	%100
97	M95	X	0	0	0	%100
98	M95	Z	-.092	-.092	0	%100
99	M97	X	0	0	0	%100
100	M97	Z	-.092	-.092	0	%100
101	M99	X	0	0	0	%100
102	M99	Z	-2.017	-2.017	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	-1.12	-1.12	0	%100
105	M105	X	0	0	0	%100
106	M105	Z	-1.12	-1.12	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	-4.48	-4.48	0	%100
109	M111	X	0	0	0	%100
110	M111	Z	-.781	-.781	0	%100
111	M112	X	0	0	0	%100
112	M112	Z	-.781	-.781	0	%100
113	M119	X	0	0	0	%100
114	M119	Z	-3.279	-3.279	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,%]
115	M120	X	0	0	0	%100
116	M120	Z	-.86	-.86	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	-.86	-.86	0	%100
119	M128	X	0	0	0	%100
120	M128	Z	-3.279	-3.279	0	%100
121	M128A	X	0	0	0	%100
122	M128A	Z	-2.822	-2.822	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,%]
1	M1	X	1.312	1.312	0	%100
2	M1	Z	-2.272	-2.272	0	%100
3	M2	X	1.058	1.058	0	%100
4	M2	Z	-1.833	-1.833	0	%100
5	MP5A	X	1.411	1.411	0	%100
6	MP5A	Z	-2.444	-2.444	0	%100
7	MP4A	X	1.411	1.411	0	%100
8	MP4A	Z	-2.444	-2.444	0	%100
9	MP3A	X	1.411	1.411	0	%100
10	MP3A	Z	-2.444	-2.444	0	%100
11	MP2A	X	1.411	1.411	0	%100
12	MP2A	Z	-2.444	-2.444	0	%100
13	MP1A	X	1.411	1.411	0	%100
14	MP1A	Z	-2.444	-2.444	0	%100
15	M18	X	1.312	1.312	0	%100
16	M18	Z	-2.272	-2.272	0	%100
17	M19	X	1.058	1.058	0	%100
18	M19	Z	-1.833	-1.833	0	%100
19	MP5C	X	1.411	1.411	0	%100
20	MP5C	Z	-2.444	-2.444	0	%100
21	MP4C	X	1.411	1.411	0	%100
22	MP4C	Z	-2.444	-2.444	0	%100
23	MP3C	X	1.411	1.411	0	%100
24	MP3C	Z	-2.444	-2.444	0	%100
25	MP2C	X	1.411	1.411	0	%100
26	MP2C	Z	-2.444	-2.444	0	%100
27	MP1C	X	1.411	1.411	0	%100
28	MP1C	Z	-2.444	-2.444	0	%100
29	M35	X	0	0	0	%100
30	M35	Z	0	0	0	%100
31	M36	X	0	0	0	%100
32	M36	Z	0	0	0	%100
33	MP5B	X	1.411	1.411	0	%100
34	MP5B	Z	-2.444	-2.444	0	%100
35	MP4B	X	1.411	1.411	0	%100
36	MP4B	Z	-2.444	-2.444	0	%100
37	MP3B	X	1.411	1.411	0	%100
38	MP3B	Z	-2.444	-2.444	0	%100
39	MP2B	X	1.411	1.411	0	%100
40	MP2B	Z	-2.444	-2.444	0	%100
41	MP1B	X	1.411	1.411	0	%100
42	MP1B	Z	-2.444	-2.444	0	%100
43	M52	X	.931	.931	0	%100
44	M52	Z	-1.612	-1.612	0	%100
45	M53	X	0	0	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,%]
46	M53	Z	0	0	0	%100
47	M54	X	.931	.931	0	%100
48	M54	Z	-1.612	-1.612	0	%100
49	M58	X	.441	.441	0	%100
50	M58	Z	-.765	-.765	0	%100
51	M59	X	.441	.441	0	%100
52	M59	Z	-.765	-.765	0	%100
53	M60	X	1.766	1.766	0	%100
54	M60	Z	-3.058	-3.058	0	%100
55	M63	X	1.682	1.682	0	%100
56	M63	Z	-2.914	-2.914	0	%100
57	M64	X	1.682	1.682	0	%100
58	M64	Z	-2.914	-2.914	0	%100
59	M81	X	1.682	1.682	0	%100
60	M81	Z	-2.914	-2.914	0	%100
61	M82	X	1.682	1.682	0	%100
62	M82	Z	-2.914	-2.914	0	%100
63	M85	X	0	0	0	%100
64	M85	Z	0	0	0	%100
65	M86	X	0	0	0	%100
66	M86	Z	0	0	0	%100
67	M91	X	.587	.587	0	%100
68	M91	Z	-1.016	-1.016	0	%100
69	M92	X	.587	.587	0	%100
70	M92	Z	-1.016	-1.016	0	%100
71	M80A	X	1.077	1.077	0	%100
72	M80A	Z	-1.865	-1.865	0	%100
73	M80B	X	1.077	1.077	0	%100
74	M80B	Z	-1.865	-1.865	0	%100
75	M79A	X	.587	.587	0	%100
76	M79A	Z	-1.016	-1.016	0	%100
77	M80C	X	.587	.587	0	%100
78	M80C	Z	-1.016	-1.016	0	%100
79	M81B	X	1.077	1.077	0	%100
80	M81B	Z	-1.865	-1.865	0	%100
81	M82B	X	1.077	1.077	0	%100
82	M82B	Z	-1.865	-1.865	0	%100
83	M85A	X	2.347	2.347	0	%100
84	M85A	Z	-4.066	-4.066	0	%100
85	M86A	X	2.347	2.347	0	%100
86	M86A	Z	-4.066	-4.066	0	%100
87	M87	X	0	0	0	%100
88	M87	Z	0	0	0	%100
89	M88	X	0	0	0	%100
90	M88	Z	0	0	0	%100
91	M93	X	1.201	1.201	0	%100
92	M93	Z	-2.08	-2.08	0	%100
93	M91A	X	2.164	2.164	0	%100
94	M91A	Z	-3.748	-3.748	0	%100
95	M93A	X	2.164	2.164	0	%100
96	M93A	Z	-3.748	-3.748	0	%100
97	M95	X	.848	.848	0	%100
98	M95	Z	-1.469	-1.469	0	%100
99	M97	X	.303	.303	0	%100
100	M97	Z	-.524	-.524	0	%100
101	M99	X	.104	.104	0	%100
102	M99	Z	-.179	-.179	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,%]
103	M104	X	1.68	1.68	0	%100
104	M104	Z	-2.91	-2.91	0	%100
105	M105	X	0	0	0	%100
106	M105	Z	0	0	0	%100
107	M106	X	1.68	1.68	0	%100
108	M106	Z	-2.91	-2.91	0	%100
109	M111	X	.000318	.000318	0	%100
110	M111	Z	-.000551	-.000551	0	%100
111	M112	X	1.21	1.21	0	%100
112	M112	Z	-2.096	-2.096	0	%100
113	M119	X	1.21	1.21	0	%100
114	M119	Z	-2.096	-2.096	0	%100
115	M120	X	.000318	.000318	0	%100
116	M120	Z	-.000551	-.000551	0	%100
117	M127	X	1.25	1.25	0	%100
118	M127	Z	-2.164	-2.164	0	%100
119	M128	X	1.25	1.25	0	%100
120	M128	Z	-2.164	-2.164	0	%100
121	M128A	X	1.411	1.411	0	%100
122	M128A	Z	-2.444	-2.444	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	.757	.757	0	%100
2	M1	Z	-.437	-.437	0	%100
3	M2	X	.611	.611	0	%100
4	M2	Z	-.353	-.353	0	%100
5	MP5A	X	2.444	2.444	0	%100
6	MP5A	Z	-1.411	-1.411	0	%100
7	MP4A	X	2.444	2.444	0	%100
8	MP4A	Z	-1.411	-1.411	0	%100
9	MP3A	X	2.444	2.444	0	%100
10	MP3A	Z	-1.411	-1.411	0	%100
11	MP2A	X	2.444	2.444	0	%100
12	MP2A	Z	-1.411	-1.411	0	%100
13	MP1A	X	2.444	2.444	0	%100
14	MP1A	Z	-1.411	-1.411	0	%100
15	M18	X	3.03	3.03	0	%100
16	M18	Z	-1.749	-1.749	0	%100
17	M19	X	2.444	2.444	0	%100
18	M19	Z	-1.411	-1.411	0	%100
19	MP5C	X	2.444	2.444	0	%100
20	MP5C	Z	-1.411	-1.411	0	%100
21	MP4C	X	2.444	2.444	0	%100
22	MP4C	Z	-1.411	-1.411	0	%100
23	MP3C	X	2.444	2.444	0	%100
24	MP3C	Z	-1.411	-1.411	0	%100
25	MP2C	X	2.444	2.444	0	%100
26	MP2C	Z	-1.411	-1.411	0	%100
27	MP1C	X	2.444	2.444	0	%100
28	MP1C	Z	-1.411	-1.411	0	%100
29	M35	X	.757	.757	0	%100
30	M35	Z	-.437	-.437	0	%100
31	M36	X	.611	.611	0	%100
32	M36	Z	-.353	-.353	0	%100
33	MP5B	X	2.444	2.444	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,%]
34	MP5B	Z	-1.411	-1.411	0	%100
35	MP4B	X	2.444	2.444	0	%100
36	MP4B	Z	-1.411	-1.411	0	%100
37	MP3B	X	2.444	2.444	0	%100
38	MP3B	Z	-1.411	-1.411	0	%100
39	MP2B	X	2.444	2.444	0	%100
40	MP2B	Z	-1.411	-1.411	0	%100
41	MP1B	X	2.444	2.444	0	%100
42	MP1B	Z	-1.411	-1.411	0	%100
43	M52	X	2.149	2.149	0	%100
44	M52	Z	-1.241	-1.241	0	%100
45	M53	X	.537	.537	0	%100
46	M53	Z	-.31	-.31	0	%100
47	M54	X	.537	.537	0	%100
48	M54	Z	-.31	-.31	0	%100
49	M58	X	2.294	2.294	0	%100
50	M58	Z	-1.324	-1.324	0	%100
51	M59	X	0	0	0	%100
52	M59	Z	0	0	0	%100
53	M60	X	2.294	2.294	0	%100
54	M60	Z	-1.324	-1.324	0	%100
55	M63	X	.971	.971	0	%100
56	M63	Z	-.561	-.561	0	%100
57	M64	X	.971	.971	0	%100
58	M64	Z	-.561	-.561	0	%100
59	M81	X	3.885	3.885	0	%100
60	M81	Z	-2.243	-2.243	0	%100
61	M82	X	3.885	3.885	0	%100
62	M82	Z	-2.243	-2.243	0	%100
63	M85	X	.971	.971	0	%100
64	M85	Z	-.561	-.561	0	%100
65	M86	X	.971	.971	0	%100
66	M86	Z	-.561	-.561	0	%100
67	M91	X	3.049	3.049	0	%100
68	M91	Z	-1.761	-1.761	0	%100
69	M92	X	3.049	3.049	0	%100
70	M92	Z	-1.761	-1.761	0	%100
71	M80A	X	.622	.622	0	%100
72	M80A	Z	-.359	-.359	0	%100
73	M80B	X	.622	.622	0	%100
74	M80B	Z	-.359	-.359	0	%100
75	M79A	X	0	0	0	%100
76	M79A	Z	0	0	0	%100
77	M80C	X	0	0	0	%100
78	M80C	Z	0	0	0	%100
79	M81B	X	2.487	2.487	0	%100
80	M81B	Z	-1.436	-1.436	0	%100
81	M82B	X	2.487	2.487	0	%100
82	M82B	Z	-1.436	-1.436	0	%100
83	M85A	X	3.049	3.049	0	%100
84	M85A	Z	-1.761	-1.761	0	%100
85	M86A	X	3.049	3.049	0	%100
86	M86A	Z	-1.761	-1.761	0	%100
87	M87	X	.622	.622	0	%100
88	M87	Z	-.359	-.359	0	%100
89	M88	X	.622	.622	0	%100
90	M88	Z	-.359	-.359	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,%]
91	M93	X	.346	.346	0	%100
92	M93	Z	-.2	-.2	0	%100
93	M91A	X	2.359	2.359	0	%100
94	M91A	Z	-1.362	-1.362	0	%100
95	M93A	X	3.303	3.303	0	%100
96	M93A	Z	-1.907	-1.907	0	%100
97	M95	X	3.303	3.303	0	%100
98	M95	Z	-1.907	-1.907	0	%100
99	M97	X	2.359	2.359	0	%100
100	M97	Z	-1.362	-1.362	0	%100
101	M99	X	.346	.346	0	%100
102	M99	Z	-.2	-.2	0	%100
103	M104	X	3.88	3.88	0	%100
104	M104	Z	-2.24	-2.24	0	%100
105	M105	X	.97	.97	0	%100
106	M105	Z	-.56	-.56	0	%100
107	M106	X	.97	.97	0	%100
108	M106	Z	-.56	-.56	0	%100
109	M111	X	.745	.745	0	%100
110	M111	Z	-.43	-.43	0	%100
111	M112	X	2.84	2.84	0	%100
112	M112	Z	-1.64	-1.64	0	%100
113	M119	X	.676	.676	0	%100
114	M119	Z	-.39	-.39	0	%100
115	M120	X	.676	.676	0	%100
116	M120	Z	-.39	-.39	0	%100
117	M127	X	2.84	2.84	0	%100
118	M127	Z	-1.64	-1.64	0	%100
119	M128	X	.745	.745	0	%100
120	M128	Z	-.43	-.43	0	%100
121	M128A	X	2.444	2.444	0	%100
122	M128A	Z	-1.411	-1.411	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	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	MP5A	X	2.822	2.822	0	%100
6	MP5A	Z	0	0	0	%100
7	MP4A	X	2.822	2.822	0	%100
8	MP4A	Z	0	0	0	%100
9	MP3A	X	2.822	2.822	0	%100
10	MP3A	Z	0	0	0	%100
11	MP2A	X	2.822	2.822	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	2.822	2.822	0	%100
14	MP1A	Z	0	0	0	%100
15	M18	X	2.624	2.624	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	2.117	2.117	0	%100
18	M19	Z	0	0	0	%100
19	MP5C	X	2.822	2.822	0	%100
20	MP5C	Z	0	0	0	%100
21	MP4C	X	2.822	2.822	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,%]
22	MP4C	Z	0	0	0	%100
23	MP3C	X	2.822	2.822	0	%100
24	MP3C	Z	0	0	0	%100
25	MP2C	X	2.822	2.822	0	%100
26	MP2C	Z	0	0	0	%100
27	MP1C	X	2.822	2.822	0	%100
28	MP1C	Z	0	0	0	%100
29	M35	X	2.624	2.624	0	%100
30	M35	Z	0	0	0	%100
31	M36	X	2.117	2.117	0	%100
32	M36	Z	0	0	0	%100
33	MP5B	X	2.822	2.822	0	%100
34	MP5B	Z	0	0	0	%100
35	MP4B	X	2.822	2.822	0	%100
36	MP4B	Z	0	0	0	%100
37	MP3B	X	2.822	2.822	0	%100
38	MP3B	Z	0	0	0	%100
39	MP2B	X	2.822	2.822	0	%100
40	MP2B	Z	0	0	0	%100
41	MP1B	X	2.822	2.822	0	%100
42	MP1B	Z	0	0	0	%100
43	M52	X	1.861	1.861	0	%100
44	M52	Z	0	0	0	%100
45	M53	X	1.861	1.861	0	%100
46	M53	Z	0	0	0	%100
47	M54	X	0	0	0	%100
48	M54	Z	0	0	0	%100
49	M58	X	3.531	3.531	0	%100
50	M58	Z	0	0	0	%100
51	M59	X	.883	.883	0	%100
52	M59	Z	0	0	0	%100
53	M60	X	.883	.883	0	%100
54	M60	Z	0	0	0	%100
55	M63	X	0	0	0	%100
56	M63	Z	0	0	0	%100
57	M64	X	0	0	0	%100
58	M64	Z	0	0	0	%100
59	M81	X	3.364	3.364	0	%100
60	M81	Z	0	0	0	%100
61	M82	X	3.364	3.364	0	%100
62	M82	Z	0	0	0	%100
63	M85	X	3.364	3.364	0	%100
64	M85	Z	0	0	0	%100
65	M86	X	3.364	3.364	0	%100
66	M86	Z	0	0	0	%100
67	M91	X	4.695	4.695	0	%100
68	M91	Z	0	0	0	%100
69	M92	X	4.695	4.695	0	%100
70	M92	Z	0	0	0	%100
71	M80A	X	0	0	0	%100
72	M80A	Z	0	0	0	%100
73	M80B	X	0	0	0	%100
74	M80B	Z	0	0	0	%100
75	M79A	X	1.174	1.174	0	%100
76	M79A	Z	0	0	0	%100
77	M80C	X	1.174	1.174	0	%100
78	M80C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
79	M81B	X	2.154	2.154	0	%100
80	M81B	Z	0	0	0	%100
81	M82B	X	2.154	2.154	0	%100
82	M82B	Z	0	0	0	%100
83	M85A	X	1.174	1.174	0	%100
84	M85A	Z	0	0	0	%100
85	M86A	X	1.174	1.174	0	%100
86	M86A	Z	0	0	0	%100
87	M87	X	2.154	2.154	0	%100
88	M87	Z	0	0	0	%100
89	M88	X	2.154	2.154	0	%100
90	M88	Z	0	0	0	%100
91	M93	X	.207	.207	0	%100
92	M93	Z	0	0	0	%100
93	M91A	X	.605	.605	0	%100
94	M91A	Z	0	0	0	%100
95	M93A	X	1.696	1.696	0	%100
96	M93A	Z	0	0	0	%100
97	M95	X	4.328	4.328	0	%100
98	M95	Z	0	0	0	%100
99	M97	X	4.328	4.328	0	%100
100	M97	Z	0	0	0	%100
101	M99	X	2.402	2.402	0	%100
102	M99	Z	0	0	0	%100
103	M104	X	3.36	3.36	0	%100
104	M104	Z	0	0	0	%100
105	M105	X	3.36	3.36	0	%100
106	M105	Z	0	0	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	0	0	0	%100
109	M111	X	2.499	2.499	0	%100
110	M111	Z	0	0	0	%100
111	M112	X	2.499	2.499	0	%100
112	M112	Z	0	0	0	%100
113	M119	X	.000636	.000636	0	%100
114	M119	Z	0	0	0	%100
115	M120	X	2.42	2.42	0	%100
116	M120	Z	0	0	0	%100
117	M127	X	2.42	2.42	0	%100
118	M127	Z	0	0	0	%100
119	M128	X	.000636	.000636	0	%100
120	M128	Z	0	0	0	%100
121	M128A	X	2.822	2.822	0	%100
122	M128A	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	.757	.757	0	%100
2	M1	Z	.437	.437	0	%100
3	M2	X	.611	.611	0	%100
4	M2	Z	.353	.353	0	%100
5	MP5A	X	2.444	2.444	0	%100
6	MP5A	Z	1.411	1.411	0	%100
7	MP4A	X	2.444	2.444	0	%100
8	MP4A	Z	1.411	1.411	0	%100
9	MP3A	X	2.444	2.444	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,%]
10	MP3A	Z	1.411	1.411	0	%100
11	MP2A	X	2.444	2.444	0	%100
12	MP2A	Z	1.411	1.411	0	%100
13	MP1A	X	2.444	2.444	0	%100
14	MP1A	Z	1.411	1.411	0	%100
15	M18	X	.757	.757	0	%100
16	M18	Z	.437	.437	0	%100
17	M19	X	.611	.611	0	%100
18	M19	Z	.353	.353	0	%100
19	MP5C	X	2.444	2.444	0	%100
20	MP5C	Z	1.411	1.411	0	%100
21	MP4C	X	2.444	2.444	0	%100
22	MP4C	Z	1.411	1.411	0	%100
23	MP3C	X	2.444	2.444	0	%100
24	MP3C	Z	1.411	1.411	0	%100
25	MP2C	X	2.444	2.444	0	%100
26	MP2C	Z	1.411	1.411	0	%100
27	MP1C	X	2.444	2.444	0	%100
28	MP1C	Z	1.411	1.411	0	%100
29	M35	X	3.03	3.03	0	%100
30	M35	Z	1.749	1.749	0	%100
31	M36	X	2.444	2.444	0	%100
32	M36	Z	1.411	1.411	0	%100
33	MP5B	X	2.444	2.444	0	%100
34	MP5B	Z	1.411	1.411	0	%100
35	MP4B	X	2.444	2.444	0	%100
36	MP4B	Z	1.411	1.411	0	%100
37	MP3B	X	2.444	2.444	0	%100
38	MP3B	Z	1.411	1.411	0	%100
39	MP2B	X	2.444	2.444	0	%100
40	MP2B	Z	1.411	1.411	0	%100
41	MP1B	X	2.444	2.444	0	%100
42	MP1B	Z	1.411	1.411	0	%100
43	M52	X	.537	.537	0	%100
44	M52	Z	.31	.31	0	%100
45	M53	X	2.149	2.149	0	%100
46	M53	Z	1.241	1.241	0	%100
47	M54	X	.537	.537	0	%100
48	M54	Z	.31	.31	0	%100
49	M58	X	2.294	2.294	0	%100
50	M58	Z	1.324	1.324	0	%100
51	M59	X	2.294	2.294	0	%100
52	M59	Z	1.324	1.324	0	%100
53	M60	X	0	0	0	%100
54	M60	Z	0	0	0	%100
55	M63	X	.971	.971	0	%100
56	M63	Z	.561	.561	0	%100
57	M64	X	.971	.971	0	%100
58	M64	Z	.561	.561	0	%100
59	M81	X	.971	.971	0	%100
60	M81	Z	.561	.561	0	%100
61	M82	X	.971	.971	0	%100
62	M82	Z	.561	.561	0	%100
63	M85	X	3.885	3.885	0	%100
64	M85	Z	2.243	2.243	0	%100
65	M86	X	3.885	3.885	0	%100
66	M86	Z	2.243	2.243	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,%]
67	M91	X	3.049	3.049	0	%100
68	M91	Z	1.761	1.761	0	%100
69	M92	X	3.049	3.049	0	%100
70	M92	Z	1.761	1.761	0	%100
71	M80A	X	.622	.622	0	%100
72	M80A	Z	.359	.359	0	%100
73	M80B	X	.622	.622	0	%100
74	M80B	Z	.359	.359	0	%100
75	M79A	X	3.049	3.049	0	%100
76	M79A	Z	1.761	1.761	0	%100
77	M80C	X	3.049	3.049	0	%100
78	M80C	Z	1.761	1.761	0	%100
79	M81B	X	.622	.622	0	%100
80	M81B	Z	.359	.359	0	%100
81	M82B	X	.622	.622	0	%100
82	M82B	Z	.359	.359	0	%100
83	M85A	X	0	0	0	%100
84	M85A	Z	0	0	0	%100
85	M86A	X	0	0	0	%100
86	M86A	Z	0	0	0	%100
87	M87	X	2.487	2.487	0	%100
88	M87	Z	1.436	1.436	0	%100
89	M88	X	2.487	2.487	0	%100
90	M88	Z	1.436	1.436	0	%100
91	M93	X	1.747	1.747	0	%100
92	M93	Z	1.009	1.009	0	%100
93	M91A	X	.079	.079	0	%100
94	M91A	Z	.046	.046	0	%100
95	M93A	X	.079	.079	0	%100
96	M93A	Z	.046	.046	0	%100
97	M95	X	2.359	2.359	0	%100
98	M95	Z	1.362	1.362	0	%100
99	M97	X	3.303	3.303	0	%100
100	M97	Z	1.907	1.907	0	%100
101	M99	X	3.648	3.648	0	%100
102	M99	Z	2.106	2.106	0	%100
103	M104	X	.97	.97	0	%100
104	M104	Z	.56	.56	0	%100
105	M105	X	3.88	3.88	0	%100
106	M105	Z	2.24	2.24	0	%100
107	M106	X	.97	.97	0	%100
108	M106	Z	.56	.56	0	%100
109	M111	X	2.84	2.84	0	%100
110	M111	Z	1.64	1.64	0	%100
111	M112	X	.745	.745	0	%100
112	M112	Z	.43	.43	0	%100
113	M119	X	.745	.745	0	%100
114	M119	Z	.43	.43	0	%100
115	M120	X	2.84	2.84	0	%100
116	M120	Z	1.64	1.64	0	%100
117	M127	X	.676	.676	0	%100
118	M127	Z	.39	.39	0	%100
119	M128	X	.676	.676	0	%100
120	M128	Z	.39	.39	0	%100
121	M128A	X	2.444	2.444	0	%100
122	M128A	Z	1.411	1.411	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	1.312	1.312	0	%100
2	M1	Z	2.272	2.272	0	%100
3	M2	X	1.058	1.058	0	%100
4	M2	Z	1.833	1.833	0	%100
5	MP5A	X	1.411	1.411	0	%100
6	MP5A	Z	2.444	2.444	0	%100
7	MP4A	X	1.411	1.411	0	%100
8	MP4A	Z	2.444	2.444	0	%100
9	MP3A	X	1.411	1.411	0	%100
10	MP3A	Z	2.444	2.444	0	%100
11	MP2A	X	1.411	1.411	0	%100
12	MP2A	Z	2.444	2.444	0	%100
13	MP1A	X	1.411	1.411	0	%100
14	MP1A	Z	2.444	2.444	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	0	0	0	%100
19	MP5C	X	1.411	1.411	0	%100
20	MP5C	Z	2.444	2.444	0	%100
21	MP4C	X	1.411	1.411	0	%100
22	MP4C	Z	2.444	2.444	0	%100
23	MP3C	X	1.411	1.411	0	%100
24	MP3C	Z	2.444	2.444	0	%100
25	MP2C	X	1.411	1.411	0	%100
26	MP2C	Z	2.444	2.444	0	%100
27	MP1C	X	1.411	1.411	0	%100
28	MP1C	Z	2.444	2.444	0	%100
29	M35	X	1.312	1.312	0	%100
30	M35	Z	2.272	2.272	0	%100
31	M36	X	1.058	1.058	0	%100
32	M36	Z	1.833	1.833	0	%100
33	MP5B	X	1.411	1.411	0	%100
34	MP5B	Z	2.444	2.444	0	%100
35	MP4B	X	1.411	1.411	0	%100
36	MP4B	Z	2.444	2.444	0	%100
37	MP3B	X	1.411	1.411	0	%100
38	MP3B	Z	2.444	2.444	0	%100
39	MP2B	X	1.411	1.411	0	%100
40	MP2B	Z	2.444	2.444	0	%100
41	MP1B	X	1.411	1.411	0	%100
42	MP1B	Z	2.444	2.444	0	%100
43	M52	X	0	0	0	%100
44	M52	Z	0	0	0	%100
45	M53	X	.931	.931	0	%100
46	M53	Z	1.612	1.612	0	%100
47	M54	X	.931	.931	0	%100
48	M54	Z	1.612	1.612	0	%100
49	M58	X	.441	.441	0	%100
50	M58	Z	.765	.765	0	%100
51	M59	X	1.766	1.766	0	%100
52	M59	Z	3.058	3.058	0	%100
53	M60	X	.441	.441	0	%100
54	M60	Z	.765	.765	0	%100
55	M63	X	1.682	1.682	0	%100
56	M63	Z	2.914	2.914	0	%100
57	M64	X	1.682	1.682	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	M64	Z	2.914	2.914	0	%100
59	M81	X	0	0	0	%100
60	M81	Z	0	0	0	%100
61	M82	X	0	0	0	%100
62	M82	Z	0	0	0	%100
63	M85	X	1.682	1.682	0	%100
64	M85	Z	2.914	2.914	0	%100
65	M86	X	1.682	1.682	0	%100
66	M86	Z	2.914	2.914	0	%100
67	M91	X	.587	.587	0	%100
68	M91	Z	1.016	1.016	0	%100
69	M92	X	.587	.587	0	%100
70	M92	Z	1.016	1.016	0	%100
71	M80A	X	1.077	1.077	0	%100
72	M80A	Z	1.865	1.865	0	%100
73	M80B	X	1.077	1.077	0	%100
74	M80B	Z	1.865	1.865	0	%100
75	M79A	X	2.347	2.347	0	%100
76	M79A	Z	4.066	4.066	0	%100
77	M80C	X	2.347	2.347	0	%100
78	M80C	Z	4.066	4.066	0	%100
79	M81B	X	0	0	0	%100
80	M81B	Z	0	0	0	%100
81	M82B	X	0	0	0	%100
82	M82B	Z	0	0	0	%100
83	M85A	X	.587	.587	0	%100
84	M85A	Z	1.016	1.016	0	%100
85	M86A	X	.587	.587	0	%100
86	M86A	Z	1.016	1.016	0	%100
87	M87	X	1.077	1.077	0	%100
88	M87	Z	1.865	1.865	0	%100
89	M88	X	1.077	1.077	0	%100
90	M88	Z	1.865	1.865	0	%100
91	M93	X	2.01	2.01	0	%100
92	M93	Z	3.481	3.481	0	%100
93	M91A	X	.848	.848	0	%100
94	M91A	Z	1.469	1.469	0	%100
95	M93A	X	.303	.303	0	%100
96	M93A	Z	.524	.524	0	%100
97	M95	X	.303	.303	0	%100
98	M95	Z	.524	.524	0	%100
99	M97	X	.848	.848	0	%100
100	M97	Z	1.469	1.469	0	%100
101	M99	X	2.01	2.01	0	%100
102	M99	Z	3.481	3.481	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	0	0	0	%100
105	M105	X	1.68	1.68	0	%100
106	M105	Z	2.91	2.91	0	%100
107	M106	X	1.68	1.68	0	%100
108	M106	Z	2.91	2.91	0	%100
109	M111	X	1.21	1.21	0	%100
110	M111	Z	2.096	2.096	0	%100
111	M112	X	.000318	.000318	0	%100
112	M112	Z	.000551	.000551	0	%100
113	M119	X	1.25	1.25	0	%100
114	M119	Z	2.164	2.164	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,%]
115	M120	X	1.25	1.25	0	%100
116	M120	Z	2.164	2.164	0	%100
117	M127	X	.000318	.000318	0	%100
118	M127	Z	.000551	.000551	0	%100
119	M128	X	1.21	1.21	0	%100
120	M128	Z	2.096	2.096	0	%100
121	M128A	X	1.411	1.411	0	%100
122	M128A	Z	2.444	2.444	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	3.498	3.498	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	2.822	2.822	0	%100
5	MP5A	X	0	0	0	%100
6	MP5A	Z	2.822	2.822	0	%100
7	MP4A	X	0	0	0	%100
8	MP4A	Z	2.822	2.822	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	2.822	2.822	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	2.822	2.822	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	2.822	2.822	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	.875	.875	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	.706	.706	0	%100
19	MP5C	X	0	0	0	%100
20	MP5C	Z	2.822	2.822	0	%100
21	MP4C	X	0	0	0	%100
22	MP4C	Z	2.822	2.822	0	%100
23	MP3C	X	0	0	0	%100
24	MP3C	Z	2.822	2.822	0	%100
25	MP2C	X	0	0	0	%100
26	MP2C	Z	2.822	2.822	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	2.822	2.822	0	%100
29	M35	X	0	0	0	%100
30	M35	Z	.875	.875	0	%100
31	M36	X	0	0	0	%100
32	M36	Z	.706	.706	0	%100
33	MP5B	X	0	0	0	%100
34	MP5B	Z	2.822	2.822	0	%100
35	MP4B	X	0	0	0	%100
36	MP4B	Z	2.822	2.822	0	%100
37	MP3B	X	0	0	0	%100
38	MP3B	Z	2.822	2.822	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	2.822	2.822	0	%100
41	MP1B	X	0	0	0	%100
42	MP1B	Z	2.822	2.822	0	%100
43	M52	X	0	0	0	%100
44	M52	Z	.62	.62	0	%100
45	M53	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,%]
46	M53	Z	.62	.62	0	%100
47	M54	X	0	0	0	%100
48	M54	Z	2.482	2.482	0	%100
49	M58	X	0	0	0	%100
50	M58	Z	0	0	0	%100
51	M59	X	0	0	0	%100
52	M59	Z	2.649	2.649	0	%100
53	M60	X	0	0	0	%100
54	M60	Z	2.649	2.649	0	%100
55	M63	X	0	0	0	%100
56	M63	Z	4.486	4.486	0	%100
57	M64	X	0	0	0	%100
58	M64	Z	4.486	4.486	0	%100
59	M81	X	0	0	0	%100
60	M81	Z	1.121	1.121	0	%100
61	M82	X	0	0	0	%100
62	M82	Z	1.121	1.121	0	%100
63	M85	X	0	0	0	%100
64	M85	Z	1.121	1.121	0	%100
65	M86	X	0	0	0	%100
