Robinson+Cole

KENNETH C. BALDWIN

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Also admitted in Massachusetts and New York

June 14, 2022

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 265 Benham 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 a rooftop tower and associated equipment on the ground near the base of the tower. The existing rooftop tower was approved by the Town of Hamden ("Town") in August of 2000. Cellco's shared use of the tower was approved by the Siting Council ("Council") in October of 2000. A copy of the Town's original tower approval and Cellco's EM-VER-062-000922 approval are included in Attachment 1.

Cellco now intends to modify its facility by removing nine (9) existing antennas and installing three (3) new MT6407-77A antennas, three (3) CBRS antennas, four (4) NHH-65B-R2B antennas and two (2) NHH-65B-R2B antennas on its existing antenna mounts. Cellco also intends to remove six (6) remote radio heads ("RRHs") and install six (6) new RRHs behind and adjacent to its antennas. A set of project plans showing Cellco's proposed facility modifications and new antennas and RRH specifications are included in <u>Attachment 2</u>.

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 Hamden's Chief Elected Official and Land Use Officer.

Melanie A. Bachman, Esq. June 14, 2022 Page 2

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 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 and supporting structure and existing antenna mounts, with certain modifications, can support Cellco's proposed modifications. Copies of the SA and MA are included in Attachment 4.

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

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).

Melanie A. Bachman, Esq. June 14, 2022 Page 3

Sincerely,

Kenneth C. Baldwin

Kunie BMM-

Enclosures Copy to:

Lauren Garrett, Hamden Mayor Erik Johnson, Acting Town Planner Apostles of the Sacred Heart of Jesus, Inc. Alex Tyurin, Verizon Wireless

ATTACHMENT 1



TOWN OF HAMDEN

CONNECTICUT

August 24, 2000

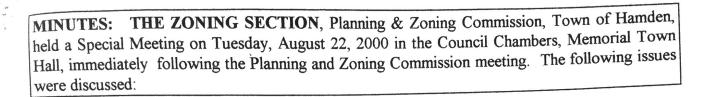
New Haven Register 40 Sargent Drive New Haven, CT. 06511 Attn: Judy

FAX# 865-8360 Bill: 287-2592

RE: LEGAL NOTICE TO APPEAR IN THE NEW HAVEN REGISTER ON TUESDAY, AUGUST 29, 2000.

DP71964 – Special Meetings and Public Hearings were held on Tuesday, August 22, 2000 starting at 7:30 p.m. of the Zoning Section, and the Planning & Zoning Commission. All meetings were held in the Council Chambers, Memorial Town Hall and the following actions were taken:

- Site Plan/WS 00-1267. 2582 Whitney Ave. B-1. Restaurant expansion from 61 to 108 seats. Whitney & Hawthorne LLC., Property Owner. ZaRus Grille, Applicant. <u>APPROVED WITH CONDITIONS.</u>
- Site Plan/WS 00-1272. 720 Sherman Ave. M-1. Expansion of existing manufacturing/office. Amphenol Corporation, Property Owner. Paul Pizzo, Applicant. <u>APPROVED WITH CONDITIONS.</u>
- Site Plan 00-1276. 2039 Dixwell Ave. CDD-1. Laundromat/Dry Cleaners. Rosalie Lambert Family Trust, Owner. <u>APPROVED WITH</u> CONDITIONS.
- Site Plan 00-1257. 265 Benham St. R-3. Telecommunication Antenna. Sandy Carter, Applicant. <u>APPROVED WITH CONDITIONS.</u>
- Resubdivision 00-1201. High Ridge Rd. R-2. 2 lots. Leslie Corey, Property Owner. Leslie Corey, Applicant. <u>APPROVED WITH</u> <u>CONDITIONS.</u>
- 6. Resubdivision/WS/FP 00-1202. Chatterton Way. Lot #1. R-2. Natalie Wheatley, Property Owner and Applicant. APPROVED WITH CONDITIONS.



Connolly Parkway frontage. Mr. Thompson said he has not seen that letter. Mr. O'Brien said the bond is \$3,350. The RWA submitted a letter today asking that their inspectors continue to be granted access to the site. Mr. Ingengro said he believes the items the Town Engineer is asking for were completed a year ago, and he feels the sidewalk was revisited with the prior Town Planner and they were not required to replace the sidewalk, but to repair it. The previous applicant posted the bond. Mr. O'Brien asked the property owner if he would be willing to replace 100' of sidewalk. Mr. Lambert, the property owner, said they did 100' of sidewalk when Auto Tune filed their application. If the engineering detail is not on file Mr. Lambert is willing to submit it.

Mr. Crocco said Mr. Savarese's conditions should be made part of the motion. Mr. Crocco said the applicant will provide the information requested by Mr. Savarese. The sidewalk must be inspected and there is already a bond.

Mr. McDonagh made a motion to approve Site Plan 00-1276 subject to the following conditions:

Prior to the issuance of a Zoning Permit, the applicant must:

- 1. Submit an easement from 27 Connolly Parkway for the common driveway:
- 2. Submit landscaping details for approval of the Town Planner;
- 3. Post a bond in an amount estimated by the applicant and approved by the Town Planner;
- 4. Submit drainage information from previous application.
- 5. The sidewalk must be inspected and repaired or replaced as necessary.

Mr. Sims seconded the motion. The vote was unanimous, in favor.

Mr. Thompson said they are making no substantial changes to the site and the landscaping is existing.

4. Site Plan 00-1257
265 Benham Street, R-3 Zone
Telecommunication Antenna
Sandy Carter, Agent
Verizon Cellular, Applicant

Mr. O'Brien said the Town Police and Fire Departments entered into agreement between Verizon Telecommunications and the Sisters at Sacred Heart Academy, and if the Town Police and Fire antennas are going to be on the tower, the tower is not subject to zoning. This Commission approved an 8-24, which went to the Council and was approved and then signed by the Mayor.

October 4, 2000

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

Re: **EM-VER-062-000922** - Cellco Partnership d/b/a Verizon Wireless (Cellco) notice of intent to modify an existing telecommunications tower located at 265 Benham Street, Hamden, Connecticut.

Dear Attorney Baldwin:

At a public meeting held on October 2, 2000, the Connecticut Siting Council (Council) ruled that the proposed use of this tower would not cause a significant change or alteration in the physical and environmental characteristics of the site, and pursuant to Section 16-50j-72 (c) would constitute a regulatory exemption

The proposed antenna modifications are to be implemented as specified in your notice dated September 21, 2000 and errata dated September 28 and September 29, 2000. The modifications are in compliance with the exception criteria in Section 16-50j-72 (c) of the Regulations of Connecticut State Agencies as changes to an existing non-facility site that have received all municipal zoning approvals and building permits 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 frequency 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 been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequency now used on this tower. 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 No. 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,

Mortimer A. Gelston Chairman

MAG/RKE/laf

c: Honorable Carl J. Amento, Mayor, Town of Hamden Robert Nolan, Chief of Police, Hamden Police Department Tim Sullivan, Fire Chief, Hamden Fire Department Sisters of the Sacred Heart Academy Sandy M. Carter, Verizon Wireless

ATTACHMENT 2

verizon

HAMDEN 2 CT SACRED HEART CONVENT HAMDEN, CT 06514

GENERAL NOTES

- ALL WORK SHALL BE IN ACCORDANCE WITH THE 2015 INTERNATIONAL BUILDING CODE AS MODIFIED BY THE 2018 CONNECTICUT SUPPLEMENT,
- SHOULD ANY FIELD CONDITIONS PRECLUDE COMPLIANCE WITH THE DRAWINGS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND SHALL NOT PROCEED WITH ANY AFFECTED WORK.
- CONTRACTOR SHALL PROMDE A COMPLETE BUILD-OUT WITH ALL FINISHES, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS AND PROMDE ALL TREAS AS SHOWN OR INDICATED ON THE DRAWINGS OR IN THE WRITTEN SPECIFICATIONS.
- CONTRACTOR SHALL FURNISH ALL MATERIAL, LABOR AND EQUIPMENT TO COMPLETE THE WORK AND FURNISH A COMPLETED JOB ALL IN ACCORDANCE WITH LOCAL AND STATE GOVERNING AUTHORITIES HAVING LIMIFUL JURISDICTION OVER THE WORK.
- CONTRACTOR SHALL MANTAIN A CURRENT SET OF DRAWNOS AND SPECIFICATIONS ON SITE AT ALL TIMES AND INSURE DISTRIBUTION OF NEW DRAWNESS TO SUBCONTRACTORS AND OTHER RELEWAY PARTIES AS SOME SHELL FROM A CONTRACTOR SHALL BE MARKED VOID AND REMOVED FROM HE CONTRACTOR AREA. THE CONTRACTOR SHALL FURNISH AN "AS-BILLET" SET OF DRAWNINGS TO OMNER UPON COMPLETION OF PROJECT.
- 8. LOCATION OF EQUIPMENT, AND WORK SUPPLIED BY OTHERS THAT IS DIAGRAMMATICALLY MOICATED ON THE DRAWNINGS SHALL BE RETERMINED BY THE CONTRACTOR. THE CONTRACTOR SHALL DETERMINE LOCATIONS AND DIMENSIONS SUBJECT TO STRUCTURAL CONDITIONS AND WORK OF THE SUBGOOTRACTIONS.
- THE CONTINUEDOR IS SOLELY RESPONSIBLE TO DETERMINE CONSTRUCTION PROCEDURE AND SOLUTIONE, AND DE INSURE THE SWETT OF THE DISTING STRUCTURES AND ITS COMPONENT PARTS DURING CONSTRUCTION. THIS INCLUDES THE ADDITION OF WAITCREST SHOWING, BINCHON, DECEMBER OF THE STRUCTURE OF THE STR
- DRAWINGS INDICATE THE MINIMUM STANDARDS, BUT IF ANY WORK SHOULD BE INDICATED TO BE SUBSTANDARD TO ANY ORDINANCES, SHOULD BE INDICATED TO BE SUBSTANDARD TO ANY ORDINANCES, CONTRACTOR SHALL INCLIDE IN HIS WORK AND SHALL DECENTE TO WORK CORRECTLY IN ACCORDANCE WITH SUCH ORDINANCES, LINE OCCURS, RULES OR REGULATIONS WITH NO INCREASE IN COSTS.

- ALL UTILITY WORK SHALL BE IN ACCORDANCE WITH LOCAL UTILITY COMPANY REQUIREMENTS AND SPECIFICATIONS.
- ALL EQUIPMENT AND PRODUCTS PURCHASED ARE TO BE REVIEWED BY CONTRACTOR AND ALL APPLICABLE SUBCONTRACTORS FOR ANY CONDITION PER MFR.'S RECOMMENDATIONS. CONTRACTOR TO SUPPLY THESE ITEMS AT NO COST TO OWNER OR CONSTRUCTION MANAGER.
- 13. ANY AND ALL ERRORS, DISCREPANCIES, AND "MISSED" ITEMS ARE TO BE BROUGHT TO THE ATTENTION OF THE VERIZON WIRELESS CONSTRUCTION MANAGER DURING THE BIODING PROCESS BY THE CONTRACTOR. ALL THESE ITEMS ARE TO BE INCLUDED IN THE BIO. NO "EXTRA" WILL BE ALLOWED FOR MISSED ITEMS.
- 14. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ON-SITE SAFETY FROM THE TIME THE JOB IS AWARDED UNTIL ALL WORK IS COMPLETE AND ACCEPTED BY THE OWNER.
- 15. CONTRACTOR TO REVIEW ALL SHOP DRAWINGS AND SUBMIT COPY TO ENGINEER FOR APPROVAL DRAWINGS MUST BEAR THE CHECKER'S INITIALS BEFORE SUBMITTING TO THE CONSTRUCTION MANAGER FOR REVIEW.
- CORDINATION, LAYOUT, FURNISHING AND INSTALLATION OF CONDUIT AND ALL APPURTENANCES REQUIRED FOR PROPER INSTALLATION OF ELECTRICAL AND TELECOMMUNICATION SERVICE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- RESPONSIBILITY OF THE CONTINUENT.

 B. ALL EQUIPMENT AND PRODUCTS PURCHASED ARE TO BE REMEWED BY CONTRACTOR AND ALL APPLICABLE SUB—CONTRACTORS FOR ANY CONDITION PER THE MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR TO SUPPLY THESE ITEMS AT NO COST TO OWNER OR CONSTRUCTION MANAGER.
- 20, THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" AT LEAST 48 HOURS PRIOR TO ANY EXCAVATIONS AT 1-800-922-4455. ALL UTILINES SHALL BE IDENTIFIED AND CLERKLY MARKED PRIOR TO ANY EXCAVATION WORK, CONTRACTOR SHALL MAINTAIN AND PROTECT MARKED UTILITIES THROUGHOUT PROJECT COMPLETION.

SITE DIRECTIONS FROM: 20 ALEXANDER DRIVE WALLINGFORD, CONNECTICUT TO: SACRED HEART CONVEN START OUT GOING NORTH ON ALEXANDER OR TOWARD BARNES INDUSTRIAL RD. TURN RIGHT ONTO BARNES INDUSTRIAL RD. TURN RIGHT ONTO RAMP. TURN RIGHT ONTO RAMP. TURN RIGHT ONTO RAMP. TURN RIGHT ONTO IN COLIGNY RD/US-8 N. MERCE ONTO CT-15 S VA. THE RAMP ON THE LEFT. 0.18 MI 0.11 MI 0.35 MI 0.17 MI 0.39 MI 10.93 MI 0.21 MI 0.25 MI 0.47 MI MERGE ONTO CT-15 S VM. THE RAMP UN THE LEFT. TAKE THE CT-10 DET, DET 05, TOWARD HANDEN/NEW HAVEN. TURN RIGHT ONTO DOWNELL AVE/CT-10. TURN RIGHT ONTO BENHAM ST. SACRED HEART ACADEMY, 269 BENHAM ST, HANDEN, CT, 265 BENHAM ST IS ON THE RIGHT



PROJECT SUMMARY

THE PROPOSED UPGRADE SCOPE OF WORK AT THE EXISTING UNMANNED TELECOMMUNICATIONS FACILITY GENERALLY INCLUDES THE FOLLOWING:

A. AT THE EXISTING ROOFTOP GUYED LATTICE TOWER MOUNTED ANTENNA

REMOVE (2) EXISTING ANDREW — LNX—6514DS—A1M ANTENNAS.

• REMOVE (1) EXISTING ANDREW - SBNHH-1D45B ANTENNA.

REMOVE (2) EXISTING ANDREW — SBNHH—1D65B ANTENNAS.

REMOVE (1) EXISTING CSS - X7C-FRO-640-V-04 ANTENNA.

REMOVE (6) EXISTING NOKIA RADIOS.

RETAIN (2) EXISTING CELLWAVE - APL866513 ANTENNAS.

. RETAIN (6) EXISTING 1-5/8" COMA COAXIAL CARLES.

• RETAIN (6) EXISTING 1-5/8" SPARE COAXIAL CABLES.

INSTALL ANTENNA MOUNT MODIFICATIONS. DESIGN IS BY OTHERS. REFER TO MODIFICATION DESIGN REPERENCE NOTE ON SHEET C-2.

INSTALL (2) COMMSCOPE — NHH—45B—R2B ANTENNAS.

INSTALL (4) COMMSCOPE — NHH—65R—R2R ANTENNAS.

INSTALL (3) SAUSING _ YYDWMM_12 5_R5_RT_CRPS ANTENNAS

INSTALL (3) SAMSUNG - B5/B13 RRH-BRO4C RRUB, RELOCATED FROM

INSTALL (3) SAMSUNG — CBRS RRH — RT4401—48A RRUs.

• INSTALL (3) SAMSUNG - RF4439d-25A RRUB.

INSTALL (2) COMMSCOPE — BASMNT—SBS—1—2 ANTENNA MOUNTS.

INSTALL (1) COMMSCOPE - BASMNT-SBS-2-2 ANTENNA MOUNT.

. INSTALL (3) 6v12 HYRRIFLEY LI CARLES.

INSTALL (3) OVP-8 BOXES.

B. AT THE EXISTING VERIZON WIRELESS EQUIPMENT SHELTER:

• REMOVE (3) EXISTING COMSCOPE - CHB626-43-2X COMBINERS

PROJECT INFORMATION

HANDEN 2 CT SITE ADDRESS: LESSEE/TENANT:

CONTACT PERSON:

PROJECT COORDINATES

SHT. NO.	DESCRIPTION	REY
T-1	TITLE SHEET	0
N-1	NOTES AND SPECIFICATIONS	0
B-1	RF BILL OF MATERIALS	0
C-1	PARTIAL SITE/ ROOF PLAN AND ELEVATION	
C-2	ANTENNA SECTOR CONFIGURATION DETAILS	0
C-3	RF DETAILS	0
E-1	ELECTRICAL DETAILS AND SPECIFICATIONS	

verizon 488-9580 488-8587 Fox North Branford I ord, CT 06405

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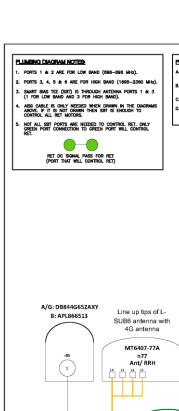
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DATE: 02/15/22 SCALE: AS NOTED

JOB NO. 21007.59 TITLE

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6.	THE CONTRACTOR SHALL VERIFY AND COORDINATE THE SIZE AND LOCATION OF ALL OPENINGS, SLEEVES AND ANCHOR BOLTS AS REQUIRED BY ALL TRADES.	00/09/22 03/51/22 03/33/22 03/33/22 03/13/22
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10.	ALL DAMAGE CAUSED TO ANY EXISTING STRUCTURE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR WILL BE HELD LIABLE FOR ALL REPAIRS REQUIRED FOR EXISTING STRUCTURES IF DAMAGED DURING CONSTRUCTION ACTIVITIES.	verizon
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		Sheet No. 2 of 7



PLUMEING DIAGRAM COMMENTS:

- DIAGRAMS SHOW ANTENNA PORT CONFIGURATIONS AS VIEWED FROM BELOW ANTENNAS.

- CAP AND WEATHERPROOF UNUSED ANTENNA PORTS.
- ALL PLUMBING DIAGRAM COLORS ARE IRRELEVANT EXCEPT FOR AISO AND HYBRIFLEX CABLE. (FOR THE COAX COLORS, FOLLOW COAX COLORS GUIDE SHOWN HEREIN).



A/G: BSAMNT-SBS-1-2 B: BSAMNT-SBS-2-2 A/G: DB844G65ZAXY B: APL866513 CBRS Clip on (2) (2) B5/B13 RRH-BR04C (RFV01U-D2A) B2/B66A RRH- RF4439d-25A 6 (1) OVP-6/ (1) 6x12 Hybriflex 6 OVP Box per Sector ROOFTOP EQUIPMENT SHELTER (2) 850 Cell

NOTES

- 1. INFORMATION SHOWN HEREIN IS FOR USE BY VERIZON WIRELESS EQUIPMENT OPERATIONS.
- THIS B.O.M. DRAWING IS BASED ON FACILITY UPGRADE DESIGN DRAWINGS PREPARED BY CENTER ENGINEERING (IEV.O DATE): 6/96/9/22), & VERIZON WIRELESS RF ANTENNA EQUIPMENT RECOMMENDATION (DATE): 09/03/2021).

BILL OF MATERIALS					
TECHNOLOGY	QUANTITY	ANTENNA			
LTE 700					
LTE 850 5G	,	COMMSCOPE ANTENNA MODEL: NHH-458-R28			
LTE PCS 1900	2	COMMSCOPE ANTENNA MODEL: NHH-408-K28			
LTE AWS 2100					
LTE 700					
LTE 850 5G	٠.	COMMSCOPE ANTENNA MODEL: NHH-65B-R			
LTE PCS 1900	•	COMMISCOPE ANTENNA MODEL: NPH-658-NZE			
LTE AWS 2100					
5G	3	SAMSUNG ANTENNA MODEL: MT6407-77A			
LTE CBRS	3	SAMSUNG ANTENNA MODEL: XXDWMM-12.5-65-8T-CBRS			

CABLES	QUANTITY	LENGTH EA	COMMENTS	
HYBRID CABLE	3	±125 FT EA	6x12 HYBRIFLEX LI CABLE	

RADIOS	QUANTITY	COMMENTS	
LTE 700	_		
LTE 850 5G	- 3	SAMSUNG MODEL: 85/813 RRH-BR04C	
LTE PCS 1900	_		
LTE AWS 2100	3	SAMSUNG MODEL: RF4439d-25A	
5G	3	INTEGRATED INTO MT6407-77A ANTENNA	
LTE CBRS	3	INTEGRATED INTO XXXXWMM ANTENNA	

DIPLEXERS	QUANTITY	COMMENTS
-	0	-

OVP BOXES	QUANTITY	COMMENTS
RFS OVP BOX	3	OVP-6 RFS MODEL: DB-B1-6C-12AB-0Z

ANTENNA MOUNT	QUANTITY	COMMENTS
SIDE-BY-SIDE MOUNTING KIT	2	COMMSCOPE MODEL: BSAMNT-SBS-1-2
SIDE-BY-SIDE MOUNTING KIT	1	COMMSCOPE MODEL: BSAMNT-SBS-2-2



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| 488-0580 | 488-8587 Fox | North Branford | | ford, CT 06405 (203) (203) (203) (203) (203)

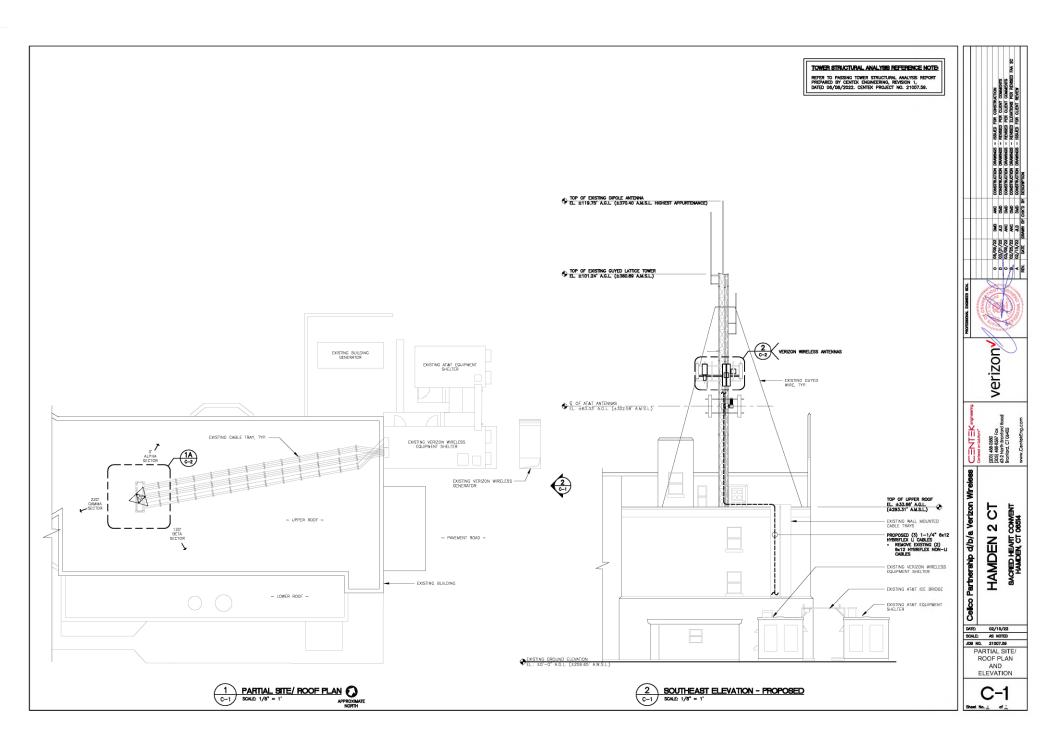
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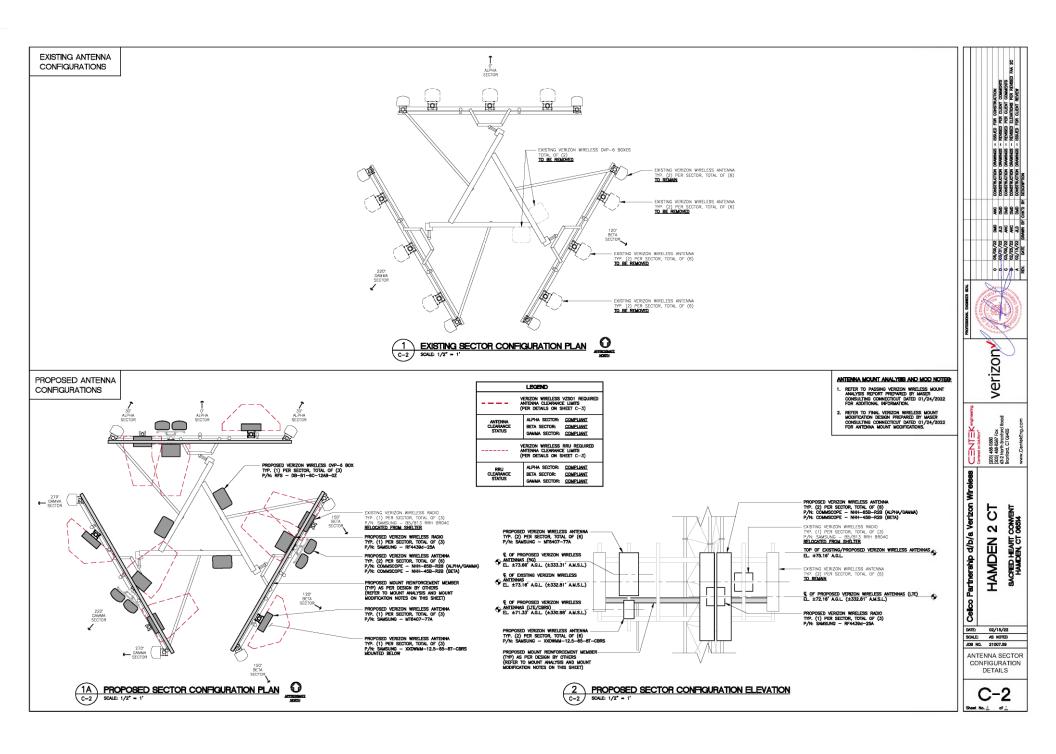
Partnership d/b/a Verizon Wirek

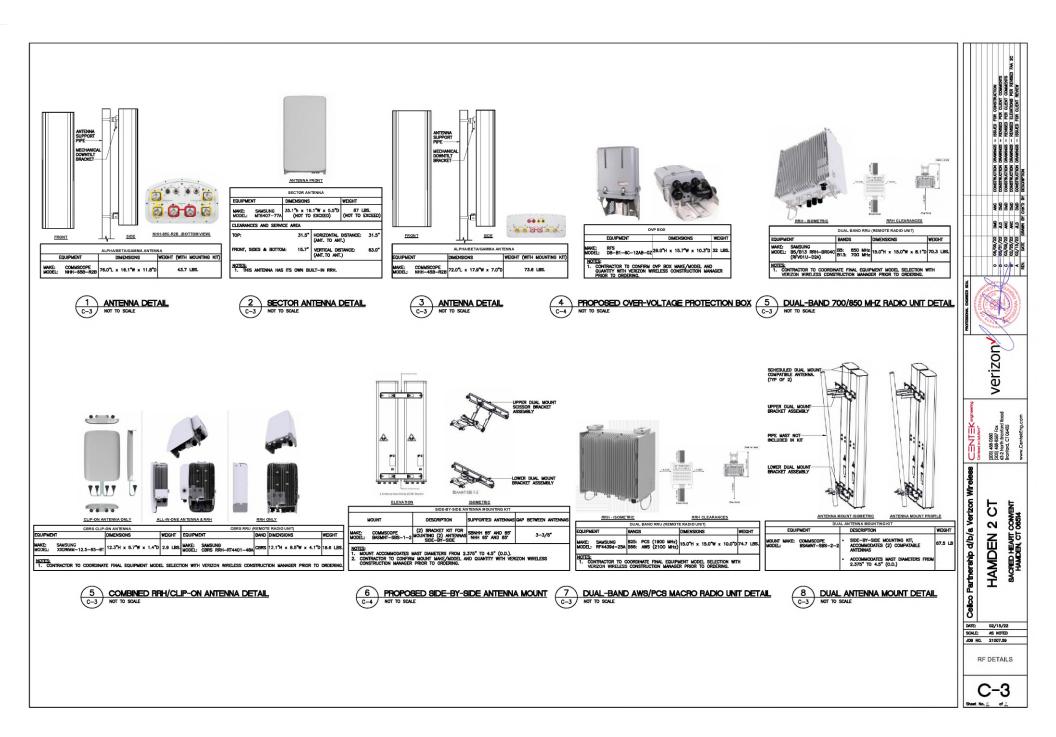
DATE: 02/15/22 SCALE: AS NOTED JOB NO. 21007.59

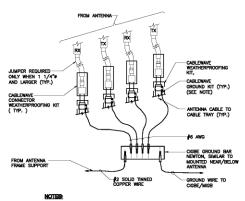
RF BILL OF MATERIALS







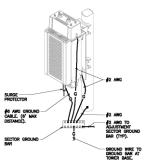




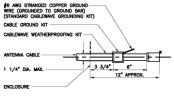
DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO CIGBE

CONNECTION OF GROUND WIRES TO GROUND BAR (E-1) NOT TO SCALE

> EACH RRH CABINET SHALL BE GROUNDED IN THE FOLLOWING MANNER: 1. AT TOP OF THE CABINET
> 2. AT RIGHT SIDE OF THE CABINET.