66	M86	Z	1.121	1.121	0	%100
67	M91	X	0	0	0	%100
68	M91	Z	0	0	0	%100
69	M92	X	0	0	0	%100
70	M92	Z	0	0	0	%100
71	M80A	X	0	0	0	%100
72	M80A	Z	2.872	2.872	0	%100
73	M80B	X	0	0	0	%100
74	M80B	Z	2.872	2.872	0	%100
75	M79A	X	0	0	0	%100
76	M79A	Z	3.521	3.521	0	%100
77	M80C	X	0	0	0	%100
78	M80C	Z	3.521	3.521	0	%100
79	M81B	X	0	0	0	%100
80	M81B	Z	.718	.718	0	%100
81	M82B	X	0	0	0	%100
82	M82B	Z	.718	.718	0	%100
83	M85A	X	0	0	0	%100
84	M85A	Z	3.521	3.521	0	%100
85	M86A	X	0	0	0	%100
86	M86A	Z	3.521	3.521	0	%100
87	M87	X	0	0	0	%100
88	M87	Z	.718	.718	0	%100
89	M88	X	0	0	0	%100
90	M88	Z	.718	.718	0	%100
91	M93	X	0	0	0	%100
92	M93	Z	4.212	4.212	0	%100
93	M91A	X	0	0	0	%100
94	M91A	Z	3.814	3.814	0	%100
95	M93A	X	0	0	0	%100
96	M93A	Z	2.723	2.723	0	%100
97	M95	X	0	0	0	%100
98	M95	Z	.092	.092	0	%100
99	M97	X	0	0	0	%100
100	M97	Z	.092	.092	0	%100
101	M99	X	0	0	0	%100
102	M99	Z	2.017	2.017	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,%]
103	M104	X	0	0	0	%100
104	M104	Z	1.12	1.12	0	%100
105	M105	X	0	0	0	%100
106	M105	Z	1.12	1.12	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	4.48	4.48	0	%100
109	M111	X	0	0	0	%100
110	M111	Z	.781	.781	0	%100
111	M112	X	0	0	0	%100
112	M112	Z	.781	.781	0	%100
113	M119	X	0	0	0	%100
114	M119	Z	3.279	3.279	0	%100
115	M120	X	0	0	0	%100
116	M120	Z	.86	.86	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	.86	.86	0	%100
119	M128	X	0	0	0	%100
120	M128	Z	3.279	3.279	0	%100
121	M128A	X	0	0	0	%100
122	M128A	Z	2.822	2.822	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.312	-1.312	0	%100
2	M1	Z	2.272	2.272	0	%100
3	M2	X	-1.058	-1.058	0	%100
4	M2	Z	1.833	1.833	0	%100
5	MP5A	X	-1.411	-1.411	0	%100
6	MP5A	Z	2.444	2.444	0	%100
7	MP4A	X	-1.411	-1.411	0	%100
8	MP4A	Z	2.444	2.444	0	%100
9	MP3A	X	-1.411	-1.411	0	%100
10	MP3A	Z	2.444	2.444	0	%100
11	MP2A	X	-1.411	-1.411	0	%100
12	MP2A	Z	2.444	2.444	0	%100
13	MP1A	X	-1.411	-1.411	0	%100
14	MP1A	Z	2.444	2.444	0	%100
15	M18	X	-1.312	-1.312	0	%100
16	M18	Z	2.272	2.272	0	%100
17	M19	X	-1.058	-1.058	0	%100
18	M19	Z	1.833	1.833	0	%100
19	MP5C	X	-1.411	-1.411	0	%100
20	MP5C	Z	2.444	2.444	0	%100
21	MP4C	X	-1.411	-1.411	0	%100
22	MP4C	Z	2.444	2.444	0	%100
23	MP3C	X	-1.411	-1.411	0	%100
24	MP3C	Z	2.444	2.444	0	%100
25	MP2C	X	-1.411	-1.411	0	%100
26	MP2C	Z	2.444	2.444	0	%100
27	MP1C	X	-1.411	-1.411	0	%100
28	MP1C	Z	2.444	2.444	0	%100
29	M35	X	0	0	0	%100
30	M35	Z	0	0	0	%100
31	M36	X	0	0	0	%100
32	M36	Z	0	0	0	%100
33	MP5B	X	-1.411	-1.411	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,%]
34	MP5B	Z	2.444	2.444	0	%100
35	MP4B	X	-1.411	-1.411	0	%100
36	MP4B	Z	2.444	2.444	0	%100
37	MP3B	X	-1.411	-1.411	0	%100
38	MP3B	Z	2.444	2.444	0	%100
39	MP2B	X	-1.411	-1.411	0	%100
40	MP2B	Z	2.444	2.444	0	%100
41	MP1B	X	-1.411	-1.411	0	%100
42	MP1B	Z	2.444	2.444	0	%100
43	M52	X	-.931	-.931	0	%100
44	M52	Z	1.612	1.612	0	%100
45	M53	X	0	0	0	%100
46	M53	Z	0	0	0	%100
47	M54	X	-.931	-.931	0	%100
48	M54	Z	1.612	1.612	0	%100
49	M58	X	-.441	-.441	0	%100
50	M58	Z	.765	.765	0	%100
51	M59	X	-.441	-.441	0	%100
52	M59	Z	.765	.765	0	%100
53	M60	X	-1.766	-1.766	0	%100
54	M60	Z	3.058	3.058	0	%100
55	M63	X	-1.682	-1.682	0	%100
56	M63	Z	2.914	2.914	0	%100
57	M64	X	-1.682	-1.682	0	%100
58	M64	Z	2.914	2.914	0	%100
59	M81	X	-1.682	-1.682	0	%100
60	M81	Z	2.914	2.914	0	%100
61	M82	X	-1.682	-1.682	0	%100
62	M82	Z	2.914	2.914	0	%100
63	M85	X	0	0	0	%100
64	M85	Z	0	0	0	%100
65	M86	X	0	0	0	%100
66	M86	Z	0	0	0	%100
67	M91	X	-.587	-.587	0	%100
68	M91	Z	1.016	1.016	0	%100
69	M92	X	-.587	-.587	0	%100
70	M92	Z	1.016	1.016	0	%100
71	M80A	X	-1.077	-1.077	0	%100
72	M80A	Z	1.865	1.865	0	%100
73	M80B	X	-1.077	-1.077	0	%100
74	M80B	Z	1.865	1.865	0	%100
75	M79A	X	-.587	-.587	0	%100
76	M79A	Z	1.016	1.016	0	%100
77	M80C	X	-.587	-.587	0	%100
78	M80C	Z	1.016	1.016	0	%100
79	M81B	X	-1.077	-1.077	0	%100
80	M81B	Z	1.865	1.865	0	%100
81	M82B	X	-1.077	-1.077	0	%100
82	M82B	Z	1.865	1.865	0	%100
83	M85A	X	-2.347	-2.347	0	%100
84	M85A	Z	4.066	4.066	0	%100
85	M86A	X	-2.347	-2.347	0	%100
86	M86A	Z	4.066	4.066	0	%100
87	M87	X	0	0	0	%100
88	M87	Z	0	0	0	%100
89	M88	X	0	0	0	%100
90	M88	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
91	M93	X	-1.201	-1.201	0	%100
92	M93	Z	2.08	2.08	0	%100
93	M91A	X	-2.164	-2.164	0	%100
94	M91A	Z	3.748	3.748	0	%100
95	M93A	X	-2.164	-2.164	0	%100
96	M93A	Z	3.748	3.748	0	%100
97	M95	X	-.848	-.848	0	%100
98	M95	Z	1.469	1.469	0	%100
99	M97	X	-.303	-.303	0	%100
100	M97	Z	.524	.524	0	%100
101	M99	X	-.104	-.104	0	%100
102	M99	Z	.179	.179	0	%100
103	M104	X	-1.68	-1.68	0	%100
104	M104	Z	2.91	2.91	0	%100
105	M105	X	0	0	0	%100
106	M105	Z	0	0	0	%100
107	M106	X	-1.68	-1.68	0	%100
108	M106	Z	2.91	2.91	0	%100
109	M111	X	-.000318	-.000318	0	%100
110	M111	Z	.000551	.000551	0	%100
111	M112	X	-1.21	-1.21	0	%100
112	M112	Z	2.096	2.096	0	%100
113	M119	X	-1.21	-1.21	0	%100
114	M119	Z	2.096	2.096	0	%100
115	M120	X	-.000318	-.000318	0	%100
116	M120	Z	.000551	.000551	0	%100
117	M127	X	-1.25	-1.25	0	%100
118	M127	Z	2.164	2.164	0	%100
119	M128	X	-1.25	-1.25	0	%100
120	M128	Z	2.164	2.164	0	%100
121	M128A	X	-1.411	-1.411	0	%100
122	M128A	Z	2.444	2.444	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	-.757	-.757	0	%100
2	M1	Z	.437	.437	0	%100
3	M2	X	-.611	-.611	0	%100
4	M2	Z	.353	.353	0	%100
5	MP5A	X	-2.444	-2.444	0	%100
6	MP5A	Z	1.411	1.411	0	%100
7	MP4A	X	-2.444	-2.444	0	%100
8	MP4A	Z	1.411	1.411	0	%100
9	MP3A	X	-2.444	-2.444	0	%100
10	MP3A	Z	1.411	1.411	0	%100
11	MP2A	X	-2.444	-2.444	0	%100
12	MP2A	Z	1.411	1.411	0	%100
13	MP1A	X	-2.444	-2.444	0	%100
14	MP1A	Z	1.411	1.411	0	%100
15	M18	X	-3.03	-3.03	0	%100
16	M18	Z	1.749	1.749	0	%100
17	M19	X	-2.444	-2.444	0	%100
18	M19	Z	1.411	1.411	0	%100
19	MP5C	X	-2.444	-2.444	0	%100
20	MP5C	Z	1.411	1.411	0	%100
21	MP4C	X	-2.444	-2.444	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,%]
22	MP4C	Z	1.411	1.411	0	%100
23	MP3C	X	-2.444	-2.444	0	%100
24	MP3C	Z	1.411	1.411	0	%100
25	MP2C	X	-2.444	-2.444	0	%100
26	MP2C	Z	1.411	1.411	0	%100
27	MP1C	X	-2.444	-2.444	0	%100
28	MP1C	Z	1.411	1.411	0	%100
29	M35	X	-.757	-.757	0	%100
30	M35	Z	.437	.437	0	%100
31	M36	X	-.611	-.611	0	%100
32	M36	Z	.353	.353	0	%100
33	MP5B	X	-2.444	-2.444	0	%100
34	MP5B	Z	1.411	1.411	0	%100
35	MP4B	X	-2.444	-2.444	0	%100
36	MP4B	Z	1.411	1.411	0	%100
37	MP3B	X	-2.444	-2.444	0	%100
38	MP3B	Z	1.411	1.411	0	%100
39	MP2B	X	-2.444	-2.444	0	%100
40	MP2B	Z	1.411	1.411	0	%100
41	MP1B	X	-2.444	-2.444	0	%100
42	MP1B	Z	1.411	1.411	0	%100
43	M52	X	-2.149	-2.149	0	%100
44	M52	Z	1.241	1.241	0	%100
45	M53	X	-.537	-.537	0	%100
46	M53	Z	.31	.31	0	%100
47	M54	X	-.537	-.537	0	%100
48	M54	Z	.31	.31	0	%100
49	M58	X	-2.294	-2.294	0	%100
50	M58	Z	1.324	1.324	0	%100
51	M59	X	0	0	0	%100
52	M59	Z	0	0	0	%100
53	M60	X	-2.294	-2.294	0	%100
54	M60	Z	1.324	1.324	0	%100
55	M63	X	-.971	-.971	0	%100
56	M63	Z	.561	.561	0	%100
57	M64	X	-.971	-.971	0	%100
58	M64	Z	.561	.561	0	%100
59	M81	X	-3.885	-3.885	0	%100
60	M81	Z	2.243	2.243	0	%100
61	M82	X	-3.885	-3.885	0	%100
62	M82	Z	2.243	2.243	0	%100
63	M85	X	-.971	-.971	0	%100
64	M85	Z	.561	.561	0	%100
65	M86	X	-.971	-.971	0	%100
66	M86	Z	.561	.561	0	%100
67	M91	X	-3.049	-3.049	0	%100
68	M91	Z	1.761	1.761	0	%100
69	M92	X	-3.049	-3.049	0	%100
70	M92	Z	1.761	1.761	0	%100
71	M80A	X	-.622	-.622	0	%100
72	M80A	Z	.359	.359	0	%100
73	M80B	X	-.622	-.622	0	%100
74	M80B	Z	.359	.359	0	%100
75	M79A	X	0	0	0	%100
76	M79A	Z	0	0	0	%100
77	M80C	X	0	0	0	%100
78	M80C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
79	M81B	X	-2.487	-2.487	0	%100
80	M81B	Z	1.436	1.436	0	%100
81	M82B	X	-2.487	-2.487	0	%100
82	M82B	Z	1.436	1.436	0	%100
83	M85A	X	-3.049	-3.049	0	%100
84	M85A	Z	1.761	1.761	0	%100
85	M86A	X	-3.049	-3.049	0	%100
86	M86A	Z	1.761	1.761	0	%100
87	M87	X	-.622	-.622	0	%100
88	M87	Z	.359	.359	0	%100
89	M88	X	-.622	-.622	0	%100
90	M88	Z	.359	.359	0	%100
91	M93	X	-.346	-.346	0	%100
92	M93	Z	.2	.2	0	%100
93	M91A	X	-2.359	-2.359	0	%100
94	M91A	Z	1.362	1.362	0	%100
95	M93A	X	-3.303	-3.303	0	%100
96	M93A	Z	1.907	1.907	0	%100
97	M95	X	-3.303	-3.303	0	%100
98	M95	Z	1.907	1.907	0	%100
99	M97	X	-2.359	-2.359	0	%100
100	M97	Z	1.362	1.362	0	%100
101	M99	X	-.346	-.346	0	%100
102	M99	Z	.2	.2	0	%100
103	M104	X	-3.88	-3.88	0	%100
104	M104	Z	2.24	2.24	0	%100
105	M105	X	-.97	-.97	0	%100
106	M105	Z	.56	.56	0	%100
107	M106	X	-.97	-.97	0	%100
108	M106	Z	.56	.56	0	%100
109	M111	X	-.745	-.745	0	%100
110	M111	Z	.43	.43	0	%100
111	M112	X	-2.84	-2.84	0	%100
112	M112	Z	1.64	1.64	0	%100
113	M119	X	-.676	-.676	0	%100
114	M119	Z	.39	.39	0	%100
115	M120	X	-.676	-.676	0	%100
116	M120	Z	.39	.39	0	%100
117	M127	X	-2.84	-2.84	0	%100
118	M127	Z	1.64	1.64	0	%100
119	M128	X	-.745	-.745	0	%100
120	M128	Z	.43	.43	0	%100
121	M128A	X	-2.444	-2.444	0	%100
122	M128A	Z	1.411	1.411	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	MP5A	X	-2.822	-2.822	0	%100
6	MP5A	Z	0	0	0	%100
7	MP4A	X	-2.822	-2.822	0	%100
8	MP4A	Z	0	0	0	%100
9	MP3A	X	-2.822	-2.822	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,%]
10	MP3A	Z	0	0	0	%100
11	MP2A	X	-2.822	-2.822	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-2.822	-2.822	0	%100
14	MP1A	Z	0	0	0	%100
15	M18	X	-2.624	-2.624	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	-2.117	-2.117	0	%100
18	M19	Z	0	0	0	%100
19	MP5C	X	-2.822	-2.822	0	%100
20	MP5C	Z	0	0	0	%100
21	MP4C	X	-2.822	-2.822	0	%100
22	MP4C	Z	0	0	0	%100
23	MP3C	X	-2.822	-2.822	0	%100
24	MP3C	Z	0	0	0	%100
25	MP2C	X	-2.822	-2.822	0	%100
26	MP2C	Z	0	0	0	%100
27	MP1C	X	-2.822	-2.822	0	%100
28	MP1C	Z	0	0	0	%100
29	M35	X	-2.624	-2.624	0	%100
30	M35	Z	0	0	0	%100
31	M36	X	-2.117	-2.117	0	%100
32	M36	Z	0	0	0	%100
33	MP5B	X	-2.822	-2.822	0	%100
34	MP5B	Z	0	0	0	%100
35	MP4B	X	-2.822	-2.822	0	%100
36	MP4B	Z	0	0	0	%100
37	MP3B	X	-2.822	-2.822	0	%100
38	MP3B	Z	0	0	0	%100
39	MP2B	X	-2.822	-2.822	0	%100
40	MP2B	Z	0	0	0	%100
41	MP1B	X	-2.822	-2.822	0	%100
42	MP1B	Z	0	0	0	%100
43	M52	X	-1.861	-1.861	0	%100
44	M52	Z	0	0	0	%100
45	M53	X	-1.861	-1.861	0	%100
46	M53	Z	0	0	0	%100
47	M54	X	0	0	0	%100
48	M54	Z	0	0	0	%100
49	M58	X	-3.531	-3.531	0	%100
50	M58	Z	0	0	0	%100
51	M59	X	-.883	-.883	0	%100
52	M59	Z	0	0	0	%100
53	M60	X	-.883	-.883	0	%100
54	M60	Z	0	0	0	%100
55	M63	X	0	0	0	%100
56	M63	Z	0	0	0	%100
57	M64	X	0	0	0	%100
58	M64	Z	0	0	0	%100
59	M81	X	-3.364	-3.364	0	%100
60	M81	Z	0	0	0	%100
61	M82	X	-3.364	-3.364	0	%100
62	M82	Z	0	0	0	%100
63	M85	X	-3.364	-3.364	0	%100
64	M85	Z	0	0	0	%100
65	M86	X	-3.364	-3.364	0	%100
66	M86	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
67	M91	X	-4.695	-4.695	0	%100
68	M91	Z	0	0	0	%100
69	M92	X	-4.695	-4.695	0	%100
70	M92	Z	0	0	0	%100
71	M80A	X	0	0	0	%100
72	M80A	Z	0	0	0	%100
73	M80B	X	0	0	0	%100
74	M80B	Z	0	0	0	%100
75	M79A	X	-1.174	-1.174	0	%100
76	M79A	Z	0	0	0	%100
77	M80C	X	-1.174	-1.174	0	%100
78	M80C	Z	0	0	0	%100
79	M81B	X	-2.154	-2.154	0	%100
80	M81B	Z	0	0	0	%100
81	M82B	X	-2.154	-2.154	0	%100
82	M82B	Z	0	0	0	%100
83	M85A	X	-1.174	-1.174	0	%100
84	M85A	Z	0	0	0	%100
85	M86A	X	-1.174	-1.174	0	%100
86	M86A	Z	0	0	0	%100
87	M87	X	-2.154	-2.154	0	%100
88	M87	Z	0	0	0	%100
89	M88	X	-2.154	-2.154	0	%100
90	M88	Z	0	0	0	%100
91	M93	X	-.207	-.207	0	%100
92	M93	Z	0	0	0	%100
93	M91A	X	-.605	-.605	0	%100
94	M91A	Z	0	0	0	%100
95	M93A	X	-1.696	-1.696	0	%100
96	M93A	Z	0	0	0	%100
97	M95	X	-4.328	-4.328	0	%100
98	M95	Z	0	0	0	%100
99	M97	X	-4.328	-4.328	0	%100
100	M97	Z	0	0	0	%100
101	M99	X	-2.402	-2.402	0	%100
102	M99	Z	0	0	0	%100
103	M104	X	-3.36	-3.36	0	%100
104	M104	Z	0	0	0	%100
105	M105	X	-3.36	-3.36	0	%100
106	M105	Z	0	0	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	0	0	0	%100
109	M111	X	-2.499	-2.499	0	%100
110	M111	Z	0	0	0	%100
111	M112	X	-2.499	-2.499	0	%100
112	M112	Z	0	0	0	%100
113	M119	X	-.000636	-.000636	0	%100
114	M119	Z	0	0	0	%100
115	M120	X	-2.42	-2.42	0	%100
116	M120	Z	0	0	0	%100
117	M127	X	-2.42	-2.42	0	%100
118	M127	Z	0	0	0	%100
119	M128	X	-.000636	-.000636	0	%100
120	M128	Z	0	0	0	%100
121	M128A	X	-2.822	-2.822	0	%100
122	M128A	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	-.757	-.757	0	%100
2	M1	Z	-.437	-.437	0	%100
3	M2	X	-.611	-.611	0	%100
4	M2	Z	-.353	-.353	0	%100
5	MP5A	X	-2.444	-2.444	0	%100
6	MP5A	Z	-1.411	-1.411	0	%100
7	MP4A	X	-2.444	-2.444	0	%100
8	MP4A	Z	-1.411	-1.411	0	%100
9	MP3A	X	-2.444	-2.444	0	%100
10	MP3A	Z	-1.411	-1.411	0	%100
11	MP2A	X	-2.444	-2.444	0	%100
12	MP2A	Z	-1.411	-1.411	0	%100
13	MP1A	X	-2.444	-2.444	0	%100
14	MP1A	Z	-1.411	-1.411	0	%100
15	M18	X	-.757	-.757	0	%100
16	M18	Z	-.437	-.437	0	%100
17	M19	X	-.611	-.611	0	%100
18	M19	Z	-.353	-.353	0	%100
19	MP5C	X	-2.444	-2.444	0	%100
20	MP5C	Z	-1.411	-1.411	0	%100
21	MP4C	X	-2.444	-2.444	0	%100
22	MP4C	Z	-1.411	-1.411	0	%100
23	MP3C	X	-2.444	-2.444	0	%100
24	MP3C	Z	-1.411	-1.411	0	%100
25	MP2C	X	-2.444	-2.444	0	%100
26	MP2C	Z	-1.411	-1.411	0	%100
27	MP1C	X	-2.444	-2.444	0	%100
28	MP1C	Z	-1.411	-1.411	0	%100
29	M35	X	-3.03	-3.03	0	%100
30	M35	Z	-1.749	-1.749	0	%100
31	M36	X	-2.444	-2.444	0	%100
32	M36	Z	-1.411	-1.411	0	%100
33	MP5B	X	-2.444	-2.444	0	%100
34	MP5B	Z	-1.411	-1.411	0	%100
35	MP4B	X	-2.444	-2.444	0	%100
36	MP4B	Z	-1.411	-1.411	0	%100
37	MP3B	X	-2.444	-2.444	0	%100
38	MP3B	Z	-1.411	-1.411	0	%100
39	MP2B	X	-2.444	-2.444	0	%100
40	MP2B	Z	-1.411	-1.411	0	%100
41	MP1B	X	-2.444	-2.444	0	%100
42	MP1B	Z	-1.411	-1.411	0	%100
43	M52	X	-.537	-.537	0	%100
44	M52	Z	-.31	-.31	0	%100
45	M53	X	-2.149	-2.149	0	%100
46	M53	Z	-1.241	-1.241	0	%100
47	M54	X	-.537	-.537	0	%100
48	M54	Z	-.31	-.31	0	%100
49	M58	X	-2.294	-2.294	0	%100
50	M58	Z	-1.324	-1.324	0	%100
51	M59	X	-2.294	-2.294	0	%100
52	M59	Z	-1.324	-1.324	0	%100
53	M60	X	0	0	0	%100
54	M60	Z	0	0	0	%100
55	M63	X	-.971	-.971	0	%100
56	M63	Z	-.561	-.561	0	%100
57	M64	X	-.971	-.971	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	M64	Z	-.561	-.561	0	%100
59	M81	X	-.971	-.971	0	%100
60	M81	Z	-.561	-.561	0	%100
61	M82	X	-.971	-.971	0	%100
62	M82	Z	-.561	-.561	0	%100
63	M85	X	-3.885	-3.885	0	%100
64	M85	Z	-2.243	-2.243	0	%100
65	M86	X	-3.885	-3.885	0	%100
66	M86	Z	-2.243	-2.243	0	%100
67	M91	X	-3.049	-3.049	0	%100
68	M91	Z	-1.761	-1.761	0	%100
69	M92	X	-3.049	-3.049	0	%100
70	M92	Z	-1.761	-1.761	0	%100
71	M80A	X	-.622	-.622	0	%100
72	M80A	Z	-.359	-.359	0	%100
73	M80B	X	-.622	-.622	0	%100
74	M80B	Z	-.359	-.359	0	%100
75	M79A	X	-3.049	-3.049	0	%100
76	M79A	Z	-1.761	-1.761	0	%100
77	M80C	X	-3.049	-3.049	0	%100
78	M80C	Z	-1.761	-1.761	0	%100
79	M81B	X	-.622	-.622	0	%100
80	M81B	Z	-.359	-.359	0	%100
81	M82B	X	-.622	-.622	0	%100
82	M82B	Z	-.359	-.359	0	%100
83	M85A	X	0	0	0	%100
84	M85A	Z	0	0	0	%100
85	M86A	X	0	0	0	%100
86	M86A	Z	0	0	0	%100
87	M87	X	-2.487	-2.487	0	%100
88	M87	Z	-1.436	-1.436	0	%100
89	M88	X	-2.487	-2.487	0	%100
90	M88	Z	-1.436	-1.436	0	%100
91	M93	X	-1.747	-1.747	0	%100
92	M93	Z	-1.009	-1.009	0	%100
93	M91A	X	-.079	-.079	0	%100
94	M91A	Z	-.046	-.046	0	%100
95	M93A	X	-.079	-.079	0	%100
96	M93A	Z	-.046	-.046	0	%100
97	M95	X	-2.359	-2.359	0	%100
98	M95	Z	-1.362	-1.362	0	%100
99	M97	X	-3.303	-3.303	0	%100
100	M97	Z	-1.907	-1.907	0	%100
101	M99	X	-3.648	-3.648	0	%100
102	M99	Z	-2.106	-2.106	0	%100
103	M104	X	-.97	-.97	0	%100
104	M104	Z	-.56	-.56	0	%100
105	M105	X	-3.88	-3.88	0	%100
106	M105	Z	-2.24	-2.24	0	%100
107	M106	X	-.97	-.97	0	%100
108	M106	Z	-.56	-.56	0	%100
109	M111	X	-2.84	-2.84	0	%100
110	M111	Z	-1.64	-1.64	0	%100
111	M112	X	-.745	-.745	0	%100
112	M112	Z	-.43	-.43	0	%100
113	M119	X	-.745	-.745	0	%100
114	M119	Z	-.43	-.43	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,%]
115	M120	X	-2.84	-2.84	0	%100
116	M120	Z	-1.64	-1.64	0	%100
117	M127	X	-.676	-.676	0	%100
118	M127	Z	-.39	-.39	0	%100
119	M128	X	-.676	-.676	0	%100
120	M128	Z	-.39	-.39	0	%100
121	M128A	X	-2.444	-2.444	0	%100
122	M128A	Z	-1.411	-1.411	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	-1.312	-1.312	0	%100
2	M1	Z	-2.272	-2.272	0	%100
3	M2	X	-1.058	-1.058	0	%100
4	M2	Z	-1.833	-1.833	0	%100
5	MP5A	X	-1.411	-1.411	0	%100
6	MP5A	Z	-2.444	-2.444	0	%100
7	MP4A	X	-1.411	-1.411	0	%100
8	MP4A	Z	-2.444	-2.444	0	%100
9	MP3A	X	-1.411	-1.411	0	%100
10	MP3A	Z	-2.444	-2.444	0	%100
11	MP2A	X	-1.411	-1.411	0	%100
12	MP2A	Z	-2.444	-2.444	0	%100
13	MP1A	X	-1.411	-1.411	0	%100
14	MP1A	Z	-2.444	-2.444	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	0	0	0	%100
19	MP5C	X	-1.411	-1.411	0	%100
20	MP5C	Z	-2.444	-2.444	0	%100
21	MP4C	X	-1.411	-1.411	0	%100
22	MP4C	Z	-2.444	-2.444	0	%100
23	MP3C	X	-1.411	-1.411	0	%100
24	MP3C	Z	-2.444	-2.444	0	%100
25	MP2C	X	-1.411	-1.411	0	%100
26	MP2C	Z	-2.444	-2.444	0	%100
27	MP1C	X	-1.411	-1.411	0	%100
28	MP1C	Z	-2.444	-2.444	0	%100
29	M35	X	-1.312	-1.312	0	%100
30	M35	Z	-2.272	-2.272	0	%100
31	M36	X	-1.058	-1.058	0	%100
32	M36	Z	-1.833	-1.833	0	%100
33	MP5B	X	-1.411	-1.411	0	%100
34	MP5B	Z	-2.444	-2.444	0	%100
35	MP4B	X	-1.411	-1.411	0	%100
36	MP4B	Z	-2.444	-2.444	0	%100
37	MP3B	X	-1.411	-1.411	0	%100
38	MP3B	Z	-2.444	-2.444	0	%100
39	MP2B	X	-1.411	-1.411	0	%100
40	MP2B	Z	-2.444	-2.444	0	%100
41	MP1B	X	-1.411	-1.411	0	%100
42	MP1B	Z	-2.444	-2.444	0	%100
43	M52	X	0	0	0	%100
44	M52	Z	0	0	0	%100
45	M53	X	-.931	-.931	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,%]
46	M53	Z	-1.612	-1.612	0	%100
47	M54	X	-.931	-.931	0	%100
48	M54	Z	-1.612	-1.612	0	%100
49	M58	X	-.441	-.441	0	%100
50	M58	Z	-.765	-.765	0	%100
51	M59	X	-1.766	-1.766	0	%100
52	M59	Z	-3.058	-3.058	0	%100
53	M60	X	-.441	-.441	0	%100
54	M60	Z	-.765	-.765	0	%100
55	M63	X	-1.682	-1.682	0	%100
56	M63	Z	-2.914	-2.914	0	%100
57	M64	X	-1.682	-1.682	0	%100
58	M64	Z	-2.914	-2.914	0	%100
59	M81	X	0	0	0	%100
60	M81	Z	0	0	0	%100
61	M82	X	0	0	0	%100
62	M82	Z	0	0	0	%100
63	M85	X	-1.682	-1.682	0	%100
64	M85	Z	-2.914	-2.914	0	%100
65	M86	X	-1.682	-1.682	0	%100
66	M86	Z	-2.914	-2.914	0	%100
67	M91	X	-.587	-.587	0	%100
68	M91	Z	-1.016	-1.016	0	%100
69	M92	X	-.587	-.587	0	%100
70	M92	Z	-1.016	-1.016	0	%100
71	M80A	X	-1.077	-1.077	0	%100
72	M80A	Z	-1.865	-1.865	0	%100
73	M80B	X	-1.077	-1.077	0	%100
74	M80B	Z	-1.865	-1.865	0	%100
75	M79A	X	-2.347	-2.347	0	%100
76	M79A	Z	-4.066	-4.066	0	%100
77	M80C	X	-2.347	-2.347	0	%100
78	M80C	Z	-4.066	-4.066	0	%100
79	M81B	X	0	0	0	%100
80	M81B	Z	0	0	0	%100
81	M82B	X	0	0	0	%100
82	M82B	Z	0	0	0	%100
83	M85A	X	-.587	-.587	0	%100
84	M85A	Z	-1.016	-1.016	0	%100
85	M86A	X	-.587	-.587	0	%100
86	M86A	Z	-1.016	-1.016	0	%100
87	M87	X	-1.077	-1.077	0	%100
88	M87	Z	-1.865	-1.865	0	%100
89	M88	X	-1.077	-1.077	0	%100
90	M88	Z	-1.865	-1.865	0	%100
91	M93	X	-2.01	-2.01	0	%100
92	M93	Z	-3.481	-3.481	0	%100
93	M91A	X	-.848	-.848	0	%100
94	M91A	Z	-1.469	-1.469	0	%100
95	M93A	X	-.303	-.303	0	%100
96	M93A	Z	-.524	-.524	0	%100
97	M95	X	-.303	-.303	0	%100
98	M95	Z	-.524	-.524	0	%100
99	M97	X	-.848	-.848	0	%100
100	M97	Z	-1.469	-1.469	0	%100
101	M99	X	-2.01	-2.01	0	%100
102	M99	Z	-3.481	-3.481	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,%]
103	M104	X	0	0	0	%100
104	M104	Z	0	0	0	%100
105	M105	X	-1.68	-1.68	0	%100
106	M105	Z	-2.91	-2.91	0	%100
107	M106	X	-1.68	-1.68	0	%100
108	M106	Z	-2.91	-2.91	0	%100
109	M111	X	-1.21	-1.21	0	%100
110	M111	Z	-2.096	-2.096	0	%100
111	M112	X	-.000318	-.000318	0	%100
112	M112	Z	-.000551	-.000551	0	%100
113	M119	X	-1.25	-1.25	0	%100
114	M119	Z	-2.164	-2.164	0	%100
115	M120	X	-1.25	-1.25	0	%100
116	M120	Z	-2.164	-2.164	0	%100
117	M127	X	-.000318	-.000318	0	%100
118	M127	Z	-.000551	-.000551	0	%100
119	M128	X	-1.21	-1.21	0	%100
120	M128	Z	-2.096	-2.096	0	%100
121	M128A	X	-1.411	-1.411	0	%100
122	M128A	Z	-2.444	-2.444	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	-.757	-.757	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-.514	-.514	0	%100
5	MP5A	X	0	0	0	%100
6	MP5A	Z	-.514	-.514	0	%100
7	MP4A	X	0	0	0	%100
8	MP4A	Z	-.514	-.514	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	-.514	-.514	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-.514	-.514	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-.514	-.514	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	-.189	-.189	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	-.128	-.128	0	%100
19	MP5C	X	0	0	0	%100
20	MP5C	Z	-.514	-.514	0	%100
21	MP4C	X	0	0	0	%100
22	MP4C	Z	-.514	-.514	0	%100
23	MP3C	X	0	0	0	%100
24	MP3C	Z	-.514	-.514	0	%100
25	MP2C	X	0	0	0	%100
26	MP2C	Z	-.514	-.514	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	-.514	-.514	0	%100
29	M35	X	0	0	0	%100
30	M35	Z	-.189	-.189	0	%100
31	M36	X	0	0	0	%100
32	M36	Z	-.128	-.128	0	%100
33	MP5B	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,%]
34	MP5B	Z	-.514	-.514	0	%100
35	MP4B	X	0	0	0	%100
36	MP4B	Z	-.514	-.514	0	%100
37	MP3B	X	0	0	0	%100
38	MP3B	Z	-.514	-.514	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	-.514	-.514	0	%100
41	MP1B	X	0	0	0	%100
42	MP1B	Z	-.514	-.514	0	%100
43	M52	X	0	0	0	%100
44	M52	Z	-.145	-.145	0	%100
45	M53	X	0	0	0	%100
46	M53	Z	-.145	-.145	0	%100
47	M54	X	0	0	0	%100
48	M54	Z	-.579	-.579	0	%100
49	M58	X	0	0	0	%100
50	M58	Z	0	0	0	%100
51	M59	X	0	0	0	%100
52	M59	Z	-.577	-.577	0	%100
53	M60	X	0	0	0	%100
54	M60	Z	-.577	-.577	0	%100
55	M63	X	0	0	0	%100
56	M63	Z	-1.322	-1.322	0	%100
57	M64	X	0	0	0	%100
58	M64	Z	-1.322	-1.322	0	%100
59	M81	X	0	0	0	%100
60	M81	Z	-.33	-.33	0	%100
61	M82	X	0	0	0	%100
62	M82	Z	-.33	-.33	0	%100
63	M85	X	0	0	0	%100
64	M85	Z	-.33	-.33	0	%100
65	M86	X	0	0	0	%100
66	M86	Z	-.33	-.33	0	%100
67	M91	X	0	0	0	%100
68	M91	Z	0	0	0	%100
69	M92	X	0	0	0	%100
70	M92	Z	0	0	0	%100
71	M80A	X	0	0	0	%100
72	M80A	Z	-.65	-.65	0	%100
73	M80B	X	0	0	0	%100
74	M80B	Z	-.65	-.65	0	%100
75	M79A	X	0	0	0	%100
76	M79A	Z	-1.048	-1.048	0	%100
77	M80C	X	0	0	0	%100
78	M80C	Z	-1.048	-1.048	0	%100
79	M81B	X	0	0	0	%100
80	M81B	Z	-.163	-.163	0	%100
81	M82B	X	0	0	0	%100
82	M82B	Z	-.163	-.163	0	%100
83	M85A	X	0	0	0	%100
84	M85A	Z	-1.048	-1.048	0	%100
85	M86A	X	0	0	0	%100
86	M86A	Z	-1.048	-1.048	0	%100
87	M87	X	0	0	0	%100
88	M87	Z	-.163	-.163	0	%100
89	M88	X	0	0	0	%100
90	M88	Z	-.163	-.163	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,%]
91	M93	X	0	0	0	%100
92	M93	Z	-1.237	-1.237	0	%100
93	M91A	X	0	0	0	%100
94	M91A	Z	-1.12	-1.12	0	%100
95	M93A	X	0	0	0	%100
96	M93A	Z	-.8	-.8	0	%100
97	M95	X	0	0	0	%100
98	M95	Z	-.027	-.027	0	%100
99	M97	X	0	0	0	%100
100	M97	Z	-.027	-.027	0	%100
101	M99	X	0	0	0	%100
102	M99	Z	-.592	-.592	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	-.324	-.324	0	%100
105	M105	X	0	0	0	%100
106	M105	Z	-.324	-.324	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	-1.298	-1.298	0	%100
109	M111	X	0	0	0	%100
110	M111	Z	-.17	-.17	0	%100
111	M112	X	0	0	0	%100
112	M112	Z	-.17	-.17	0	%100
113	M119	X	0	0	0	%100
114	M119	Z	-.715	-.715	0	%100
115	M120	X	0	0	0	%100
116	M120	Z	-.187	-.187	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	-.187	-.187	0	%100
119	M128	X	0	0	0	%100
120	M128	Z	-.715	-.715	0	%100
121	M128A	X	0	0	0	%100
122	M128A	Z	-.514	-.514	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	.284	.284	0	%100
2	M1	Z	-.492	-.492	0	%100
3	M2	X	.193	.193	0	%100
4	M2	Z	-.334	-.334	0	%100
5	MP5A	X	.257	.257	0	%100
6	MP5A	Z	-.445	-.445	0	%100
7	MP4A	X	.257	.257	0	%100
8	MP4A	Z	-.445	-.445	0	%100
9	MP3A	X	.257	.257	0	%100
10	MP3A	Z	-.445	-.445	0	%100
11	MP2A	X	.257	.257	0	%100
12	MP2A	Z	-.445	-.445	0	%100
13	MP1A	X	.257	.257	0	%100
14	MP1A	Z	-.445	-.445	0	%100
15	M18	X	.284	.284	0	%100
16	M18	Z	-.492	-.492	0	%100
17	M19	X	.193	.193	0	%100
18	M19	Z	-.334	-.334	0	%100
19	MP5C	X	.257	.257	0	%100
20	MP5C	Z	-.445	-.445	0	%100
21	MP4C	X	.257	.257	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,%]
22	MP4C	Z	-.445	-.445	0	%100
23	MP3C	X	.257	.257	0	%100
24	MP3C	Z	-.445	-.445	0	%100
25	MP2C	X	.257	.257	0	%100
26	MP2C	Z	-.445	-.445	0	%100
27	MP1C	X	.257	.257	0	%100
28	MP1C	Z	-.445	-.445	0	%100
29	M35	X	0	0	0	%100
30	M35	Z	0	0	0	%100
31	M36	X	0	0	0	%100
32	M36	Z	0	0	0	%100
33	MP5B	X	.257	.257	0	%100
34	MP5B	Z	-.445	-.445	0	%100
35	MP4B	X	.257	.257	0	%100
36	MP4B	Z	-.445	-.445	0	%100
37	MP3B	X	.257	.257	0	%100
38	MP3B	Z	-.445	-.445	0	%100
39	MP2B	X	.257	.257	0	%100
40	MP2B	Z	-.445	-.445	0	%100
41	MP1B	X	.257	.257	0	%100
42	MP1B	Z	-.445	-.445	0	%100
43	M52	X	.217	.217	0	%100
44	M52	Z	-.376	-.376	0	%100
45	M53	X	0	0	0	%100
46	M53	Z	0	0	0	%100
47	M54	X	.217	.217	0	%100
48	M54	Z	-.376	-.376	0	%100
49	M58	X	.096	.096	0	%100
50	M58	Z	-.166	-.166	0	%100
51	M59	X	.096	.096	0	%100
52	M59	Z	-.166	-.166	0	%100
53	M60	X	.384	.384	0	%100
54	M60	Z	-.666	-.666	0	%100
55	M63	X	.496	.496	0	%100
56	M63	Z	-.859	-.859	0	%100
57	M64	X	.496	.496	0	%100
58	M64	Z	-.859	-.859	0	%100
59	M81	X	.496	.496	0	%100
60	M81	Z	-.859	-.859	0	%100
61	M82	X	.496	.496	0	%100
62	M82	Z	-.859	-.859	0	%100
63	M85	X	0	0	0	%100
64	M85	Z	0	0	0	%100
65	M86	X	0	0	0	%100
66	M86	Z	0	0	0	%100
67	M91	X	.175	.175	0	%100
68	M91	Z	-.302	-.302	0	%100
69	M92	X	.175	.175	0	%100
70	M92	Z	-.302	-.302	0	%100
71	M80A	X	.244	.244	0	%100
72	M80A	Z	-.422	-.422	0	%100
73	M80B	X	.244	.244	0	%100
74	M80B	Z	-.422	-.422	0	%100
75	M79A	X	.175	.175	0	%100
76	M79A	Z	-.302	-.302	0	%100
77	M80C	X	.175	.175	0	%100
78	M80C	Z	-.302	-.302	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,%]
79	M81B	X	.244	.244	0	%100
80	M81B	Z	-.422	-.422	0	%100
81	M82B	X	.244	.244	0	%100
82	M82B	Z	-.422	-.422	0	%100
83	M85A	X	.699	.699	0	%100
84	M85A	Z	-1.21	-1.21	0	%100
85	M86A	X	.699	.699	0	%100
86	M86A	Z	-1.21	-1.21	0	%100
87	M87	X	0	0	0	%100
88	M87	Z	0	0	0	%100
89	M88	X	0	0	0	%100
90	M88	Z	0	0	0	%100
91	M93	X	.353	.353	0	%100
92	M93	Z	-.611	-.611	0	%100
93	M91A	X	.635	.635	0	%100
94	M91A	Z	-1.101	-1.101	0	%100
95	M93A	X	.635	.635	0	%100
96	M93A	Z	-1.101	-1.101	0	%100
97	M95	X	.249	.249	0	%100
98	M95	Z	-.431	-.431	0	%100
99	M97	X	.089	.089	0	%100
100	M97	Z	-.154	-.154	0	%100
101	M99	X	.03	.03	0	%100
102	M99	Z	-.053	-.053	0	%100
103	M104	X	.487	.487	0	%100
104	M104	Z	-.843	-.843	0	%100
105	M105	X	0	0	0	%100
106	M105	Z	0	0	0	%100
107	M106	X	.487	.487	0	%100
108	M106	Z	-.843	-.843	0	%100
109	M111	X	6.9e-5	6.9e-5	0	%100
110	M111	Z	-.00012	-.00012	0	%100
111	M112	X	.264	.264	0	%100
112	M112	Z	-.457	-.457	0	%100
113	M119	X	.264	.264	0	%100
114	M119	Z	-.457	-.457	0	%100
115	M120	X	6.9e-5	6.9e-5	0	%100
116	M120	Z	-.00012	-.00012	0	%100
117	M127	X	.272	.272	0	%100
118	M127	Z	-.472	-.472	0	%100
119	M128	X	.272	.272	0	%100
120	M128	Z	-.472	-.472	0	%100
121	M128A	X	.257	.257	0	%100
122	M128A	Z	-.445	-.445	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	.164	.164	0	%100
2	M1	Z	-.095	-.095	0	%100
3	M2	X	.111	.111	0	%100
4	M2	Z	-.064	-.064	0	%100
5	MP5A	X	.445	.445	0	%100
6	MP5A	Z	-.257	-.257	0	%100
7	MP4A	X	.445	.445	0	%100
8	MP4A	Z	-.257	-.257	0	%100
9	MP3A	X	.445	.445	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,%]
10	MP3A	Z	-.257	-.257	0	%100
11	MP2A	X	.445	.445	0	%100
12	MP2A	Z	-.257	-.257	0	%100
13	MP1A	X	.445	.445	0	%100
14	MP1A	Z	-.257	-.257	0	%100
15	M18	X	.656	.656	0	%100
16	M18	Z	-.379	-.379	0	%100
17	M19	X	.445	.445	0	%100
18	M19	Z	-.257	-.257	0	%100
19	MP5C	X	.445	.445	0	%100
20	MP5C	Z	-.257	-.257	0	%100
21	MP4C	X	.445	.445	0	%100
22	MP4C	Z	-.257	-.257	0	%100
23	MP3C	X	.445	.445	0	%100
24	MP3C	Z	-.257	-.257	0	%100
25	MP2C	X	.445	.445	0	%100
26	MP2C	Z	-.257	-.257	0	%100
27	MP1C	X	.445	.445	0	%100
28	MP1C	Z	-.257	-.257	0	%100
29	M35	X	.164	.164	0	%100
30	M35	Z	-.095	-.095	0	%100
31	M36	X	.111	.111	0	%100
32	M36	Z	-.064	-.064	0	%100
33	MP5B	X	.445	.445	0	%100
34	MP5B	Z	-.257	-.257	0	%100
35	MP4B	X	.445	.445	0	%100
36	MP4B	Z	-.257	-.257	0	%100
37	MP3B	X	.445	.445	0	%100
38	MP3B	Z	-.257	-.257	0	%100
39	MP2B	X	.445	.445	0	%100
40	MP2B	Z	-.257	-.257	0	%100
41	MP1B	X	.445	.445	0	%100
42	MP1B	Z	-.257	-.257	0	%100
43	M52	X	.502	.502	0	%100
44	M52	Z	-.29	-.29	0	%100
45	M53	X	.125	.125	0	%100
46	M53	Z	-.072	-.072	0	%100
47	M54	X	.125	.125	0	%100
48	M54	Z	-.072	-.072	0	%100
49	M58	X	.499	.499	0	%100
50	M58	Z	-.288	-.288	0	%100
51	M59	X	0	0	0	%100
52	M59	Z	0	0	0	%100
53	M60	X	.499	.499	0	%100
54	M60	Z	-.288	-.288	0	%100
55	M63	X	.286	.286	0	%100
56	M63	Z	-.165	-.165	0	%100
57	M64	X	.286	.286	0	%100
58	M64	Z	-.165	-.165	0	%100
59	M81	X	1.145	1.145	0	%100
60	M81	Z	-.661	-.661	0	%100
61	M82	X	1.145	1.145	0	%100
62	M82	Z	-.661	-.661	0	%100
63	M85	X	.286	.286	0	%100
64	M85	Z	-.165	-.165	0	%100
65	M86	X	.286	.286	0	%100
66	M86	Z	-.165	-.165	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,%]
67	M91	X	.907	.907	0	%100
68	M91	Z	-.524	-.524	0	%100
69	M92	X	.907	.907	0	%100
70	M92	Z	-.524	-.524	0	%100
71	M80A	X	.141	.141	0	%100
72	M80A	Z	-.081	-.081	0	%100
73	M80B	X	.141	.141	0	%100
74	M80B	Z	-.081	-.081	0	%100
75	M79A	X	0	0	0	%100
76	M79A	Z	0	0	0	%100
77	M80C	X	0	0	0	%100
78	M80C	Z	0	0	0	%100
79	M81B	X	.563	.563	0	%100
80	M81B	Z	-.325	-.325	0	%100
81	M82B	X	.563	.563	0	%100
82	M82B	Z	-.325	-.325	0	%100
83	M85A	X	.907	.907	0	%100
84	M85A	Z	-.524	-.524	0	%100
85	M86A	X	.907	.907	0	%100
86	M86A	Z	-.524	-.524	0	%100
87	M87	X	.141	.141	0	%100
88	M87	Z	-.081	-.081	0	%100
89	M88	X	.141	.141	0	%100
90	M88	Z	-.081	-.081	0	%100
91	M93	X	.102	.102	0	%100
92	M93	Z	-.059	-.059	0	%100
93	M91A	X	.693	.693	0	%100
94	M91A	Z	-.4	-.4	0	%100
95	M93A	X	.97	.97	0	%100
96	M93A	Z	-.56	-.56	0	%100
97	M95	X	.97	.97	0	%100
98	M95	Z	-.56	-.56	0	%100
99	M97	X	.693	.693	0	%100
100	M97	Z	-.4	-.4	0	%100
101	M99	X	.102	.102	0	%100
102	M99	Z	-.059	-.059	0	%100
103	M104	X	1.124	1.124	0	%100
104	M104	Z	-.649	-.649	0	%100
105	M105	X	.281	.281	0	%100
106	M105	Z	-.162	-.162	0	%100
107	M106	X	.281	.281	0	%100
108	M106	Z	-.162	-.162	0	%100
109	M111	X	.162	.162	0	%100
110	M111	Z	-.094	-.094	0	%100
111	M112	X	.619	.619	0	%100
112	M112	Z	-.357	-.357	0	%100
113	M119	X	.147	.147	0	%100
114	M119	Z	-.085	-.085	0	%100
115	M120	X	.147	.147	0	%100
116	M120	Z	-.085	-.085	0	%100
117	M127	X	.619	.619	0	%100
118	M127	Z	-.357	-.357	0	%100
119	M128	X	.162	.162	0	%100
120	M128	Z	-.094	-.094	0	%100
121	M128A	X	.445	.445	0	%100
122	M128A	Z	-.257	-.257	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	MP5A	X	.514	.514	0	%100
6	MP5A	Z	0	0	0	%100
7	MP4A	X	.514	.514	0	%100
8	MP4A	Z	0	0	0	%100
9	MP3A	X	.514	.514	0	%100
10	MP3A	Z	0	0	0	%100
11	MP2A	X	.514	.514	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	.514	.514	0	%100
14	MP1A	Z	0	0	0	%100
15	M18	X	.568	.568	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	.385	.385	0	%100
18	M19	Z	0	0	0	%100
19	MP5C	X	.514	.514	0	%100
20	MP5C	Z	0	0	0	%100
21	MP4C	X	.514	.514	0	%100
22	MP4C	Z	0	0	0	%100
23	MP3C	X	.514	.514	0	%100
24	MP3C	Z	0	0	0	%100
25	MP2C	X	.514	.514	0	%100
26	MP2C	Z	0	0	0	%100
27	MP1C	X	.514	.514	0	%100
28	MP1C	Z	0	0	0	%100
29	M35	X	.568	.568	0	%100
30	M35	Z	0	0	0	%100
31	M36	X	.385	.385	0	%100
32	M36	Z	0	0	0	%100
33	MP5B	X	.514	.514	0	%100
34	MP5B	Z	0	0	0	%100
35	MP4B	X	.514	.514	0	%100
36	MP4B	Z	0	0	0	%100
37	MP3B	X	.514	.514	0	%100
38	MP3B	Z	0	0	0	%100
39	MP2B	X	.514	.514	0	%100
40	MP2B	Z	0	0	0	%100
41	MP1B	X	.514	.514	0	%100
42	MP1B	Z	0	0	0	%100
43	M52	X	.434	.434	0	%100
44	M52	Z	0	0	0	%100
45	M53	X	.434	.434	0	%100
46	M53	Z	0	0	0	%100
47	M54	X	0	0	0	%100
48	M54	Z	0	0	0	%100
49	M58	X	.769	.769	0	%100
50	M58	Z	0	0	0	%100
51	M59	X	.192	.192	0	%100
52	M59	Z	0	0	0	%100
53	M60	X	.192	.192	0	%100
54	M60	Z	0	0	0	%100
55	M63	X	0	0	0	%100
56	M63	Z	0	0	0	%100
57	M64	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M64	Z	0	0	0	%100
59	M81	X	.991	.991	0	%100
60	M81	Z	0	0	0	%100
61	M82	X	.991	.991	0	%100
62	M82	Z	0	0	0	%100
63	M85	X	.991	.991	0	%100
64	M85	Z	0	0	0	%100
65	M86	X	.991	.991	0	%100
66	M86	Z	0	0	0	%100
67	M91	X	1.397	1.397	0	%100
68	M91	Z	0	0	0	%100
69	M92	X	1.397	1.397	0	%100
70	M92	Z	0	0	0	%100
71	M80A	X	0	0	0	%100
72	M80A	Z	0	0	0	%100
73	M80B	X	0	0	0	%100
74	M80B	Z	0	0	0	%100
75	M79A	X	.349	.349	0	%100
76	M79A	Z	0	0	0	%100
77	M80C	X	.349	.349	0	%100
78	M80C	Z	0	0	0	%100
79	M81B	X	.488	.488	0	%100
80	M81B	Z	0	0	0	%100
81	M82B	X	.488	.488	0	%100
82	M82B	Z	0	0	0	%100
83	M85A	X	.349	.349	0	%100
84	M85A	Z	0	0	0	%100
85	M86A	X	.349	.349	0	%100
86	M86A	Z	0	0	0	%100
87	M87	X	.488	.488	0	%100
88	M87	Z	0	0	0	%100
89	M88	X	.488	.488	0	%100
90	M88	Z	0	0	0	%100
91	M93	X	.061	.061	0	%100
92	M93	Z	0	0	0	%100
93	M91A	X	.178	.178	0	%100
94	M91A	Z	0	0	0	%100
95	M93A	X	.498	.498	0	%100
96	M93A	Z	0	0	0	%100
97	M95	X	1.271	1.271	0	%100
98	M95	Z	0	0	0	%100
99	M97	X	1.271	1.271	0	%100
100	M97	Z	0	0	0	%100
101	M99	X	.705	.705	0	%100
102	M99	Z	0	0	0	%100
103	M104	X	.973	.973	0	%100
104	M104	Z	0	0	0	%100
105	M105	X	.973	.973	0	%100
106	M105	Z	0	0	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	0	0	0	%100
109	M111	X	.545	.545	0	%100
110	M111	Z	0	0	0	%100
111	M112	X	.545	.545	0	%100
112	M112	Z	0	0	0	%100
113	M119	X	.000139	.000139	0	%100
114	M119	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
115	M120	X	.527	.527	0	%100
116	M120	Z	0	0	0	%100
117	M127	X	.527	.527	0	%100
118	M127	Z	0	0	0	%100
119	M128	X	.000139	.000139	0	%100
120	M128	Z	0	0	0	%100
121	M128A	X	.514	.514	0	%100
122	M128A	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	.164	.164	0	%100
2	M1	Z	.095	.095	0	%100
3	M2	X	.111	.111	0	%100
4	M2	Z	.064	.064	0	%100
5	MP5A	X	.445	.445	0	%100
6	MP5A	Z	.257	.257	0	%100
7	MP4A	X	.445	.445	0	%100
8	MP4A	Z	.257	.257	0	%100
9	MP3A	X	.445	.445	0	%100
10	MP3A	Z	.257	.257	0	%100
11	MP2A	X	.445	.445	0	%100
12	MP2A	Z	.257	.257	0	%100
13	MP1A	X	.445	.445	0	%100
14	MP1A	Z	.257	.257	0	%100
15	M18	X	.164	.164	0	%100
16	M18	Z	.095	.095	0	%100
17	M19	X	.111	.111	0	%100
18	M19	Z	.064	.064	0	%100
19	MP5C	X	.445	.445	0	%100
20	MP5C	Z	.257	.257	0	%100
21	MP4C	X	.445	.445	0	%100
22	MP4C	Z	.257	.257	0	%100
23	MP3C	X	.445	.445	0	%100
24	MP3C	Z	.257	.257	0	%100
25	MP2C	X	.445	.445	0	%100
26	MP2C	Z	.257	.257	0	%100
27	MP1C	X	.445	.445	0	%100
28	MP1C	Z	.257	.257	0	%100
29	M35	X	.656	.656	0	%100
30	M35	Z	.379	.379	0	%100
31	M36	X	.445	.445	0	%100
32	M36	Z	.257	.257	0	%100
33	MP5B	X	.445	.445	0	%100
34	MP5B	Z	.257	.257	0	%100
35	MP4B	X	.445	.445	0	%100
36	MP4B	Z	.257	.257	0	%100
37	MP3B	X	.445	.445	0	%100
38	MP3B	Z	.257	.257	0	%100
39	MP2B	X	.445	.445	0	%100
40	MP2B	Z	.257	.257	0	%100
41	MP1B	X	.445	.445	0	%100
42	MP1B	Z	.257	.257	0	%100
43	M52	X	.125	.125	0	%100
44	M52	Z	.072	.072	0	%100
45	M53	X	.502	.502	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,%]
46	M53	Z	.29	.29	0	%100
47	M54	X	.125	.125	0	%100
48	M54	Z	.072	.072	0	%100
49	M58	X	.499	.499	0	%100
50	M58	Z	.288	.288	0	%100
51	M59	X	.499	.499	0	%100
52	M59	Z	.288	.288	0	%100
53	M60	X	0	0	0	%100
54	M60	Z	0	0	0	%100
55	M63	X	.286	.286	0	%100
56	M63	Z	.165	.165	0	%100
57	M64	X	.286	.286	0	%100
58	M64	Z	.165	.165	0	%100
59	M81	X	.286	.286	0	%100
60	M81	Z	.165	.165	0	%100
61	M82	X	.286	.286	0	%100
62	M82	Z	.165	.165	0	%100
63	M85	X	1.145	1.145	0	%100
64	M85	Z	.661	.661	0	%100
65	M86	X	1.145	1.145	0	%100
66	M86	Z	.661	.661	0	%100
67	M91	X	.907	.907	0	%100
68	M91	Z	.524	.524	0	%100
69	M92	X	.907	.907	0	%100
70	M92	Z	.524	.524	0	%100
71	M80A	X	.141	.141	0	%100
72	M80A	Z	.081	.081	0	%100
73	M80B	X	.141	.141	0	%100
74	M80B	Z	.081	.081	0	%100
75	M79A	X	.907	.907	0	%100
76	M79A	Z	.524	.524	0	%100
77	M80C	X	.907	.907	0	%100
78	M80C	Z	.524	.524	0	%100
79	M81B	X	.141	.141	0	%100
80	M81B	Z	.081	.081	0	%100
81	M82B	X	.141	.141	0	%100
82	M82B	Z	.081	.081	0	%100
83	M85A	X	0	0	0	%100
84	M85A	Z	0	0	0	%100
85	M86A	X	0	0	0	%100
86	M86A	Z	0	0	0	%100
87	M87	X	.563	.563	0	%100
88	M87	Z	.325	.325	0	%100
89	M88	X	.563	.563	0	%100
90	M88	Z	.325	.325	0	%100
91	M93	X	.513	.513	0	%100
92	M93	Z	.296	.296	0	%100
93	M91A	X	.023	.023	0	%100
94	M91A	Z	.013	.013	0	%100
95	M93A	X	.023	.023	0	%100
96	M93A	Z	.013	.013	0	%100
97	M95	X	.693	.693	0	%100
98	M95	Z	.4	.4	0	%100
99	M97	X	.97	.97	0	%100
100	M97	Z	.56	.56	0	%100
101	M99	X	1.071	1.071	0	%100
102	M99	Z	.619	.619	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,%]
103	M104	X	.281	.281	0	%100
104	M104	Z	.162	.162	0	%100
105	M105	X	1.124	1.124	0	%100
106	M105	Z	.649	.649	0	%100
107	M106	X	.281	.281	0	%100
108	M106	Z	.162	.162	0	%100
109	M111	X	.619	.619	0	%100
110	M111	Z	.357	.357	0	%100
111	M112	X	.162	.162	0	%100
112	M112	Z	.094	.094	0	%100
113	M119	X	.162	.162	0	%100
114	M119	Z	.094	.094	0	%100
115	M120	X	.619	.619	0	%100
116	M120	Z	.357	.357	0	%100
117	M127	X	.147	.147	0	%100
118	M127	Z	.085	.085	0	%100
119	M128	X	.147	.147	0	%100
120	M128	Z	.085	.085	0	%100
121	M128A	X	.445	.445	0	%100
122	M128A	Z	.257	.257	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	.284	.284	0	%100
2	M1	Z	.492	.492	0	%100
3	M2	X	.193	.193	0	%100
4	M2	Z	.334	.334	0	%100
5	MP5A	X	.257	.257	0	%100
6	MP5A	Z	.445	.445	0	%100
7	MP4A	X	.257	.257	0	%100
8	MP4A	Z	.445	.445	0	%100
9	MP3A	X	.257	.257	0	%100
10	MP3A	Z	.445	.445	0	%100
11	MP2A	X	.257	.257	0	%100
12	MP2A	Z	.445	.445	0	%100
13	MP1A	X	.257	.257	0	%100
14	MP1A	Z	.445	.445	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	0	0	0	%100
19	MP5C	X	.257	.257	0	%100
20	MP5C	Z	.445	.445	0	%100
21	MP4C	X	.257	.257	0	%100
22	MP4C	Z	.445	.445	0	%100
23	MP3C	X	.257	.257	0	%100
24	MP3C	Z	.445	.445	0	%100
25	MP2C	X	.257	.257	0	%100
26	MP2C	Z	.445	.445	0	%100
27	MP1C	X	.257	.257	0	%100
28	MP1C	Z	.445	.445	0	%100
29	M35	X	.284	.284	0	%100
30	M35	Z	.492	.492	0	%100
31	M36	X	.193	.193	0	%100
32	M36	Z	.334	.334	0	%100
33	MP5B	X	.257	.257	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,%]
34	MP5B	Z	.445	.445	0	%100
35	MP4B	X	.257	.257	0	%100
36	MP4B	Z	.445	.445	0	%100
37	MP3B	X	.257	.257	0	%100
38	MP3B	Z	.445	.445	0	%100
39	MP2B	X	.257	.257	0	%100
40	MP2B	Z	.445	.445	0	%100
41	MP1B	X	.257	.257	0	%100
42	MP1B	Z	.445	.445	0	%100
43	M52	X	0	0	0	%100
44	M52	Z	0	0	0	%100
45	M53	X	.217	.217	0	%100
46	M53	Z	.376	.376	0	%100
47	M54	X	.217	.217	0	%100
48	M54	Z	.376	.376	0	%100
49	M58	X	.096	.096	0	%100
50	M58	Z	.166	.166	0	%100
51	M59	X	.384	.384	0	%100
52	M59	Z	.666	.666	0	%100
53	M60	X	.096	.096	0	%100
54	M60	Z	.166	.166	0	%100
55	M63	X	.496	.496	0	%100
56	M63	Z	.859	.859	0	%100
57	M64	X	.496	.496	0	%100
58	M64	Z	.859	.859	0	%100
59	M81	X	0	0	0	%100
60	M81	Z	0	0	0	%100
61	M82	X	0	0	0	%100
62	M82	Z	0	0	0	%100
63	M85	X	.496	.496	0	%100
64	M85	Z	.859	.859	0	%100
65	M86	X	.496	.496	0	%100
66	M86	Z	.859	.859	0	%100
67	M91	X	.175	.175	0	%100
68	M91	Z	.302	.302	0	%100
69	M92	X	.175	.175	0	%100
70	M92	Z	.302	.302	0	%100
71	M80A	X	.244	.244	0	%100
72	M80A	Z	.422	.422	0	%100
73	M80B	X	.244	.244	0	%100
74	M80B	Z	.422	.422	0	%100
75	M79A	X	.699	.699	0	%100
76	M79A	Z	1.21	1.21	0	%100
77	M80C	X	.699	.699	0	%100
78	M80C	Z	1.21	1.21	0	%100
79	M81B	X	0	0	0	%100
80	M81B	Z	0	0	0	%100
81	M82B	X	0	0	0	%100
82	M82B	Z	0	0	0	%100
83	M85A	X	.175	.175	0	%100
84	M85A	Z	.302	.302	0	%100
85	M86A	X	.175	.175	0	%100
86	M86A	Z	.302	.302	0	%100
87	M87	X	.244	.244	0	%100
88	M87	Z	.422	.422	0	%100
89	M88	X	.244	.244	0	%100
90	M88	Z	.422	.422	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,%]
91	M93	X	.59	.59	0	%100
92	M93	Z	1.022	1.022	0	%100
93	M91A	X	.249	.249	0	%100
94	M91A	Z	.431	.431	0	%100
95	M93A	X	.089	.089	0	%100
96	M93A	Z	.154	.154	0	%100
97	M95	X	.089	.089	0	%100
98	M95	Z	.154	.154	0	%100
99	M97	X	.249	.249	0	%100
100	M97	Z	.431	.431	0	%100
101	M99	X	.59	.59	0	%100
102	M99	Z	1.022	1.022	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	0	0	0	%100
105	M105	X	.487	.487	0	%100
106	M105	Z	.843	.843	0	%100
107	M106	X	.487	.487	0	%100
108	M106	Z	.843	.843	0	%100
109	M111	X	.264	.264	0	%100
110	M111	Z	.457	.457	0	%100
111	M112	X	6.9e-5	6.9e-5	0	%100
112	M112	Z	.00012	.00012	0	%100
113	M119	X	.272	.272	0	%100
114	M119	Z	.472	.472	0	%100
115	M120	X	.272	.272	0	%100
116	M120	Z	.472	.472	0	%100
117	M127	X	6.9e-5	6.9e-5	0	%100
118	M127	Z	.00012	.00012	0	%100
119	M128	X	.264	.264	0	%100
120	M128	Z	.457	.457	0	%100
121	M128A	X	.257	.257	0	%100
122	M128A	Z	.445	.445	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	.757	.757	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	.514	.514	0	%100
5	MP5A	X	0	0	0	%100
6	MP5A	Z	.514	.514	0	%100
7	MP4A	X	0	0	0	%100
8	MP4A	Z	.514	.514	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	.514	.514	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	.514	.514	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	.514	.514	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	.189	.189	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	.128	.128	0	%100
19	MP5C	X	0	0	0	%100
20	MP5C	Z	.514	.514	0	%100