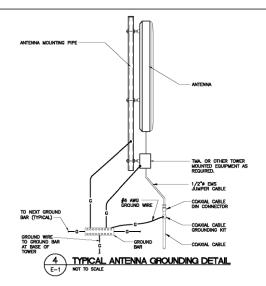
2 RRH POLE MOUNT GROUNDING

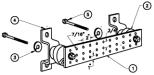


NOTES

DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.

3 ANTENNA CABLE GROUNDING DETAIL





NOTES

- TINNED COPPER GROUND BAR, 1/4" x 4" x 20". NEWTON INSTRUMENT CO. HOLE CENTERS TO MATCH NEMA DOUBLE LUG CONFIGURATION.
- INSULATORS, NEWTON INSTRUMENT CAT. NO. 3061-4.
- 5/8" LOCK WASHERS, NEWTON INSTRUMENT CO. CAT. NO. 3015-8.
- WALL MOUNTING BRACKET, NEWTON INSTRUMENT CO. CAT NO. A-6056.
- 5/8-11 x 1" STAINLESS STEEL TRUSS SPANNER MACHINE SCREWS.

GROUND BAR DETAIL

ELECTRICAL SPECIFICATIONS

1.01. SCOPE OF WORK

- A. WORK SHALL INCLUDE ALL LABOR, EQUIPMENT AND SERVICES REQUIRED TO COMPLETE (MAKE READY FOR OPERATION) ALL THE ELECTRICAL WORK INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING.
- CELLULAR GROUNDING SYSTEMS CONSISTING OF ANTENNA GROUNDING, GROUND BARS, ETC.

- A. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE MADE IN STRICT ACCORDANCE WITH ALL LOCAL, STATE AND NATIONAL CODES AND REQULATIONS WHICH MAY APPLY AND NOTHING IN THE DRAWINGS OR SPECIFICATIONS SHALL BE INTERPRETED AS AN INFRINGEMENT OF SUCH CODES OR REGULATIONS.
- B. THE ELECTRICAL CONTRACTOR IS TO BE RESPONSIBLE FOR THE COMPLETE INSTALLATION AND COORDINATION OF THE BATTRE ELECTRICAL SERVICE. ALL ACTIVITIES TO BE COORDINATED THROUGH OWNERS REPRESENTATIVE, DESIGN ENGINEER AND OTHER AUTHORITIES HAVING JURISDICTION OF TRACES.
- C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND PAY ALL FEES THAT MAY BE REQUIRED FOR THE ELECTRICAL WORK AND FOR SCHEDULING OF ALL INSPECTIONS THAT MAY BE REQUIRED BY THE LOCAL AUTHORITY.
- D. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH THE BUILDING OWNER FOR NEW AND/OR DEMOLITION WORK INVOLVED.
- NO MATERIAL OTHER THAN THAT CONTAINED IN THE "LATEST LIST OF ELECTRICAL FITTINGS" APPROVED BY THE UNDERWINTERS" LABORATORIES, SHALL BE USED IN ANY PART OF THE WORK, ALL MATERIAL FOR WHICH LABEL SERVICE HAS BEEN ESTABLISHED SHALL BEAR THE U.L. LABEL.
- F. THE CONTRACTOR SHALL GLARANTEE ALL NEW WORK FOR A PERIOD OF ONE YEAR FROM THE ACCEPTANCE DATE BY THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING MARRANTIES FROM ALL EQUIPMENT MANUFACTURERS FOR SUBMISSION TO THE OWNER.
- G. DRAWINGS INJUSTED OPERAL ARRANGEMENT OF WORK INCLUDED IN CONTRACT.

 CONTINUETER SHALL WITHOUT DUTN, OPERAGE, MAKE MEOPERSTONES IN THE LANGUT OF
 CONTINUETER SHALL BRAIN OF MAKE AND VISIT JOS BUT THE PROBLEM
 AND TYPE OF EXISTING CONDITIONS IN WHICH WORK WILL BE DONE, PRIOR TO SLEMITIAA
 OF BID.
- H. THE ELECTRICAL CONTRACTOR SHALL SUPPLY THREE (3) COMPLETE SETS OF APPROVED DRAWNINGS, DIAMETERING DATA SHEETS, MAINTENANCE AND OPPRATION DISTRICATION AMANUALS FOR ALL SYSTEMS AND THEIR RESPONDED COURTERS COMPLETE. THESE MANUALS SHALL BE INSERTED IN WANT, COVERED 3—RING BINDERS AND TURNED OVER TO OWNER'S REPRESENTANT ONE (1) WERE PROOR TO FIRM, PUNICH LIST.
- ALL WORK SHALL BE INSTALLED IN A NEAT AND WORKMAN LIKE MANNER AND WILL BE SUBJECT TO THE APPROVAL OF THE OWNER'S REPRESENTATIVE.
- BEFORE FINAL PAYMENT, THE CONTRACTOR SHALL PROVIDE A COMPLETE SET OF PRINTS (AS—BUILTS), LEGIBLY MARKED IN RED PENCIL TO SHOW ALL CHANGES FROM THE ORIGINAL PLANS.
- L EMIRE ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH OWNER'S SPECIFICATIONS, AND REQUIREMENTS OF ALL LOCAL AUTHORITIES HAWING JURIS IS THE COMPACTOR'S RESPONSIBILITY TO CORDINATE WITH APPORPOWER HON GRIAN ALL SUCH SPECIFICATIONS AND REQUIREMENTS. WOTHING CONTAMED IN OMITTED FROM, THESE DOCUMENTS SHALL RELIEVE COMPRECIOR FROM THIS OF

SECTION 16450

A ALL NON-CURRENT CARRYING PARTS OF THE ELECTRICAL AND TELEPHONE CONDUIT SYSTEMS SHALL BE MECHANICALLY AND ELECTRICALLY CONNECTED TO PROVIDE AN INDEPENDENT RETURN PART TO THE EQUIPMENT GROUNDING SOURCES.

- B. GROUNDING SYSTEM WILL BE IN ACCORDANCE WITH THE LATEST ACCEPTABLE EDITION OF THE NATIONAL ELECTRICAL CODE AND REQUIREMENTS PER LOCAL INSPECTOR HAVING JURISDICTION.
- C. EQUIPMENT GROUNDING CONDUCTOR:
- EACH EQUIPMENT GROUND CONDUCTOR SHALL BE SIZED IN ACCORDANCE WITH THE N.E.C. ARTICLE 250-122.
- 2. THE MINIMUM SIZE OF EQUIPMENT GROUND CONDUCTOR SHALL BE #12 AWG COPPER.
- D. CELLULAR GROUNDING SYSTEM:
- PROVIDE THE CELLULAR GROUNDING SYSTEM AS SPECIFIED ON DRAWINGS, INCLUDING, BUT NOT LIMITED TO:
- GROUND BARS
 ANTENNA GROUND CONNECTIONS AND PLATES.
- E. ALL EQUIPMENT SHALL BE BONDED TO GROUND AS REQUIRED BY N.E.C., MFG. SPECIFICATIONS, AND OWNER'S SPECIFICATIONS.

2 2 2 2 3 2 S S S S S 00004 verizon 488-0580 488-8587 Fox North Branford I ord, CT 06405 (203) (203) 63-2 (303) ĺ₹ Partnership d/b/a Verizon $^{\circ}$ 2

SACRED HEART (HAMDEN, CT (HAMDEN

DATE: 02/15/22 SCALE: AS NOTED

JOB NO. 21007.59 ELECTRICAL

DETAILS AND SPECIFICATIONS





6-port sector antenna, 2x 698–896 and 4x 1695–2360 MHz, 65° HPBW, 2x RET. Both high bands share the same electrical tilt.

- Interleaved dipole technology providing for attractive, low wind load mechanical package
- Internal SBT on low and high band allow remote RET control from the radio over the RF jumper cable
- Separate RS-485 RET input/output for low and high band
- One RET for low band and one RET for both high bands to ensure same tilt level for 4x Rx or 4x MIMO

General Specifications

Antenna TypeSectorBandMultibandColorLight gray

Grounding Type RF connector body grounded to reflector and mounting bracket

Performance Note

Outdoor usage | Wind loading figures are validated by wind tunnel

measurements described in white paper WP-112534-EN

Radome MaterialFiberglass, UV resistantRadiator MaterialLow loss circuit board

Reflector Material Aluminum

RF Connector Interface 4.3-10 Female

RF Connector Location Bottom

RF Connector Quantity, high band 4
RF Connector Quantity, low band 2
RF Connector Quantity, total 6

Remote Electrical Tilt (RET) Information

RET Interface 8-pin DIN Female | 8-pin DIN Male

RET Interface, quantity 2 female | 2 male

Input Voltage 10-30 Vdc

Internal Bias Tee Port 1 | Port 3

Internal RET High band (1) | Low band (1)

Power Consumption, idle state, maximum 2 W
Power Consumption, normal conditions, maximum 13 W

Page 1 of 4



Protocol 3GPP/AISG 2.0 (Single RET)

Dimensions

Width 301 mm | 11.85 in

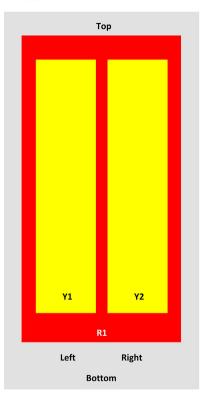
Depth 180 mm | 7.087 in

Length 1828 mm | 71.969 in

Net Weight, without mounting kit 19.8 kg | 43.651 lb

Array Layout

<u>NHH</u>



Array	Freq (MHz)	Conns	RET (SRET)	AISG RET UID
R1	698-896	1-2	1	ANxxxxxxxxxxxxxxx
Y1	1695-2360	3-4	2	ANxxxxxxxxxxxxxxxxxxx2
Y2	1695-2360	5-6	1	

View from the front of the antenna (Sizes of colored boxes are not true depictions of array sizes)

Electrical Specifications

Impedance 50 ohm

Operating Frequency Band 1695 – 2360 MHz | 698 – 896 MHz

COMMSCOPE®

Polarization ±45°

Total Input Power, maximum 900 W @ 50 $^{\circ}$ C

Electrical Specifications

Frequency Band, MHz	698-806	806-896	1695-1880	1850-1990	1920-2200	2300-2360
Gain, dBi	14.9	15	17.7	17.9	18.4	18.7
Beamwidth, Horizontal, degrees	65	60	71	69	64	57
Beamwidth, Vertical, degrees	12.4	11.2	5.7	5.2	4.9	4.6
Beam Tilt, degrees	0-14	0-14	0-7	0-7	0-7	0-7
USLS (First Lobe), dB	13	14	18	18	19	18
Front-to-Back Ratio at 180°, dB	30	29	31	30	29	31
Isolation, Cross Polarization, dB	25	25	25	25	25	25
Isolation, Inter-band, dB	30	30	30	30	30	30
VSWR Return loss, dB	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-153	-153	-153
Input Power per Port at 50°C, maximum, watts	300	300	300	300	300	300

Electrical Specifications, BASTA

p	,					
Frequency Band, MHz	698-806	806-896	1695-1880	1850-1990	1920-2200	2300-2360
Gain by all Beam Tilts, average, dBi	14.5	14.5	17.3	17.7	18.1	18.5
Gain by all Beam Tilts Tolerance, dB	±0.6	±1.1	±0.4	±0.4	±0.5	±0.3
Gain by Beam Tilt, average, dBi	0° 14.4 7° 14.6 14° 14.3	0° 14.7 7° 14.7 14° 14.1	0° 17.2 4° 17.3 7° 17.3	0° 17.6 4° 17.7 7° 17.7	0° 18.0 4° 18.2 7° 18.1	0° 18.3 4° 18.5 7° 18.6
Beamwidth, Horizontal Tolerance, degrees	±2	±2.1	±3	±4.1	±6.5	±2.9
Beamwidth, Vertical Tolerance, degrees	±0.7	±0.7	±0.3	±0.2	±0.3	±0.2
USLS, beampeak to 20° above beampeak, dB	13	14	16	16	17	15
Front-to-Back Total Power at 180° ± 30°, dB	23	22	27	27	25	25
CPR at Boresight, dB	22	21	23	23	22	19

Page 3 of 4



CPR at Sector, dB 10 7 16 13 11 4

Mechanical Specifications

Effective Projective Area (EPA), frontal 0.26 m² | 2.799 ft² Effective Projective Area (EPA), lateral 0.22 m² | 2.368 ft²

 Wind Loading @ Velocity, frontal
 278.0 N @ 150 km/h (62.5 lbf @ 150 km/h)

 Wind Loading @ Velocity, lateral
 230.0 N @ 150 km/h (51.7 lbf @ 150 km/h)

 Wind Loading @ Velocity, maximum
 537.0 N @ 150 km/h (120.7 lbf @ 150 km/h)

 Wind Loading @ Velocity, rear
 282.0 N @ 150 km/h (63.4 lbf @ 150 km/h)

Wind Speed, maximum 241 km/h | 149.75 mph

Packaging and Weights

 Width, packed
 409 mm | 16.102 in

 Depth, packed
 299 mm | 11.772 in

 Length, packed
 1952 mm | 76.85 in

 Weight, gross
 32.3 kg | 71.209 lb

Regulatory Compliance/Certifications

Agency Classification

CHINA-ROHS Below maximum concentration value

ISO 9001:2015 Designed, manufactured and/or distributed under this quality management system

ROHS Compliant



Included Products

BSAMNT-3 – Wide Profile Antenna Downtilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor top bracket set and one bottom bracket set.

* Footnotes

Performance Note Severe environmental conditions may degrade optimum performance





6-port sector antenna, 2x 698–896 and 4x 1695–2360 MHz, 45° HPBW, 2x RETs and 2x SBTs. Both high bands share the same electrical tilt.

- Narrow beamwidth capacity antenna for higher level of densification and enhanced data throughput
- Internal SBT on low and high band allow remote RET control from the radio over the RF jumper cable
- Separate RS-485 RET input/output for low and high band
- One LB RET and one HB RET. Both high bands are controlled by one RET to ensure same tilt level for 4x Rx or 4x MIMO

General Specifications

Antenna TypeSectorBandMultibandColorLight gray

Grounding Type RF connector body grounded to reflector and mounting bracket

Performance Note Outdoor usage | Wind loading figures are validated by wind tunnel

measurements described in white paper WP-112534-EN

Radome Material Fiberglass, UV resistant

Radiator Material Aluminum | Low loss circuit board

Reflector Material Aluminum

RF Connector Interface 4.3-10 Female

RF Connector Location Bottom

RF Connector Quantity, high band 4
RF Connector Quantity, low band 2
RF Connector Quantity, total 6

Remote Electrical Tilt (RET) Information

RET Interface 8-pin DIN Female | 8-pin DIN Male

RET Interface, quantity 2 female | 2 male

Input Voltage 10-30 Vdc

Internal Bias Tee Port 1 | Port 3

Internal RET High band (1) | Low band (1)

COMMSCOPE®

Power Consumption, idle state, maximum 1 W

Power Consumption, normal conditions, maximum 10 W

Protocol 3GPP/AISG 2.0 (Single RET)

Dimensions

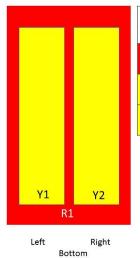
Width 457 mm | 17.992 in

Depth 178 mm | 7.008 in

Length 1829 mm | 72.008 in

Net Weight, without mounting kit 33.4 kg | 73.634 lb

Array Layout



Array	Freq (MHz)	Conns	RET (SRET)	AISG RET UID
R1	698-896	1-2	1	ANxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
Y1	1695-2360	3-4	2	AN
Y2	1695-2360	5-6	2	ANxxxxxxxxxxxxxxx2

(Sizes of colored boxes are not true depictions of array sizes)

Port Configuration



Electrical Specifications

Impedance 50 ohm

Operating Frequency Band 1695 – 2360 MHz | 698 – 896 MHz

Polarization ±45°

Total Input Power, maximum 800 W @ 50 °C

Electrical Specifications

· •						
Frequency Band, MHz	698-806	806-896	1695-1880	1850-1990	1920-2200	2300-2360
Gain, dBi	16.8	17.5	19.3	19.9	20.3	20.8
Beamwidth, Horizontal, degrees	48	43	45	43	41	39
Beamwidth, Vertical, degrees	12.5	11.4	5.8	5.4	5	4.5
Beam Tilt, degrees	2-14	2-14	0-8	0-8	0-8	0-8
USLS (First Lobe), dB	19	22	18	18	18	17
Front-to-Back Ratio at 180°, dB	34	39	37	38	40	38
Isolation, Cross Polarization, dB	25	25	25	25	25	25
Isolation, Inter-band, dB	30	30	28	28	28	28
VSWR Return loss, dB	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0

Page 3 of 5



PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-153	-153	-153
Input Power per Port,	300	300	300	300	300	250
maximum, watts						

Electrical Specifications, BASTA

Frequency Band, MHz	698-806	806-896	1695-1880	1850-1990	1920-2200	2300-2360
Gain by all Beam Tilts, average, dBi	16.5	17.2	19.1	19.8	20.2	20.8
Gain by all Beam Tilts Tolerance, dB	±0.4	±0.4	±0.5	±0.4	±0.4	±0.3
Gain by Beam Tilt, average, dBi	2° 16.5 8° 16.6 14° 16.3	2° 17.3 8° 17.4 14° 16.9	0° 19.0 4° 19.2 8° 19.0	0° 19.7 4° 19.9 8° 19.7	0° 20.0 4° 20.2 8° 20.2	0° 20.6 4° 20.9 8° 20.6
Beamwidth, Horizontal Tolerance, degrees	±1.5	±2.8	±1.8	±1	±2.7	±1.4
Beamwidth, Vertical Tolerance, degrees	±0.7	±0.6	±0.3	±0.2	±0.3	±0.1
USLS, beampeak to 20° above beampeak, dB	19	23	16	17	16	16
Front-to-Back Total Power at 180° ± 30°, dB	24	24	29	31	33	33
CPR at Boresight, dB	25	26	19	20	18	17
CPR at Sector, dB	6	4	10	10	8	16

Mechanical Specifications

 Effective Projective Area (EPA), frontal
 1 m² | 10.764 ft²

 Effective Projective Area (EPA), lateral
 0.21 m² | 2.26 ft²

 Wind Loading @ Velocity, frontal
 1,065.0 N @ 150 km/h (239.4 lbf @ 150 km/h)

 Wind Loading @ Velocity, lateral
 220.0 N @ 150 km/h (49.5 lbf @ 150 km/h)

 Wind Loading @ Velocity, maximum
 1,065.0 N @ 150 km/h (239.4 lbf @ 150 km/h)

 Wind Loading @ Velocity, rear
 935.0 N @ 150 km/h (210.2 lbf @ 150 km/h)

Wind Speed, maximum 241 km/h | 149.75 mph

Packaging and Weights

 Width, packed
 608 mm | 23.937 in

 Depth, packed
 346 mm | 13.622 in

 Length, packed
 1970 mm | 77.559 in

 Weight, gross
 55.8 kg | 123.018 lb

COMMSCOPE®

Regulatory Compliance/Certifications

Agency Classification

CHINA-ROHS Above maximum concentration value

ISO 9001:2015 Designed, manufactured and/or distributed under this quality management system

ROHS Compliant/Exempted



Included Products

BSAMNT-3 – Wide Profile Antenna Downtilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members.

Kit contains one scissor top bracket set and one bottom bracket set.

BSAMNT-M – Middle Downtilt Mounting Kit for Long Antennas for 2.4 - 4.5 in (60 - 115 mm) OD round

members. Kit contains one scissor bracket set.

* Footnotes

Performance Note Severe environmental conditions may degrade optimum performance



[CBRS] Clip-on Antenna Specifications

VzW accepted IP45 in FLD, but IP55 is Samsung Spec.

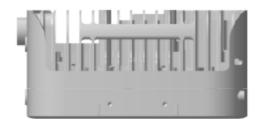


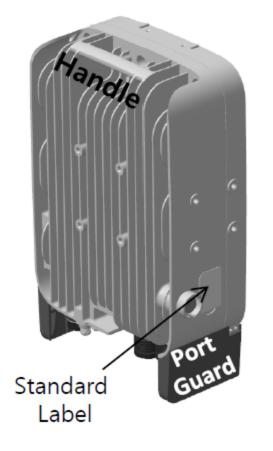
Items	Clip-on Antenna, BASTA**				
Antenna Gain	12.5 ± 0.5 dBi (Max 13 dBi)				
Horizontal BW (-3dB)	65° ± 5°				
Vertical BW (-3dB)	17° ±3°				
Electrical Tilt	8° (fixed) $\pm 2^{\circ}$				
Front-to-Back Ratio	> 25 dB				
Port-to-Port Tracking	< 3 dB				
VSWR	< 1.5				
Isolation	> 25 dB				
Ingress Protection	IP55				
Size	220(W)×313(H)×34.3(D) mm (*) (8.7 x 12.3 x 1.4 inch.)				
Weight	< 2.0 kg [Typ. 1.3 kg]				
It is required that the radio should be weatherproofed properly with JMA WPS Boot with external antenna or with Weatherproof Boot for clip-on antennas.					

Antenna includes integrated cable with connector * Design is subject to minor change

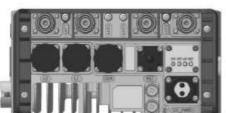
^{**} Ant. spec. follows NGMN recommendations on Base Station Antenna Standards (BASTA). For example, 'mean ± tolerance of 86.6%' is applied to double-sided specification of statistical RF parameters.

[CBRS RRH] Spec.









Current Size: 216 x 307 x 105.5 mm (6.99L) (8.5 x 12.1 x 4.1 inch., excluding Port Guard)

Design is subject to minor change

Item	Specification				
Band	Band 48 (3.5 GHz)				
Frequency	3550~3700 MHz				
IBW	150 MHz				
OBW	80 MHz				
# of Carriers	5/10/15/20 MHz x 4 carriers				
RF Chain	4TX / 4RX				
RF Output Power	4 path x 5 W (Total: 20 W = 43 dBm)				
& EIRP	(EIRP: 47 dBm / 10 MHz)				
RX Sensitivity	Typical: -101.5 dBm @ 1 Rx (3GPP 36.104, Wide Area)				
Modulation	256-QAM support (1024-QAM with 1~2dB power back-off)				
	-48 VDC (-38 to -57 VDC, 1 SKU),				
Input Power	with clip-on AC-DC converter (Option)				
Power Consumption	About 160 Watt @ 100% RF load, typical conditions				
Volume	Under 7L (w/o Antenna), Under 9.6L (with antenna)				
Weight	Under 8.0 kg (18.64 lb) (w/o Antenna), Under 10.5 Kg (with ant.)				
Operating Temperature	-40°C (-40°F) ~ 55°C (131°F) (W/o solar load)				
Cooling	Natural convection				
Universal Engineers	3GPP 36.104 Category A				
Unwanted Emission	[B48] : FCC 47 CFR 96.41 e)				
Optic Interface	20km, 2 ports (9.8Gbps x 2), SFP, single mode, duplex or Bi-Di				
CPRI Cascade	Not supported				
# of Antenna Port	4				
External Alarm (UDA)	4				
RET	AISG 2.2				
TMA & built-in Bias-T I//F and PIM cancellation	Not supported				
	Pole, wall, tower, back to back, side by side (for external ant),				
Mounting Options	3 RRH with Clip-on Antenna on the pole				
Antonna Tyna	Integrated (Clip-on) antenna (Option),				
Antenna Type	External antenna (Option)				
NB-IoT	Not Supported (HW Resource reserved				
NBIOI	for 1 Guard Band NB-IoT per LTE carrier)				
Spectrum Analyzer	TX/RX Support				
External Alarm (UDA)	4				
5G NR	Support with S/W upgrade				
XRAN	Support with S/W upgrade				

SAMSUNG

Dual-Band Radio Unit 700/850MHz (B13/B5)

RFV01U-D2A

Samsung's RFV01U-D2A is a compact remote Radio Unit (RU) designed for deployments that require flexibility in installation and rapid onlining, without compromising on coverage, capacity or operational expenses.



The RFV01U-D2A RU targets dual-band support across Band 13 (700MHz) and Band 5 (850MHz), making it an ideal product for broad coverage footprints across multiple common low-end, long-range frequencies.

The RU handles all Radio Frequency (RF) processing in a single, compact unit, and is designed to interface via CPRI with Samsung's CDU baseband offerings, in both distributed-and central-RAN configurations.

In addition to its minimal footprint and ease of installation, the RU is also designed to reduce cost of ownership through its integrated spectrum analyzer, which allows for remote RF monitoring, greatly reducing the need for on-site maintenance visits.

Features and Benefits

- Dual-band support for broad frequency coverage
- Minimal footprint reduces site costs
- Rapid, easy installation
- Flexibly deployable in any location
- Remote RF monitoring capability
- Convection cooled, silent operation

Key Technical Specifications

Duplex Type: FDD Operating Frequencies:

B13: DL(746-756MHz)/UL(777-787MHz) B5: DL(869-894MHz)/UL(824-849MHz) Instantaneous Bandwidth: 10MHz(B13) + 25MHz(B5)

RF Chain: 4T4R/2T4R/2T2R Output Power: Total 320W DU-RU Interface: CPRI (10Gbps) Dimensions: 380 x 380 x 207mm (29.9L)

Weight: 31.9kg Input Power: -48V DC

Operating Temp.: -40 - 55°(w/o solar load)

Cooling: Natural convection

SAMSUNG

AWS/PCS MACRO RADIO

DUAL-BAND AND HIGH POWER FOR MACRO COVERAGE

Samsung's future proof dual-band radio is designed to help effectively increase the coverage areas in wireless networks. This AWS/PCS 4T4R dual-band radio has 4Tx/4Rx to 2Tx/2Rx RF chains options and a total output power of 320W, making it ideal for macro sites.

Model Code

RF4439d-25A

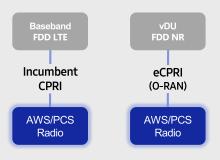




Points of Differentiation

Continuous Migration

Samsung's AWS/PCS macro radio can support each incumbent CPRI interface as well as advanced eCPRI interfaces. This feature provides installable options for both legacy LTE networks and added NR networks.



Baseband

ecosystem.