21	MP4C	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,%]
22	MP4C	Z	.514	.514	0	%100
23	MP3C	X	0	0	0	%100
24	MP3C	Z	.514	.514	0	%100
25	MP2C	X	0	0	0	%100
26	MP2C	Z	.514	.514	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	.514	.514	0	%100
29	M35	X	0	0	0	%100
30	M35	Z	.189	.189	0	%100
31	M36	X	0	0	0	%100
32	M36	Z	.128	.128	0	%100
33	MP5B	X	0	0	0	%100
34	MP5B	Z	.514	.514	0	%100
35	MP4B	X	0	0	0	%100
36	MP4B	Z	.514	.514	0	%100
37	MP3B	X	0	0	0	%100
38	MP3B	Z	.514	.514	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	.514	.514	0	%100
41	MP1B	X	0	0	0	%100
42	MP1B	Z	.514	.514	0	%100
43	M52	X	0	0	0	%100
44	M52	Z	.145	.145	0	%100
45	M53	X	0	0	0	%100
46	M53	Z	.145	.145	0	%100
47	M54	X	0	0	0	%100
48	M54	Z	.579	.579	0	%100
49	M58	X	0	0	0	%100
50	M58	Z	0	0	0	%100
51	M59	X	0	0	0	%100
52	M59	Z	.577	.577	0	%100
53	M60	X	0	0	0	%100
54	M60	Z	.577	.577	0	%100
55	M63	X	0	0	0	%100
56	M63	Z	1.322	1.322	0	%100
57	M64	X	0	0	0	%100
58	M64	Z	1.322	1.322	0	%100
59	M81	X	0	0	0	%100
60	M81	Z	.33	.33	0	%100
61	M82	X	0	0	0	%100
62	M82	Z	.33	.33	0	%100
63	M85	X	0	0	0	%100
64	M85	Z	.33	.33	0	%100
65	M86	X	0	0	0	%100
66	M86	Z	.33	.33	0	%100
67	M91	X	0	0	0	%100
68	M91	Z	0	0	0	%100
69	M92	X	0	0	0	%100
70	M92	Z	0	0	0	%100
71	M80A	X	0	0	0	%100
72	M80A	Z	.65	.65	0	%100
73	M80B	X	0	0	0	%100
74	M80B	Z	.65	.65	0	%100
75	M79A	X	0	0	0	%100
76	M79A	Z	1.048	1.048	0	%100
77	M80C	X	0	0	0	%100
78	M80C	Z	1.048	1.048	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,%]
79	M81B	X	0	0	0	%100
80	M81B	Z	.163	.163	0	%100
81	M82B	X	0	0	0	%100
82	M82B	Z	.163	.163	0	%100
83	M85A	X	0	0	0	%100
84	M85A	Z	1.048	1.048	0	%100
85	M86A	X	0	0	0	%100
86	M86A	Z	1.048	1.048	0	%100
87	M87	X	0	0	0	%100
88	M87	Z	.163	.163	0	%100
89	M88	X	0	0	0	%100
90	M88	Z	.163	.163	0	%100
91	M93	X	0	0	0	%100
92	M93	Z	1.237	1.237	0	%100
93	M91A	X	0	0	0	%100
94	M91A	Z	1.12	1.12	0	%100
95	M93A	X	0	0	0	%100
96	M93A	Z	.8	.8	0	%100
97	M95	X	0	0	0	%100
98	M95	Z	.027	.027	0	%100
99	M97	X	0	0	0	%100
100	M97	Z	.027	.027	0	%100
101	M99	X	0	0	0	%100
102	M99	Z	.592	.592	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	.324	.324	0	%100
105	M105	X	0	0	0	%100
106	M105	Z	.324	.324	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	1.298	1.298	0	%100
109	M111	X	0	0	0	%100
110	M111	Z	.17	.17	0	%100
111	M112	X	0	0	0	%100
112	M112	Z	.17	.17	0	%100
113	M119	X	0	0	0	%100
114	M119	Z	.715	.715	0	%100
115	M120	X	0	0	0	%100
116	M120	Z	.187	.187	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	.187	.187	0	%100
119	M128	X	0	0	0	%100
120	M128	Z	.715	.715	0	%100
121	M128A	X	0	0	0	%100
122	M128A	Z	.514	.514	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	-.284	-.284	0	%100
2	M1	Z	.492	.492	0	%100
3	M2	X	-.193	-.193	0	%100
4	M2	Z	.334	.334	0	%100
5	MP5A	X	-.257	-.257	0	%100
6	MP5A	Z	.445	.445	0	%100
7	MP4A	X	-.257	-.257	0	%100
8	MP4A	Z	.445	.445	0	%100
9	MP3A	X	-.257	-.257	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,%]
10	MP3A	Z	.445	.445	0	%100
11	MP2A	X	-.257	-.257	0	%100
12	MP2A	Z	.445	.445	0	%100
13	MP1A	X	-.257	-.257	0	%100
14	MP1A	Z	.445	.445	0	%100
15	M18	X	-.284	-.284	0	%100
16	M18	Z	.492	.492	0	%100
17	M19	X	-.193	-.193	0	%100
18	M19	Z	.334	.334	0	%100
19	MP5C	X	-.257	-.257	0	%100
20	MP5C	Z	.445	.445	0	%100
21	MP4C	X	-.257	-.257	0	%100
22	MP4C	Z	.445	.445	0	%100
23	MP3C	X	-.257	-.257	0	%100
24	MP3C	Z	.445	.445	0	%100
25	MP2C	X	-.257	-.257	0	%100
26	MP2C	Z	.445	.445	0	%100
27	MP1C	X	-.257	-.257	0	%100
28	MP1C	Z	.445	.445	0	%100
29	M35	X	0	0	0	%100
30	M35	Z	0	0	0	%100
31	M36	X	0	0	0	%100
32	M36	Z	0	0	0	%100
33	MP5B	X	-.257	-.257	0	%100
34	MP5B	Z	.445	.445	0	%100
35	MP4B	X	-.257	-.257	0	%100
36	MP4B	Z	.445	.445	0	%100
37	MP3B	X	-.257	-.257	0	%100
38	MP3B	Z	.445	.445	0	%100
39	MP2B	X	-.257	-.257	0	%100
40	MP2B	Z	.445	.445	0	%100
41	MP1B	X	-.257	-.257	0	%100
42	MP1B	Z	.445	.445	0	%100
43	M52	X	-.217	-.217	0	%100
44	M52	Z	.376	.376	0	%100
45	M53	X	0	0	0	%100
46	M53	Z	0	0	0	%100
47	M54	X	-.217	-.217	0	%100
48	M54	Z	.376	.376	0	%100
49	M58	X	-.096	-.096	0	%100
50	M58	Z	.166	.166	0	%100
51	M59	X	-.096	-.096	0	%100
52	M59	Z	.166	.166	0	%100
53	M60	X	-.384	-.384	0	%100
54	M60	Z	.666	.666	0	%100
55	M63	X	-.496	-.496	0	%100
56	M63	Z	.859	.859	0	%100
57	M64	X	-.496	-.496	0	%100
58	M64	Z	.859	.859	0	%100
59	M81	X	-.496	-.496	0	%100
60	M81	Z	.859	.859	0	%100
61	M82	X	-.496	-.496	0	%100
62	M82	Z	.859	.859	0	%100
63	M85	X	0	0	0	%100
64	M85	Z	0	0	0	%100
65	M86	X	0	0	0	%100
66	M86	Z	0	0	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,%]
67	M91	X	-.175	-.175	0	%100
68	M91	Z	.302	.302	0	%100
69	M92	X	-.175	-.175	0	%100
70	M92	Z	.302	.302	0	%100
71	M80A	X	-.244	-.244	0	%100
72	M80A	Z	.422	.422	0	%100
73	M80B	X	-.244	-.244	0	%100
74	M80B	Z	.422	.422	0	%100
75	M79A	X	-.175	-.175	0	%100
76	M79A	Z	.302	.302	0	%100
77	M80C	X	-.175	-.175	0	%100
78	M80C	Z	.302	.302	0	%100
79	M81B	X	-.244	-.244	0	%100
80	M81B	Z	.422	.422	0	%100
81	M82B	X	-.244	-.244	0	%100
82	M82B	Z	.422	.422	0	%100
83	M85A	X	-.699	-.699	0	%100
84	M85A	Z	1.21	1.21	0	%100
85	M86A	X	-.699	-.699	0	%100
86	M86A	Z	1.21	1.21	0	%100
87	M87	X	0	0	0	%100
88	M87	Z	0	0	0	%100
89	M88	X	0	0	0	%100
90	M88	Z	0	0	0	%100
91	M93	X	-.353	-.353	0	%100
92	M93	Z	.611	.611	0	%100
93	M91A	X	-.635	-.635	0	%100
94	M91A	Z	1.101	1.101	0	%100
95	M93A	X	-.635	-.635	0	%100
96	M93A	Z	1.101	1.101	0	%100
97	M95	X	-.249	-.249	0	%100
98	M95	Z	.431	.431	0	%100
99	M97	X	-.089	-.089	0	%100
100	M97	Z	.154	.154	0	%100
101	M99	X	-.03	-.03	0	%100
102	M99	Z	.053	.053	0	%100
103	M104	X	-.487	-.487	0	%100
104	M104	Z	.843	.843	0	%100
105	M105	X	0	0	0	%100
106	M105	Z	0	0	0	%100
107	M106	X	-.487	-.487	0	%100
108	M106	Z	.843	.843	0	%100
109	M111	X	-6.9e-5	-6.9e-5	0	%100
110	M111	Z	.00012	.00012	0	%100
111	M112	X	-.264	-.264	0	%100
112	M112	Z	.457	.457	0	%100
113	M119	X	-.264	-.264	0	%100
114	M119	Z	.457	.457	0	%100
115	M120	X	-6.9e-5	-6.9e-5	0	%100
116	M120	Z	.00012	.00012	0	%100
117	M127	X	-.272	-.272	0	%100
118	M127	Z	.472	.472	0	%100
119	M128	X	-.272	-.272	0	%100
120	M128	Z	.472	.472	0	%100
121	M128A	X	-.257	-.257	0	%100
122	M128A	Z	.445	.445	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	-.164	-.164	0	%100
2	M1	Z	.095	.095	0	%100
3	M2	X	-.111	-.111	0	%100
4	M2	Z	.064	.064	0	%100
5	MP5A	X	-.445	-.445	0	%100
6	MP5A	Z	.257	.257	0	%100
7	MP4A	X	-.445	-.445	0	%100
8	MP4A	Z	.257	.257	0	%100
9	MP3A	X	-.445	-.445	0	%100
10	MP3A	Z	.257	.257	0	%100
11	MP2A	X	-.445	-.445	0	%100
12	MP2A	Z	.257	.257	0	%100
13	MP1A	X	-.445	-.445	0	%100
14	MP1A	Z	.257	.257	0	%100
15	M18	X	-.656	-.656	0	%100
16	M18	Z	.379	.379	0	%100
17	M19	X	-.445	-.445	0	%100
18	M19	Z	.257	.257	0	%100
19	MP5C	X	-.445	-.445	0	%100
20	MP5C	Z	.257	.257	0	%100
21	MP4C	X	-.445	-.445	0	%100
22	MP4C	Z	.257	.257	0	%100
23	MP3C	X	-.445	-.445	0	%100
24	MP3C	Z	.257	.257	0	%100
25	MP2C	X	-.445	-.445	0	%100
26	MP2C	Z	.257	.257	0	%100
27	MP1C	X	-.445	-.445	0	%100
28	MP1C	Z	.257	.257	0	%100
29	M35	X	-.164	-.164	0	%100
30	M35	Z	.095	.095	0	%100
31	M36	X	-.111	-.111	0	%100
32	M36	Z	.064	.064	0	%100
33	MP5B	X	-.445	-.445	0	%100
34	MP5B	Z	.257	.257	0	%100
35	MP4B	X	-.445	-.445	0	%100
36	MP4B	Z	.257	.257	0	%100
37	MP3B	X	-.445	-.445	0	%100
38	MP3B	Z	.257	.257	0	%100
39	MP2B	X	-.445	-.445	0	%100
40	MP2B	Z	.257	.257	0	%100
41	MP1B	X	-.445	-.445	0	%100
42	MP1B	Z	.257	.257	0	%100
43	M52	X	-.502	-.502	0	%100
44	M52	Z	.29	.29	0	%100
45	M53	X	-.125	-.125	0	%100
46	M53	Z	.072	.072	0	%100
47	M54	X	-.125	-.125	0	%100
48	M54	Z	.072	.072	0	%100
49	M58	X	-.499	-.499	0	%100
50	M58	Z	.288	.288	0	%100
51	M59	X	0	0	0	%100
52	M59	Z	0	0	0	%100
53	M60	X	-.499	-.499	0	%100
54	M60	Z	.288	.288	0	%100
55	M63	X	-.286	-.286	0	%100
56	M63	Z	.165	.165	0	%100
57	M64	X	-.286	-.286	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	M64	Z	.165	.165	0	%100
59	M81	X	-1.145	-1.145	0	%100
60	M81	Z	.661	.661	0	%100
61	M82	X	-1.145	-1.145	0	%100
62	M82	Z	.661	.661	0	%100
63	M85	X	-.286	-.286	0	%100
64	M85	Z	.165	.165	0	%100
65	M86	X	-.286	-.286	0	%100
66	M86	Z	.165	.165	0	%100
67	M91	X	-.907	-.907	0	%100
68	M91	Z	.524	.524	0	%100
69	M92	X	-.907	-.907	0	%100
70	M92	Z	.524	.524	0	%100
71	M80A	X	-.141	-.141	0	%100
72	M80A	Z	.081	.081	0	%100
73	M80B	X	-.141	-.141	0	%100
74	M80B	Z	.081	.081	0	%100
75	M79A	X	0	0	0	%100
76	M79A	Z	0	0	0	%100
77	M80C	X	0	0	0	%100
78	M80C	Z	0	0	0	%100
79	M81B	X	-.563	-.563	0	%100
80	M81B	Z	.325	.325	0	%100
81	M82B	X	-.563	-.563	0	%100
82	M82B	Z	.325	.325	0	%100
83	M85A	X	-.907	-.907	0	%100
84	M85A	Z	.524	.524	0	%100
85	M86A	X	-.907	-.907	0	%100
86	M86A	Z	.524	.524	0	%100
87	M87	X	-.141	-.141	0	%100
88	M87	Z	.081	.081	0	%100
89	M88	X	-.141	-.141	0	%100
90	M88	Z	.081	.081	0	%100
91	M93	X	-.102	-.102	0	%100
92	M93	Z	.059	.059	0	%100
93	M91A	X	-.693	-.693	0	%100
94	M91A	Z	.4	.4	0	%100
95	M93A	X	-.97	-.97	0	%100
96	M93A	Z	.56	.56	0	%100
97	M95	X	-.97	-.97	0	%100
98	M95	Z	.56	.56	0	%100
99	M97	X	-.693	-.693	0	%100
100	M97	Z	.4	.4	0	%100
101	M99	X	-.102	-.102	0	%100
102	M99	Z	.059	.059	0	%100
103	M104	X	-1.124	-1.124	0	%100
104	M104	Z	.649	.649	0	%100
105	M105	X	-.281	-.281	0	%100
106	M105	Z	.162	.162	0	%100
107	M106	X	-.281	-.281	0	%100
108	M106	Z	.162	.162	0	%100
109	M111	X	-.162	-.162	0	%100
110	M111	Z	.094	.094	0	%100
111	M112	X	-.619	-.619	0	%100
112	M112	Z	.357	.357	0	%100
113	M119	X	-.147	-.147	0	%100
114	M119	Z	.085	.085	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,%]
115	M120	X	-.147	-.147	0	%100
116	M120	Z	.085	.085	0	%100
117	M127	X	-.619	-.619	0	%100
118	M127	Z	.357	.357	0	%100
119	M128	X	-.162	-.162	0	%100
120	M128	Z	.094	.094	0	%100
121	M128A	X	-.445	-.445	0	%100
122	M128A	Z	.257	.257	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	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	MP5A	X	-.514	-.514	0	%100
6	MP5A	Z	0	0	0	%100
7	MP4A	X	-.514	-.514	0	%100
8	MP4A	Z	0	0	0	%100
9	MP3A	X	-.514	-.514	0	%100
10	MP3A	Z	0	0	0	%100
11	MP2A	X	-.514	-.514	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-.514	-.514	0	%100
14	MP1A	Z	0	0	0	%100
15	M18	X	-.568	-.568	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	-.385	-.385	0	%100
18	M19	Z	0	0	0	%100
19	MP5C	X	-.514	-.514	0	%100
20	MP5C	Z	0	0	0	%100
21	MP4C	X	-.514	-.514	0	%100
22	MP4C	Z	0	0	0	%100
23	MP3C	X	-.514	-.514	0	%100
24	MP3C	Z	0	0	0	%100
25	MP2C	X	-.514	-.514	0	%100
26	MP2C	Z	0	0	0	%100
27	MP1C	X	-.514	-.514	0	%100
28	MP1C	Z	0	0	0	%100
29	M35	X	-.568	-.568	0	%100
30	M35	Z	0	0	0	%100
31	M36	X	-.385	-.385	0	%100
32	M36	Z	0	0	0	%100
33	MP5B	X	-.514	-.514	0	%100
34	MP5B	Z	0	0	0	%100
35	MP4B	X	-.514	-.514	0	%100
36	MP4B	Z	0	0	0	%100
37	MP3B	X	-.514	-.514	0	%100
38	MP3B	Z	0	0	0	%100
39	MP2B	X	-.514	-.514	0	%100
40	MP2B	Z	0	0	0	%100
41	MP1B	X	-.514	-.514	0	%100
42	MP1B	Z	0	0	0	%100
43	M52	X	-.434	-.434	0	%100
44	M52	Z	0	0	0	%100
45	M53	X	-.434	-.434	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,%]
46	M53	Z	0	0	0	%100
47	M54	X	0	0	0	%100
48	M54	Z	0	0	0	%100
49	M58	X	-.769	-.769	0	%100
50	M58	Z	0	0	0	%100
51	M59	X	-.192	-.192	0	%100
52	M59	Z	0	0	0	%100
53	M60	X	-.192	-.192	0	%100
54	M60	Z	0	0	0	%100
55	M63	X	0	0	0	%100
56	M63	Z	0	0	0	%100
57	M64	X	0	0	0	%100
58	M64	Z	0	0	0	%100
59	M81	X	-.991	-.991	0	%100
60	M81	Z	0	0	0	%100
61	M82	X	-.991	-.991	0	%100
62	M82	Z	0	0	0	%100
63	M85	X	-.991	-.991	0	%100
64	M85	Z	0	0	0	%100
65	M86	X	-.991	-.991	0	%100
66	M86	Z	0	0	0	%100
67	M91	X	-1.397	-1.397	0	%100
68	M91	Z	0	0	0	%100
69	M92	X	-1.397	-1.397	0	%100
70	M92	Z	0	0	0	%100
71	M80A	X	0	0	0	%100
72	M80A	Z	0	0	0	%100
73	M80B	X	0	0	0	%100
74	M80B	Z	0	0	0	%100
75	M79A	X	-.349	-.349	0	%100
76	M79A	Z	0	0	0	%100
77	M80C	X	-.349	-.349	0	%100
78	M80C	Z	0	0	0	%100
79	M81B	X	-.488	-.488	0	%100
80	M81B	Z	0	0	0	%100
81	M82B	X	-.488	-.488	0	%100
82	M82B	Z	0	0	0	%100
83	M85A	X	-.349	-.349	0	%100
84	M85A	Z	0	0	0	%100
85	M86A	X	-.349	-.349	0	%100
86	M86A	Z	0	0	0	%100
87	M87	X	-.488	-.488	0	%100
88	M87	Z	0	0	0	%100
89	M88	X	-.488	-.488	0	%100
90	M88	Z	0	0	0	%100
91	M93	X	-.061	-.061	0	%100
92	M93	Z	0	0	0	%100
93	M91A	X	-.178	-.178	0	%100
94	M91A	Z	0	0	0	%100
95	M93A	X	-.498	-.498	0	%100
96	M93A	Z	0	0	0	%100
97	M95	X	-1.271	-1.271	0	%100
98	M95	Z	0	0	0	%100
99	M97	X	-1.271	-1.271	0	%100
100	M97	Z	0	0	0	%100
101	M99	X	-.705	-.705	0	%100
102	M99	Z	0	0	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,%]
103	M104	X	-.973	-.973	0	%100
104	M104	Z	0	0	0	%100
105	M105	X	-.973	-.973	0	%100
106	M105	Z	0	0	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	0	0	0	%100
109	M111	X	-.545	-.545	0	%100
110	M111	Z	0	0	0	%100
111	M112	X	-.545	-.545	0	%100
112	M112	Z	0	0	0	%100
113	M119	X	-.000139	-.000139	0	%100
114	M119	Z	0	0	0	%100
115	M120	X	-.527	-.527	0	%100
116	M120	Z	0	0	0	%100
117	M127	X	-.527	-.527	0	%100
118	M127	Z	0	0	0	%100
119	M128	X	-.000139	-.000139	0	%100
120	M128	Z	0	0	0	%100
121	M128A	X	-.514	-.514	0	%100
122	M128A	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	-.164	-.164	0	%100
2	M1	Z	-.095	-.095	0	%100
3	M2	X	-.111	-.111	0	%100
4	M2	Z	-.064	-.064	0	%100
5	MP5A	X	-.445	-.445	0	%100
6	MP5A	Z	-.257	-.257	0	%100
7	MP4A	X	-.445	-.445	0	%100
8	MP4A	Z	-.257	-.257	0	%100
9	MP3A	X	-.445	-.445	0	%100
10	MP3A	Z	-.257	-.257	0	%100
11	MP2A	X	-.445	-.445	0	%100
12	MP2A	Z	-.257	-.257	0	%100
13	MP1A	X	-.445	-.445	0	%100
14	MP1A	Z	-.257	-.257	0	%100
15	M18	X	-.164	-.164	0	%100
16	M18	Z	-.095	-.095	0	%100
17	M19	X	-.111	-.111	0	%100
18	M19	Z	-.064	-.064	0	%100
19	MP5C	X	-.445	-.445	0	%100
20	MP5C	Z	-.257	-.257	0	%100
21	MP4C	X	-.445	-.445	0	%100
22	MP4C	Z	-.257	-.257	0	%100
23	MP3C	X	-.445	-.445	0	%100
24	MP3C	Z	-.257	-.257	0	%100
25	MP2C	X	-.445	-.445	0	%100
26	MP2C	Z	-.257	-.257	0	%100
27	MP1C	X	-.445	-.445	0	%100
28	MP1C	Z	-.257	-.257	0	%100
29	M35	X	-.656	-.656	0	%100
30	M35	Z	-.379	-.379	0	%100
31	M36	X	-.445	-.445	0	%100
32	M36	Z	-.257	-.257	0	%100
33	MP5B	X	-.445	-.445	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,%]
34	MP5B	Z	-.257	-.257	0	%100
35	MP4B	X	-.445	-.445	0	%100
36	MP4B	Z	-.257	-.257	0	%100
37	MP3B	X	-.445	-.445	0	%100
38	MP3B	Z	-.257	-.257	0	%100
39	MP2B	X	-.445	-.445	0	%100
40	MP2B	Z	-.257	-.257	0	%100
41	MP1B	X	-.445	-.445	0	%100
42	MP1B	Z	-.257	-.257	0	%100
43	M52	X	-.125	-.125	0	%100
44	M52	Z	-.072	-.072	0	%100
45	M53	X	-.502	-.502	0	%100
46	M53	Z	-.29	-.29	0	%100
47	M54	X	-.125	-.125	0	%100
48	M54	Z	-.072	-.072	0	%100
49	M58	X	-.499	-.499	0	%100
50	M58	Z	-.288	-.288	0	%100
51	M59	X	-.499	-.499	0	%100
52	M59	Z	-.288	-.288	0	%100
53	M60	X	0	0	0	%100
54	M60	Z	0	0	0	%100
55	M63	X	-.286	-.286	0	%100
56	M63	Z	-.165	-.165	0	%100
57	M64	X	-.286	-.286	0	%100
58	M64	Z	-.165	-.165	0	%100
59	M81	X	-.286	-.286	0	%100
60	M81	Z	-.165	-.165	0	%100
61	M82	X	-.286	-.286	0	%100
62	M82	Z	-.165	-.165	0	%100
63	M85	X	-1.145	-1.145	0	%100
64	M85	Z	-.661	-.661	0	%100
65	M86	X	-1.145	-1.145	0	%100
66	M86	Z	-.661	-.661	0	%100
67	M91	X	-.907	-.907	0	%100
68	M91	Z	-.524	-.524	0	%100
69	M92	X	-.907	-.907	0	%100
70	M92	Z	-.524	-.524	0	%100
71	M80A	X	-.141	-.141	0	%100
72	M80A	Z	-.081	-.081	0	%100
73	M80B	X	-.141	-.141	0	%100
74	M80B	Z	-.081	-.081	0	%100
75	M79A	X	-.907	-.907	0	%100
76	M79A	Z	-.524	-.524	0	%100
77	M80C	X	-.907	-.907	0	%100
78	M80C	Z	-.524	-.524	0	%100
79	M81B	X	-.141	-.141	0	%100
80	M81B	Z	-.081	-.081	0	%100
81	M82B	X	-.141	-.141	0	%100
82	M82B	Z	-.081	-.081	0	%100
83	M85A	X	0	0	0	%100
84	M85A	Z	0	0	0	%100
85	M86A	X	0	0	0	%100
86	M86A	Z	0	0	0	%100
87	M87	X	-.563	-.563	0	%100
88	M87	Z	-.325	-.325	0	%100
89	M88	X	-.563	-.563	0	%100
90	M88	Z	-.325	-.325	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,%]
91	M93	X	-.513	-.513	0	%100
92	M93	Z	-.296	-.296	0	%100
93	M91A	X	-.023	-.023	0	%100
94	M91A	Z	-.013	-.013	0	%100
95	M93A	X	-.023	-.023	0	%100
96	M93A	Z	-.013	-.013	0	%100
97	M95	X	-.693	-.693	0	%100
98	M95	Z	-.4	-.4	0	%100
99	M97	X	-.97	-.97	0	%100
100	M97	Z	-.56	-.56	0	%100
101	M99	X	-1.071	-1.071	0	%100
102	M99	Z	-.619	-.619	0	%100
103	M104	X	-.281	-.281	0	%100
104	M104	Z	-.162	-.162	0	%100
105	M105	X	-1.124	-1.124	0	%100
106	M105	Z	-.649	-.649	0	%100
107	M106	X	-.281	-.281	0	%100
108	M106	Z	-.162	-.162	0	%100
109	M111	X	-.619	-.619	0	%100
110	M111	Z	-.357	-.357	0	%100
111	M112	X	-.162	-.162	0	%100
112	M112	Z	-.094	-.094	0	%100
113	M119	X	-.162	-.162	0	%100
114	M119	Z	-.094	-.094	0	%100
115	M120	X	-.619	-.619	0	%100
116	M120	Z	-.357	-.357	0	%100
117	M127	X	-.147	-.147	0	%100
118	M127	Z	-.085	-.085	0	%100
119	M128	X	-.147	-.147	0	%100
120	M128	Z	-.085	-.085	0	%100
121	M128A	X	-.445	-.445	0	%100
122	M128A	Z	-.257	-.257	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	-.284	-.284	0	%100
2	M1	Z	-.492	-.492	0	%100
3	M2	X	-.193	-.193	0	%100
4	M2	Z	-.334	-.334	0	%100
5	MP5A	X	-.257	-.257	0	%100
6	MP5A	Z	-.445	-.445	0	%100
7	MP4A	X	-.257	-.257	0	%100
8	MP4A	Z	-.445	-.445	0	%100
9	MP3A	X	-.257	-.257	0	%100
10	MP3A	Z	-.445	-.445	0	%100
11	MP2A	X	-.257	-.257	0	%100
12	MP2A	Z	-.445	-.445	0	%100
13	MP1A	X	-.257	-.257	0	%100
14	MP1A	Z	-.445	-.445	0	%100
15	M18	X	0	0	0	%100
16	M18	Z	0	0	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	0	0	0	%100
19	MP5C	X	-.257	-.257	0	%100
20	MP5C	Z	-.445	-.445	0	%100
21	MP4C	X	-.257	-.257	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,%]
22	MP4C	Z	-.445	-.445	0	%100
23	MP3C	X	-.257	-.257	0	%100
24	MP3C	Z	-.445	-.445	0	%100
25	MP2C	X	-.257	-.257	0	%100
26	MP2C	Z	-.445	-.445	0	%100
27	MP1C	X	-.257	-.257	0	%100
28	MP1C	Z	-.445	-.445	0	%100
29	M35	X	-.284	-.284	0	%100
30	M35	Z	-.492	-.492	0	%100
31	M36	X	-.193	-.193	0	%100
32	M36	Z	-.334	-.334	0	%100
33	MP5B	X	-.257	-.257	0	%100
34	MP5B	Z	-.445	-.445	0	%100
35	MP4B	X	-.257	-.257	0	%100
36	MP4B	Z	-.445	-.445	0	%100
37	MP3B	X	-.257	-.257	0	%100
38	MP3B	Z	-.445	-.445	0	%100
39	MP2B	X	-.257	-.257	0	%100
40	MP2B	Z	-.445	-.445	0	%100
41	MP1B	X	-.257	-.257	0	%100
42	MP1B	Z	-.445	-.445	0	%100
43	M52	X	0	0	0	%100
44	M52	Z	0	0	0	%100
45	M53	X	-.217	-.217	0	%100
46	M53	Z	-.376	-.376	0	%100
47	M54	X	-.217	-.217	0	%100
48	M54	Z	-.376	-.376	0	%100
49	M58	X	-.096	-.096	0	%100
50	M58	Z	-.166	-.166	0	%100
51	M59	X	-.384	-.384	0	%100
52	M59	Z	-.666	-.666	0	%100
53	M60	X	-.096	-.096	0	%100
54	M60	Z	-.166	-.166	0	%100
55	M63	X	-.496	-.496	0	%100
56	M63	Z	-.859	-.859	0	%100
57	M64	X	-.496	-.496	0	%100
58	M64	Z	-.859	-.859	0	%100
59	M81	X	0	0	0	%100
60	M81	Z	0	0	0	%100
61	M82	X	0	0	0	%100
62	M82	Z	0	0	0	%100
63	M85	X	-.496	-.496	0	%100
64	M85	Z	-.859	-.859	0	%100
65	M86	X	-.496	-.496	0	%100
66	M86	Z	-.859	-.859	0	%100
67	M91	X	-.175	-.175	0	%100
68	M91	Z	-.302	-.302	0	%100
69	M92	X	-.175	-.175	0	%100
70	M92	Z	-.302	-.302	0	%100
71	M80A	X	-.244	-.244	0	%100
72	M80A	Z	-.422	-.422	0	%100
73	M80B	X	-.244	-.244	0	%100
74	M80B	Z	-.422	-.422	0	%100
75	M79A	X	-.699	-.699	0	%100
76	M79A	Z	-1.21	-1.21	0	%100
77	M80C	X	-.699	-.699	0	%100
78	M80C	Z	-1.21	-1.21	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,%]
79	M81B	X	0	0	0	%100
80	M81B	Z	0	0	0	%100
81	M82B	X	0	0	0	%100
82	M82B	Z	0	0	0	%100
83	M85A	X	-.175	-.175	0	%100
84	M85A	Z	-.302	-.302	0	%100
85	M86A	X	-.175	-.175	0	%100
86	M86A	Z	-.302	-.302	0	%100
87	M87	X	-.244	-.244	0	%100
88	M87	Z	-.422	-.422	0	%100
89	M88	X	-.244	-.244	0	%100
90	M88	Z	-.422	-.422	0	%100
91	M93	X	-.59	-.59	0	%100
92	M93	Z	-1.022	-1.022	0	%100
93	M91A	X	-.249	-.249	0	%100
94	M91A	Z	-.431	-.431	0	%100
95	M93A	X	-.089	-.089	0	%100
96	M93A	Z	-.154	-.154	0	%100
97	M95	X	-.089	-.089	0	%100
98	M95	Z	-.154	-.154	0	%100
99	M97	X	-.249	-.249	0	%100
100	M97	Z	-.431	-.431	0	%100
101	M99	X	-.59	-.59	0	%100
102	M99	Z	-1.022	-1.022	0	%100
103	M104	X	0	0	0	%100
104	M104	Z	0	0	0	%100
105	M105	X	-.487	-.487	0	%100
106	M105	Z	-.843	-.843	0	%100
107	M106	X	-.487	-.487	0	%100
108	M106	Z	-.843	-.843	0	%100
109	M111	X	-.264	-.264	0	%100
110	M111	Z	-.457	-.457	0	%100
111	M112	X	-6.9e-5	-6.9e-5	0	%100
112	M112	Z	-.00012	-.00012	0	%100
113	M119	X	-.272	-.272	0	%100
114	M119	Z	-.472	-.472	0	%100
115	M120	X	-.272	-.272	0	%100
116	M120	Z	-.472	-.472	0	%100
117	M127	X	-6.9e-5	-6.9e-5	0	%100
118	M127	Z	-.00012	-.00012	0	%100
119	M128	X	-.264	-.264	0	%100
120	M128	Z	-.457	-.457	0	%100
121	M128A	X	-.257	-.257	0	%100
122	M128A	Z	-.445	-.445	0	%100