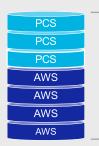
O-RAN Compliant

Samsung Dual-band Radio

Optimum Spectrum Utilization

The number of required carriers varies according to site (region). Supporting many carriers is essential for using all frequencies that the operator has available.

The new AWS/PCS dual-band radio can support up to 3 carriers in the PCS (1.9GHz) band and 4 carriers in the AWS (2.1GHz) band, respectively.



Supports up to 7 carriers

Brand New Features in a Compact Size

O-RAN Compliant

A standardized O-RAN radio can help in implementing cost-

effective networks, which are capable of sending more data

eCPRI

)-RAN

Samsung's state-of-the-art O-RAN technology will help accelerate the effort toward constructing a solid O-RAN

without compromising additional investments.

Samsung's AWS/PCS macro radio offers several features, such as dual connectivity for baseband for both CDU and vDU, O-RAN capability, more carriers and an enlarged PCS spectrum, combined into an incumbent radio volume of 36.8L.



2 FH connectivity O-RAN capability

> More carriers and spectrum

Same as an incumbent radio volume



Technical Specifications

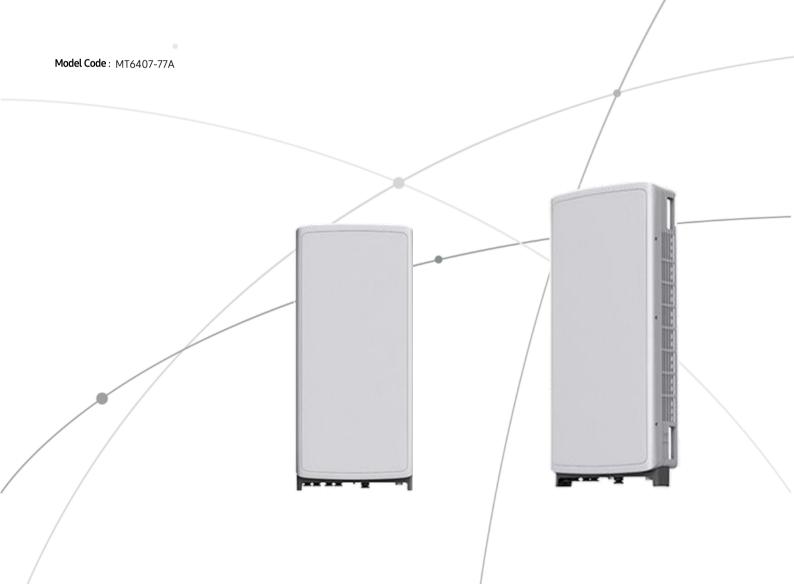
Item	Specification
Tech	LTE/NR
Brand	B25(PCS), B66(AWS)
Frequency Band	DL: 1930 – 1995MHz, UL: 1850 – 1915MHz DL: 2110 – 2200MHz, UL: 1710 – 1780MHz
RF Power	(B25) 4 × 40W or 2 × 60W (B66) 4 × 60W or 2 × 80W
IBW/OBW	(B25) 65MHz / 30MHz (B66) DL 90MHz, UL 70MHz / 60MHz
Installation	Pole, Wall
Size/ Weight	14.96 x 14.96 x 10.04inch (36.8L) / 74.7lb

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..



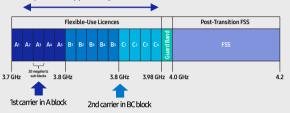
Points of Differentiation

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

C-Band spectrum supported by Massive MIMO Radio



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.

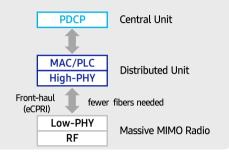
This helps operators reduce their CAPEX as they now need less products to cover the same area than before.

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



Future Proof Product

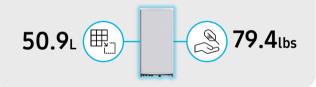
Samsung C-Band 64T64R Massive MIMO radio supports not only CPRI but also eCPRI as front-haul interface. It enables operators can cut down on OPEX/CAPEX by reducing front-haul bandwidth through low layer split and using ethernet based higher efficient line.



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



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

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ATTACHMENT 3

	General	Power	Density					
Site Name: Hamden 2								
Tower Height: Verizon @ 71.2ft	t, 73.2ft, 74.7ft							
CARRIER	# OF CHAN.	WATTS ERP	HEIGHT	FREQ.	CALC. POWER DENS	MAX. PERMISS.EXP.	FRACTION MPE	Total
*AT&T	1	1476	70	700	0.1296	0.4667	2.78%	
*AT&T	1	1476	70	850	0.1296	0.5667	2.29%	
*AT&T	1	1285	70	2300	0.1128	1.0000	1.13%	
*AT&T	1	1476	70	850	0.1296	0.5667	2.29%	
*AT&T	1	1000	70	700	0.0878	0.4667	1.88%	
*AT&T	2	3664	70	1900	0.6434	1.0000	6.43%	
*AT&T	1	3837	70	2100	0.3369	1.0000	3.37%	
*AT&T	1	530	70	850	0.0465	0.5667	0.82%	
*T-Mobile	8	1223	70	1900	0.8590	1.0000	8.59%	
*T-Mobile	2	1485	70	2100	0.2608	1.0000	2.61%	
*Hamden Fire Dept			72		0.0028	1	0.03%	
*Hamden Police			93.5		0.0159	1	0.16%	
VZW 700	4	1146	73.2	751	0.0308	0.5007	6.14%	
VZW CDMA	2	421	73.2	877.26	0.0056	0.5848	0.97%	
VZW Cellular	4	891	73.2	874	0.0239	0.5827	4.11%	
VZW PCS	4	1164	73.2	1977.5	0.0313	1.0000	3.13%	
VZW AWS	4	2812	73.2	2120	0.0755	1.0000	7.55%	
VZW CBRS	4	56	71.2	3625	0.0016	1.0000	0.16%	
VZW CBAND	2	13335	74.7	3730.08	0.1719	1.0000	17.19%	
								71.60%
* Source: Siting Council								

ATTACHMENT 4

GAVIRIA Engineering, LLC

*Project No.: 2022-0215.004A*Date: June 8, 2022 (REV 1)

Tower Structural Analysis

Verizon Wireless Site Name: Hamden 2 CT

SCOPE: 5G L-Sub6 – Carrier Add

Site Address: 265 Benham Street, Hamden, CT 06514

Prepared for:



63-2 North Branford Road Branford, CT 06405 P: (203) 488-0580

F: (203) 488-8587



20 Alexander Drive Wallingford, CT 06492

Structure Capacity:

98.2% (PASS)

Table of Contents:

Section 1: Report

- Introduction
- Antenna and Appurtenance Summary
- Primary Assumptions used in the Analysis
- Analysis
- Structure Loading
- Results
- Conclusion

Section 2: Calculations

- tnx Tower Input/Output Summary
- tnx Tower Feed Line Plan
- tnx Tower Feed Line Distribution
- tnx Tower Guy Anchor and Reactions Diagram
- tnx Tower Detailed Output
- Guy Anchor Bolt Capacity Analysis
- Tower Base Analysis

Section 3: Reference Material (Not Attached)

- RFDS as prepared by Verizon Wireless, REV 3, dated May 9, 2022.
- At&t Mobility Tower Structural Analysis Report as prepared by Centek Engineering, Inc.,
 project number 21111.00, dated October 25, 2021.
- Post-Modification Antenna Mount Analysis Report and PMI Requirements as prepared by Maser Consulting Connecticut, dated January 24, 2022.
- Mount Modification Drawings as prepared by Maser Consulting Connecticut, dated January 24, 2022.

Introduction:

The tower structure consists of a ±65-ft four section, three (3) legged guyed lattice tower, originally designed and manufactured by Fred A. Nudd Corporation. The tower type, geometry and structure member sizes were taken from a previous structural analysis report as prepared by Centek Engineering, Inc. project no. 21111.00 dated October 25, 2021.

The tower is made up of four (4) vertical sections consisting of A36 MOD-50 solid steel legs. Diagonal and horizontal bracing consists of A36 solid round and steel angle construction. The vertical tower legs are connected together with bolted flanges while bracing is connected by fully welded connections. The width of the tower face is ± 2.5 -ft.

Antenna and appurtenance inventory was taken from the aforementioned Centek structural analysis report and a Verizon Wireless RF datasheet. All information provided to this office is assumed to be accurate and complete.

Equipment Summary:

The existing and proposed loads considered in the analysis consist of the following:

☐ Table 1 - Equipment Inventory (Existing):

Center Line Elevation (ft)	Qty	Equipment	Mount Type	Lines	Owner/Tenant
±108.0′	1	2-ft Dish	Leg Mount	(1)-7/8" Coax	
±107.0′	2	1-ft x 1-ft panel antennas	Leg Mount	(2)-3/8" Coax	
±106.0′	1	10-ft Omni-directional whip antenna	2-ft side arm	(1)-7/8" Coax	
±106.0	1	20-ft dipole antenna	3-ft side arm	(1)-7/8" Coax	
±104.0′	1	1-ft x 1-ft panel antenna	Leg Mount	(1)-3/8" Coax	Municipal
±99.5	1	1-ft x 1-ft panel antenna	Leg Mount	(1)-3/8" Coax	
±85.0′	1	20-ft dipole antenna	3-ft side arm	(1)-7/8" Coax	
	4	Andrew DB844G65ZAXY			
	3	Andrew HBXX-6517DS			
	2	Andrew LNX-6514DS			
	2	RFS APL866513			
	1	Andrew SBNHH-1D45B		(12)-1 5/8"	
±73.16′	2	Andrew SBNHH-1D65B	T-Frames	Coax	Verizon
	1	JMA X7C-FRO-640		(2)-1 5/8"	
	3	Nokia UHFA B25 RRH 4x30		Fiber	
	3	Nokia UHIC B4 RRH 2X60-4R			
	2	Raycap OVP-6			
	3	KMW AMX-CD-16-65-00T-RET			
	3	KMW EPBQ-654L8H6-L2			
	3	CCI DMP65R-BU6DA			
	3	CCI DTMABP7819VG12A			
	6	Ericsson RRUS-32			
	3	Ericsson RRUS 4426		(6)-1 5/8"	
±63.33′	3	Surge arrestors	Sector	Coax	At&t
	3	Erricsson 4449 B5/B12	Frames	(6)-DC Cables	
	3	Ericsson 4478 B14		(2)-Fiber Trunks	

☐ Table 2 – Verizon Equipment Inventory (To Be Removed):

Center Line Elevation (ft)	Qty	Equipment	Mount Type	Lines	Owner/Tenant
	3	Andrew HBXX-6517DS			
	2	Andrew LNX-6514DS			
	1	Andrew SBNHH-1D45B			
	2	Andrew SBNHH-1D65B			
	1	JMA X7C-FRO-640			
±73.16′	3	Nokia UHFA B25 RRH		(2)-1 5/8″ Fiber	Verizon
		4x30			
	3	Nokia UHIC B4 RRH			
		2X60-4R			
	2	Raycap OVP-6			

□ Table 3 – Verizon Equipment Inventory (Proposed):

Center Line Elevation (ft)	Qty	Equipment	Mount Type	Lines	Owner/Tenant
	2	Commscope NHH-			
		45B-R2B			
	4	Commscope NHH-			
		65B-R2B			
	3	Samsung MT6407-			
		77A			
	3	Samsung XXDWMM-			
		12.5-65-8T-CBRS			
	2	Commscope			
±73.16′		BSAMNT-SBS-1-2		(3)-1 1/4" Fiber	Verizon
	1	Commscope			
		BSAMNT-SBS-2-2			
	3	Samsung B5/B13			
		RRH-BRO4C (RFV01U-			
		D2A)			
	3	Samsung CBRS RRH-			
		RT4401-48A			
	3	Samsung RF4439d-			
		25A			
	3	Raycap OVP-6			

Primary Assumptions Used in the Analysis:

- The structure's theoretical capacity does not include any assessment of the physical condition of the structure.
- The structure carries the horizontal and vertical loads due to the weight of equipment, ice load and wind.
- The structure was properly designed, installed and maintained.
- The structure is in plumb condition.
- The structure loading (existing/proposed) is as indicated within this report.
- The bolts are appropriately tightened providing the necessary connection continuity.
- All welds are fabricated with ER-70S-6 electrodes.
- All members are "hot dipped" galvanized in accordance with ASTM A123 and ASTM A153 Standards.
- All protective coatings are in good condition.
- All dimensional parameters and member shapes for the existing components are based upon design documentation provided by Centek Engineering, Inc. It is assumed that these parameters are stated correctly therein.
- Proposed equipment specifications are as provided within the Verizon Wireless RF datasheet.
- This analysis assumes that all components and connections are intact, undamaged and are not compromised by corrosion or other defects. Accordingly, no allowance for structural deterioration or damage to the components has been made within this analysis.
- Any deviation from the analyzed antenna loading will require a new analysis for verification of structural adequacy.

Analysis Method:

The existing tower was analyzed using a comprehensive computer program entitled tnx Tower. The program analyzes the tower, considering the worst-case loading condition. The tower is considered as loaded by concentric forces along the tower, and the model assumes that the tower members are subjected to bending, axial, and shear forces.

The existing tower was analyzed for the controlling basing wind speed (3-second gust) with no ice and the applicable wind and ice combination to determine stresses in members as per guidelines of TIA-222-G-2005 entitled *Structural Standard for Antenna Support Structures and Antennas*, the American Institute of Steel Construction (AISC) and the Manual of Steel Construction; Load and Resistance Factor Design (LRFD).

The controlling wind speed is determined by evaluating the local available wind speed data as provided in Appendix N of the Connecticut State Building Code and the wind speed data available in the TIA-222-G-2005 Standard.

Structure Loading:

Loading was determined per the requirements of the 2015 International Building Code as modified by the 2018 Connecticut State Building Code, ANSI/TIA-222-G-2005 Structural Standard for Antenna Supporting Structures, Antennas and Small Wind Turbine Support Structures and ASCE 7-10 Minimum Design Loads for Buildings and Other Structures.

Basic Wind

Speed, V_{des}: Hamden, CT $V_{des} = 97 \text{ mph}$ [Appendix N of the 2018 CT

State Building Code]

[Appendix N of the 2018 CT

Ice Load: Ice Design Thickness = 0.75-in [TIA-222-G Annex B]

Load Cases: **Load Case 1:** 97 mph wind speed Category:

with no ice plus gravity load - used in State Building Code]

calculation of tower stresses and

rotation.

Load Case 2: 50 mph wind speed [TIA-222-G Annex B]

with 0.75-in radial ice plus gravity load used in calculation of tower stresses.

Tower Analysis Results:

The calculated stresses were found to be within allowable limits. The existing tower structure components were found to be at 98.2% of their total capacity.

Component	Elevation (AGL)	Percent Capacity	Results
Leg (T4)	42' - 62'	70.8%	PASS
Diagonal (T3)	62' - 82'	98.2%	PASS
Guy B (T4)	42' - 62'	39.8%	PASS

Guy Anchors and Tower Base Analysis Results:

Guy forces are transferred to the existing building structure through six (6)-9/16"Ø and three (3)-3/4"Ø galvanized steel guy wires with turnbuckles. All guy anchorage posts are positively attached to the existing host structure and consist of HSS6x6x1/4 tube steel with ½" thick guy connection plates with three (3)-5/8"Ø A325-N bolts in double shear. Connections to the existing host structure were originally designed by Natcomm for Verizon Wireless on October 2, 2000, project no. 985094.

The guyed tower base in pin connected to a 1 $\frac{3}{4}$ " thick x 24" square base plate welded to an existing W8 steel frame. Frame loads are then transferred down onto the existing concrete roof structure via four (4) HSS6x6x1/4 steel tube posts with 1 $\frac{1}{4}$ " thick x 12" square base plates.

Review of the anchor and tower base connections consisted of verification of applied loads obtained from the tower design calculations and code checks of allowable stresses:

• The worst case tower base and guy anchor reactions developed from the governing Load Case 2 were used in the verification of the anchorage:

Tower Guy Reac	tions
Vector	Guy C
Horizontal (In-plane of GW)	14.464 kips
Horizontal (Out-of-plane of GW)	0 kips
Vertical	22.321 kips
Tower Base Read	ctions
Vector	Proposed Reaction
Horizontal Shear	0.640 kips
Axial Compression	67.376 kips

The calculated stresses were found to be within allowable limits. The existing guy anchor bolts were found to be at **71.1%** of their total capacity.

Component	Design Limit	Load (Kips)	Percent Capacity	Results
Guy Anchor C	Shear	26.598	71.1%	PASS

Host Structure Analysis Results:

The calculated stresses were found to be within allowable limits. The host structure components were found to be at **76.3%** of their total capacity.

Component	Stress Ratio (Percentage of Capacity)	Results
Guy Anchor Support Beam	49.3%	PASS
Tower Base	76.3%	PASS

Conclusion:

The results of this analysis concludes that that the existing guyed tower and supporting structures **have sufficient capacity** to support the proposed modified antenna configuration.

The analysis is based, in part, on the previous project information provided by Centek Engineering/Verizon Wireless. If the existing conditions are different than the information in this report, Gaviria Engineering, LLC shall be contacted prior to the installation of proposed antenna upgrade outlined within.

Please feel free to call with any questions, comments or concerns regarding this matter.

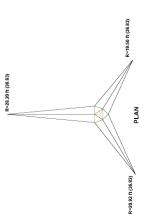
Respectfully Submitted by:

Camilo Gaviria

Camilo A. Gaviria, PE

Structural Engineer

CT PE No.: 27517



R=19.50 ft (36.83)
PLAN
R-20.92 ft (38.83)
-

TYPE	ELEVATION	TYPE	ELEVATION
2 Dish	101.83	SAMSUNG MT6407-77A (Verizon - Proposed)	73.16
1"x 1" Panel (Municipal)	100.83	SAMSUNG XXDWMM-12.5-65-8T-CBRS (Verizon - Proposed)	73.16
1'x 1' Panel (Municipal)	100.83	SAMSUNG XXDWMM-12.5-65-8T-CBRS (Verizon - Proposed)	73.16
10" x 2" Dia Omni (Municipal)	99.83	SAMSUNG XXDWMM-12.5-65-8T-CBRS (Verizon - Proposed)	73.16
2-ft Stand Off (Municipal)	99.83	DB844G65ZAXY (Verizon - Existing)	73.16
20' 4-Bay Dipole (Municipal)	99.83	4478 B14 (ATL - Proposed)	63.33
1"x 1" Panel (Municipal)	97.83	4478 B14 (ATL - Proposed)	63,33
1'x 1' Panel (Municipal)	93.33	DC6-48-60-18-8F Surge Arrestor (ATI - Existing)	63.33
3' Side arm mount (Municipal)	78.83	DC6-48-60-18-8F Surge Arrestor (ATI - Existing)	63.33
20' 4-Bay Dipole (Municipal)	78.83	DC6-48-60-18-8F Surge Arrestor (ATL - Existing)	63.33
SAMSUNG B5/B13 RRH-BRO4C (RFV01U-D2A) (Verizon - Proposed)	73.16	AM-X-CD-16-65-00T-RET(72") (ATL - Existing)	63.33
SAMSUNG CBRS RRH-RT4401-48A (Verizon - Proposed)	73.16	AM-X-CD-16-65-00T-RET(72") (ATI - Existing)	63.33
SAMSUNG CBRS RRH-RT4401-48A (Verizon - Proposed)	73.16	AM-X-CD-16-65-00T-RET(72") (ATI Existing)	63.33
SAMSUNG CBRS RRH-RT4401-48A (Verizon - Proposed)	73.16	DMP65R-BU6DA (ATI - Proposed)	63.33
Pirod 12" T-Frame Sector Mount (1) (Verizon - Existing)	73.16	DMP65R-BU6DA (ATL - Proposed)	63.33
Pirod 12" T.Frame Sector Mount (1) (Verizon - Existing)	73.16	DMP65R-BU6DA (ATL - Proposed)	63.33
Pirod 12" T-Frame Sector Mount (1) (Verizon - Existing)	73.16	EPBQ-654L8H6-L2 (ATI - Existing)	63.33
APL866513-42T0 (Verizon - Existing)	73.16	EPBQ-654L8H6-L2 (ATI - Existing)	63.33
DB844G65ZAXY (Verizon - Existing)	73.16	EPBQ-654_8H6-L2 (ATI - Existing)	63.33
DB844G65ZAXY (Verizon - Existing)	73.16	4426 B66 (ATL - Existing)	63.33
SAMSUNG B5/B13 RRH-BRO4C (RFV01U-D2A) (Verizon - Proposed)	73.16	4426 B66 (ATL - Existing)	63.33
SAMSUNG B5/B13 RRH-BRO4C (RFV01U-D2A) (Verizon - Proposed)	73.16	4426 B66 (ATI - Existing)	63.33
DB844G65ZAXY (Verizon - Existing)	73.16	4449 B5/B12 (ATI - Proposed)	63.33
DB-T1-6Z-8AB-0Z (Verizon - Proposed)	73.16	4449 B5/B12 (ATL - Proposed)	63.33
APL866513-42T0 (Verizon - Existing)	73.16	4449 B5/B12 (ATL - Proposed)	63.33
DB-T1-6Z-8AB-0Z (Verizon - Proposed)	73.16	4478 B14 (ATL - Proposed)	63.33
DB-T1-6Z-8AB-0Z (Verizon - Proposed)	73.16	RRUS-32 (ATI - Existing)	62.33
SAMSUNG RF4439d-25A (Verizon - Proposed)	73.16	RRUS-32 (ATL - Existing)	62.33
SAMSUNG RF4439d-25A (Verizon - Proposed)	73.16	RRUS-32 (ATI - Existing)	62.33
SAMSUNG RF4439d-25A (Verizon - Proposed)	73.16	RRUS-32 (ATI - Existing)	62.33
COMMSCOPE NHH-63B-R2B (Verizon - Proposed)	73.16	RRUS-32 (ATT - Existing)	62.33
COMMSCOPE NHH-658-R28 (Verizon - Proposed)	73.16	SitePro VFA12-HD (ATI Existing)	62.33
COMMSCOPE NHH-63B-R2B (Verizon - Proposed)	73.16	SitePro VFA12-HD (ATI - Existing)	62.33
COMMSCOPE NHH-658-R28 (Verizon - Proposed)	73.16	SitePro VFA12-HD (ATIL - Existing)	62.33
Commscope NHH-458-R28 (Verizon - Proposed)	73.16	DTMABP7819VG12A TMA (ATI - Existing)	62.33
Commiscope NHH-45B-R2B (Verizon - Proposed)	73.16	DTMABP7819VG12A TMA (ATI - Existing)	62.33
SAMSUNG MT6407-77A (Verizon - Proposed)	73.16	DTMABP7819VG12A TMA (ATI - Existing)	62.33
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		2.5		Face Width (ft)
		9L/0X4/L LX4/L L7		sletnozhoH
		91/6%471 1/4%3716		Bottom Girts
		9L/8X47L LX47L L7		Shi Girts
		9EV		oben2 lenogeid
		SH AS		Piegonals
		03-M8£A		Leg Grade
		Z/I I '8S		s6a7
IT	21	ci .	12	Section

TOWER DESIGN NOTES

Fu

Fy

MATERIAL STRENGTH
Fu GRADE

65 ksi

Ą

GRADE 50 ksi

- Tower is located in New Haven County, Connecticut.
 Tower designed for Exposure B to the ITA-222-Standard.
 Tower designed for 8 7 mph late, with ITA-222-C Standard.
 Tower designed for 8 97 mph basic wind with 0.75 in ice. Ice is considered to increase in thickness with height.
 Tower sine shoes designed for a 80 mph basic wind with 0.75 in ice. Ice is considered to increase in thickness with height.
 Deflections are based upon a 80 mph wind.
 Tower Structure Class II.
 Tooographic Category 1 with Creat Height of 0.00 ft.
 Tooographic Category 1 with Creat Height of 0.00 ft.
 Tower RATING: 88.2%

Gaviria Engineering, LLC 022.0215.004A	lob: 2022.0215.004A		
171 South Main Street	Project 65-ft NUDD Guyed Tower - vZw Hamden 2CT	vZw Hamden 2CT	
Manchester CT 06040	Client: Verizon Wireless	Drawn by: CAG	App*d:
	Code: TIA-222-G	Date: 02/18/22	Scale: NTS
FAX:	Pasti:	DECEMBER OF THE PROPERTY OF THE SERVICE OF THE PROPERTY OF THE	Dwg No. E-1

Feed Line Plan

App Out Face

App In Face

_ Flat

Round

(4) 15/8 (Verizon - Existing)

(4) 15/8 (Verizon - Existing)

(4) 15/8 (Verizon - Existing)

(6) 15/8 (AT&T - Existing)

(7) PROBLEM AND Copper Wire (AT&T - Existing)

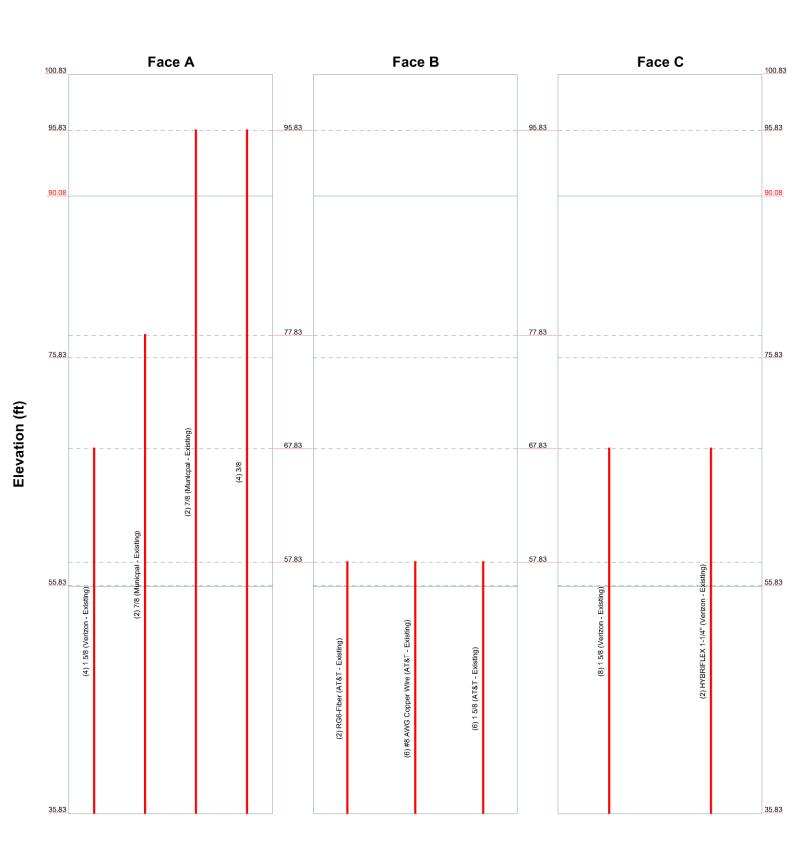
(8) PROBLEM AND Copper Wire (AT&T - Existing)

(9) PROBLEM AND Copper Wire (AT&T - Existing)

(9) PROBLEM AND Copper Wire (AT&T - Existing)

Gaviria Engineering, LLC	^{Job:} 2022.0215.004A		
171 South Main Street	Project: 65-ft NUDD Guyed Towe	r - vZw Hamden 2CT	
Manchester, CT 06040	^{Client:} Verizon Wireless	Drawn by: CAG	App'd:
Phone: (860) 281-7996	^{Code:} TIA-222-G	Date: 02/18/22	Scale: NTS
	Path: F1J088 ARCHIVE ->2022-0215 0040044 vZw Heroden 2 CTI01 Stru	ctureh TNX Tower165 NUDD Guved Twr. v2w Hernden 2.C.	Dwg No. E-7

35'9-31/32'' - 100'9-31/32'' Round ______ Flat _____ App In Face _____ App Out Face _____ Truss Leg



Gaviria Engineering, LLC	^{lob:} 2022.0215.004A		
171 South Main Street	Project: 65-ft NUDD Guyed Tower	- vZw Hamden 2CT	
Manchester, CT 06040	Client: Verizon Wireless	Drawn by: CAG	App'd:
	Code: TIA-222-G	Date: 02/18/22	Scale: NTS
`EAÝ.	Path:		Dwg No. = 7

4 7	
tnvi	<i>Sower</i>
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Tower Input Data

The main tower is a 3x guyed tower with an overall height of 100.83 ft above the ground line.

The base of the tower is set at an elevation of 35.83 ft above the ground line.

The face width of the tower is 2.50 ft at the top and 2.50 ft at the base.

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

The following design criteria apply:

- Tower is located in New Haven County, Connecticut.
- Basic wind speed of 97 mph.
- Structure Class II.
- Exposure Category B.
- Topographic Category 1.
- Crest Height 0.00 ft.
- Nominal ice thickness of 0.750 in.
- Ice thickness is considered to increase with height.
- Ice density of 56 pcf.
- A wind speed of 50 mph is used in combination with ice.
- Temperature drop of 50 °F.
- Deflections calculated using a wind speed of 60 mph.
- Tension only take-up is 0.031 in.
- Pressures are calculated at each section.
- Stress ratio used in tower member design is 1.
- Safety factor used in guy design is 1.
- · Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

Consider Moments - Legs Consider Moments - Horizontals Consider Moments - Diagonals Use Moment Magnification

- √ Use Code Stress Ratios
- ✓ Use Code Safety Factors Guys Escalate Ice
 Always Use Max Kz
 Use Special Wind Profile
- √ Include Bolts In Member Capacity
- √ Leg Bolts Are At Top Of Section Secondary Horizontal Braces Leg Use Diamond Inner Bracing (4 Sided)
- √ SR Members Have Cut Ends SR Members Are Concentric

Distribute Leg Loads As Uniform Assume Legs Pinned Assume Rigid Index Plate Use Clear Spans For Wind Area

- √ Use Clear Spans For KL/r
- √ Retension Guys To Initial Tension
 Bypass Mast Stability Checks
 Use Azimuth Dish Coefficients
- √ Project Wind Area of Appurt.
- Autocalc Torque Arm Areas
 Add IBC .6D+W Combination
- √ Sort Capacity Reports By Component Triangulate Diamond Inner Bracing Treat Feed Line Bundles As Cylinder Ignore KL/ry For 60 Deg. Angle Legs

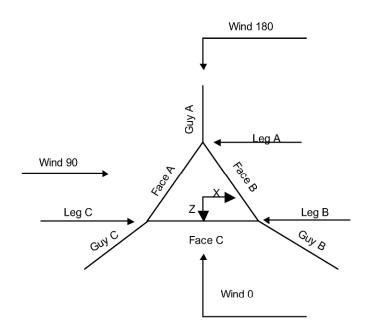
Use ASCE 10 X-Brace Ly Rules Calculate Redundant Bracing Forces Ignore Redundant Members in FEA SR Leg Bolts Resist Compression

- √ All Leg Panels Have Same Allowable Offset Girt At Foundation
- ✓ Consider Feed Line Torque
 Include Angle Block Shear Check
 Use TIA-222-G Bracing Resist. Exemption
 Use TIA-222-G Tension Splice Exemption
 Poles

Include Shear-Torsion Interaction Always Use Sub-Critical Flow Use Top Mounted Sockets Pole Without Linear Attachments Pole With Shroud Or No Appurtenances Outside and Inside Corner Radii Are Known

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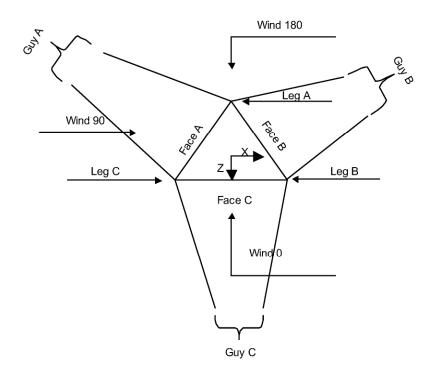


Corner & Starmount Guyed Tower

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Face Guyed

Tower Section Geometry

Tower	Tower	Assembly	Description	Section	Number	Section
Section	Elevation	Database		Width	of	Length
					Sections	
	ft			ft		ft
T1	100.83-95.83			2.50	1	5.00
T2	95.83-75.83			2.50	1	20.00
T3	75.83-55.83			2.50	1	20.00
T4	55.83-35.83			2.50	1	20.00

Tower	Tower	Diagonal	Bracing	Has	Has	Top Girt	Bottom Girt
Section	Elevation	Spacing	Туре	K Brace	Horizontals	Offset	Offset
				End			
	ft	ft		Panels		in	in
T1	100.83-95.83	2.46	TX Brace	No	Yes	0.000	1.000

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tuvi	<i>Tower</i>
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Tower	Tower	Diagonal	Bracing	Has	Has	Top Girt	Bottom Girt
Section	Elevation	Spacing	Туре	K Brace	Horizontals	Offset	Offset
	C.			End			
	ft	ft		Panels		in	in
T2	95.83-75.83	2.83	TX Brace	No	Yes	1.000	1.000
T3	75.83-55.83	2.83	TX Brace	No	Yes	1.000	1.000
T4	55.83-35.83	2.85	TX Brace	No	Yes	1.000	0.000

Tower Section Geometry (cont'd)

Tower	Leg	Leg	Leg	Diagonal	Diagonal	Diagonal
Elevation ft	Туре	Size	Grade	Туре	Size	Grade
T1 100.83-95.83	Solid Round	1 1/2	A36M-50 (50 ksi)	Solid Round	1/2	A36 (36 ksi)
T2 95.83-75.83	Solid Round	1 1/2	A36M-50 (50 ksi)	Solid Round	1/2	A36 (36 ksi)
T3 75.83-55.83	Solid Round	1 1/2	A36M-50 (50 ksi)	Solid Round	1/2	A36 (36 ksi)
T4 55.83-35.83	Solid Round	1 1/2	A36M-50 (50 ksi)	Solid Round	1/2	A36 (36 ksi)

Tower Section Geometry (cont'd)

Tower	Top Girt	Top Girt	Top Girt	Bottom Girt	Bottom Girt	Bottom Girt
Elevation ft	Туре	Size	Grade	Туре	Size	Grade
T1 100.83-95.83	Single Angle	L1 1/4x1 1/4x3/16	A36 (36 ksi)	Single Angle	L1 1/4x1 1/4x3/16	A36 (36 ksi)
T2 95.83-75.83	Single Angle	L1 1/4x1 1/4x3/16	A36 (36 ksi)	Single Angle	L1 1/4x1 1/4x3/16	A36 (36 ksi)
T3 75.83-55.83	Single Angle	L1 1/4x1 1/4x3/16	A36 (36 ksi)	Single Angle	L1 1/4x1 1/4x3/16	A36 (36 ksi)
T4 55.83-35.83	Single Angle	L1 1/4x1 1/4x3/16	A36 (36 ksi)	Single Angle	L1 1/4x1 1/4x3/16	A36 (36 ksi)

Tower	No.	Mid Girt	Mid Girt	Mid Girt	Horizontal	Horizontal	Horizontal
Elevation	of	Туре	Size	Grade	Туре	Size	Grade
	Mid						
ft	Girts						
T1 100.83-95.83	None	Flat Bar		A36	Single Angle	L1 1/4x1 1/4x3/16	A36
				(36 ksi)			(36 ksi)
T2 95.83-75.83	None	Flat Bar		A36	Single Angle	L1 1/4x1 1/4x3/16	A36
				(36 ksi)			(36 ksi)
T3 75.83-55.83	None	Flat Bar		A36	Single Angle	L1 1/4x1 1/4x3/16	A36
				(36 ksi)			(36 ksi)
T4 55.83-35.83	None	Flat Bar		A36	Single Angle	L1 1/4x1 1/4x3/16	A36
				(36 ksi)			(36 ksi)

tnx7	ower

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Tower Section Geometry (cont'd)

Tower	Gusset	Gusset	Gusset Grade	Adjust. Factor	Adjust.	Weight Mult.	Double Angle	Double Angle	Double Angle
Elevation	Area	Thickness		A_f	Factor		Stitch Bolt	Stitch Bolt	Stitch Bolt
	(per face)				A_r		Spacing	Spacing	Spacing
							Diagonals	Horizontals	Redundants
ft	ft ²	in					in	in	in
T1	0.00	0.000	A36	1	1	1.05	36.000	36,000	36.000
100.83-95.83			(36 ksi)						
T2 95.83-75.83	0.00	0.000	A36	1	1	1.05	36.000	36.000	36.000
			(36 ksi)						
T3 75.83-55.83	0.00	0.000	A36	1	1	1.05	36.000	36.000	36.000
			(36 ksi)						
T4 55.83-35.83	0.00	0.000	A36	1	1	1.05	36.000	36.000	36.000
			(36 ksi)						

Tower Section Geometry (cont'd)

						K Fac	$ctors^{I}$			
Tower	Calc	Calc	Legs	X	K	Single	Girts	Horiz.	Sec.	Inner
Elevation	K	K		Brace	Brace	Diags			Horiz.	Brace
	Single	Solid		Diags	Diags					
	Angles	Rounds		X	X	X	X	X	X	X
ft				Y	Y	Y	Y	Y	Y	Y
T1	Yes	Yes	1	1	1	1	1	1	1	1
100.83-95.83				1	1	1	1	1	1	1
T2	Yes	Yes	1	1	1	1	1	1	1	1
95.83-75.83				1	1	1	1	1	1	1
T3	Yes	Yes	1	1	1	1	1	1	1	1
75.83-55.83				1	1	1	1	1	1	1
T4	Yes	Yes	1	1	1	1	1	1	1	1
55.83-35.83				1	1	1	1	1	1	1

¹Note: K factors are applied to member segment lengths. K-braces without inner supporting members will have the K factor in the out-of-plane direction applied to the overall length.

Tower Elevation ft	Leg		Diago	nal	Top G	irt	Botton	i Girt	Mid	Girt	Long Ho	rizontal	Short Ho	rizontal
Ji	Net Width Deduct	U	Net Width Deduct	U	Net Width Deduct	U	Net Width	U	Net Width	U	Net Width	U	Net Width	U
	in		in		in		Deduct in		Deduct in		Deduct in		Deduct in	
T1 100.83-95.83	0.000	1	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75
T2 95.83-75.83	0.000	1	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75
T3 75.83-55.83	0.000	1	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75
T4 55.83-35.83	0.000	1	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75

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Tower Elevation ft	Redund Horizoi		Reduna Diago		Redund Sub-Diag		Redun Sub-Hor		Redundan	t Vertical	Redundo	ınt Hip	Redundo Diago	
	Net Width	U	Net Width	U	Net Width	U	Net	U	Net	U	Net	U	Net	U
	Deduct		Deduct		Deduct		Width		Width		Width		Width	
	in		in		in		Deduct		Deduct		Deduct		Deduct	
							in		in		in		in	
T1	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75
100.83-95.83														
T2 95.83-75.83	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75
T3 75.83-55.83	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75
T4 55.83-35.83	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75

Tower	Leg	Leg		Diagon	ıal	Top G	irt	Bottom	Girt	Mid G	irt	Long Hori	zontal	Short Hori	izontal
Elevation ft	Connection Type														
		Bolt Size	No.	Bolt Size	No.	Bolt Size	No.	Bolt Size	No.						
		in		in		in		in		in		in		in	
T1	Flange	0.875	1	0.000	0	0.625	0	0.000	0	0.625	0	0.000	0	0.625	0
100.83-95.83		A325N		A325N		A325N		A325N		A325N		A325N		A325N	
T2 95.83-75.83	Flange	0.875	1	0.000	0	0.625	0	0.000	0	0.625	0	0.000	0	0.625	0
		A325N		A325N		A325N		A325N		A325N		A325N		A325N	
T3 75.83-55.83	Flange	0.875	1	0.000	0	0.500	0	0.000	0	0.625	0	0.000	0	0.625	0
		A325N		A325N		A325N		A325N		A325N		A325N		A325N	
T4 55.83-35.83	Flange	0.875	1	0.000	0	0.625	0	0.000	0	0.625	0	0.000	0	0.625	0
		A325N		A325N		A325N		A325N		A325N		A325N		A325N	

Guy Data												
Guy Elevation	Guy Grade		Guy Size	Initial Tension	%	Guy Modulus	Guy Weight	L_u	Anchor Radius	Anchor Azimuth Adj.	Anchor Elevation	End Fitting Efficiency
ft				lb		ksi	plf	ft	ft	ó	ft	%
90.08	EHS	A B C	9/16 9/16 9/16	3500.00 3500.00 3500.00	10% 10% 10%	21000 21000 21000	0.671 0.671 0.671	59.60 56.24 56.71	28.20 19.50 20.92	0.0000 0.0000 0.0000	36.83 36.83 36.83	100% 100% 100%
55.7467	EHS	A B C	3/4 3/4 3/4	5830.00 5830.00 5830.00	10% 10% 10%	19000 19000 19000	1.155 1.155 1.155	32.74 26.13 27.13	28.20 19.50 20.92	0.0000 0.0000 0.0000	36.83 36.83 36.83	100% 100% 100%

			G	uy Data	(cont'd)		
Guy Elevation ft	Mount Type	Torque-Arm Spread	Torque-Arm Leg Angle	Torque-Arm Style	Torque-Arm Grade	Torque-Arm Type	Torque-Arm Size
,		ft	0				
90.08	Torque Arm	5.00	45.0000	Dog Ear	A36 (36 ksi)	Single Angle	L2x2x5/16 L3x3x1/4

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Guy Elevation ft	Mount Type	Torque-Arm Spread ft	Torque-Arm Leg Angle	Torque-Arm Style	Torque-Arm Grade	Torque-Arm Type	Torque-Arm Size
55.7467	Corner						

				Guy Data (cont'c	1)		
Guy Elevation ft	Diagonal Grade	Diagonal Type	Upper Diagonal Size	Lower Diagonal Size	Is Strap.	Pull-Off Grade	Pull-Off Type	Pull-Off Size
90.08	A36	Solid Round				A36	Single Angle	
55.75	(36 ksi) A36 (36 ksi)	Solid Round				(36 ksi) A36 (36 ksi)	Single Angle	

Guy Data (cont'd)												
Guy	Cable	Cable	Cable	Cable	Tower	Tower	Tower	Tower				
Elevation	Weight	Weight	Weight	Weight	Intercept	Intercept	Intercept	Intercept				
	\widetilde{A}	B	\check{C}	D	A	B	C	D^{-1}				
ft	lb	lb	lb	lb	ft	ft	ft	ft				
90.08	39.99	37.73	38.05		0.34	0.30	0.31					
55.7467	37.81	30.18	31.33		1.0 sec/pulse 0.11	0.07	1.0 sec/pulse 0.07					
					0.6 sec/pulse	0.4 sec/pulse	0.5 sec/pulse					

			Guy Data (cont'd)							
			Torqu	ıe Arm	Puli	! Off	Diag	gonal		
Guy Elevation ft	Calc K Single Angles	Calc K Solid Rounds	K_x	K_y	K_x	K_y	K_x	K_y		
90.08 55.7467	Yes No	Yes No	1	1	1 1	1 1	1 1	1 1		

						Gu	y Dat	a (cont	'd)				
_				,							P	,	
			Torq	ue-Arm			Pu	ll Off			Diag	gonal	
	Guy	Bolt Size	Number	Net Width	U	Bolt Size	Number	Net Width	U	Bolt Size	Number	Net Width	U
	Elevation	in		Deduct		in		Deduct		in		Deduct	
	ft			in				in				in	
	90.08	0.000	0	0.000	1	0.625	0	0.000	0.75	0.625	0	0.000	0.75
		A325N				A325N				A325N			
	55.7467	0.000	0	0.000	1	0.625	0	0.000	0.75	0.625	0	0.000	0.75
		A325N				A325N				A325N			

tnx7	ower

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			Guy Pre	ssures	
Guy Elevation	Guy Location	Z	q_z	q_z Ice	Ice Thickness
ft		ft	psf	psf	in
90.08	A	63.46	18	5	1.601
	В	63.46	18	5	1.601
	C	63.46	18	5	1.601
55.7467	A	46.29	16	4	1.552
	В	46.29	16	4	1.552
	C	46.29	16	4	1.552

			ıy-Mast	. 0.000	(=/(0.0.0.	<u> </u>			
Guy Elevation	Guy Location	Chord Angle	Guy Tension Top Bottom lb	F_x	F_y	F_z	M_x	M_y	M_z
ft		0		lb	lb	lb	kip-ft	kip-ft	kip-ft
90.08	A	63.2217	3535.70 3500.00	-147.44	3160.57	-1578.04	-4.56	4.16	-7.90
	A	63.2217	3535.70 3500.00	147.44	3160.57	-1578.04	-4.56	-4.16	7.90
	В	71.1026	3535.70 3500.00	1055.49	3347.10	428.96	9.66	3.05	0.00
	В	71.1026	3535.70 3500.00	899.24	3347.10	699.60	-4.83	-3.05	-8.37
	С	69.7581	3535.70 3500.00	-967.99	3319.61	737.80	-4.79	3.24	8.30
	С	69.7581	3535.70 3500.00	-1122.95	3319.61	469.41	9.58	-3.24	0.00
			Sum:	-136.21	19654.57	-820.32	0.50	0.00	-0.07
55.7467	A	35.2599	5851.83 5830.00	0.00	3390.76	-4769.35	-4.89	0.00	0.00
	В	46.3325	5851.83 5830.00	3492.66	4240.16	2016.49	3.06	0.00	-5.30
	С	44.1644	5851.83 5830.00	-3628.59	4085.14	2094.97	2.95	-0.00	5.11
			Sum:	-135.93	11716.06	-657.89	1.11	0.00	-0.19

Guy-Mast Forces (Excluding Wind) - Ice											
Guy Elevation	Guy Location	Chord Angle	Guy Tension Top Bottom lb	F_x	F_y	F_z	M_x	M_y	M_z		
ft		0		lb	lb	lb	kip-ft	kip-ft	kip-ft		
90.08	A	63.2217	5092.29 4831.36	-207.90	4575.71	-2225.09	-6.60	5.86	-11.44		
	A	63.2217	5092.29 4831.36	207.90	4575.71	-2225.09	-6.60	-5.86	11.44		
	В	71.1026	5030.52	1469.82	4773.77	597.35	13.78	4.24	0.00		

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171 South Main Street

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Guy	Guy	Chord	Guy Tension	F_x	F_{ν}	F_z	M_x	M_{ν}	M_z
Elevation	Location	Angle	Top						
		_	Bottom						
			lb						
ft		0		lb	lb	lb	kip-ft	kip-ft	kip-fi
			4769.59						
	В	71.1026	5030.52	1252.23	4773.77	974.23	-6.89	-4.24	-11.9
			4769.59						
	C	69.7581	5039.02	-1350.31	4744.38	1029.20	-6.85	4.52	11.86
			4778.09						
	C	69.7581	5039.02	-1566.47	4744.38	654.80	13.70	-4.52	0.00
			4778.09						
			Sum:	-194.72	28187.74	-1194.60	0.53	0.00	-0.07
55.7467	A	35.2599	8052.85	0.00	4708.96	-6532.54	-6.80	0.00	0.00
			7948.57						
	В	46.3325	8007.90	4757.11	5826.92	2746.52	4.21	0.00	-7.28
			7903.62						
	C	44.1644	8014.16	-4946.12	5622.10	2855.65	4.06	-0.00	7.03
			7909.87						
			Sum:	-189.01	16157.98	-930.38	1.47	0.00	-0.26

Guy	Guy	Chord	Guy Tension	F_x	F_y	F_z	M_x	M_y	M_z
Elevation	Location	Angle	Top Bottom						
ft		0	lb	lb	lb	lb	kip-ft	kip-ft	kip-fi
90.08	A	63.2217	3535.70 3500.00	-147.44	3160.57	-1578.04	-4.56	4.16	-7.90
	A	63.2217	3535.70 3500.00	147.44	3160.57	-1578.04	-4.56	-4.16	7.90
	В	71.1026	3535.70 3500.00	1055.49	3347.10	428.96	9.66	3.05	0.00
	В	71.1026	3535.70 3500.00	899.24	3347.10	699.60	-4.83	-3.05	-8.37
	С	69.7581	3535.70 3500.00	- 967.99	3319.61	737.80	-4.79	3.24	8.30
	C	69.7581	3535.70 3500.00	-1122.95	3319.61	469.41	9.58	-3.24	0.00
			Sum:	-136.21	19654.57	-820.32	0.50	0.00	-0.07
55.7467	A	35.2599	5851.83 5830.00	0.00	3390.76	-4769.35	-4.89	0.00	0.00
	В	46.3325	5851.83 5830.00	3492.66	4240.16	2016.49	3.06	0.00	-5.30
	C	44.1644	5851.83 5830.00	-3628.59	4085.14	2094.97	2.95	-0.00	5.11
			Sum:	-135.93	11716.06	-657.89	1.11	0.00	-0.19

Guy-Tensioning Information Temperature At Time Of Tensioning 0 F 20 F 40 F 60 F 80 F 100 F 120 F

tnx7	ower

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Project		Date
	65-ft NUDD Guyed Tower - vZw Hamden 2CT	20:12:51 02/18/22
Client	Verizon Wireless	Designed by CAG

Guy Elevation		H	V	Initial Tension	Intercept												
ft		ft	ft	lb	ft	lb	ft	lb	ft	lb	ft	lb	ft	lb	ft	lb	ft
90.08	A	26.87	53.25	3823	0.31	3715	0.32	3608	0.33	3500	0.34	3393	0.35	3285	0.36	3178	0.37
	В	18.23	53.25	3667	0.29	3611	0.29	3556	0.30	3500	0.30	3444	0.31	3389	0.31	3333	0.32
	C	19.64	53.25	3691	0.29	3627	0.30	3563	0.30	3500	0.31	3437	0.31	3373	0.32	3310	0.32
55.7467	Α	26.76	18.92	7488	0.08	6935	0.09	6382	0.10	5830	0.11	5278	0.12	4728	0.13	4178	0.15
	В	18.06	18.92	7017	0.06	6621	0.06	6225	0.06	5830	0.07	5435	0.07	5040	0.08	4645	0.08
	С	19.48	18.92	7111	0.06	6684	0.06	6257	0.07	5830	0.07	5403	0.08	4977	0.09	4551	0.09

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description		Allow	Exclude	Component	Placement	Face	Lateral	#	#	Clear		Perimeter	Weight
	or Leg	Shield	From Torque	Туре	ft	Offset in	Offset (Frac FW)		Per Row	spacing in	Diameter in	in	plf
	200		Calculation		J		(2.402.77)		20077			•••	PS
1 5/8	A	No	No	Ar (CaAa)	67.83 -	0.000	-0.1	4	4	1.000	1.980		1.04
(Verizon -					35.83					1.980			
Existing)													
1 5/8	C	No	No	Ar (CaAa)	67.83 -	0.000	0.1	8	8	1.000	1.980		1.04
(Verizon -					35.83								
Existing)													
7/8	Α	No	No	Ar (CaAa)	77.83 -	0.000	0.2	2	2	1.110	1.110		0.54
(Municpal -					35.83								
Existing)													
7/8	A	No	No	Ar (CaAa)	95.83 -	0.000	0.25	2	2	1.110	1.110		0.54
(Municpal -					35.83								
Existing)													
RG6-Fiber	В	No	No	Ar (CaAa)	57.83 -	0.000	0.38	2	2	0.500	0.500		1.00
(AT&T -					35.83								
Existing)													
#8 AWG	В	No	No	Ar (CaAa)	57.83 -	0.000	0.4	6	6	0.250	0.129		0.05
Copper WIre					35.83								
(AT&T -													
Existing)													
1 5/8	В	No	No	Ar (CaAa)	57.83 -	0.000	0.1	6	6	1.980	1.980		1.04
(AT&T -					35.83								
Existing)													
HYBRIFLEX	C	No	No	Ar (CaAa)	67.83 -	0.000	-0.35	2	2	1.540	1.540		1.30
1-1/4"					35.83								
(Verizon -													
Existing)													
3/8	Α	No	No	Ar (CaAa)	95.83 - 35.83	0.000	0.3	4	4	0.500	0.500		0.40

Feed Line/Linear Appurtenances Section Areas

Tower	Tower	Face	A_R	A_F	$C_A A_A$	$C_A A_A$	Weight
Section	Elevation				In Face	Out Face	
	ft		ft ²	ft ²	ft ²	ft ²	lb
T1	100.83-95.83	A	0.000	0.000	0.000	0.000	0.00
		В	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
T2	95.83-75.83	A	0.000	0.000	8.884	0.000	55.76
		В	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
T3	75.83-55.83	Α	0.000	0.000	22.384	0.000	125.12
		В	0.000	0.000	2.730	0.000	17.08

tnx7	ower

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	65-ft NUDD Guyed Tower - vZw Hamden 2CT	20:12:51 02/18/22
Client	Verizon Wireless	Designed by CAG

Tower	Tower	Face	A_R	A_F	$C_A A_A$	$C_A A_A$	Weight
Section	Elevation				In Face	Out Face	
	ft		ft²	ft²	ft^2	ft²	lb
		С	0.000	0.000	22.704	0.000	131.04
T4	55.83-35.83	A	0.000	0.000	28.720	0.000	158.40
		В	0.000	0.000	27.302	0.000	170.80
		C	0.000	0.000	37.840	0.000	218.40

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower	Tower	Face	Ice	A_R	A_F	$C_A A_A$	$C_A A_A$	Weight
Section	Elevation	or	Thickness			In Face	Out Face	
	ft	Leg	in	ft ²	ft ²	ft ²	ft ²	lb
T1	100.83-95.83	A	1.673	0.000	0.000	0.000	0.000	0.00
		В		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.00
T2	95.83-75.83	A	1.650	0.000	0.000	41.378	0.000	424.55
		В		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.00
T3	75.83-55.83	A	1.607	0.000	0.000	80.993	0.000	895.81
		В		0.000	0.000	9.436	0.000	121.89
		C		0.000	0.000	53.597	0.000	754.46
T4	55.83-35.83	A	1.550	0.000	0.000	94.505	0.000	1062.41
		В		0.000	0.000	93.222	0.000	1181.83
		C		0.000	0.000	88.601	0.000	1222.40

Feed Line Center of Pressure

Section	Elevation	CP_X	CP_Z	CP_X	CP_Z
				Ice	Ice
	ft	in	in	in	in
T1	100.83-95.83	0.000	0.000	0.000	0.000
T2	95.83-75.83	-0.928	-2.923	-0.671	-2.065
T3	75.83-55.83	-1.822	0.703	-1.039	-0.553
T4	55.83-35.83	0.343	1.282	1.044	0.374

Shielding Factor Ka

Tower	Feed Line	Description	Feed Line	K_a	K_a
Section	Record No.		Segment Elev.	No Ice	Ice
T2	3	7/8	75.83 - 77.83	0.6000	0.3044
T2	4	7/8	75.83 - 95.83	0.6000	0.3044
T2	9	3/8	75.83 - 95.83	0.6000	0.3044
T3	1	1 5/8	55.83 - 67.83	0.6000	0.3168
T3	2	1 5/8	55.83 - 67.83	0.6000	0.3168
T3	3	7/8	55.83 - 75.83	0.6000	0.3168
T3	4	7/8	55.83 - 75.83	0.6000	0.3168
T3	5	RG6-Fiber	55.83 - 57.83	0.6000	0.3168
T3	6	#8 AWG Copper WIre	55.83 - 57.83	0.6000	0.3168
T3	7	1 5/8	55.83 - 57.83	0.6000	0.3168
T3	8	HYBRIFLEX 1-1/4"	55.83 - 67.83	0.6000	0.3168