Member Distributed Loads (BLC 81 : BLC 39 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M127	Y	-.622	-5.011	0	1.02
2	M127	Y	-5.011	-9.026	1.02	2.041
3	M127	Y	-9.026	-7.89	2.041	3.061
4	M127	Y	-7.89	-2.154	3.061	4.081
5	M128	Y	-2.276	-4.352	0	.816
6	M128	Y	-4.352	-6.355	.816	1.632
7	M128	Y	-6.355	-7.931	1.632	2.449
8	M128	Y	-7.931	-7.05	2.449	3.265
9	M128	Y	-7.05	-4.063	3.265	4.081

Member Distributed Loads (BLC 81 : BLC 39 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
10	M111	Y	-.622	-5.011	0	1.02
11	M111	Y	-5.011	-9.026	1.02	2.041
12	M111	Y	-9.026	-7.89	2.041	3.061
13	M111	Y	-7.89	-2.154	3.061	4.081
14	M112	Y	-2.276	-4.352	0	.816
15	M112	Y	-4.352	-6.355	.816	1.632
16	M112	Y	-6.355	-7.931	1.632	2.449
17	M112	Y	-7.931	-7.05	2.449	3.265
18	M112	Y	-7.05	-4.063	3.265	4.081
19	M119	Y	-.622	-5.011	0	1.02
20	M119	Y	-5.011	-9.026	1.02	2.041
21	M119	Y	-9.026	-7.89	2.041	3.061
22	M119	Y	-7.89	-2.154	3.061	4.081
23	M120	Y	-2.276	-4.352	0	.816
24	M120	Y	-4.352	-6.355	.816	1.632
25	M120	Y	-6.355	-7.931	1.632	2.449
26	M120	Y	-7.931	-7.05	2.449	3.265
27	M120	Y	-7.05	-4.063	3.265	4.081