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Project		Date
	65-ft NUDD Guyed Tower - vZw Hamden 2CT	20:12:51 02/18/22
Client	Verizon Wireless	Designed by CAG

Tower	Feed Line	Description	Feed Line	K_a	K_a
Section	Record No.		Segment Elev.	No Ice	Ice
T3	9	3/8	55.83 - 75.83	0.6000	0.3168
T4	1	1 5/8	35.83 - 55.83	0.6000	0.3325
T4	2	1 5/8	35.83 - 55.83	0.6000	0.3325
T4	3	7/8	35.83 - 55.83	0.6000	0.3325
T4	4	7/8	35.83 - 55.83	0.6000	0.3325
T4	5	RG6-Fiber	35.83 - 55.83	0.6000	0.3325
T4	6	#8 AWG Copper WIre	35.83 - 55.83	0.6000	0.3325
T4	7	1 5/8	35.83 - 55.83	0.6000	0.3325
T4	8	HYBRIFLEX 1-1/4"	35.83 - 55.83	0.6000	0.3325
T4	9	3/8	35.83 - 55.83	0.6000	0.3325

— ·		_	
I lie	Croto	Tower	Loade
DI3	CIELE	LOWEL	LUQUS

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert	Azimuth Adjustment	Placement		C_AA_A Front	$egin{aligned} C_A A_A \ Side \end{aligned}$	Weighi
			ft ft ft	0	ft		ft²	ft²	lb
DB844G65ZAXY	A	From Leg	3.00	0.0000	73.16	No Ice	4.34	3.61	16.00
(Verizon - Existing)			6.00			1/2" Ice	4.66	3.92	48.76
			0.00			1" Ice	4.98	4.23	86.00
DB844G65ZAXY	Α	From Leg	3.00	0.0000	73.16	No Ice	4.34	3.61	16.00
(Verizon - Existing)			-6.00			1/2" Ice	4.66	3.92	48.76
			0.00			1" Ice	4.98	4.23	86.00
APL866513-42T0	В	From Leg	3.00	0.0000	73.16	No Ice	4.05	3.61	20.00
(Verizon - Existing)			6.00			1/2" Ice	4.36	3.92	47.29
-			0.00			1" Ice	4.68	4.23	82.99
APL866513-42T0	В	From Leg	3.00	0.0000	73.16	No Ice	4.05	3.61	20.00
(Verizon - Existing)		· ·	-6.00			1/2" Ice	4.36	3.92	47.29
			0.00			1" Ice	4.68	4.23	82.99
DB844G65ZAXY	C	From Leg	3.00	0.0000	73.16	No Ice	4.34	3.61	16.00
(Verizon - Existing)			6.00			1/2" Ice	4.66	3.92	48.76
			0.00			1" Ice	4.98	4.23	86.00
DB844G65ZAXY	C	From Leg	3.00	0.0000	73.16	No Ice	4.34	3.61	16.00
(Verizon - Existing)			-6.00			1/2" Ice	4.66	3.92	48.76
()			0.00			1" Ice	4.98	4.23	86.00
DB-T1-6Z-8AB-0Z	C	From Face	0.50	0.0000	73.16	No Ice	4.80	2.00	40.00
(Verizon - Proposed)			0.00			1/2" Ice	5.07	2.19	80.13
			0.00			1" Ice	5.35	2.39	120.22
DB-T1-6Z-8AB-0Z	A	From Face	0.50	0.0000	73.16	No Ice	4.80	2.00	40.00
(Verizon - Proposed)			0.00			1/2" Ice	5.07	2.19	80.13
			0.00			1" Ice	5.35	2.39	120.22
SAMSUNG B5/B13	A	From Face	3.00	0.0000	73.16	No Ice	1.88	1.01	29.40
RRH-BRO4C			4.00			1/2" Ice	2.05	1.14	45.83
(RFV01U-D2A)			0.00			1" Ice	2.22	1.28	64.93
(Verizon - Proposed)									
SAMSUNG B5/B13	В	From Face	3.00	0.0000	73.16	No Ice	1.88	1.01	29.40
RRH-BRO4C			4.00			1/2" Ice	2.05	1.14	45.83
(RFV01U-D2A)			0.00			1" Ice	2.22	1.28	64.93
(Verizon - Proposed)									
SAMSUNG B5/B13	C	From Face	3.00	0.0000	73.16	No Ice	1.88	1.01	29.40
RRH-BRO4C			4.00			1/2" Ice	2.05	1.14	45.83
(RFV01U-D2A)			0.00			1" Ice	2.22	1.28	64.93

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Project		Date
	65-ft NUDD Guyed Tower - vZw Hamden 2CT	20:12:51 02/18/22
Client	Madana Marahan	Designed by
	Verizon Wireless	CAG

Description	Face or	Offset Type	Offsets: Horz	Azimuth Adjustment	Placement		C_AA_A Front	C_AA_A Side	Weight
	Leg		Lateral Vert						
			ft	0	ft		ft^2	ft^2	lb
			ft		2		5	5	
ari b b			ft						
(Verizon - Proposed) SAMSUNG CBRS	A	From Face	3.00	0.0000	73.16	No Ice	0.86	0.42	18.60
RRH-RT4401-48A	А	110m race	-3.50	0.0000	73.10	1/2" Ice	0.80	0.42	25.50
(Verizon - Proposed)			-1.00			1" Ice	1.10	0.61	34.20
SAMSUNG CBRS	В	From Face	3.00	0.0000	73.16	No Ice	0.86	0.42	18.60
RRH-RT4401-48A			-3.50			1/2" Ice	0.98	0.51	25.50
(Verizon - Proposed)			-1.00			1" Ice	1.10	0.61	34.20
SAMSUNG CBRS	C	From Face	3.00	0.0000	73.16	No Ice	0.86	0.42	18.60
RRH-RT4401-48A			-3.50			1/2" Ice	0.98	0.51	25.50
(Verizon - Proposed)	٨	From Lag	-1.00 2.00	0.0000	72 16	1" Ice No Ice	1.10 13.60	0.61	34.20 465.00
Pirod 12' T-Frame Sector Mount (1)	A	From Leg	0.00	0.0000	73.16	1/2" Ice	18.40	13.60 18.40	600.00
(Verizon - Existing)			0.00			1" Ice	23.20	23.20	735.00
Pirod 12' T-Frame Sector	В	From Leg	2.00	0.0000	73.16	No Ice	13.60	13.60	465.00
Mount (1)			0.00			1/2" Ice	18.40	18.40	600.00
(Verizon - Existing)			0.00			1" Ice	23.20	23.20	735.00
Pirod 12' T-Frame Sector	C	From Leg	2.00	0.0000	73.16	No Ice	13.60	13.60	465.00
Mount (1)			0.00			1/2" Ice	18.40	18.40	600.00
(Verizon - Existing)			0.00		<	1" Ice	23.20	23.20	735.00
DC6-48-60-18-8F Surge	Α	From Face	0.50	0.0000	63.33	No Ice	1.91	1.91	20.00
Arrestor			0.50 0.00			1/2" Ice 1" Ice	2.10 2.29	2.10 2.29	39.36 61.70
(AT&T - Existing) AM-X-CD-16-65-00T-RET(7	A	From Face	2.00	0.0000	63.33	No Ice	8.02	4.64	50.00
2")	А	110m race	-5.00	0.0000	05.55	1/2" Ice	8.48	5.09	96.50
(AT&T - Existing)			0.00			1" Ice	8.94	5.54	149.00
AM-X-CD-16-65-00T-RET(7	В	From Face	2.00	0.0000	63.33	No Ice	8.02	4.64	50.00
2")			-5.00			1/2" Ice	8.48	5.09	96.50
(AT&T - Existing)			0.00			1" Ice	8.94	5.54	149.00
AM-X-CD-16-65-00T-RET(7	C	From Face	2.00	0.0000	63.33	No Ice	8.02	4.64	50.00
2")			-5.00			1/2" Ice	8.48	5.09	96.50
(AT&T - Existing)		D D	0.00	0.0000	(2.22	1" Ice	8.94	5.54	149.00
DMP65R-BU6DA	A	From Face	2.00 5.00	0.0000	63.33	No Ice 1/2" Ice	12.71 13.21	5.62 6.07	79.40 153.36
(AT&T - Proposed)			0.00			1" Ice	13.71	6.53	233.96
DMP65R-BU6DA	В	From Face	2.00	0.0000	63.33	No Ice	12.71	5.62	79.40
(AT&T - Proposed)	Ъ	11011111100	5.00	0.0000	05.55	1/2" Ice	13.21	6.07	153.36
()			0.00			1" Ice	13.71	6.53	233.96
DMP65R-BU6DA	C	From Face	2.00	0.0000	63.33	No Ice	12.71	5.62	79.40
(AT&T - Proposed)			5.00			1/2" Ice	13.21	6.07	153.36
			0.00			1" Ice	13.71	6.53	233.96
EPBQ-654L8H6-L2	Α	From Face	2.00	0.0000	63.33	No Ice	13.24	4.96	70.00
(AT&T - Existing)			0.00			1/2" Ice	13.74	5.41	145.16
EDDO (541 911(1.2	ъ	F F	0.00	0.0000	(2.22	1" Ice	14.26	5.88	224.01
EPBQ-654L8H6-L2 (AT&T - Existing)	В	From Face	2.00 0.00	0.0000	63.33	No Ice 1/2" Ice	13.24 13.74	4.96 5.41	70.00 145.16
(AT&T - Existing)			0.00			1" Ice	14.26	5.88	224.01
EPBQ-654L8H6-L2	C	From Face	2.00	0.0000	63.33	No Ice	13.24	4.96	70.00
(AT&T - Existing)		11011111100	0.00	0.000	00.00	1/2" Ice	13.74	5.41	145.16
			0.00			1" Ice	14.26	5.88	224.01
DTMABP7819VG12A TMA	A	From Face	2.00	0.0000	62.33	No Ice	0.00	0.00	20.00
(AT&T - Existing)			5.00			1/2" Ice	0.00	0.00	29.77
D		n	0.00			1" Ice	0.00	0.00	41.67
DTMABP7819VG12A TMA	В	From Face	2.00	0.0000	62.33	No Ice	0.00	0.00	20.00
(AT&T - Existing)			5.00			1/2" Ice	0.00	0.00	29.77
DTM A DD70103/C12 A TN4 A	C	From Food	0.00	0.0000	62.22	1" Ice	0.00	0.00	41.67
DTMABP7819VG12A TMA	C	From Face	2.00	0.0000	62.33	No Ice	0.00	0.00	20.00

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Client		Designed by
	Verizon Wireless	CAG

	or	Туре	Horz	Adjustment			Front	Side	Weight
	Leg		Lateral Vert	-					
			ft	0	ft		ft^2	ft^2	lb
			ft ft						
			0.00			1" Ice	0.00	0.00	41.67
RRUS-32	Α	From Face	2.00	0.0000	62.33	No Ice	3.31	2.42	80.00
(AT&T - Existing)			0.00			1/2" Ice	3.56	2.64	104.93
DDIIC 22	D	F F	0.00	0.0000	(2.22	1" Ice	3.81	2.86	136.47
RRUS-32 (AT&T - Existing)	В	From Face	2.00 0.00	0.0000	62.33	No Ice 1/2" Ice	3.31 3.56	2.42 2.64	80.00 104.93
(AT&T - Existing)			0.00			1" Ice	3.81	2.86	136.47
RRUS-32	С	From Face	2.00	0.0000	62.33	No Ice	3.31	2.42	80.00
(AT&T - Existing)			0.00			1/2" Ice	3.56	2.64	104.93
ζ,			0.00			1" Ice	3.81	2.86	136.47
RRUS-32	A	From Face	2.00	0.0000	62.33	No Ice	3.31	2.42	80.00
(AT&T - Existing)			2.00			1/2" Ice	3.56	2.64	104.93
			0.00			1" Ice	3.81	2.86	136.47
RRUS-32	В	From Face	2.00	0.0000	62.33	No Ice	3.31	2.42	80.00
(AT&T - Existing)			2.00			1/2" Ice	3.56	2.64	104.93
DDIIC 22	C	E	0.00	0.0000	62.22	1" Ice	3.81	2.86	136.47
RRUS-32 (AT&T - Existing)	C	From Face	2.00 2.00	0.0000	62.33	No Ice 1/2" Ice	3.31 3.56	2.42 2.64	80.00 104.93
(AT&T - Existing)			0.00			1" Ice	3.81	2.86	136.47
4426 B66	Α	From Face	2.00	0.0000	63.33	No Ice	1.65	0.73	50.00
(AT&T - Existing)	7.1	11011111100	0.00	0.0000	05.55	1/2" Ice	1.81	0.84	61.85
(III Zilishing)			0.00			1" Ice	1.98	0.97	77.10
4426 B66	В	From Face	2.00	0.0000	63.33	No Ice	1.65	0.73	50.00
(AT&T - Existing)			0.00			1/2" Ice	1.81	0.84	61.85
			0.00			1" Ice	1.98	0.97	77.10
4426 B66	C	From Face	2.00	0.0000	63.33	No Ice	1.65	0.73	50.00
(AT&T - Existing)			0.00			1/2" Ice	1.81	0.84	61.85
1110 D = D10			0.00		<0.00	1" Ice	1.98	0.97	77.10
4449 B5/B12	Α	From Face	2.00	0.0000	63.33	No Ice	1.97	1.41	70.00
(AT&T - Proposed)			2.00			1/2" Ice 1" Ice	2.14	1.56	89.51
4449 B5/B12	В	From Face	0.00 2.00	0.0000	63.33	No Ice	2.33 1.97	1.73 1.41	110.84 70.00
(AT&T - Proposed)	ь	FIOIII Face	2.00	0.0000	05.55	1/2" Ice	2.14	1.56	89.51
(AT&T - TToposed)			0.00			1" Ice	2.33	1.73	110.84
4449 B5/B12	C	From Face	2.00	0.0000	63.33	No Ice	1.97	1.41	70.00
(AT&T - Proposed)		11011111100	2.00	0.000	05.55	1/2" Ice	2.14	1.56	89.51
()			0.00			1" Ice	2.33	1.73	110.84
4478 B14	A	From Face	2.00	0.0000	63.33	No Ice	1.84	1.06	60.00
(AT&T - Proposed)			0.00			1/2" Ice	2.01	1.20	75.88
			0.00			1" Ice	2.19	1.34	94.39
4478 B14	В	From Face	2.00	0.0000	63.33	No Ice	1.84	1.06	60.00
(AT&T - Proposed)			0.00			1/2" Ice	2.01	1.20	75.88
4470 D14	C	F	0.00	0.0000	(2.22	1" Ice	2.19	1.34	94.39
4478 B14 (AT&T - Proposed)	C	From Face	2.00 0.00	0.0000	63.33	No Ice 1/2" Ice	1.84 2.01	1.06 1.20	60.00
(A1&1 - Proposed)			0.00			1" Ice	2.01	1.20	75.88 94.39
DC6-48-60-18-8F Surge	В	From Face	0.50	0.0000	63.33	No Ice	1.91	1.91	20.00
Arrestor	Б	110m race	0.50	0.0000	05.55	1/2" Ice	2.10	2.10	39.36
(AT&T - Existing)			0.00			1" Ice	2.29	2.29	61.70
DC6-48-60-18-8F Surge	C	From Face	0.50	0.0000	63.33	No Ice	1.91	1.91	20.00
Arrestor			0.50			1/2" Ice	2.10	2.10	39.36
(AT&T - Existing)			0.00			1" Ice	2.29	2.29	61.70
SitePro VFA12-HD	A	From Leg	2.25	0.0000	62.33	No Ice	21.00	21.00	750.00
(AT&T - Existing)			0.00			1/2" Ice	25.00	25.00	900.00
at a reprint	-	-	0.00	0.00		1" Ice	29.00	29.00	1050.00
SitePro VFA12-HD	В	From Leg	2.25 0.00	0.0000	62.33	No Ice 1/2" Ice	21.00 25.00	21.00 25.00	750.00 900.00

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Project		Date
	65-ft NUDD Guyed Tower - vZw Hamden 2CT	20:12:51 02/18/22
Client	Verizon Wireless	Designed by CAG

Description	Face or	Offset Type	Offsets: Horz	Azimuth Adjustment	Placement		C_AA_A Front	C_AA_A Side	Weight
	Leg		Lateral Vert						
			ft	0	ft		ft^2	ft^2	lb
			ft ft						
			0.00			1" Ice	29.00	29.00	1050.00
SitePro VFA12-HD	С	From Leg	2.25	0.0000	62.33	No Ice	21.00	21.00	750.00
(AT&T - Existing)			0.00			1/2" Ice 1" Ice	25.00 29.00	25.00 29.00	900.00 1050.00
10' x 2" Dia Omni	В	From Leg	3.00	0.0000	99.83	No Ice	2.00	2.00	20.00
(Municipal)	_	110111 208	0.00	0.0000	33.02	1/2" Ice	3.02	3.02	30.50
			5.00			1" Ice	4.07	4.07	52.47
2-ft Stand Off	В	From Leg	1.50	0.0000	99.83	No Ice	1.07	1.07	20.00
(Municipal)			0.00 0.00			1/2" Ice 1" Ice	1.62	1.62	28.00
20' 4-Bay Dipole	C	From Leg	3.00	0.0000	99.83	No Ice	2.17 4.00	2.17 4.00	36.00 55.00
(Municipal)		From Leg	0.00	0.0000	77.65	1/2" Ice	6.00	6.00	100.00
()			6.00			1" Ice	8.00	8.00	145.00
3' Side arm mount	В	From Leg	1.50	0.0000	78.83	No Ice	2.00	2.00	70.00
(Municipal)			0.00			1/2" Ice	2.60	2.60	82.00
2014 D D' 1	ъ	Б. Т	0.00	0.0000	70.02	1" Ice	3.20	3.20	94.00
20' 4-Bay Dipole (Municipal)	В	From Leg	3.00 0.00	0.0000	78.83	No Ice 1/2" Ice	4.00 6.00	4.00 6.00	55.00 100.00
(Withhelpar)			6.00			1" Ice	8.00	8.00	145.00
1' x 1' Panel	Α	From Leg	1.00	0.0000	100.83	No Ice	1.20	0.32	20.00
(Municipal)			0.00			1/2" Ice	1.34	0.40	25.91
			0.00			1" Ice	1.48	0.49	35.76
1' x 1' Panel	В	From Leg	1.00	0.0000	97.83	No Ice	1.20	0.32	20.00
(Municipal)			$0.00 \\ 0.00$			1/2" Ice 1" Ice	1.34 1.48	0.40 0.49	25.91 35.76
1' x 1' Panel	C	From Leg	1.00	0.0000	100.83	No Ice	1.40	0.49	20.00
(Municipal)	C	r rom Leg	0.00	0.0000	100.05	1/2" Ice	1.34	0.40	25.91
			0.00			1" Ice	1.48	0.49	35.76
1' x 1' Panel	C	From Leg	1.00	0.0000	93.33	No Ice	1.20	0.32	20.00
(Municipal)			0.00			1/2" Ice	1.34	0.40	25.91
DB-T1-6Z-8AB-0Z	В	From Face	0.00 0.50	0.0000	73.16	1" Ice No Ice	1.48 4.80	0.49 2.00	35.76 40.00
(Verizon - Proposed)	ь	rioiii race	0.00	0.0000	/3.10	1/2" Ice	5.07	2.19	80.13
(verizon - rroposed)			0.00			1" Ice	5.35	2.39	120.22
SAMSUNG RF4439d-25A	A	From Face	3.00	0.0000	73.16	No Ice	1.88	1.25	74.70
(Verizon - Proposed)			2.00			1/2" Ice	2.05	1.39	93.04
			0.00			1" Ice	2.22	1.54	114.17
SAMSUNG RF4439d-25A	В	From Face	3.00	0.0000	73.16	No Ice 1/2" Ice	1.88	1.25	74.70
(Verizon - Proposed)			2.00 0.00			1" Ice	2.05 2.22	1.39 1.54	93.04 114.17
SAMSUNG RF4439d-25A	C	From Face	3.00	0.0000	73.16	No Ice	1.88	1.25	74.70
(Verizon - Proposed)		11011111111	2.00	0.0000	,,,,,,	1/2" Ice	2.05	1.39	93.04
• •			0.00			1" Ice	2.22	1.54	114.17
COMMSCOPE	A	From Leg	3.00	0.0000	73.16	No Ice	8.34	7.34	111.74
NHH-65B-R2B			1.42			1/2" Ice	8.87	8.37	183.41
(Verizon - Proposed) COMMSCOPE	Α	From Leg	0.00 3.00	0.0000	73.16	1" Ice No Ice	9.40 8.34	9.26 7.34	263.96 111.74
NHH-65B-R2B	Α	From Leg	2.58	0.0000	75.10	1/2" Ice	8.87	8.37	183.41
(Verizon - Proposed)			0.00			1" Ice	9.40	9.26	263.96
COMMSCOPE	C	From Leg	3.00	0.0000	73.16	No Ice	8.34	7.34	111.74
NHH-65B-R2B			1.42			1/2" Ice	8.87	8.37	183.41
(Verizon - Proposed)	C	F	0.00	0.0000	72.16	1" Ice	9.40	9.26	263.96
COMMSCOPE	С	From Leg	3.00	0.0000	73.16	No Ice 1/2" Ice	8.34	7.34	111.74
NHH-65B-R2B (Verizon - Proposed)			2.58 0.00			1" Ice	8.87 9.40	8.37 9.26	183.41 263.96
Commscope NHH-45B-R2B	В	From Leg	3.00	0.0000	73.16	No Ice	11.63	7.30	114.13
(Verizon - Proposed)	_	8	1.42			1/2" Ice	12.20	8.32	201.26

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Project		Date
	65-ft NUDD Guyed Tower - vZw Hamden 2CT	20:12:51 02/18/22
Client	Verizon Wireless	Designed by CAG

Description	Face or	Offset Type	Offsets: Horz	Azimuth Adjustment	Placement		C_AA_A Front	C_AA_A Side	Weight
	Leg	2) P v	Lateral	114,000			1,000	21110	
			Vert						
			ft	0	ft		ft^2	ft^2	lb
			ft						
			ft						
			0.00			1" Ice	12.76	9.21	297.67
Commscope NHH-45B-R2B	В	From Leg	3.00	0.0000	73.16	No Ice	11.63	7.30	114.13
(Verizon - Proposed)			2.58			1/2" Ice	12.20	8.32	201.26
			0.00			1" Ice	12.76	9.21	297.67
SAMSUNG MT6407-77A	Α	From Face	3.00	0.0000	73.16	No Ice	4.96	2.82	110.26
(Verizon - Proposed)			-3.50			1/2" Ice	5.32	3.29	152.14
			2.00			1" Ice	5.68	3.77	199.72
SAMSUNG MT6407-77A	В	From Face	3.00	0.0000	73.16	No Ice	4.96	2.82	110.26
(Verizon - Proposed)			-3.50			1/2" Ice	5.32	3.29	152.14
			2.00			1" Ice	5.68	3.77	199.72
SAMSUNG MT6407-77A	C	From Face	3.00	0.0000	73.16	No Ice	4.96	2.82	110.26
(Verizon - Proposed)			-3.50			1/2" Ice	5.32	3.29	152.14
			2.00			1" Ice	5.68	3.77	199.72
SAMSUNG	Α	From Face	3.00	0.0000	73.16	No Ice	1.62	1.15	26.06
XXDWMM-12.5-65-8T-CBR			-3.50			1/2" Ice	1.92	1.47	43.83
S			-1.00			1" Ice	2.24	1.82	65.08
(Verizon - Proposed)	ъ.	D D	2.00	0.0000	52.16		1.62		26.06
SAMSUNG	В	From Face	3.00	0.0000	73.16	No Ice	1.62	1.15	26.06
XXDWMM-12.5-65-8T-CBR			-3.50			1/2" Ice	1.92	1.47	43.83
S			-1.00			1" Ice	2.24	1.82	65.08
(Verizon - Proposed) SAMSUNG	С	From Face	3.00	0.0000	73.16	Ma Isa	1.62	1.15	26.06
SAMSUNG XXDWMM-12.5-65-8T-CBR	C	rioin race	-3.50	0.0000	/3.10	No Ice 1/2" Ice	1.62	1.15 1.47	26.06 43.83
XXDWMM-12.5-65-81-CBR S			-3.50 -1.00			1/2" Ice	2.24	1.47	45.85 65.08
(Verizon - Proposed)			-1.00			1 Ice	2.24	1.82	05.08
(venzon - Proposed)									

	Dishes										
Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral Vert	Azimuth Adjustment	3 dB Beam Width	Elevation	Outside Diameter		Aperture Area	Weight
				ft	٥	0	ft	ft		ft^2	lb
2' Dish		Paraboloid	None		Worst		101.83	2.00	No Ice	28.27	50.00
		w/Radome							1/2" Ice 1" Ice	29.07 29.87	100.00 120.00

Tower Pressures - No Ice

 $G_H = \theta.85\theta$

Γ	Section Elevation	Z	K_Z	q_z	A_G	F a	A_F	A_R	A_{leg}	Leg %	C_AA_A In	C_AA_A Out
l	ft	ft		psf	ft²	c e	ft²	ft²	ft²		Face ft²	Face ft²
Γ	T1	98.33	0.983	20	13.125	A	0.781	1.834	1.250	47.79	0.000	0.000
ı	100.83-95.83					В	0.781	1.834		47.79	0.000	0.000

Gaviria Engineering, LLC

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Project		Date
	65-ft NUDD Guyed Tower - vZw Hamden 2CT	20:12:51 02/18/22
Client	Verizon Wireless	Designed by CAG

Section	Z	K_Z	q_z	A_G	F	A_F	A_R	A_{leg}	Leg	$C_A A_A$	C_AA_A
Elevation					а				%	In	Out
					c					Face	Face
ft	ft		psf	ft^2	e	ft ²	ft ²	ft^2		ft^2	ft ²
					C	0.781	1.834		47.79	0.000	0.000
T2 95.83-75.83	85.83	0.946	19	52.500	Α	2.083	7.204	5.000	53.84	8.884	0.000
					В	2.083	7.204		53.84	0.000	0.000
					С	2.083	7.204		53.84	0.000	0.000
T3 75.83-55.83	65.83	0.877	18	52.500	Α	2.083	7.204	5.000	53.84	22.384	0.000
					В	2.083	7.204		53.84	2.730	0.000
					C	2.083	7.204		53.84	22.704	0.000
T4 55.83-35.83	45.83	0.791	16	52.500	Α	2.083	7.209	5.000	53.81	28.720	0.000
					В	2.083	7.209		53.81	27.302	0.000
					C	2.083	7.209		53.81	37.840	0.000

Tower Pressure - With Ice

 $G_H = \theta.85\theta$

Section	Z	K_Z	q_z	t_Z	A_G	F	A_F	A_R	A_{leg}	Leg	$C_A A_A$	$C_A A_A$
Elevation						а				%	In	Out
						С					Face	Face
ft	ft		psf	in	ft^2	e	ft^2	ft ²	ft^2		ft^2	ft^2
T1 100.83-95.83	98.33	0.983	5	1.673	14.519	Α	0.781	10.625	4.038	35.41	0.000	0.000
						В	0.781	10.625		35.41	0.000	0.000
						C	0.781	10.625		35.41	0.000	0.000
T2 95.83-75.83	85.83	0.946	5	1.650	58.002	Α	2.083	38.260	16.003	39.67	41.378	0.000
						В	2.083	38.260		39.67	0.000	0.000
						C	2.083	38.260		39.67	0.000	0.000
T3 75.83-55.83	65.83	0.877	5	1.607	57.857	Α	2.083	37.447	15.715	39.75	80.993	0.000
						В	2.083	37.447		39.75	9.436	0.000
						C	2.083	37.447		39.75	53.597	0.000
T4 55.83-35.83	45.83	0.791	4	1.550	57.667	Α	2.083	36.409	15.334	39.84	94.505	0.000
						В	2.083	36.409		39.84	93.222	0.000
						С	2.083	36.409		39.84	88.601	0.000

Tower Pressure - Service

 $G_H = 0.850$

Section	Z	K_Z	q_z	A_G	F	A_F	A_R	A_{leg}	Leg	$C_A A_A$	$C_A A_A$
Elevation					а				%	In	Out
					c					Face	Face
ft	ft		psf	ft²	е	ft^2	ft^2	ft^2		ft^2	ft^2
T1	98.33	0.983	8	13.125	Α	0.781	1.834	1.250	47.79	0.000	0.000
100.83-95.83					В	0.781	1.834		47.79	0.000	0.000
					C	0.781	1.834		47.79	0.000	0.000
T2 95.83-75.83	85.83	0.946	7	52.500	Α	2.083	7.204	5.000	53.84	8.884	0.000
					В	2.083	7.204		53.84	0.000	0.000
					C	2.083	7.204		53.84	0.000	0.000
T3 75.83-55.83	65.83	0.877	7	52.500	Α	2.083	7.204	5.000	53.84	22.384	0.000
					В	2.083	7.204		53.84	2.730	0.000
					C	2.083	7.204		53.84	22.704	0.000
T4 55.83-35.83	45.83	0.791	6	52.500	Α	2.083	7.209	5.000	53.81	28.720	0.000
					В	2.083	7.209		53.81	27.302	0.000
					C	2.083	7.209		53.81	37.840	0.000

tnx7	ower

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Project		Date
	65-ft NUDD Guyed Tower - vZw Hamden 2CT	20:12:51 02/18/22
Client	N/ 1 N/ 1	Designed by
	Verizon Wireless	CAG

Tower Forces - No Ice - Wind Normal To Face

Section	Add	Self	F	e	C_F	q_z	D_F	D_R	A_E	F	w	Ctrl.
Elevation	Weight	Weight	а									Face
			c			psf						
ft	lb	lb	e						ft^2	lb	plf	
T1	0.00	159.08	Α	0.199	2.598	20	1	1	1.835	81.60	16.32	C
100.83-95.83			В	0.199	2.598		1	1	1.835			
			C	0.199	2.598		1	1	1.835			
T2	55.76	583.12	Α	0.177	2.675	19	1	1	6.196	360.60	18.03	C
95.83-75.83		TA 170.33	В	0.177	2.675		1	1	6.196			
			C	0.177	2.675		1	1	6.196			
T3	273.24	583.12	Α	0.177	2.675	18	1	1	6.196	690.80	34.54	C
75.83-55.83			В	0.177	2.675		1	1	6.196			
			C	0.177	2.675		1	1	6.196			
T4	547.60	583.38	Α	0.177	2.675	16	1	1	6.199	1003.16	50.16	C
55.83-35.83			В	0.177	2.675		1	1	6.199			
			C	0.177	2.675		1	1	6.199			
Sum Weight:	876.60	2079.04								2136.17		

Tower Forces - No Ice - Wind 45 To Face

Section	Add	Self	F	е	C_F	q_z	D_F	D_R	A_E	F	w	Ctrl.
Elevation	Weight	Weight	а									Face
			c			psf						
ſì	lb	lb	е						$\int t^2$	lb	plf	
T1	0.00	159.08	Α	0.199	2.598	20	0.825	1	1.698	75.52	15.10	C
100.83-95.83			В	0.199	2.598		0.825	1	1.698			
			C	0.199	2.598		0.825	1	1.698			
T2	55.76	583.12	Α	0.177	2.675	19	0.825	1	5.831	344.55	17.23	C
95.83-75.83		TA 170.33	В	0.177	2.675		0.825	1	5.831			
			C	0.177	2.675		0.825	1	5.831			
T3	273.24	583.12	Α	0.177	2.675	18	0.825	1	5.831	675.92	33.80	C
75.83-55.83			В	0.177	2.675		0.825	1	5.831			
			C	0.177	2.675		0.825	1	5.831			
T4	547.60	583.38	Α	0.177	2.675	16	0.825	1	5.834	989.74	49.49	C
55.83-35.83			В	0.177	2.675		0.825	1	5.834			
I			C	0.177	2.675		0.825	1	5.834			
Sum Weight:	876.60	2079.04								2085.73		

Tower Forces - No Ice - Wind 60 To Face

Γ	Section	Add	Self	F	e	C_F	q_z	D_F	D_R	A_E	F	w	Ctrl.
ı	Elevation	Weight	Weight	а									Face
ı				С			psf						
L	ft	lb	lb	е						ft ²	lb	plf	
Γ	T1	0.00	159.08	Α	0.199	2.598	20	0.8	1	1.679	74.65	14.93	C
ı	100.83-95.83			В	0.199	2.598		0.8	1	1.679			
I				С	0.199	2.598		0.8	1	1.679			

tnx7	<i>Sower</i>

171 South Main Street

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Phone: (860) 281-7996

FAX:

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	Project		Date
		65-ft NUDD Guyed Tower - vZw Hamden 2CT	20:12:51 02/18/22
	Client	Verizon Wireless	Designed by CAG

Section	Add	Self	F	e	C_F	q_z	D_F	D_R	A_E	F	w	Ctrl.
Elevation	Weight	Weight	а									Face
			c			psf						
ft	lb	lb	e						ft^2	lb	plf	
T2	55.76	583.12	Α	0.177	2.675	19	0.8	1	5.779	342.25	17.11	C
95.83-75.83		TA 170.33	В	0.177	2.675		0.8	1	5.779			
			C	0.177	2.675		0.8	1	5.779			
T3	273.24	583.12	Α	0.177	2.675	18	0.8	1	5.779	673.79	33.69	С
75.83-55.83			В	0.177	2.675		0.8	1	5.779			
			C	0.177	2.675		0.8	1	5.779			
T4	547.60	583.38	Α	0.177	2.675	16	0.8	1	5.782	987.82	49.39	C
55.83-35.83			В	0.177	2.675		0.8	1	5.782			
			C	0.177	2.675		0.8	1	5.782			
Sum Weight:	876.60	2079.04								2078.52		

Tower Forces - No Ice - Wind 90 To Face

Section	Add	Self	F	e	C_F	q_z	D_F	D_R	A_E	F	w	Ctrl.
Elevation	Weight	Weight	а									Face
			c			psf						
ft	lb	lb	e						ft ²	lb	plf	
T1	0.00	159.08	Α	0.199	2.598	20	0.85	1	1.718	76.39	15.28	C
100.83-95.83			В	0.199	2.598		0.85	1	1.718			
			C	0.199	2.598		0.85	1	1.718			
T2	55.76	583.12	Α	0.177	2.675	19	0.85	1	5.883	346.84	17.34	C
95.83-75.83		TA 170.33	В	0.177	2.675		0.85	1	5.883			
			C	0.177	2.675		0.85	1	5.883			
T3	273.24	583.12	Α	0.177	2.675	18	0.85	1	5.883	678.04	33.90	C
75.83-55.83			В	0.177	2.675		0.85	1	5.883			
			C	0.177	2.675		0.85	1	5.883			
T4	547.60	583.38	Α	0.177	2.675	16	0.85	1	5.886	991.66	49.58	C
55.83-35.83			В	0.177	2.675		0.85	1	5.886			
			C	0.177	2.675		0.85	1	5.886			
Sum Weight:	876.60	2079.04								2092.93		

Tower Forces - With Ice - Wind Normal To Face

Section	Add	Self	F	e	C_F	q_z	D_F	D_R	A_E	F	w	Ctrl.
Elevation	Weight	Weight	а									Face
			c			psf						
ft	lb	lb	e						ft^2	lb	plf	
T1	0.00	601.50	Α	0.786	1.806	5	1	1	10.072	82.72	16.54	C
100.83-95.83			В	0.786	1.806		1	1	10.072			
			C	0.786	1.806		1	1	10.072			
T2	424.55	2065.99	Α	0.696	1.776	5	1	1	32.995	311.41	15.57	C
95.83-75.83		TA 553.33	В	0.696	1.776		1	1	32.995			
			C	0.696	1.776		1	1	32.995			
T3	1772.16	2003.52	Α	0.683	1.776	5	1	1	32.014	415.55	20.78	C
75.83-55.83			В	0.683	1.776		1	1	32.014			
			C	0.683	1.776		1	1	32.014			
T4	3466.64	1924.55	Α	0.667	1.778	4	1	1	30.786	442.80*	22.14	C
55.83-35.83			В	0.667	1.778		1	1	30.786			
			C	0.667	1.778		1	1	30.786			

Gaviria Engineering, LLC 171 South Main Street

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	Project		Date
-		65-ft NUDD Guyed Tower - vZw Hamden 2CT	20:12:51 02/18/22
	Client	Verizon Wireless	Designed by CAG

ſ	Section	Add	Self	F	e	C_F	q_z	D_F	D_R	A_E	F	w	Ctrl.
1	Elevation	Weight	Weight	a			nef						Face
1	ft	lb	lb	c e			psf			ft ²	lb	plf	
ı	Sum Weight:	5663.35	7148.88			*2.1A _g				<i>J</i> .	1252.48		
L						limit							

Tower Forces - With Ice - Wind 45 To Face

Section	Add	Self	F	e	C_F	q_z	D_F	D_R	A_E	F	w	Ctrl.
Elevation	Weight	Weight	а									Face
			c			psf			_			
ft	lb	lb	е						ft^2	lb	plf	
T1	0.00	601.50	Α	0.786	1.806	5	0.825	1	9.935	81.60	16.32	C
100.83-95.83			В	0.786	1.806		0.825	1	9.935			
			C	0.786	1.806		0.825	1	9.935			
T2	424.55	2065.99	Α	0.696	1.776	5	0.825	1	32.630	308.58	15.43	C
95.83-75.83		TA 553.33	В	0.696	1.776		0.825	1	32.630			
			C	0.696	1.776		0.825	1	32.630			
T3	1772.16	2003.52	Α	0.683	1.776	5	0.825	1	31.649	412.92	20.65	C
75.83-55.83			В	0.683	1.776		0.825	1	31.649			
			C	0.683	1.776		0.825	1	31.649			
T4	3466.64	1924.55	Α	0.667	1.778	4	0.825	1	30.422	442.80*	22.14	C
55.83-35.83			В	0.667	1.778		0.825	1	30.422			
			C	0.667	1.778		0.825	1	30.422			
Sum Weight:	5663.35	7148.88			$*2.1A_{g}$					1245.90		
					limit							

Tower Forces - With Ice - Wind 60 To Face

Section	Add	Self	F	e	C_F	q_z	D_F	D_R	A_E	F	w	Ctrl.
Elevation	Weight	Weight	а									Face
			c			psf						
ft	lb	lb	ϵ						ft^2	lb	plf	
T1	0.00	601.50	Α	0.786	1.806	5	0.8	1	9.915	81.44	16.29	C
100.83-95.83			В	0.786	1.806		0.8	1	9.915			
			C	0.786	1.806		0.8	1	9.915			
T2	424.55	2065.99	Α	0.696	1.776	5	0.8	1	32.578	308.17	15.41	C
95.83-75.83		TA 553.33	В	0.696	1.776		0.8	1	32.578			
			C	0.696	1.776		0.8	1	32.578			
T3	1772.16	2003.52	Α	0.683	1.776	5	0.8	1	31.597	412.55	20.63	С
75.83-55.83			В	0.683	1.776		0.8	1	31.597			
			С	0.683	1.776		0.8	1	31.597			
T4	3466.64	1924.55	Α	0.667	1.778	4	0.8	1	30.370	442.80*	22.14	C
55.83-35.83			В	0.667	1.778		0.8	1	30.370			
			C	0.667	1.778		0.8	1	30.370			
Sum Weight:	5663.35	7148.88			*2.1A _g					1244.96		
					limit							

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	65-ft NUDD Guyed Tower - vZw Hamden 2CT	20:12:51 02/18/22
Client	Verizon Wireless	Designed by CAG

Tower Forces - With Ice - Wind 90 To Face

Section	Add	Self	F	е	C_F	q_z	D_F	D_R	A_E	F	w	Ctrl.
Elevation	Weight	Weight	а									Face
l			c			psf						
ft	lb	lb	e						ft^2	lb	plf	
T1	0.00	601.50	Α	0.786	1.806	5	0.85	1	9.954	81.76	16.35	С
100.83-95.83			В	0.786	1.806		0.85	1	9.954			
			C	0.786	1.806		0.85	1	9.954			
T2	424.55	2065.99	Α	0.696	1.776	5	0.85	1	32.683	308.98	15.45	C
95.83-75.83		TA 553.33	В	0.696	1.776		0.85	1	32.683			
l			C	0.696	1.776		0.85	1	32.683			
T3	1772.16	2003.52	Α	0.683	1.776	5	0.85	1	31.701	413.30	20.66	C
75.83-55.83			В	0.683	1.776		0.85	1	31.701			
			C	0.683	1.776		0.85	1	31.701			
T4	3466.64	1924.55	Α	0.667	1.778	4	0.85	1	30.474	442.80*	22.14	C
55.83-35.83			В	0.667	1.778		0.85	1	30.474			
			C	0.667	1.778		0.85	1	30.474			
Sum Weight:	5663.35	7148.88			*2.1A _g					1246.84		
					limit							

Tower Forces - Service - Wind Normal To Face

Section	Add	Self	F	e	C_F	q_z	D_F	D_R	A_E	F	w	Ctrl.
Elevation	Weight	Weight	а									Face
			c			psf						
ft	lb	lb	е						ft²	lb	plf	
T1	0.00	159.08	Α	0.199	2.598	8	1	1	1.835	31.22	6.24	C
100.83-95.83			В	0.199	2.598		1	1	1.835			
			C	0.199	2.598		1	1	1.835			
T2	55.76	583.12	Α	0.177	2.675	7	1	1	6.196	137.97	6.90	C
95.83-75.83		TA 170.33	В	0.177	2.675		1	1	6.196			
			C	0.177	2.675		1	1	6.196			
T3	273.24	583.12	Α	0.177	2.675	7	1	1	6.196	264.31	13.22	C
75.83-55.83			В	0.177	2.675		1	1	6.196			
			C	0.177	2.675		1	1	6.196			
T4	547.60	583.38	Α	0.177	2.675	6	1	1	6.199	383.82	19.19	C
55.83-35.83			В	0.177	2.675		1	1	6.199			
			C	0.177	2.675		1	1	6.199			
Sum Weight:	876.60	2079.04								817.32		

Tower Forces - Service - Wind 45 To Face

Section	Add	Self	F	e	C_F	q_z	D_F	D_R	A_E	F	w	Ctrl.
Elevation	Weight	Weight	а									Face
			c			psf						
ft	lb	lb	e						ft^2	lb	plf	
T1	0.00	159.08	Α	0.199	2.598	8	0.825	1	1.698	28.89	5.78	C
100.83-95.83			В	0.199	2.598		0.825	1	1.698			
			C	0.199	2.598		0.825	1	1.698			
T2	55.76	583.12	Α	0.177	2.675	7	0.825	1	5.831	131.83	6.59	C
95.83-75.83		TA 170.33	В	0.177	2.675		0.825	1	5.831			

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	65-ft NUDD Guyed Tower - vZw Hamden 2CT	20:12:51 02/18/22
Clien	t Verizon Wireless	Designed by CAG

Section	Add	Self	F	e	C_F	q_z	D_F	D_R	A_E	F	w	Ctrl.
Elevation	Weight	Weight	а									Face
			c			psf						
ft	lb	lb	е						ft ²	lb	plf	
			С	0.177	2.675		0.825	1	5.831			
T3	273.24	583.12	Α	0.177	2.675	7	0.825	1	5.831	258.61	12.93	C
75.83-55.83			В	0.177	2.675		0.825	1	5.831			
			C	0.177	2.675		0.825	1	5.831			
T4	547.60	583.38	Α	0.177	2.675	6	0.825	1	5.834	378.69	18.93	C
55.83-35.83			В	0.177	2.675		0.825	1	5.834			
			C	0.177	2.675		0.825	1	5.834			
Sum Weight:	876.60	2079.04								798.02		

Tower Forces - Service - Wind 60 To Face

Section	Add	Self	F	e	C_F	q_z	D_F	D_R	A_E	F	w	Ctrl.
Elevation	Weight	Weight	а									Face
			c			psf						
ft	lb	lb	е						ft^2	lb	plf	
T1	0.00	159.08	Α	0.199	2.598	8	0.8	1	1.679	28.56	5.71	C
100.83-95.83			В	0.199	2.598		0.8	1	1.679			
			C	0.199	2.598		0.8	1	1.679			
T2	55.76	583.12	Α	0.177	2.675	7	0.8	1	5.779	130.95	6.55	C
95.83-75.83		TA 170.33	В	0.177	2.675		0.8	1	5.779			
			C	0.177	2.675		0.8	1	5.779			
T3	273.24	583.12	Α	0.177	2.675	7	0.8	1	5.779	257.80	12.89	C
75.83-55.83			В	0.177	2.675		0.8	1	5.779			
			C	0.177	2.675		0.8	1	5.779			
T4	547.60	583.38	Α	0.177	2.675	6	0.8	1	5.782	377.95	18.90	C
55.83-35.83			В	0.177	2.675		0.8	1	5.782			
			C	0.177	2.675		0.8	1	5.782			
Sum Weight:	876.60	2079.04								795.27		

Tower Forces - Service - Wind 90 To Face

Section	Add	Self	F	е	C_F	q_z	D_F	D_R	A_E	F	w	Ctrl.
Elevation	Weight	Weight	а			1-			_			Face
			c			psf						
ft	lb	lb	е						ft²	lb	plf	
T1	0.00	159.08	Α	0.199	2.598	8	0.85	1	1.718	29.23	5.85	C
100.83-95.83			В	0.199	2.598		0.85	1	1.718			
			C	0.199	2.598		0.85	1	1.718			
T2	55.76	583.12	Α	0.177	2.675	7	0.85	1	5.883	132.71	6.64	C
95.83-75.83		TA 170.33	В	0.177	2.675		0.85	1	5.883			
			C	0.177	2.675		0.85	1	5.883			
T3	273.24	583.12	Α	0.177	2.675	7	0.85	1	5.883	259.43	12.97	C
75.83-55.83			В	0.177	2.675		0.85	1	5.883			
			С	0.177	2.675		0.85	1	5.883			
T4	547.60	583.38	Α	0.177	2.675	6	0.85	1	5.886	379.42	18.97	C
55.83-35.83			В	0.177	2.675		0.85	1	5.886			
			C	0.177	2.675		0.85	1	5.886			
Sum Weight:	876.60	2079.04								800.78		

tnx7	ower

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l		65-ft NUDD Guyed Tower - vZw Hamden 2CT	20:12:51 02/18/22
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Force Totals (Does not include forces on guys)

Load	Vertical	Sum of	Sum of	Sum of Torques
Case	Forces	Forces	Forces	Sum of Torques
Case	Torces	X	Z	
	lb	lb	lb	kip-ft
Leg Weight	1231.21	10	10	nup ji
Bracing Weight	847.83			
Total Member Self-Weight	2079.04			
Guy Weight	330.87			
Total Weight	10695.98			
Wind 0 deg - No Ice	10095.90	-24.70	-6711.93	0.05
Wind 30 deg - No Ice		3334.67	-5762.91	0.37
Wind 45 deg - No Ice		4723.62	-4692.92	0.50
Wind 60 deg - No Ice		5788.03	-3305.75	0.59
Wind 90 deg - No Ice		6712.12	24.70	0.65
Wind 120 deg - No Ice		5862.66	3377.36	0.54
Wind 135 deg - No Ice		4778.94	4748.23	0.43
Wind 150 deg - No Ice		3377.45	5787.61	0.28
Wind 180 deg - No Ice		24.70	6654.29	-0.05
Wind 210 deg - No Ice		-3334.67	5762.91	-0.37
Wind 225 deg - No Ice		-4723.62	4692.92	-0.50
Wind 240 deg - No Ice		-5837.95	3334.57	-0.59
Wind 270 deg - No Ice		-6712.12	-24.70	-0.65
Wind 300 deg - No Ice		-5812.74	-3348.54	-0.54
Wind 315 deg - No Ice		-4758.56	-4727.85	-0.43
Wind 330 deg - No Ice		-3377.45	-5787.61	-0.28
Member Ice	5069.85			
Guy Ice	1836.03			
Total Weight Ice	33470.23			
Wind 0 deg - Ice		-6.45	-3052.06	0.11
Wind 30 deg - Ice		1523.73	-2635.05	0.24
Wind 45 deg - Ice		2157.55	-2148.92	0.28
Wind 60 deg - Ice		2643.99	-1516.69	0.31
Wind 90 deg - Ice		3058.63	6.45	0.29
Wind 120 deg - Ice		2656.96	1531.62	0.20
Wind 135 deg - Ice		2169.33	2160.70	0.13
Wind 150 deg - Ice		1534.90	2641.50	0.05
Wind 180 deg - Ice		6.45	3044.54	-0.11
Wind 210 deg - Ice		-1523.73	2635.05	-0.24
Wind 225 deg - Ice		-2157.55	2148.92	-0.28
Wind 240 deg - Ice		-2650.51	1520.45	-0.31
Wind 270 deg - Ice		-3058.63	-6.45	-0.29
Wind 300 deg - Ice		-2650.44	-1527.86	-0.20
Wind 315 deg - Ice		-2166.67	-2158.04	-0.13
Wind 330 deg - Ice		-1534.90	-2641.50	-0.05
Total Weight	10695.98			
Wind 0 deg - Service		-9.45	-2568.07	0.02
Wind 30 deg - Service		1275.88	-2204.96	0.14
Wind 45 deg - Service		1807.32	-1795.57	0.19
Wind 60 deg - Service		2214.57	-1264.82	0.23
Wind 90 deg - Service		2568.14	9.45	0.25
Wind 120 deg - Service		2243.13	1292.22	0.21
Wind 135 deg - Service		1828.48	1816.73	0.16
Wind 150 deg - Service		1292.26	2214.41	0.11
Wind 180 deg - Service		9.45	2546.01	-0.02
Wind 210 deg - Service		-1275.88	2204.96	-0.14
Wind 225 deg - Service		-1807.32	1795.57	-0.19
Wind 240 deg - Service		-2233.67	1275.85	-0.23

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Client	Verizon Wireless	Designed by CAG

Load	Vertical	Sum of	Sum of	Sum of Torques
Case	Forces	Forces	Forces	
		X	Z	
	lb	lb	lb	kip-ft
Wind 270 deg - Service		-2568.14	-9.45	-0.25
Wind 300 deg - Service		-2224.02	-1281.19	-0.21
Wind 315 deg - Service		-1820.68	-1808.94	-0.16
Wind 330 deg - Service		-1292.26	-2214.41	-0.11

Load Combinations

Comb.	Description
No.	<u> </u>
1	Dead Only
2	1.2 Dead+1.6 Wind 0 deg - No Ice+1.0 Guy
3	1.2 Dead+1.6 Wind 30 deg - No Ice+1.0 Guy
4	1.2 Dead+1.6 Wind 45 deg - No Ice+1.0 Guy
5	1.2 Dead+1.6 Wind 60 deg - No Ice+1.0 Guy
6	1.2 Dead+1.6 Wind 90 deg - No Ice+1.0 Guy
7	1.2 Dead+1.6 Wind 120 deg - No Ice+1.0 Guy
8	1.2 Dead+1.6 Wind 135 deg - No Ice+1.0 Guy
9	1.2 Dead+1.6 Wind 150 deg - No Ice+1.0 Guy
10	1.2 Dead+1.6 Wind 180 deg - No Ice+1.0 Guy
11	1.2 Dead+1.6 Wind 210 deg - No Ice+1.0 Guy
12	1.2 Dead+1.6 Wind 225 deg - No Ice+1.0 Guy
13	1.2 Dead+1.6 Wind 240 deg - No Ice+1.0 Guy
14	1.2 Dead+1.6 Wind 270 deg - No Ice+1.0 Guy
15	1.2 Dead+1.6 Wind 300 deg - No Ice+1.0 Guy
16	1.2 Dead+1.6 Wind 315 deg - No Ice+1.0 Guy
17	1.2 Dead+1.6 Wind 330 deg - No Ice+1.0 Guy
18	1.2 Dead+1.0 Ice+1.0 Temp+Guy
19	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp+1.0 Guy
20	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp+1.0 Guy
21	1.2 Dead+1.0 Wind 45 deg+1.0 Ice+1.0 Temp+1.0 Guy
22	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp+1.0 Guy
23	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp+1.0 Guy
24	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp+1.0 Guy
25	1.2 Dead+1.0 Wind 135 deg+1.0 Ice+1.0 Temp+1.0 Guy
26	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp+1.0 Guy
27	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp+1.0 Guy
28	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp+1.0 Guy
29	1.2 Dead+1.0 Wind 225 deg+1.0 Ice+1.0 Temp+1.0 Guy
30	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp+1.0 Guy
31	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp+1.0 Guy
32	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp+1.0 Guy
33	1.2 Dead+1.0 Wind 315 deg+1.0 Ice+1.0 Temp+1.0 Guy
34	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp+1.0 Guy
35	Dead+Wind 0 deg - Service+Guy
36	Dead+Wind 30 deg - Service+Guy
37	Dead+Wind 45 deg - Service+Guy
38	Dead+Wind 60 deg - Service+Guy
39	Dead+Wind 90 deg - Service+Guy
40	Dead+Wind 120 deg - Service+Guy
41	Dead+Wind 135 deg - Service+Guy
42	Dead+Wind 150 deg - Service+Guy
43	Dead+Wind 180 deg - Service+Guy
44	Dead+Wind 210 deg - Service+Guy
45	Dead+Wind 225 deg - Service+Guy

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	Project		Date
l		65-ft NUDD Guyed Tower - vZw Hamden 2CT	20:12:51 02/18/22
	Client	Verizon Wireless	Designed by CAG

Comb.	Description
No.	
46	Dead+Wind 240 deg - Service+Guy
47	Dead+Wind 270 deg - Service+Guy
48	Dead+Wind 300 deg - Service+Guy
49	Dead+Wind 315 deg - Service+Guy
50	Dead+Wind 330 deg - Service+Guy

Maximum Member Forces

Section	Elevation	Component	Condition	Gov.	Axial	Major Axis	Minor Axis
No.	ft	Туре		Load		Moment	Moment
				Comb.	lb	kip-ft	kip-ft
T1	100.83 - 95.83	Leg	Max Tension	10	2908.88	-0.00	0.04
			Max. Compression	13	-7906.33	-0.05	0.01
			Max. Mx	6	-4549.65	0.06	-0.02
			Max. My	16	-5887.61	0.04	-0.06
			Max. Vy	14	-528.12	-0.00	0.01
			Max. Vx	10	534.75	-0.00	-0.00
		Diagonal	Max Tension	14	4503.61	0.00	0.00
		Horizontal	Max Tension	1	0.00	0.00	0.00
			Max. Compression	12	-5485.08	0.00	0.00
			Max. Mx	24	-5461.82	-0.01	0.00
			Max. Vy	24	11.12	0.00	0.00
			Max. Vx	14	-0.00	0.00	0.00
		Top Girt	Max Tension	1	0.00	0.00	0.00
			Max. Compression	5	-2868.84	0.00	0.00
			Max. Mx	24	-2748.41	-0.01	0.00
			Max. Vy	24	11.12	0.00	0.00
			Max. Vx	14	-0.00	0.00	0.00
		Bottom Girt	Max Tension	1	0.00	0.00	0.00
			Max. Compression	13	-2802.95	0.00	0.00
			Max. Mx	26	-2692.12	-0.01	0.00
			Max. Vy	26	11.12	0.00	0.00
			Max. Vx	14	-0.00	0.00	0.00
T2	95.83 - 75.83	Leg	Max Tension	7	3097.16	-0.07	-0.04
	, p. 105 , p. 105	248	Max. Compression	10	-21521.00	0.01	-0.10
			Max. Mx	6	-16397.23	-0.08	-0.00
			Max. My	10	-21521.00	0.01	-0.10
			Max. Vy	7	-569.23	-0.07	-0.04
			Max. Vx	10	-741.04	0.01	-0.10
		Diagonal	Max Tension	6	4349.72	0.00	0.00
		Horizontal	Max Tension	1	0.00	0.00	0.00
		110112011411	Max. Compression	2	-5655.59	0.00	0.00
			Max. Mx	26	-4199.76	-0.01	0.00
			Max. Vy	26	-10.94	0.00	0.00
			Max. Vx	14	-0.00	0.00	0.00
		Top Girt	Max Tension	1	0.00	0.00	0.00
		Top Ont	Max. Compression	5	-2541.52	0.00	0.00
			Max. Mx	26	-2469.43	-0.01	0.00
			Max. Vy	26	-10.94	0.00	0.00
			Max. Vx	14	-0.00	0.00	0.00
		Bottom Girt	Max Tension	1	0.00	0.00	0.00
		Dottom Ont	Max. Compression	10	-2520.15	0.00	0.00
			Max. Mx	27	-2104.40	-0.01	0.00
			Max. My	14	-2104.40	0.00	-0.00
				27	-2193.88 -10.94	0.00	0.00
			Max. Vy			0.00	
		C···· A	Max. Vx	14	-0.00	0.00	0.00
		Guy A	Bottom Tension	10	6174.61		
			Top Tension	10	6210.18		
			Top Cable Vert	10	5558.64		