Member Distributed Loads (BLC 82 : BLC 40 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M127	Y	-1.243	-10.023	0	1.02
2	M127	Y	-10.023	-18.052	1.02	2.041
3	M127	Y	-18.052	-15.779	2.041	3.061
4	M127	Y	-15.779	-4.308	3.061	4.081
5	M128	Y	-4.552	-8.705	0	.816
6	M128	Y	-8.705	-12.71	.816	1.632
7	M128	Y	-12.71	-15.862	1.632	2.449
8	M128	Y	-15.862	-14.099	2.449	3.265
9	M128	Y	-14.099	-8.126	3.265	4.081
10	M111	Y	-1.243	-10.023	0	1.02
11	M111	Y	-10.023	-18.052	1.02	2.041
12	M111	Y	-18.052	-15.779	2.041	3.061
13	M111	Y	-15.779	-4.308	3.061	4.081
14	M112	Y	-4.552	-8.705	0	.816
15	M112	Y	-8.705	-12.71	.816	1.632
16	M112	Y	-12.71	-15.862	1.632	2.449
17	M112	Y	-15.862	-14.099	2.449	3.265
18	M112	Y	-14.099	-8.126	3.265	4.081
19	M119	Y	-1.243	-10.023	0	1.02
20	M119	Y	-10.023	-18.052	1.02	2.041
21	M119	Y	-18.052	-15.779	2.041	3.061
22	M119	Y	-15.779	-4.308	3.061	4.081
23	M120	Y	-4.552	-8.705	0	.816
24	M120	Y	-8.705	-12.71	.816	1.632
25	M120	Y	-12.71	-15.862	1.632	2.449
26	M120	Y	-15.862	-14.099	2.449	3.265
27	M120	Y	-14.099	-8.126	3.265	4.081