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Client	Variation Allianta	Designed by
	Verizon Wireless	CAG

Section No.	Elevation ft	Component Type	Condition	Gov. Load	Axial	Major Axis Moment	Minor Axis Moment
				Comb.	lb	kip-ft	kip-ft
			Top Cable Norm	10	2769.09		
			Top Cable Tan	10	2.35		
			Bot Cable Vert	10	-5489.67		
			Bot Cable Norm	10	2826.52		
			Bot Cable Tan	10	4.38		
		Guy B	Bottom Tension	14	7354.35		
		•	Top Tension	14	7389.79		
			Top Cable Vert	14	6996.71		
			Top Cable Norm	14	2378.03		
			Top Cable Tan	14	6.78		
			Bot Cable Vert	14	-6938.29		
			Bot Cable Norm	14	2438.47		
			Bot Cable Tan	14	20.66		
		Guy C	Bottom Tension	6	7152.32		
		-	Top Tension	6	7187.78		
			Top Cable Vert	6	6750.53		
			Top Cable Norm	6	2468.69		
			Top Cable Tan	6	7.53		
			Bot Cable Vert	6	-6690.62		
			Bot Cable Norm	6	2528.00		
			Bot Cable Tan	6	20.64		
		Torque Arm Top	Max Tension	14	7381.29	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00
			Max. Mx	32	4707.99	-0.02	0.00
			Max. My	14	7367.32	0.00	0.00
			Max. Vy	32	17.46	0.00	0.00
			Max. Vx	14	-0.03	0.00	0.00
		Torque Arm Bottom	Max Tension	12	403.44	0.00	0.00
		-	Max. Compression	14	-5579.63	0.00	0.00
			Max. Mx	33	-1533.57	-0.01	0.00
			Max. My	14	-2255.30	0.00	0.00
			Max. Vy	33	22.57	0.00	0.00
			Max. Vx	14	-0.00	0.00	0.00
T3	75.83 - 55.83	Leg	Max Tension	15	7607.60	-0.20	-0.12
			Max. Compression	2	-28025.90	-0.00	-0.11
			Max. Mx	6	-14105.09	0.33	0.00
			Max. My	10	-17629.90	0.00	0.33
			Max. Vy	14	-3219.91	0.07	0.01
			Max. Vx	10	3397.47	0.00	-0.06
		Diagonal	Max Tension	14	6249.48	0.00	0.00
		Horizontal	Max Tension	1	0.00	0.00	0.00
			Max. Compression	15	-5097.03	0.00	0.00
			Max. Mx	26	-3821.49	-0.01	0.00
			Max. My	14	-4017.55	0.00	-0.00
			Max. Vy	26	10.61	0.00	0.00
			Max. Vx	14	-0.00	0.00	0.00
		Top Girt	Max Tension	1	0.00	0.00	0.00
		1	Max. Compression	15	-2299.21	0.00	0.00
			Max. Mx	27	-2133.98	-0.01	0.00
			Max. My	14	-2166.40	0.00	-0.00
			Max. Vy	27	10.61	0.00	0.00
			Max. Vx	14	-0.00	0.00	0.00
		Bottom Girt		1	0.00	0.00	0.00
		Bottom Girt	Max Tension	1 14	0.00 -1859.80	0.00	0.00
		Bottom Girt	Max Tension Max. Compression	14	-1859.80	0.00	0.00
		Bottom Girt	Max Tension Max. Compression Max. Mx	14 26	-1859.80 -1452.50	0.00 -0.01	$0.00 \\ 0.00$
		Bottom Girt	Max Tension Max. Compression Max. Mx Max. My	14 26 14	-1859.80 -1452.50 -1602.47	0.00 -0.01 0.00	0.00 0.00 -0.00
		Bottom Girt	Max Tension Max. Compression Max. Mx Max. My Max. Vy	14 26 14 26	-1859.80 -1452.50 -1602.47 10.61	0.00 -0.01 0.00 0.00	0.00 0.00 -0.00 0.00
T 4	55 92 25 92		Max Tension Max. Compression Max. Mx Max. My Max. Vy Max. Vx	14 26 14 26 14	-1859.80 -1452.50 -1602.47 10.61 -0.00	0.00 -0.01 0.00 0.00 0.00	0.00 0.00 -0.00 0.00 0.00
T4	55.83 - 35.83	Bottom Girt Leg	Max Tension Max. Compression Max. Mx Max. My Max. Vy	14 26 14 26	-1859.80 -1452.50 -1602.47 10.61	0.00 -0.01 0.00 0.00	0.00 0.00 -0.00 0.00

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Client	Verizon Wireless	Designed by CAG

Section No.	Elevation	Component	Condition	Gov. Load	Axial	Major Axis Moment	Minor Axi Moment
IVO.	ft	Туре		Loaa Comb.	lb	мотепі kip-ft	Moment kip-ft
			May My	10	-10947.60	0.00	-0.35
			Max. My	14			0.11
			Max. Vy Max. Vx	10	-3220.89 3397.88	0.34 0.00	-0.35
		Diagonal	Max Tension	15	4101.71	0.00	0.00
		_					
		Horizontal	Max Tension	1	0.00	0.00	0.00
			Max. Compression	6	-4177.14	0.00	0.00
			Max. Mx	26	-3384.42	-0.01	0.00
			Max. My	14	-3863.74	0.00	-0.00
			Max. Vy	26	-10.18	0.00	0.00
		The condition	Max. Vx	14	-0.00	0.00	0.00
		Top Girt	Max Tension	2	1890.00	0.00	0.00
			Max. Compression	15	-1535.58	0.00	0.00
			Max. Mx	26	752.59	-0.01	0.00
			Max. My	14	164.92	0.00	-0.00
			Max. Vy	26	-10.18	0.00	0.00
		Dattam Cirt	Max. Vx	14	-0.00	0.00	0.00
		Bottom Girt	Max Tension	1	0.00	0.00	0.00
			Max. Compression	14	-148.59	0.00	0.00
			Max. Mx	26	-123.81	-0.01	0.00
			Max. Vy	26	-10.18	0.00	0.00
		C A	Max. Vx	14	-0.00	0.00	0.00
		Guy A	Bottom Tension	10	11219.99		
			Top Tension	10	11241.79		
			Top Cable Vert	10	6503.75		
			Top Cable Norm	10	9169.46		
			Top Cable Tan	10	0.01		
			Bot Cable Vert	10	-6451.19		
			Bot Cable Norm	10	9179.89		
		G P	Bot Cable Tan	10	0.01		
		Guy B	Bottom Tension	15	13915.16		
			Top Tension	15	13936.92		
			Top Cable Vert	15	10084.08		
			Top Cable Norm	15	9620.25		
			Top Cable Tan	15	1.80		
			Bot Cable Vert	15	-10038.27		
			Bot Cable Norm	15	9636.63		
			Bot Cable Tan	15	1.80		
		Guy C	Bottom Tension	5	13279.45		
			Top Tension	5	13301.23		
			Top Cable Vert	5	9272.45		
			Top Cable Norm	5	9536.47		
			Top Cable Tan	5	1.63		
			Bot Cable Vert	5	-9225.49		
			Bot Cable Norm	5	9551.66		
			Bot Cable Tan	5	1.63		
		Base Beam	Max Tension	1	0.00	0.00	0.00
			Max. Compression	6	-3477.39	0.02	0.00
			Max. Mx	22	-22459.79	-32.40	-0.04
			Max. My	14	-15422.30	-22.23	0.12
			Max. Vy	22	-22459.79	-32.40	-0.04
			Max. Vx	14	83.38	-22.23	0.12

Maximum Reactions

Location Condition	Gov. Load Comb.	Vertical lb	Horizontal, X lb	Horizontal, Z lb
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Client	Verizon Wireless	Designed by CAG

Location	Condition	Gov.	Vertical	Horizontal, X	Horizontal, Z
		Load	lb	lb	lb
		Comb.			
Guy C @ 20.92 ft	Max. Vert	13	-1169.18	-315.03	188.20
Elev 36.83 ft					
Azimuth 240 deg					
	$Max. H_x$	13	-1169.18	-315.03	188.20
	Max. H _z	5	-22320.93	-12531.45	7222.68
	Min. Vert	5	-22320.93	-12531.45	7222.68
	Min. H _x	5	-22320.93	-12531.45	7222.68
	Min. H _z	13	-1169.18	-315.03	188.20
Guy B @ 19.5 ft Elev 36.83 ft	Max. Vert	7	-1414.98	360.56	215.00
Azimuth 120 deg					
	$Max. H_x$	15	-23584.51	12438.48	7168.87
	$Max. H_z$	15	-23584.51	12438.48	7168.87
	Min. Vert	15	-23584.51	12438.48	7168.87
	$Min. H_x$	7	-1414.98	360.56	215.00
	$Min. H_z$	7	-1414.98	360.56	215.00
Guy A @ 28.2 ft Elev 36.83 ft Azimuth 0 deg	Max. Vert	2	-644.49	0.36	-320.27
	Max. H _x	14	-8589.19	128.06	-7218.88
	Max. H _z	2	-644.49	0.36	-320.27
	Min. Vert	10	-17418.74	-0.29	-14803.20
	Min. H _x	6	-8866.54	-127.13	-7414.18
	Min. Hz	10	-17418.74	-0.29	-14803.20
Mast	Max. Vert	22	67375.85	215.61	-117.45
	Max. H _x	6	45562.41	593.54	-38.33
	Max. H _z	10	43392.92	7.79	289.79
	$Max. M_x$	1	0.00	-10.28	-44.28
	$Max. M_z$	1	0.00	-10.28	-44.28
	Max. Torsion	1	0.00	-10.28	-44.28
	Min. Vert	43	41623.64	-6.29	29.45
	Min. H _x	14	46214.80	-635.68	-73.52
	Min. H _z	2	51020.44	-4 0.16	-575.73
	Min. M _x	1	0.00	-10.28	-44.28
	$Min. M_z$	1	0.00	-10.28	-44.28
	Min. Torsion	1	0.00	-10.28	-44.28

Tower Mast Reaction Summary

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M_z	Torque
	lb	lb	lb	kip-ft	kip-ft	kip-ft
Dead Only	41675.53	10.28	44.28	0.00	0.00	0.00
1.2 Dead+1.6 Wind 0 deg - No Ice+1.0 Guy	51020.44	40.16	575.73	0.00	0.00	0.00
1.2 Dead+1.6 Wind 30 deg - No Ice+1.0 Guy	47271.85	-265.94	455.59	0.00	0.00	0.00
1.2 Dead+1.6 Wind 45 deg - No Ice+1.0 Guy	45036.09	-399.19	357.56	0.00	0.00	0.00
1.2 Dead+1.6 Wind 60 deg - No Ice+1.0 Guy	44350.33	-509.68	227.15	0.00	0.00	0.00
1.2 Dead+1.6 Wind 90 deg - No Ice+1.0 Guy	45562.41	-593.54	38.33	0.00	0.00	0.00
1.2 Dead+1.6 Wind 120 deg - No Ice+1.0 Guy	46947.97	-478.02	-99.73	0.00	0.00	0.00
1.2 Dead+1.6 Wind 135 deg - No Ice+1.0 Guy	45928.49	-388.09	-172.08	0.00	0.00	0.00

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	Verizon Wireless	CAG

Load Combination	Vertical	Shear _x	Shear _z	Overturning Moment, M _x	Overturning Moment, M _z	Torque
Combination	lb	lb	lb	kip-ft	$Moment, M_z$ $kip-ft$	kip-ft
1.2 Dead+1.6 Wind 150 deg -	44328.43	-303.33	-246.19	0.00	0.00	0.00
No Ice+1.0 Guy	12202.02	7.70	200 50	0.00	0.00	0.00
1.2 Dead+1.6 Wind 180 deg - No Ice+1.0 Guy	43392.92	-7.79	-289.79	0.00	0.00	0.00
1.2 Dead+1.6 Wind 210 deg -	44452.68	298.53	-228.90	0.00	0.00	0.00
No Ice+1.0 Guy						
1.2 Dead+1.6 Wind 225 deg -	46219.73	401.23	-151.92	0.00	0.00	0.00
No Ice+1.0 Guy 1.2 Dead+1.6 Wind 240 deg -	47566.03	511.11	-75.36	0.00	0.00	0.00
No Ice+1.0 Guy	47500.05	511.11	-75.50	0.00	0.00	0.00
1.2 Dead+1.6 Wind 270 deg -	46214.80	635.68	73.52	0.00	0.00	0.00
No Ice+1.0 Guy	44506.60	565.24	268.20	0.00	0.00	0.00
1.2 Dead+1.6 Wind 300 deg - No Ice+1.0 Guy	44506.69	565.34	268.20	0.00	0.00	0.00
1.2 Dead+1.6 Wind 315 deg -	45379.95	458.79	400.94	0.00	0.00	0.00
No Ice+1.0 Guy						
1.2 Dead+1.6 Wind 330 deg -	47841.93	335.28	490.83	0.00	0.00	0.00
No Ice+1.0 Guy 1.2 Dead+1.0 Ice+1.0	67015.03	-5.96	41.14	0.00	0.00	0.00
Temp+Guy	07015.05	2.50		0.00	0.00	0.00
1.2 Dead+1.0 Wind 0 deg+1.0	67272.45	2.64	154.60	0.00	0.00	0.00
Ice+1.0 Temp+1.0 Guy	67225.05	126.12	147.54	0.00	0.00	0.00
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp+1.0 Guy	67325.95	-126.13	147.54	0.00	0.00	0.00
1.2 Dead+1.0 Wind 45 deg+1.0	67362.54	-177.84	136.84	0.00	0.00	0.00
Ice+1.0 Temp+1.0 Guy						
1.2 Dead+1.0 Wind 60 deg+1.0	67375.85	-215.61	117.45	0.00	0.00	0.00
Ice+1.0 Temp+1.0 Guy 1.2 Dead+1.0 Wind 90 deg+1.0	67308.55	-241.70	54.90	0.00	0.00	0.00
Ice+1.0 Temp+1.0 Guy	07500.55	-241.70	54.50	0.00	0.00	0.00
1.2 Dead+1.0 Wind 120	67199.63	-205.06	-22.76	0.00	0.00	0.00
deg+1.0 Ice+1.0 Temp+1.0 Guy	67167.44	-167.44	-58.76	0.00	0.00	0.00
1.2 Dead+1.0 Wind 135 deg+1.0 Ice+1.0 Temp+1.0 Guy	0/10/.44	-107.44	-38.70	0.00	0.00	0.00
1.2 Dead+1.0 Wind 150	67152.14	-120.92	-86.04	0.00	0.00	0.00
deg+1.0 Ice+1.0 Temp+1.0 Guy	<					
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp+1.0 Guy	67138.60	-12.70	-107.97	0.00	0.00	0.00
1.2 Dead+1.0 Wind 210	67126.28	97.31	-77.61	0.00	0.00	0.00
deg+1.0 Ice+1.0 Temp+1.0 Guy						
1.2 Dead+1.0 Wind 225	67132.88	144.18	-46.40	0.00	0.00	0.00
deg+1.0 Ice+1.0 Temp+1.0 Guy 1.2 Dead+1.0 Wind 240	67161.23	185.16	-7.88	0.00	0.00	0.00
deg+1.0 Ice+1.0 Temp+1.0 Guy	0/101.25	165.16	-7.00	0.00	0.00	0.00
1.2 Dead+1.0 Wind 270	67284.49	230.20	71.47	0.00	0.00	0.00
deg+1.0 Ice+1.0 Temp+1.0 Guy	67272.20	212.54	120.70	0.00	0.00	0.00
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp+1.0 Guy	67373.38	213.54	130.70	0.00	0.00	0.00
1.2 Dead+1.0 Wind 315	67364.55	179.21	147.07	0.00	0.00	0.00
deg+1.0 Ice+1.0 Temp+1.0 Guy						
1.2 Dead+1.0 Wind 330	67328.25	129.78	154.31	0.00	0.00	0.00
deg+1.0 Ice+1.0 Temp+1.0 Guy Dead+Wind 0 deg -	41751.44	15.71	117.40	0.00	0.00	0.00
Service+Guy	,	10.71	117110	0.00	0.00	0.00
Dead+Wind 30 deg -	41748.98	-53.05	106.26	0.00	0.00	0.00
Service+Guy Dead+Wind 45 deg -	41742.19	-81.89	93.98	0.00	0.00	0.00
Service+Guy	71/42.19	-01.09	93.98	0.00	0.00	0.00
Dead+Wind 60 deg -	41732.11	-104.43	78.24	0.00	0.00	0.00
Service+Guy	41702.60	104.00	40.77	0.00	0.00	0.00
Dead+Wind 90 deg -	41703.68	-124.82	40.75	0.00	0.00	0.00

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Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M ₂	Torque
	lb	lb	lb	kip-ft	kip-ft	kip-ft
Service+Guy						
Dead+Wind 120 deg -	41669.64	-108.90	4.49	0.00	0.00	0.00
Service+Guy						
Dead+Wind 135 deg -	41653.40	-88.31	-10.35	0.00	0.00	0.00
Service+Guy						
Dead+Wind 150 deg -	41639.50	-60.88	-21.49	0.00	0.00	0.00
Service+Guy						
Dead+Wind 180 deg -	41623.64	6.29	-29.45	0.00	0.00	0.00
Service+Guy						
Dead+Wind 210 deg -	41627.90	74.86	-16.97	0.00	0.00	0.00
Service+Guy						
Dead+Wind 225 deg -	41637.11	103.75	-4.19	0.00	0.00	0.00
Service+Guy						
Dead+Wind 240 deg -	41649.62	126.16	12.35	0.00	0.00	0.00
Service+Guy						
Dead+Wind 270 deg -	41681.35	146.73	49.68	0.00	0.00	0.00
Service+Guy						
Dead+Wind 300 deg -	41713.30	131.06	85.92	0.00	0.00	0.00
Service+Guy						
Dead+Wind 315 deg -	41726.91	110.48	100.23	0.00	0.00	0.00
Service+Guy						
Dead+Wind 330 deg -	41738.19	83.11	110.67	0.00	0.00	0.00
Service+Guy						

Solution Summary

	Sui	m of Applied Forces	5		Sum of Reaction	IS	
Load	PX	PY	PZ	PX	PY	PZ	% Error
Comb.	lb	lb	lb	lb	lb	lb	
1	0.00	-10695.91	0.00	-2.20	10696.11	-4.22	0.045%
2	-41.50	-12764.05	-11231.12	41.68	12763.84	11218.64	0.073%
3	5591.59	-12757.79	-9646.80	-5593.95	12757.61	9635.05	0.071%
4	7924.45	-12754.16	-7857.25	-7925.92	12754.07	7850.70	0.040%
5	9714.31	-12754.99	-5536.07	-9710.94	12754.94	5530.35	0.039%
6	11268.46	-12771.60	41.17	-11264.38	12771.53	-37.52	0.032%
7	9836.61	-12787.43	5654.61	-9831.15	12787.33	-5651.38	0.037%
8	8016.56	-12787.44	7949.84	-8009.15	12787.32	-7946.55	0.048%
9	5663.94	-12782.74	9689.77	-5659.02	12782.68	-9688.31	0.030%
10	41.50	-12773.81	11138.89	-42.20	12773.79	-11134.77	0.025%
11	-5591.59	-12780.07	9646.80	5584.92	12779.98	-9644.82	0.041%
12	-7924.45	-12783.70	7857.25	7913.50	12783.52	-7852.21	0.071%
13	-9794.19	-12782.86	5582.19	9784.82	12782.69	-5576.45	0.064%
14	-11268.46	-12766.26	-41.17	11260.60	12766.11	48.42	0.063%
15	-9756.74	-12750.43	-5608.49	9754.79	12750.40	5605.96	0.019%
16	-7983.95	-12750.42	-7917.23	7985.07	12750.36	7912.70	0.027%
17	-5663.94	-12755.12	-9689.77	5665.63	12755.01	9681.99	0.047%
18	0.00	-35542.74	0.00	-0.64	35542.74	-3.42	0.010%
19	-8.40	-35535.80	-3577.62	7.68	35535.79	3573.71	0.011%
20	1796.85	-35530.47	-3090.35	-1796.18	35530.45	3085.39	0.014%
21	2548.11	-35527.51	-2521.41	-2547.02	35527.49	2515.72	0.016%
22	3126.66	-35528.85	-1780.51	-3125.42	35528.81	1774.52	0.017%
23	3621.39	-35545.65	8.10	-3620.67	35545.64	-13.16	0.014%
24	3142.53	-35561.63	1799.38	-3142.54	35561.62	-1802.47	0.009%
25	2563.50	-35562.05	2537.23	-2563.94	35562.05	-2543.53	0.018%
26	1811.89	-35557.92	3100.20	-1812.78	35557.93	-3104.44	0.012%
27	8.40	-35549.68	3570.10	-11.95	35549.69	-3576.15	0.020%
28	-1796.85	-35555.01	3090.35	1794.85	35555.02	-3094.95	0.014%
29	-2548.11	-35557.97	2521.41	2545.95	35557.97	-2528.32	0.020%

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	Sur	n of Applied Forces	ĭ		Sum of Reaction	S	
Load	PX	PY	PZ	PX	PY	PZ	% Erro
Comb.	lb	lb	lb	lb	lb	lb	
30	-3133.17	-35556.64	1784.27	3132.15	35556.64	-1787.65	0.010%
31	-3621.39	-35539.83	-8.10	3619.36	35539.81	2.61	0.016%
32	-3136.02	-35523.86	-1795.62	3133.14	35523.82	1789.25	0.020%
33	-2560.84	-35523.44	-2534.57	2558.08	35523.40	2528.62	0.018%
34	-1811.89	-35527.56	-3100.20	1809.63	35527.53	3095.12	0.016%
35	-9.93	-10694.74	-2685.73	9.52	10694.74	2682.10	0.033%
36	1337.13	-10693.24	-2306.86	-1336.06	10693.24	2303.78	0.030%
37	1894.99	-10692.37	-1878.93	-1893.10	10692.37	1876.12	0.031%
38	2323.01	-10692.57	-1323.86	-2320.46	10692.57	1321.43	0.0329
39	2694.66	-10696.55	9.85	-2691.37	10696.54	-11.12	0.0329
40	2352.26	-10700.33	1352.20	-2349.77	10700.33	-1352.05	0.023%
41	1917.02	-10700.33	1901.07	-1915.36	10700.33	-1900.77	0.015%
42	1354.43	-10699.21	2317.14	-1353.30	10699.21	-2316.74	0.011%
43	9.93	-10697.07	2663.67	-10.17	10697.07	-2663.12	0.006%
44	-1337.13	-10698.57	2306.86	1335.42	10698.57	-2306.53	0.016%
45	-1894.99	-10699.44	1878.93	1892.76	10699.44	-1878.73	0.020%
46	-2342.11	-10699.24	1334.88	2338.85	10699.24	-1334.82	0.030%
47	-2694.66	-10695.27	-9.85	2690.48	10695.26	8.23	0.0419
48	-2333.16	-10691.48	-1341.17	2329.61	10691.48	1338.49	0.040%
49	-1909.22	-10691.48	-1893.27	1906.33	10691.48	1890.27	0.038%
50	-1354.43	-10692.60	-2317.14	1352.40	10692.60	2313.96	0.034%

Non-Linear Convergence Results

Load	Converged?	Number	Displacement	Force
Combination		of Cycles	Tolerance	Tolerance
1	Yes	7	0.00000001	0.00038596
2	Yes	13	0.00078281	0.00046545
3	Yes	11	0.00098927	0.00053259
4	Yes	9	0.00000001	0.00048084
5	Yes	7	0.00083902	0.00071948
6	Yes	10	0.00000001	0.00026607
7	Yes	11	0.00000001	0.00025129
8	Yes	10	0.00000001	0.00031621
9	Yes	9	0.00000001	0.00023441
10	Yes	6	0.00000001	0.00037198
11	Yes	9	0.00000001	0.00031655
12	Yes	10	0.00099291	0.00048331
13	Yes	11	0.00078817	0.00043946
14	Yes	10	0.00080222	0.00050638
15	Yes	8	0.00000001	0.00043646
16	Yes	10	0.00000001	0.00031695
17	Yes	12	0.00000001	0.00034776
18	Yes	7	0.00000001	0.00026038
19	Yes	7	0.00000001	0.00027125
20	Yes	7	0.00000001	0.00034976
21	Yes	7	0.00000001	0.00041688
22	Yes	7	0.00000001	0.00044960
23	Yes	7	0.00000001	0.00038847
24	Yes	7	0.00000001	0.00023731
25	Yes	6	0.00000001	0.00039125
26	Yes	6	0.00000001	0.00027204
27	Yes	5	0.00000001	0.00032100
28	Yes	6	0.00000001	0.00032009
29	Yes	6	0.00000001	0.00046155
30	Yes	7	0.00000001	0.00028192

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31	Yes	7	0.00000001	0.00046159
32	Yes	7	0.00000001	0.00054023
33	Yes	7	0.00000001	0.00050053
34	Yes	7	0.00000001	0.00041727
35	Yes	5	0.00000001	0.00020067
36	Yes	5	0.00000001	0.00020296
37	Yes	5	0.00000001	0.00022904
38	Yes	5	0.00000001	0.00024904
39	Yes	5	0.00000001	0.00024785
40	Yes	5	0.00000001	0.00017461
41	Yes	5	0.00000001	0.00012210
42	Yes	5	0.00000001	0.00008934
43	Yes	5	0.00000001	0.00010178
44	Yes	5	0.00000001	0.00012106
45	Yes	5	0.00000001	0.00015882
46	Yes	5	0.0000001	0.00022848
47	Yes	5	0.00000001	0.00031073
48	Yes	5	0.00000001	0.00030328
49	Yes	5	0.00000001	0.00027537
50	Yes	5	0.00000001	0.00023173

Maximum Tower Deflections - Service Wind

Section	Elevation	Horz.	Gov.	Tilt	Twist
No.		Deflection	Load		
	ft	in	Comb.	٥	0
T1	100.83 - 95.83	0.638	48	0.0349	0.0392
T2	95.83 - 75.83	0.600	49	0.0334	0.0354
T3	75.83 - 55.83	0.456	49	0.0507	0.0513
T4	55.83 - 35.83	0.164	50	0.0541	0.0581