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[psf]
1	N189	N194	N193	N188	Y	Two Way	-5
2	N170	N171	N176	N175	Y	Two Way	-5
3	N180	N185	N184	N179	Y	Two Way	-5

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[psf]
1	N189	N194	N193	N188	Y	Two Way	-10
2	N170	N171	N176	N175	Y	Two Way	-10
3	N180	N185	N184	N179	Y	Two Way	-10

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	N117A	max	1004.712	10	2497.798	13	2017.769	1	5.496	1	.903	4	.229	4
2		min	-1001.324	4	-141.042	7	-2143.308	7	-2.001	7	-.867	10	-.239	10
3	N119	max	1775.844	9	2490.118	21	1275.364	1	.856	3	.886	12	1.448	3
4		min	-1890.969	3	-37.286	3	-1229.235	7	-2.621	9	-.875	6	-4.507	9
5	N121	max	1924.535	11	2600.204	17	1462.112	1	1.078	11	1.005	8	4.927	5
6		min	-1811.187	5	-68.505	11	-1382.69	7	-2.831	5	-.997	2	-1.879	11
7	Totals:	max	4595.099	10	6773.605	20	4755.245	1						
8		min	-4595.098	4	3144.437	2	-4755.234	7						

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

	Member	Shape	Code ...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [...	phi*Pnt [l...	phi*Mn y...	phi*Mn z...	Cb	Eqn
1	MP3C	PIPE_2.0	.436	4.688	6	.155	1.25		1	20866.733	32130	1.872	1.872	1....	H1-1b
2	M53	L2.5x2.5x4	.435	0	7	.096	.01	z	8	37502.553	38556	1.114	2.537	1....	H2-1
3	M52	L2.5x2.5x4	.433	.921	11	.101	0	y	12	37502.553	38556	1.114	2.537	1....	H2-1
4	MP2C	PIPE_2.0	.424	6.5	5	.152	3.167		3	14916.096	32130	1.872	1.872	2....	H1-1b
5	MP2B	PIPE_2.0	.414	6.5	1	.163	6.5		11	14916.096	32130	1.872	1.872	2....	H1-1b
6	MP4C	PIPE_2.0	.407	4.5	1	.157	4.5		3	20866.733	32130	1.872	1.872	1....	H1-1b
7	MP3A	PIPE_2.0	.405	4.688	10	.155	1.25		5	20866.733	32130	1.872	1.872	1....	H1-1b
8	MP4A	PIPE_2.0	.404	4.5	5	.173	4.5		7	20866.733	32130	1.872	1.872	1....	H1-1b
9	MP3B	PIPE_2.0	.404	4.688	2	.155	1.25		1	20866.733	32130	1.872	1.872	1....	H1-1b
10	M54	L2.5x2.5x4	.399	.921	11	.095	0	z	4	37502.553	38556	1.114	2.537	1....	H2-1
11	MP2A	PIPE_2.0	.389	6.5	9	.161	6.5		7	14916.096	32130	1.872	1.872	1....	H1-1b
12	MP4B	PIPE_2.0	.383	4.5	9	.174	4.5		11	20866.733	32130	1.872	1.872	1....	H1-1b
13	M60	HSS4X4X4	.360	5.187	5	.081	5.187	y	31	124657....	139518	16.181	16.181	2....	H1-1b
14	M58	HSS4X4X4	.348	5.188	1	.067	5.188	y	24	124657....	139518	16.181	16.181	2....	H1-1b
15	M19	PIPE_2.0	.344	1.172	7	.173	11.198		3	6295.422	32130	1.872	1.872	1....	H1-1b
16	M2	PIPE_2.0	.340	1.172	11	.209	11.198		7	6295.422	32130	1.872	1.872	1....	H1-1b
17	MP1C	PIPE_2.0	.336	4.5	5	.213	1.125		4	20866.733	32130	1.872	1.872	1....	H1-1b
18	MP1B	PIPE_2.0	.335	4.5	1	.230	1.125		12	20866.733	32130	1.872	1.872	1....	H1-1b
19	M59	HSS4X4X4	.330	5.187	9	.080	5.187	y	32	124657....	139518	16.181	16.181	2....	H1-1b
20	MP5C	PIPE_2.0	.323	4.5	1	.211	1.125		2	20866.733	32130	1.872	1.872	1....	H1-1b
21	MP5A	PIPE_2.0	.323	4.5	5	.220	1.125		6	20866.733	32130	1.872	1.872	1....	H1-1b
22	M36	PIPE_2.0	.316	11.328	7	.207	11.198		11	6295.422	32130	1.872	1.872	1....	H1-1b
23	MP1A	PIPE_2.0	.313	4.5	9	.231	1.125		7	20866.733	32130	1.872	1.872	1....	H1-1b
24	MP5B	PIPE_2.0	.308	4.5	9	.218	1.125		10	20866.733	32130	1.872	1.872	1....	H1-1b
25	M79A	PL3/8x6	.270	.11	12	.268	.11	y	13	72336.094	72900	.57	9.113	1....	H1-1b
26	M80C	PL3/8x6	.269	.11	6	.265	.11	y	17	72336.094	72900	.57	9.113	1....	H1-1b
27	M86A	PL3/8x6	.265	.11	2	.256	.11	y	13	72336.094	72900	.57	9.113	1....	H1-1b
28	M91	PL3/8x6	.264	.11	4	.267	.11	y	17	72336.094	72900	.57	9.113	1....	H1-1b
29	M92	PL3/8x6	.261	.11	10	.259	.11	y	21	72336.094	72900	.57	9.113	1....	H1-1b
30	M85A	PL3/8x6	.255	.11	8	.262	.11	y	21	72336.094	72900	.57	9.113	1....	H1-1b
31	M105	PL1/2x6	.219	.469	6	.106	.469	y	7	70582.642	97200	1.012	12.15	1....	H1-1b
32	M106	PL1/2x6	.211	.469	12	.107	.469	y	11	70582.642	97200	1.012	12.15	1....	H1-1b
33	M128A	PIPE_2.0	.206	4.531	7	.013	4.531		7	23808.54	32130	1.872	1.872	1....	H1-1b
34	M104	PL1/2x6	.203	.469	10	.113	.469	y	12	70582.642	97200	1.012	12.15	1....	H1-1b
35	M85	PL3/8x6	.180	0	7	.391	.167	y	24	71601.728	72900	.57	9.113	1....	H1-1b
36	M64	PL3/8x6	.180	0	11	.388	.167	y	17	71601.728	72900	.57	9.113	1....	H1-1b
37	M82	PL3/8x6	.179	.167	5	.389	.167	y	13	71601.728	72900	.57	9.113	1....	H1-1b

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

	Member	Shape	Code ...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [...	phi*Pnt [l...	phi*Mn y...	phi*Mn z...	Cb	Eqn
38	M81	PL3/8x6	.175	0	11	.384	.167	y	17	71601.728	72900	.57	9.113	1....	H1-1b
39	M86	PL3/8x6	.175	.167	12	.390	.167	y	22	71601.728	72900	.57	9.113	1....	H1-1b
40	M80A	HSS4X4X4	.171	0	24	.048	0	y	13	136286....	139518	16.181	16.181	1....	H1-1b
41	M81B	HSS4X4X4	.170	0	20	.048	0	y	21	136286....	139518	16.181	16.181	1....	H1-1b
42	M63	PL3/8x6	.170	.167	6	.390	.167	y	20	71601.728	72900	.57	9.113	1....	H1-1b
43	M80B	HSS4X4X4	.170	0	14	.048	0	y	13	136286....	139518	16.181	16.181	1....	H1-1b
44	M88	HSS4X4X4	.170	0	18	.048	0	y	17	136286....	139518	16.181	16.181	1....	H1-1b
45	M82B	HSS4X4X4	.169	0	22	.049	0	y	21	136286....	139518	16.181	16.181	1....	H1-1b
46	M87	HSS4X4X4	.167	0	16	.047	0	y	17	136286....	139518	16.181	16.181	1....	H1-1b
47	M35	PIPE_3.0	.138	4.948	12	.098	8.984		11	28250.554	65205	5.749	5.749	1....	H1-1b
48	M1	PIPE_3.0	.137	7.552	6	.098	8.984		7	28250.554	65205	5.749	5.749	2....	H1-1b
49	M18	PIPE_3.0	.132	7.552	2	.093	4.948		5	28250.554	65205	5.749	5.749	2....	H1-1b
50	M111	L2x2x3	.118	1.53	12	.012	0	z	22	10155.239	23392.8	.558	1.168	1....	H2-1
51	M127	L2x2x3	.112	1.573	4	.012	0	z	13	10155.239	23392.8	.558	1.17	1....	H2-1
52	M119	L2x2x3	.110	1.573	8	.012	0	z	18	10155.239	23392.8	.558	1.168	1....	H2-1
53	M99	PL1/2x6	.110	.416	9	.045	0	y	7	91275.02	97200	1.012	12.15	2....	H1-1b
54	M93	PL1/2x6	.110	.416	9	.060	0	y	47	91275.02	97200	1.012	12.15	2....	H1-1b
55	M93A	PL1/2x6	.096	.243	6	.050	0	y	6	95131.184	97200	1.012	12.15	1....	H1-1b
56	M95	PL1/2x6	.096	.243	12	.052	0	y	12	95131.184	97200	1.012	12.15	1....	H1-1b
57	M97	PL1/2x6	.095	.243	1	.047	0	y	2	95131.184	97200	1.012	12.15	2....	H1-1b
58	M91A	PL1/2x6	.094	.243	5	.046	0	y	4	95131.184	97200	1.012	12.15	1....	H1-1b
59	M128	L2x2x3	.093	0	7	.012	4.081	y	21	10155.239	23392.8	.558	1.135	1....	H2-1
60	M112	L2x2x3	.088	0	3	.012	4.081	y	17	10155.239	23392.8	.558	1.135	1....	H2-1
61	M120	L2x2x3	.086	0	24	.012	4.081	y	13	10155.239	23392.8	.558	1.081	1....	H2-1

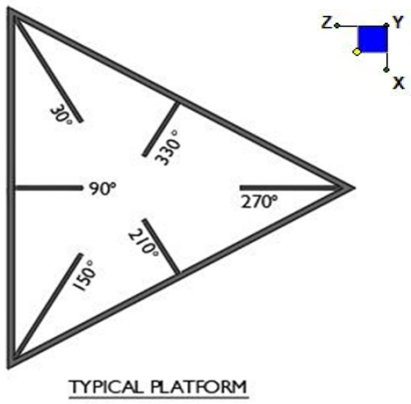
Client:	Verizon	Date:	8/9/2021
Site Name:	Hamden North 2 CT		
Project No.	21781085		
Title:	Mount ReAnalysis	Page:	1

Version 3.

I. Mount-to-Tower Connection Check

RISA Model Data

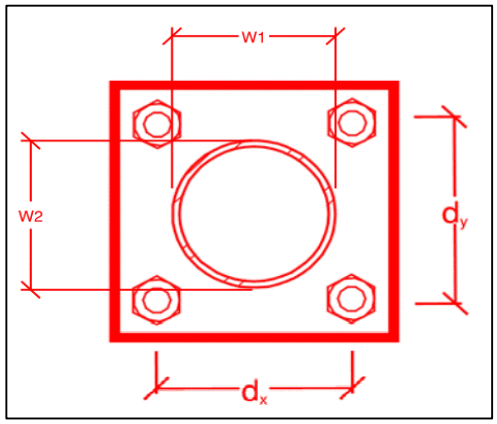
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N117A	270
N119	30
N121	150



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:	yes
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 (kips):	21.6
Required Shear Strength (kips):	3.4
Tensile Strength / bolt (kips):	20.7
Shear Strength / bolt (kips):	12.4
Tensile Capacity Overall:	**26.0%***
Shear Capacity Overall:	**6.9%**



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

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Rect
Plate Width (in):	10
Plate Height (in):	10
W1 (in):	4
W2 (in):	4
Fy (ksi, plate):	36
t_{Plate} (in):	0.75
Weld Size (1/16 in):	3
Phi*Rn (kip/in):	4.18
Required Weld Strength (kip/in):	3.33
Plate Bending Capacity:	**35.6%**
Weld Capacity:	**79.7%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)* :	16.2
$Phi*Mn_{xx}$ *(kip-in)* :	45.6
Mu_{yy} *(kip-in)* :	0.1
$Phi*Mn_{yy}$ *(kip-in)* :	45.6

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

Purpose – to provide Maser Consulting Connecticut 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:

- Any special photos outside of the standard requirements will be indicated on the passing MA
- Verification that loading is as communicated in the Passing Mount Analysis. NOTE If loading is different than what is conveyed contact Maser Consulting Connecticut immediately.
- Each photo should be time and date stamped
- Photos should be high resolution and submitted in a Zip File and should be organized in the file structure as depicted in Schedule A attached.
- 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.
- The photos in the file structure should be uploaded to ***https://pmi.vzwsmart.com*** as depicted on the drawings

Photo Requirements:

- *Base and "During Installation Photos"*
  - Base pictures include
    - Photo of Gate Signs showing the tower owner, site name, and number
    - Photo of carrier shelter showing the carrier site name and number if available
    - Photos of the galvanizing compound and/or paint used (if applicable), clearly showing the label and name
  - "During Installation Photos if provided - must be placed only in this folder
- *Photos taken at ground level*
  - Overall tower structure before and after installation of the equipment modifications
  - Photos of the appropriate mount before and after installation of the modifications; if the mounts are at different rad elevations, pictures must be provided for all elevations that the modifications were installed
- *Photos taken at Mount Elevation*
  - Photos showing each individual sector before and also after installation of equipment.

- These photos should also certify that the placement and geometry of the equipment on the mount is as depicted on the sketch and table in the mount analysis
- Photos showing the safety climb wire rope above and below the mount prior to modification.
- Photos showing the climbing facility and safety climb if present.

Antenna & equipment placement and Geometry Confirmation:

- The contractor must certify that the antenna & equipment placement and geometry is in accordance with the antenna placement diagrams as included in this mount analysis.

☐ The contractor certifies that the photos support and the equipment on the mount is as depicted on the antenna placement diagrams as included in this mount analysis.

☐ The contractor notes that the equipment on the mount is not in accordance with the antenna placement diagrams and has accordingly marked up the diagrams or provided a diagram outlining the differences.

Certifying Individual: Company _____

Name _____

Signature _____

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

Issue:

Contractor is to relocate existing RRU from position 2 to position 3. Contractor is to install safety climb cable guide (SitePro1, Part #: 120-203-317 or EOR approved equivalent) in locations where wire rope is rubbing against the mount to tower attachments. Contractor to provided photos of safety climb cable guide installation. Contractor is to install missing Step Pegs as reported in the mapping notes.

Response:

Schedule A – Photo & Document File Structure

- VzW Site Number / Name
  - Base & “During Installation” Photos
  - Pre-Installation Photos
    - Alpha
    - Beta
    - Gamma
    - Ground Level
    - Tape Drop
  - Post-Installation Photos
    - Alpha
    - Beta
    - Gamma
    - Ground Level
    - Tape Drop
    - Photos of climbing facility and safety climb – If Present
  - Certifications – Submission of this document including certifications
  - Specific Required Additional Photos

Structure: 467707-VZW - NE HAMDEN NORTH 2

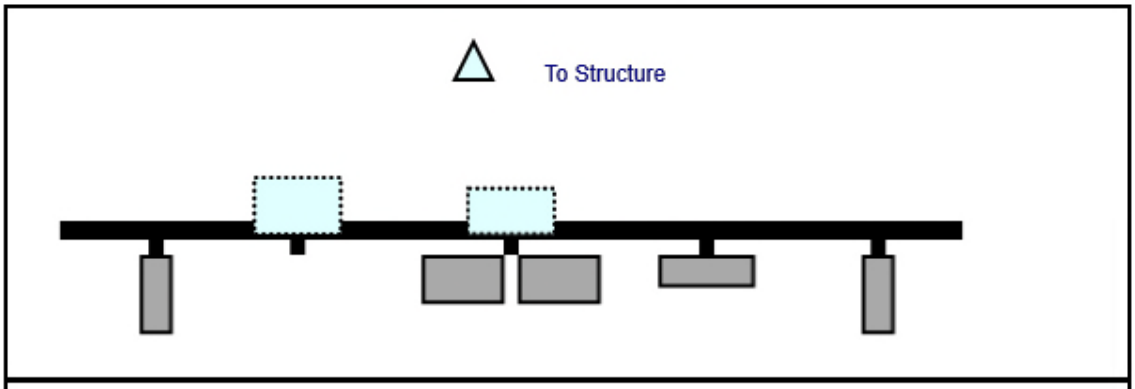
Sector: **A** 8/9/2021

Structure Type: Monopole 10093751

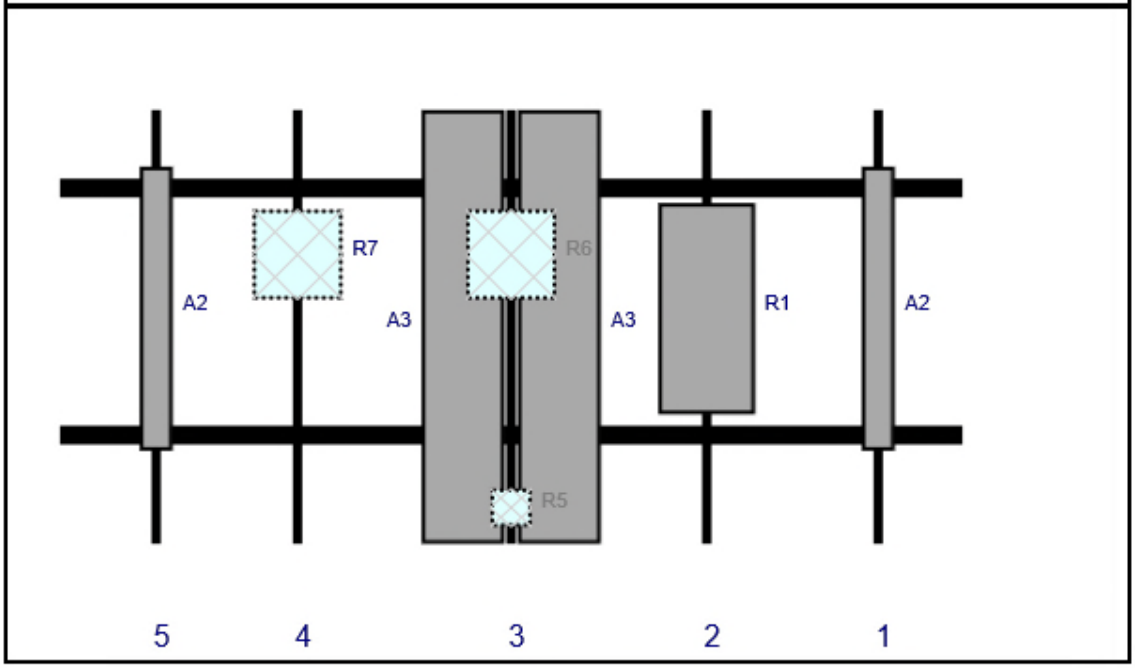
Mount Elev: 147.00 Page: 1

MASER CONSULTING — CONNECTICUT —

Plan View



Front View
Looking at Structure

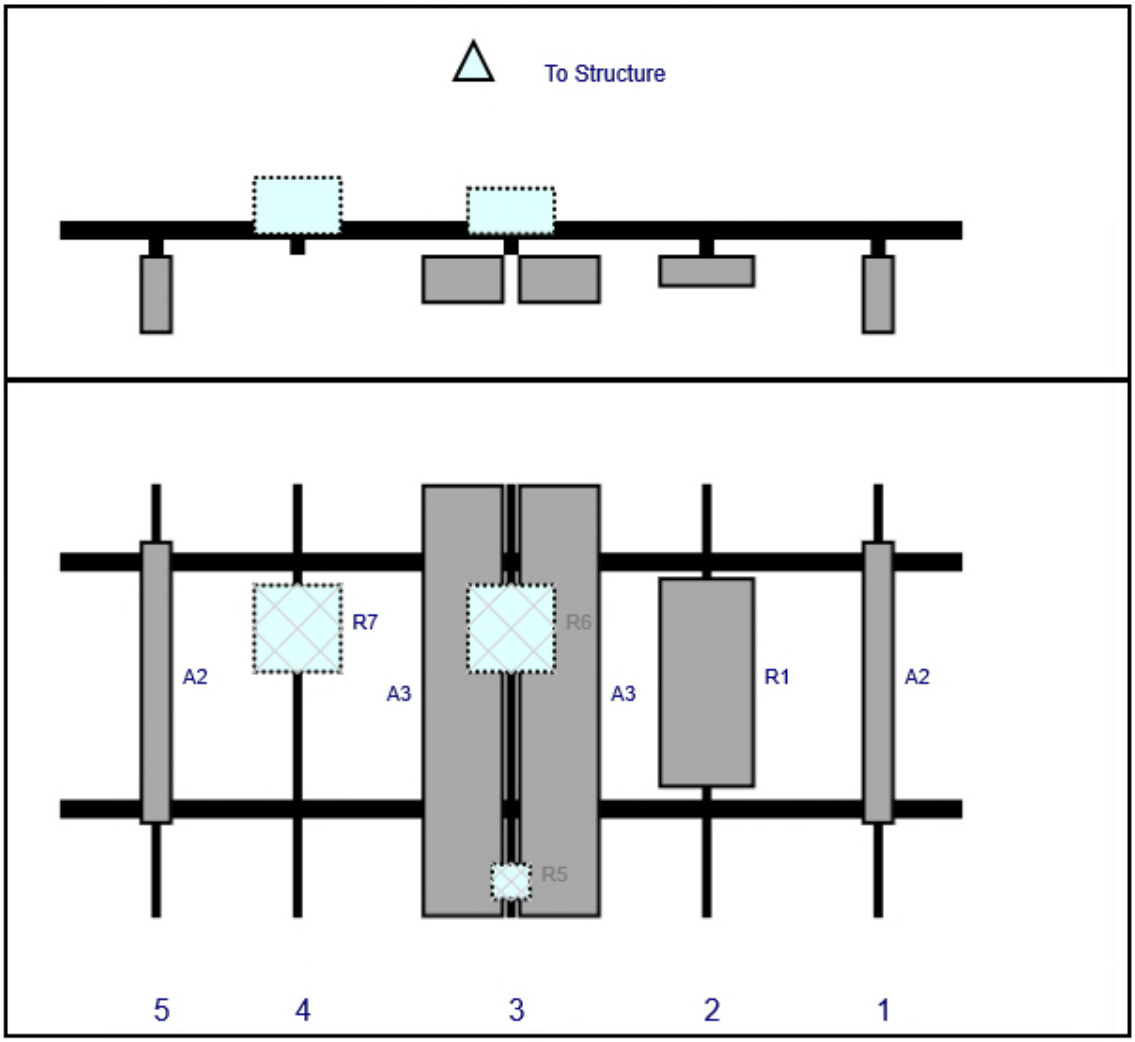


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A2	LPA-80080-4CF-EDIN-6	47.2	5.5	136	1	a	Front	33	0	Retained	04/20/2020
R1	MT6407-77A	35.1	16.1	107.5	2	a	Front	33	0	Added	
A3	JAHH-65B-R3B	72	13.8	75	3	a	Front	36	8	Retained	04/20/2020
A3	JAHH-65B-R3B	72	13.8	75	3	b	Front	36	-8	Retained	04/20/2020
R5	CBC78T-DS-43	6.4	6.9	75	3	a	Behind	66	0	Retained	
R6	B2/B66A	15	15	75	3	a	Behind	24	0	Retained	
R7	B5/B13 RRH	15	15	39.5	4	a	Behind	24	0	Retained	
A2	LPA-80080-4CF-EDIN-6	47.2	5.5	16	5	a	Front	33	0	Retained	04/20/2020

MASER CONSULTING — CONNECTICUT —

Plan View

Front View
Looking at Structure

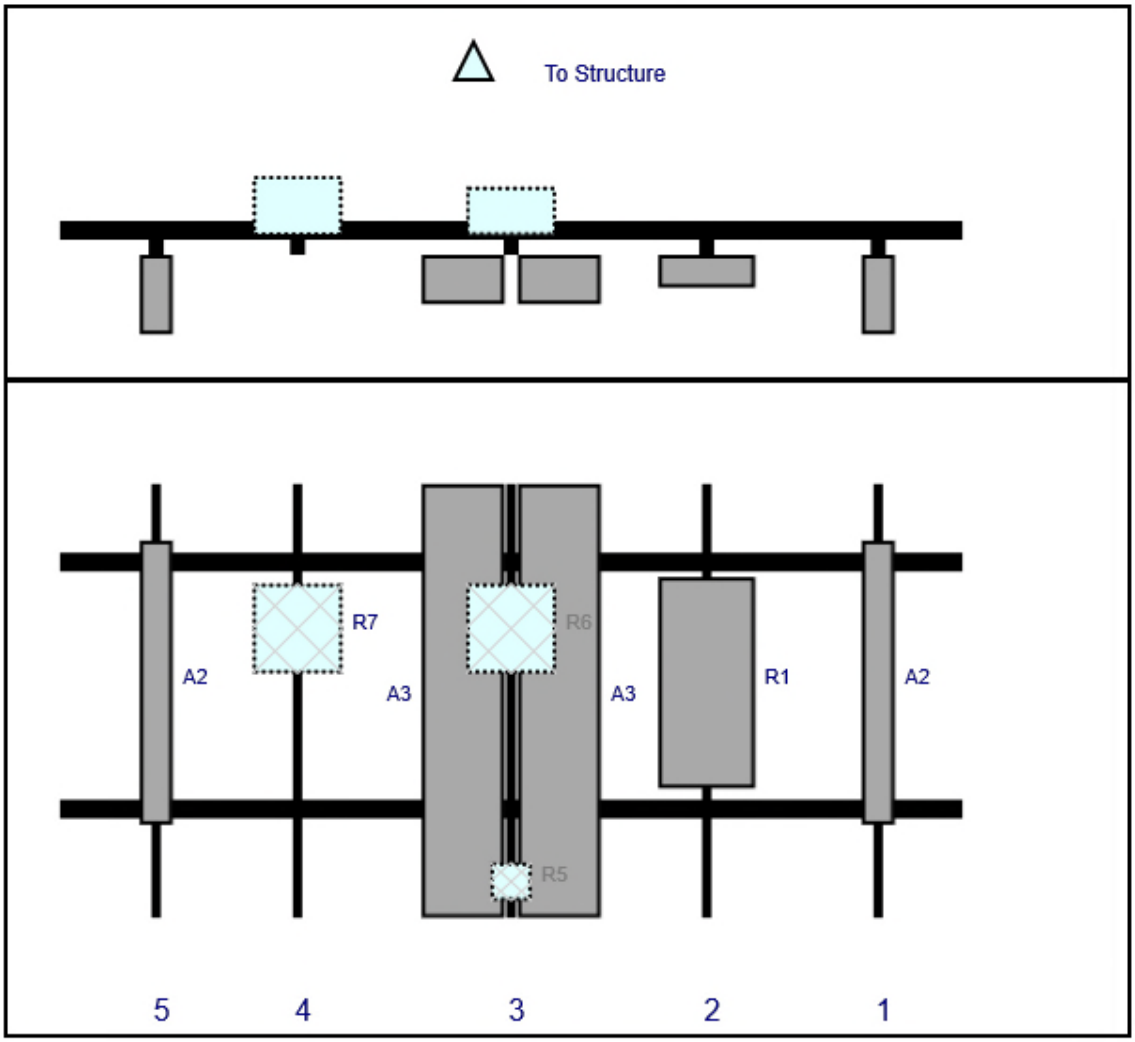


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A2	LPA-80080-4CF-EDIN-6	47.2	5.5	136	1	a	Front	33	0	Retained	04/20/2020
R1	MT6407-77A	35.1	16.1	107.5	2	a	Front	33	0	Added	
A3	JAHH-65B-R3B	72	13.8	75	3	a	Front	36	8	Retained	04/20/2020
A3	JAHH-65B-R3B	72	13.8	75	3	b	Front	36	-8	Retained	04/20/2020
R5	CBC78T-DS-43	6.4	6.9	75	3	a	Behind	66	0	Retained	
R6	B2/B66A	15	15	75	3	a	Behind	24	0	Retained	
R7	B5/B13 RRH	15	15	39.5	4	a	Behind	24	0	Retained	
A2	LPA-80080-4CF-EDIN-6	47.2	5.5	16	5	a	Front	33	0	Retained	04/20/2020

MASER CONSULTING — CONNECTICUT —

Plan View

Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A2	LPA-80080-4CF-EDIN-6	47.2	5.5	136	1	a	Front	33	0	Retained	04/20/2020
R1	MT6407-77A	35.1	16.1	107.5	2	a	Front	33	0	Added	
A3	JAHH-65B-R3B	72	13.8	75	3	a	Front	36	8	Retained	04/20/2020
A3	JAHH-65B-R3B	72	13.8	75	3	b	Front	36	-8	Retained	04/20/2020
R5	CBC78T-DS-43	6.4	6.9	75	3	a	Behind	66	0	Retained	
R6	B2/B66A	15	15	75	3	a	Behind	24	0	Retained	
R7	B5/B13 RRH	15	15	39.5	4	a	Behind	24	0	Retained	
A2	LPA-80080-4CF-EDIN-6	47.2	5.5	16	5	a	Front	33	0	Retained	04/20/2020

Maser Consulting Connecticut

MASER CONSULTING — CONNECTICUT —

Subject:	*TIA-222-H Usage*	
Site Information	*Site ID:*	*467707-VZW / Hamden North 2 CT*
	Site Name:	*Hamden North 2 CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*150 Willow Street* *Hamden, Connecticut 06518* *New Haven County*
	Latitude:	*41.449392°*
	Longitude:	*-72.904572°*
Structure Information	*Tower Type:*	*Monopole*
	Mount Type:	*12.50-Ft Platform*

To Whom It May Concern,

We respectfully submit the above referenced Antenna Mount Structural Analysis report in conformance with ANSI/TIA-222-H, Structural Standard for Antenna Supporting Structures and Antennas and Small Wind Turbine Support Structures.

The 2015 International Building Code states that, in Section 3108, telecommunication towers shall be designed and constructed in accordance with the provisions of TIA-222. The TIA-222-H is the latest revision of the TIA-222 Standard, effective as of January 01, 2018.

As with all ANSI standards and engineering best practice is to apply the most current revision of the standard. This ensures the engineer is applying all updates. As an example, the TIA-222-H standard includes updates to bring it in line with the latest AISC and ACI standards and it also incorporates the latest wind speed map by ASCE 7 based on updated studies of the wind data.

The TIA-222-H standard clarifies these specific requirements for the antenna mount analysis such as modeling method, seismic analysis, 30-degree increment wind direction and maintenance loading. Therefore, it is our opinion that TIA-222-H is the most appropriate standard for antenna mount structural analysis and is acceptable for use at this site to ensure the engineer is taking into account the most current engineering standard available.

Sincerely,

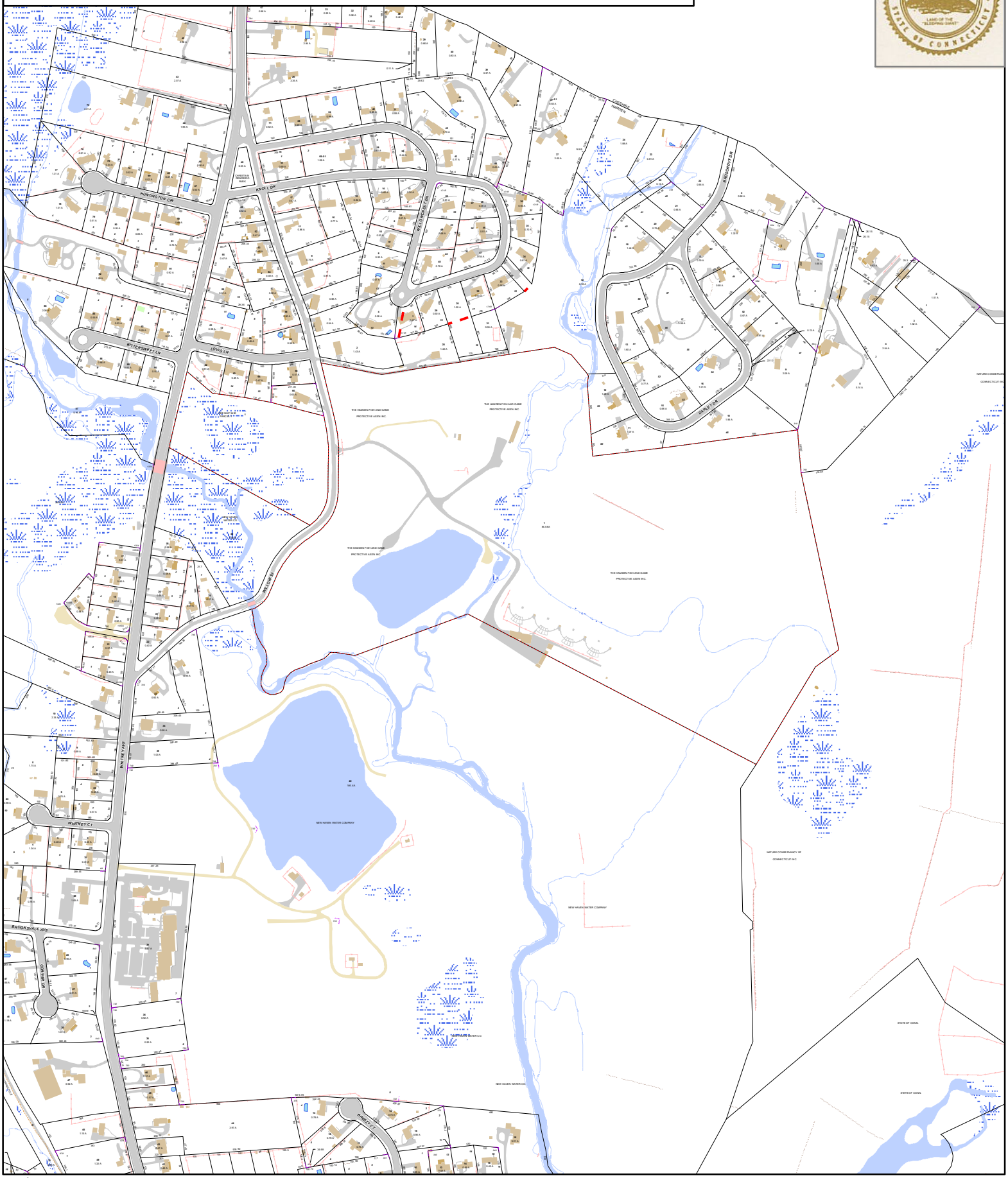
Dejian Xu

Dejian Xu, PE
Technical Manager

ATTACHMENT 5

Town of Hamden, Connecticut - Assessment Parcel Map

Parcel: 3430-001-00-0000 Address: 150 WILLOW ST



N

Approximate Scale: 1 inch = 600 feet

0 300 600 900 1,200 Feet

Map Produced: October 2020

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

Town of Hamden, CT

Property Listing Report

Map Block Lot: **3430-001-00-0000**

Account:

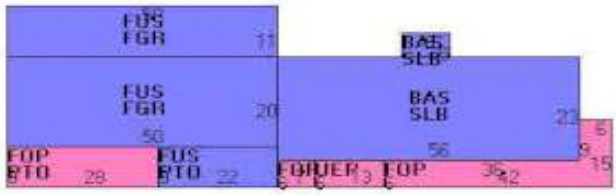
Property Information

Property Location	150 WILLOW ST
Owner	HAMDEN FISH & GAME PROTECTIVE AS
Co-Owner	
Mailing Address	P O BOX 5619 HAMDEN CT 06518-0619
Land Use	3850 FISH&GAME
Land Class	C
Zoning Code	T1
Census Tract	2
Sub Lot	
Neighborhood	130
Acreage	85.58
Lot Setting/Desc	Suburban Level
Survey Map	
Utilities	Public Water,Public Sewer,Gas/Electric
Additional Info	

Photo

3430-001-00-0000 04/23/2015

Sketch



Primary Construction Details

Year Built	1900
Stories	2
Building Style	Clubs/Lodges
Building Use	Comm/Ind
Building Condition	C
Floors	Vinyl/Asphalt
Total Rooms	

Bedrooms	
Full Bathrooms	
Half Bathrooms	
Bath Style	
Kitchen Style	
Roof Style	Gable/Hip
Roof Cover	Asphalt

Exterior Walls	Vinyl Siding
Interior Walls	K PINE/A WD
Heating Type	Forced Air-Duc
Heating Fuel	Oil
AC Type	
Gross Bldg Area	5759
Total Living Area	3081

Report Created On 1/31/2022

Town of Hamden, CT

Property Listing Report | Map Block Lot **3430-001-00-0000** | Account

Valuation Summary

(Assessed value = 70% of Appraised Value)

Item	Appraised	Assessed
Buildings	164900	115430
Extras	5300	3710
Outbuildings	17000	11900
Land	1172000	288530
Total	1359200	419570

Outbuilding and Extra Items

Type	Description
FIREPLACE AVG	1.00 UNITS
SHED FRAME	740.00 S.F.
SHED COM MAS	64.00 S.F.
SHED COM MAS	360.00 S.F.
AIR CONDITIONING	1288.00 S.F.
FIREPLACE	1.00 UNITS
W/LOFT-AVG	576.00 S.F

Sub Areas

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
Upper Story, Finished	1748	1748
Garage	1550	0
Porch, Open	600	0
First Floor	1333	1333
Slab	0	0
Patio	450	0
Enclosed Porch, Unfinished	78	0
Total Area	5759	3081

Sales History

Owner of Record	Book/ Page	Sale Date	Sale Price
HAMDEN FISH & GAME PROTECTIVE AS	232/ 49	10/10/1945	0

Report Created On **1/31/2022**

ATTACHMENT 6

HAMDEN NORTH 2

UNITED STATES POSTAL SERVICE®

Certificate of Mailing — Firm

Name and Address of Sender	TOTAL NO. of Pieces Listed by Sender	TOTAL NO. of Pieces Received at Post Office™	Affix Stamp Here *Postmark with Date of Receipt.*
Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103		3	neopost 02/01/2022 US POSTAGE $002.99 ZIP 06103 041L12203937
	Postmaster, per *(name of receiving employee)*		

USPS® Tracking Number / Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	Lauren Garrett, Mayor Town of Hamden ~~Government Center~~ 2750 Dixwell Avenue Hamden, CT 06518				
2.	Erik Johnson, Acting Town Planner Town of Hamden ~~Government Center~~ 2750 Dixwell Avenue Hamden, CT 06518				
3.	Hamden Fish & Game Protective Association P.O. Box 5619 Hamden, CT 06518		OLD STATE HOUSE STATION 06103 FEB 01 2022 USPS		
4.					
5.					
6.					