Critical Deflections and Radius of Curvature - Service Wind

Elevation	Appurtenance	Gov.	Deflection	Tilt	Twist	Radius of
		Load				Curvature
ft		Comb.	in	0	0	ft
101.83	2' Dish	48	0.638	0.0349	0.0392	27915
100.83	1' x 1' Panel	48	0.638	0.0349	0.0392	27915
99.83	10' x 2" Dia Omni	48	0.630	0.0345	0.0383	27915
97.83	1' x 1' Panel	48	0.615	0.0337	0.0366	27915
93.33	1' x 1' Panel	49	0.584	0.0340	0.0352	29831
90.08	Guy	49	0.565	0.0360	0.0365	55753
78.83	3' Side arm mount	49	0.487	0.0480	0.0482	18653
73.16	DB844G65ZAXY	49	0.422	0.0524	0.0534	19401
63.33	DC6-48-60-18-8F Surge Arrestor	50	0.273	0.0543	0.0570	84573
62.33	DTMABP7819VG12A TMA	50	0.257	0.0543	0.0571	56190
55.75	Guy	50	0.163	0.0541	0.0581	19635

Maximum Tower Deflections - Design Wind

tnx7	ower

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Section	Elevation	Horz.	Gov.	Tilt	Twist
No.		Deflection	Load		
	ft	in	Comb.	0	0
T1	100.83 - 95.83	2.690	2	0.1530	0.2307
T2	95.83 - 75.83	2.522	2	0.1468	0.2150
T3	75.83 - 55.83	1.933	2	0.1971	0.2769
T4	55.83 - 35.83	0.754	2	0.2388	0.2991

Critical Deflections and Radius of Curvature - Design Wind

Elevation	Appurtenance	Gov.	Deflection	Tilt	Twist	Radius of
		Load				Curvature
ft		Comb.	in	0	0	ft
101.83	2' Dish	2	2.690	0.1530	0.2307	7901
100.83	1' x 1' Panel	2	2.690	0.1530	0.2307	7901
99.83	10' x 2" Dia Omni	2	2.655	0.1513	0.2268	7901
97.83	1' x 1' Panel	2	2.586	0.1484	0.2198	7901
93.33	1' x 1' Panel	2	2.451	0.1474	0.2137	8862
90.08	Guy	2	2.368	0.1521	0.2186	21256
78.83	3' Side arm mount	2	2.055	0.1872	0.2650	4798
73.16	DB844G65ZAXY	2	1.801	0.2048	0.2847	4806
63.33	DC6-48-60-18-8F Surge Arrestor	2	1.205	0.2258	0.2968	28036
62.33	DTMABP7819VG12A TMA	2	1.141	0.2276	0.2972	16551
55.75	Guy	2	0.749	0.2390	0.2991	5208

Bolt Design Data

Section No.	Elevation	Component Type	Bolt Grade	Bolt Size	Number Of	Maximum Load	Allowable Load	Ratio Load	Allowable Ratio	Criteria
	ft			in	Bolts	per Bolt lb	per Bolt lb	Allowable		
T1	100.83	Leg	A325N	0.875	1	2260.49	40589.10	0.056	1	Bolt Tension
T2	95.83	Leg	A325N	0.875	1	2908.24	40589.10	0.072	1	Bolt Tension
T3	75.83	Leg	A325N	0.875	1	5989.60	40589.10	0.148	1	Bolt Tension
T4	55.83	Leg	A325N	0.875	1	9129.05	40589.10	0.225	1	Bolt Tension

Guy Design Data

Section	Elevation	Size	Initial	Breaking	Actual	Allowable	Required	Actual
No.			Tension	Load	T_u	ϕT_n	S.F.	S.F.
	ft		lb	lb	lb	lb		
T2	90.08 (A) (244)	9/16 EHS	3500.00	35000.04	6210.18	21000.00	1.000	3.382
	90.08 (A) (245)	9/16 EHS	3500.00	35000.04	6196.92	21000.00	1.000	3.389
	90.08 (B) (238)	9/16 EHS	3500.00	35000.04	7389.79	21000.00	1.000	2.842
	90.08 (B) (239)	9/16 EHS	3500.00	35000.04	7117.21	21000.00	1.000	2.951

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Section No.	Elevation ft	Size	Initial Tension lb	Breaking Load lb	Actual T _u lb	$Allowable \ \phi T_n \ lb$	Required S.F.	Actual S.F.
	90.08 (C) (232)	9/16 EHS	3500.00	35000.04	6932.33	21000.00	1.000	3.029
	90.08 (C) (233)	9/16 EHS	3500.00	35000.04	7187.78	21000.00	1.000	2.922
T4	55.75 (A) (252)	3/4 EHS	5830.00	58299.91	11241.80	34980.00	1.000	3.112
	55.75 (B) (251)	3/4 EHS	5830.00	58299.91	13936.90	34980.00	1.000	2.510
	55.75 (C) (250)	3/4 EHS	5830.00	58299.91	13301.20	34980.00	1.000	2.630

Compression Checks

Leg Design Data (Compression)

Section No.	Elevation	Size	L	L_u	Kl/r	Λ	Mast Stability	P_u	ϕP_n	$Ratio$ P_u
	ft		ft	ft		in^2	Index	lb	lb	ϕP_n
T1	100.83 - 95.83	1 1/2	5.00	2.46	78.7 K=1.00	1.767	1.00	-7906.33	50579.50	0.156 1
T2	95.83 - 75.83	1 1/2	20.00	2.83	90.7 K=1.00	1.767	1.00	-21521.00	43596.30	0.494 1
Т3	75.83 - 55.83	1 1/2	20.00	2.83	90.7 K=1.00	1.767	1.00	-28025.90	43596.30	0.643 1
Т4	55.83 - 35.83	1 1/2	20.00	2.85	91.0 K=1.00	1.767	1.00	-30725.60	43376.20	0.708 1

 $^{^{1}}P_{u}$ / ϕP_{n} controls

Horizontal Design Data (Compression)

Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	$Ratio$ P_u
	ft		ft	ft		in^2	lb	lb	ϕP_n
T1	100.83 - 95.83	L1 1/4x1 1/4x3/16	2.50	2.38	118.5 K=1.01	0.434	-5485.08	6708.74	0.818 1
T2	95.83 - 75.83	L1 1/4x1 1/4x3/16	2.50	2.38	118.5 K=1.01	0.434	-5655.59	6708.74	0.843 1
Т3	75.83 - 55.83	L1 1/4x1 1/4x3/16	2.50	2.38	118.5 K=1.01	0.434	-5097.02	6708.74	0.760 1
T4	55.83 - 35.83	L1 1/4x1 1/4x3/16	2.50	2.38	118.5 K=1.01	0.434	-4177.14	6708.74	0.623 1

¹ P_u / ϕP_n controls

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Top Girt	Design	Data	(Compres	sion)
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Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio P_u
	ft		ft	ft		in^2	lb	lb	ϕP_n
T1	100.83 - 95.83	L1 1/4x1 1/4x3/16	2.50	2.38	118.5 K=1.01	0.434	-2868.84	6708.74	0.428 1
T2	95.83 - 75.83	L1 1/4x1 1/4x3/16	2.50	2.38	118.5 K=1.01	0.434	-2541.52	6708.74	0.379 1
Т3	75.83 - 55.83	L1 1/4x1 1/4x3/16	2.50	2.38	118.5 K=1.01	0.434	-2299.21	6708.74	0.343 1
T4	55.83 - 35.83	L1 1/4x1 1/4x3/16	2.50	2.38	118.5 K=1.01	0.434	-1535.58	6708.74	0.229 1

 $^{^{1}} P_{u} / \phi P_{n}$ controls

Bottom Girt Design Data (Compression)

Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	$Ratio$ P_u
	ft		ft	ft		in^2	lb	lb	ϕP_n
T1	100.83 - 95.83	L1 1/4x1 1/4x3/16	2.50	2.38	118.5 K=1.01	0.434	-2802.95	6708.74	0.418 1
T2	95.83 - 75.83	L1 1/4x1 1/4x3/16	2.50	2.38	118.5 K=1.01	0.434	-2520.15	6708.74	0.376 1
Т3	75.83 - 55.83	L1 1/4x1 1/4x3/16	2.50	2.38	118.5 K=1.01	0.434	-1859.80	6708.74	0.277 1
T4	55.83 - 35.83	L1 1/4x1 1/4x3/16	2.50	2.38	118.5 K=1.01	0.434	-148.59	6708.74	0.022 1

¹ P_u / ϕP_n controls

Torque-Arm Bottom Design Data

Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	$Ratio$ P_u
	ft		ft	ft		in^2	lb	lb	ϕP_n
T2	95.83 - 75.83 (236)	L3x3x1/4	2.50	2.44	84.7 K=1.71	1.440	-5077.35	31979.20	0.159 1
Т2	95.83 - 75.83 (237)	L3x3x1/4	2.50	2.44	84.7 K=1.71	1.440	-4533.37	31979.20	0.142 1
Т2	95.83 - 75.83 (242)	L3x3x1/4	2.50	2.44	84.7 K=1.71	1.440	-5579.63	31979.20	0.174 1
T2	95.83 - 75.83 (243)	L3x3x1/4	2.50	2.44	84.7 K=1.71	1.440	-5426.44	31979.20	0.170 1
T2	95.83 - 75.83 (248)	L3x3x1/4	2.50	2.44	84.7 K=1.71	1.440	-5311.66	31979.20	0.166 1
T2	95.83 - 75.83 (249)	L3x3x1/4	2.50	2.44	84.7 K=1.71	1.440	-4626.70	31979.20	0.145 1

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Section	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio
No.									P_u
	ft		ft	ft		in^2	lb	lb	ϕP_n

 $^{^{1}}P_{u}/\phi P_{n}$ controls

Tension Checks

			Leg Des	sign E	oata (Tensio	on)		
Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio P _u
	ft		ft	ft		in^2	lb	lb	${\phi P_n}$
T1	100.83 - 95.83	1 1/2	5.00	2.46	78.7	1.767	2908.88	79521.60	0.037 1
T2	95.83 - 75.83	1 1/2	20.00	2.83	90.7	1.767	3097.16	79521.60	0.039 1
Т3	75.83 - 55.83	1 1/2	20.00	2.83	90.7	1.767	7607.60	79521.60	0.096 1
T4	55.83 - 35.83	1 1/2	20.00	2.85	91.0	1.767	7606.60	79521.60	0.096 1

 $^{^{1}}P_{u}/\phi P_{n}$ controls

		Di	agonal [Desig	n Data	a (Ten	sion)		
Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio P _u
	ft		ft	ft		in^2	lb	lb	ϕP_n
T1	100.83 - 95.83	1/2	3.51	3.33	319.8	0.196	4503.61	6361.73	0.708 1
Т2	95.83 - 75.83	1/2	3.78	3.59	344.6	0.196	4349.72	6361.73	0.684 1
Т3	75.83 - 55.83	1/2	3.78	3.59	344.6	0.196	6249.48	6361.73	0.982 1
T4	55.83 - 35.83	1/2	3.79	3.60	345.4	0.196	4101.71	6361.73	0.645 1

 $^{^{1}}P_{u}$ / ϕP_{n} controls

Section Elevation Size L L_u Kl/r A P_u ϕP_n Ratio			To	p Girt [Desig	n Data	(Tens	sion)		
	Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio

Gaviria Engineering, LLC 171 South Main Street

Manchester, CT 06040 Phone: (860) 281-7996 FAX:

Job		Page
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Project		Date
	65-ft NUDD Guyed Tower - vZw Hamden 2CT	20:12:51 02/18/22
Client	Verizon Wireless	Designed by CAG

Section	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio
No.									P_u
	ft		ft	ft		in^2	lb	lb	ϕP_n
T4	55.83 - 35.83	L1 1/4x1 1/4x3/16	2.50	2.38	75.7	0.434	1890.00	14048.40	0.135 1
									V

¹ P_u / ϕP_n controls

		To	orque- <i>P</i>	Arm T	op De	sign l	Data		
Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio P _u
	ft		ft	ft		in^2	lb	lb	ΦP_n
Т2	95.83 - 75.83 (234)	L2x2x5/16	3.78	3.68	73.6	1.150	7141.70	37260.00	0.192 1
T2	95.83 - 75.83 (235)	L2x2x5/16	3.78	3.68	73.6	1.150	5971.40	37260.00	0.160 1
Т2	95.83 - 75.83 (240)	L2x2x5/16	3.78	3.68	73.6	1.150	7103.27	37260.00	0.191 1
Т2	95.83 - 75.83 (241)	L2x2x5/16	3.78	3.68	73.6	1.150	6879.05	37260.00	0.185 1
Т2	95.83 - 75.83 (246)	L2x2x5/16	3.78	3.68	73.6	1.150	7381.29	37260.00	0.198 1
Т2	95.83 - 75.83 (247)	L2x2x5/16	3.78	3.68	73.6	1.150	5922.50	37260.00	0.159 1

 $^{^{1}}$ P_{u} / ϕP_{n} controls

		Tor	que-Arı	m Bot	tom [Desigr	Data		
Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio P _u
	ft		ft	ft		in^2	lb	lb	ϕP_n
Т2	95.83 - 75.83 (236)	L3x3x1/4	2.50	2.44	31.5	1.440	403.44	46656.00	0.009 1
T2	95.83 - 75.83 (237)	L3x3x1/4	2.50	2.44	31.5	1.440	155.21	46656.00	0.003 1
T2	95.83 - 75.83 (248)	L3x3x1/4	2.50	2.44	31.5	1.440	383.69	46656.00	0.008 1
Т2	95.83 - 75.83 (249)	L3x3x1/4	2.50	2.44	31.5	1.440	104.59	46656.00	0.002 1

 $^{^{1}} P_{u} / \phi P_{n}$ controls

Section Capacity Table

Gaviria Engineering, LLC 171 South Main Street

171 South Main Street Manchester, CT 06040 Phone: (860) 281-7996 FAX:

П	Job		Page
		2022.0215.004A	38 of 38
	Project		Date
-		65-ft NUDD Guyed Tower - vZw Hamden 2CT	20:12:51 02/18/22
	Client	Verizon Wireless	Designed by CAG

Section	Elevation ft	Component Type	Size	Critical Element	P lb	øP _{allow} lb	% Capacity	Pass Fail
No.			1.1/2					
T1	100.83 - 95.83	Leg	1 1/2	1	-7906.33	50579.50	15.6	Pass
T2	95.83 - 75.83	Leg	1 1/2	27	-21521.00	43596.30	49.4	Pass
T3	75.83 - 55.83	Leg	1 1/2	96	-28025.90	43596.30	64.3	Pass
T4	55.83 - 35.83	Leg	1 1/2	165	-30725.60	43376.20	70.8	Pass
T1	100.83 - 95.83	Diagonal	1/2	11	4503.61	6361.73	70.8	Pass
T2	95.83 - 75.83	Diagonal	1/2	88	4349.72	6361.73	68.4	Pass
T3	75.83 - 55.83	Diagonal	1/2	104	6249.48	6361.73	98.2	Pass
T4	55.83 - 35.83	Diagonal	1/2	226	4101.71	6361.73	64.5	Pass
T1	100.83 - 95.83	Horizontal	L1 1/4x1 1/4x3/16	17	-5485.08	6708.74	81.8	Pass
T2	95.83 - 75.83	Horizontal	L1 1/4x1 1/4x3/16	85	-5655.59	6708.74	84.3	Pass
T3	75.83 - 55.83	Horizontal	L1 1/4x1 1/4x3/16	156	-5097.02	6708.74	76.0	Pass
T4	55.83 - 35.83	Horizontal	L1 1/4x1 1/4x3/16	225	-4177.14	6708.74	62.3	Pass
T1	100.83 - 95.83	Top Girt	L1 1/4x1 1/4x3/16	5	-2868.84	6708.74	42.8	Pass
T2	95.83 - 75.83	Top Girt	L1 1/4x1 1/4x3/16	29	-2541.52	6708.74	37.9	Pass
T3	75.83 - 55.83	Top Girt	L1 1/4x1 1/4x3/16	99	-2299.21	6708.74	34.3	Pass
T4	55.83 - 35.83	Top Girt	L1 1/4x1 1/4x3/16	168	-1535.58	6708.74	22.9	Pass
T1	100.83 - 95.83	Bottom Girt	L1 1/4x1 1/4x3/16	8	-2802.95	6708.74	41.8	Pass
T2	95.83 - 75.83	Bottom Girt	L1 1/4x1 1/4x3/16	31	-2520.15	6708.74	37.6	Pass
T3	75.83 - 55.83	Bottom Girt	L1 1/4x1 1/4x3/16	101	-1859.80	6708.74	27.7	Pass
T4	55.83 - 35.83	Bottom Girt	L1 1/4x1 1/4x3/16	169	-148.59	6708.74	2.2	Pass
T2	95.83 - 75.83	Guy A@90.08	9/16	244	6210.18	21000.00	29.6	Pass
T4	55.83 - 35.83	Guy A@55.7467	3/4	252	11241.80	34980.00	32.1	Pass
T2	95.83 - 75.83	Guy B@90.08	9/16	238	7389.79	21000.00	35.2	Pass
T4	55.83 - 35.83	Guy B@55.7467	3/4	251	13936.90	34980.00	39.8	Pass
T2	95.83 - 75.83	Guy C@90.08	9/16	233	7187.78	21000.00	34.2	Pass
T4	55.83 - 35.83	Guy C@55.7467	3/4	250	13301.20	34980.00	38.0	Pass
T2	95.83 - 75.83	Torque Arm Top@90.08	L2x2x5/16	246	7381.29	37260.00	19.8	Pass
T2	95.83 - 75.83	Torque Arm Bottom@90.08	L3x3x1/4	242	-5579.63	31979.20	17.4	Pass
							Summary	
						Leg (T4)	70.8	Pass
						Diagonal (T3)	98.2	Pass
						Horizontal (T2)	84.3	Pass
						Top Girt (T1)	42.8	Pass
						Bottom Girt (T1)	41.8	Pass
						Guy A (T4)	32.1	Pass
						Guy B (T4)	39.8	Pass
						Guy C (T4)	38.0	Pass
						Torque Arm Top (T2)	19.8	Pass
						Torque Arm Bottom (T2)	17.4	Pass
						Bolt Checks	22.5	Pass
						RATING =	98.2	Pass

Guy Tensions and Tower Reactions TIA-222-G - 97 mph/50 mph 0.750 in Ice Exposure B

Maximum Values Anchor 'C'@20.92 ft Azimuth 240 deg Elev 36.83 ft Plane through centroid of tower 22321 lb 165 lb 14464 lb ELEVATION PLAN 14464 lb 24 E19. 85 = 255 Time = 1300 20 Lo = 27 15 6 Lu = 27 12 6 (S = 27 10 6) 55'8-31/32" 90'31/32" 75.8 ft 55.8 ft

Gaviria Engineering, LLC 2022.0215.004A	LC 2022.0215.004A		
171 South Main Street	Project 65-ft NUDD Guyed Tower - vZw Hamden 2CT	r - vZw Hamden 2CT	
Manchester CT 06040	Client: Verizon Wireless	Drawn by: CAG	App*d:
Phone: (860) 281-7996	Code: TIA-222-G	Date: 02/18/22	Scale: NTS
FAX:	Path;	SUB-THCT Deer-AND NUMB GARRET THE TIDE SUPERIOR CO.	Dwg No. E-6

GAVIRIA Engineering, LLC

171 South Main Street Manchester, CT 06040 At&t Mobility vZw | Hamden 2 CT 5G L-Sub6 - Carrier Add Hamden, CT **GUY ANCHOR ANALYSIS**

65-ft Guyed Lattice Tower Hamden, CT

Prepared by: CAG Job No. 2022-0215.004A

Guy Anchor Connection Bolts Capacity Check:

Input Data:

GuyAnchor Reactions:

GuyAnchor C @ 36.83ft:

Horz Force (H) = $Fh := 14.464 \cdot kips$ (Input From tnxTower)

Vertical Force (V)= $F_V := 22.321 \cdot kips$ (Input From thxTower)

Resultant Force (R) = Fr := 26.598 kips (Input From thxTower)

Guy Anchor B Connection Bolt Data:

Bolt Design Shear Stress: $\phi F_{nv} := 20.3 ksi$

Diameter of Bolt = D := 0.625 · in (User Input)

Calculated Bolt Properties:

Gross Area of Bolt = $A_g := \frac{\pi}{4} \cdot \text{D}^2 = 0.307 \cdot \text{in}^2$

Number of Shear Planes = $N_{sp} := 6$ (3 Bolts in Double Shear Considered)

Check Anchor Connection Bolt Shear Force:

 $\text{Maximum Shear Stress in 1 Bolt} = \qquad \qquad \text{f}_{\text{V}} := \frac{\text{Fr}}{\left(\text{A}_g \cdot \text{N}_{sp}\right)} \qquad \text{f}_{\text{V}} = 14.45 \cdot \text{ksi}$

Condition1 := if $\left(\frac{f_V}{\Phi F_{NV}} \le 1.00, \text{"OK"}, \text{"Overstressed"}\right)$

 $\frac{f_{v}}{\phi F_{nv}} = 0.71$

Condition1 = "OK"

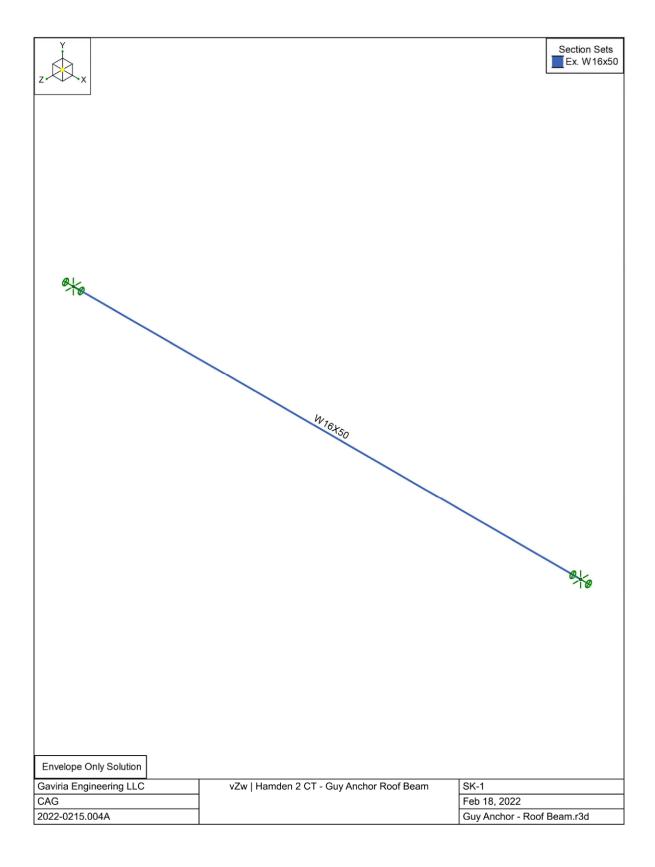


Designer : CAG

Job Number : 2022-0215.004A

Model Name: vZw | Hamden 2 CT - Guy Anchor Ro...

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Company Designer : CAG

Job Number : 2022-0215.004A

Model Name: vZw | Hamden 2 CT - Guy Anchor Ro...

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Model Settings

Solution

M	er	nb	e	rs
---	----	----	---	----

Number of Reported Sections	5
Number of Internal Sections	100
Member Area Load Mesh Size (in²)	144
Consider Shear Deformation	Yes
Consider Torsional Warping	Yes

Wall Panels

Approximate Mesh Size (in)	24
Transfer Forces Between Intersecting Wood Walls	Yes
Increase Wood Wall Nailing Capacity for Wind Loads	Yes
Include P-Delta for Walls	Yes
Optimize Masonry and Wood Walls	Yes
Maximum Number of Iterations	3

Processor Core Utilization

Single	No
Multiple (Optimum)	Yes
Maximum	No

Axis

Vertical Global Axis

[Global Axis corresponding to vertical direction	Υ
П	Convert Existing Data	Yes

Default Member Orientation

7.2	Default Global Plane for z-axis	XZ
-----	---------------------------------	----

Plate Axis

Plate Local Axis Orientation	Global

Codes

Hot Rolled Steel	AISC 14th (360-10): ASD
Stiffness Adjustment	Yes (Iterative)
Notional Annex	None
Connections	AISC 14th (360-10): ASD
Cold Formed Steel	AISI S100-12: ASD
Stiffness Adjustment	Yes (Iterative)
Wood	AWC NDS-15: ASD
Temperature	< 100F
Concrete	ACI 318-14
Masonry	ACI 530-13: ASD
Aluminum	AA ADM1-15: ASD
Structure Type	Building
Stiffness Adjustment	Yes (Iterative)
Stainless	AISC 14th (360-10): ASD
Stiffness Adjustment	Yes (Iterative)

Concrete

Column Design

+ + + + + + + + + + + + + + + + + + + +	
Analysis Methodology	Exact Integration Method
Parme Beta Factor	0.65



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Model Name: vZw | Hamden 2 CT - Guy Anchor Ro...

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Model Settings (Continued)

Compression Stress Block	Rectangular Stress Block
Analyze using Cracked Sections	Yes
Leave room for horizontal rebar splices (2*d bar spacing)	No
List forces which were ignored for design in the Detail Report	Yes

Rebar

Column Min Steel	1
Column Max Steel	8
Rebar Material Spec	ASTM A615
Warn if beam-column framing arrangement is not understood	No

Shear Reinforcement

Number of Shear Regions	4
Region 2 & 3 Spacing Increase Increment (in)	4

Seismic

RISA-3D Seismic Load Options

Trior ob colonia Loda Optiona							
Code	ASCE 7-10						
Risk Category	l or II						
Drift Cat	Other						
Base Elevation (ft)							
Include the weight of the structure in base shear calcs	Yes						

Site Parameters

$S_1(g)$	1
SD ₁ (g)	1
SD _s (g)	1
T _L (sec)	5

Structure Characteristics

TZ (sec)	
TX (sec)	
C,X	0.02
C₁Exp. Z	0.75
C₁Exp. X	0.75
RZ	3
RX	3
$\Omega_0 Z$	1
$\Omega_0 X$	1
C₀Z	4
C₀X	4
ρΖ	1
ρΧ	1



Designer : CAG

Job Number : 2022-0215.004A

Model Name: vZw | Hamden 2 CT - Guy Anchor Ro...

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Hot Rolled Steel Properties

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

Hot Rolled Steel Section Sets

	Label	Shape	Type Design List	Material	Design Rule	Area [in²]	lyy [in⁴]	lzz [in⁴]	J [in⁴]
1	Ex. W16x50	W16X50	Beam None	A36 Gr.36	Typical	14.7	37.2	659	1.52

Member Primary Data

	Label	l Node	J Node	Section/Shape	Type	Design List	Material	Design Rule
1	M2	N3	N4	Ex. W16x50	Beam	None	A36 Gr.36	Typical

Node Coordinates

	Label	X [ft]	Y [ft]	Z [ft]	Detach From Diaphragm
1	N3	0	0	8.5	
2	N4	27	0	8.5	

Node Boundary Conditions

	Node Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot [k-ft/rad]
1	N3	Reaction	Reaction	Reaction	Reaction
2	N4	Reaction	Reaction	Reaction	Reaction

Member Point Loads (BLC 4 : Guy Load)

Member Label	Direction	Magnitude [k, k-ft]	Location [(ft, %)]
1 M2	Υ	22.321	20

Member Distributed Loads (BLC 2 : Roof Dead Load)

_	Member Label Direction Start Magnitude [k/ft, F, ksf, k-ft/ft] End Magnitude [k/ft, F, ksf, k-ft/ft] Start Location [(ft, %)] End Location [(ft, %)]									
•	1 M2	Υ	-0.975	-0.975	0	%100				
2	2 M2	Y	-0.225	-0.225	0	%100				

Member Distributed Loads (BLC 3 : Roof Snow Load)

N	∕lember Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M2	Υ	-0.39	-0.39	0	%100

Basic Load Cases

	BLC Description	Category	Y Gravity	Point	Distributed
1	Self Weight	DL	-1		
2	Roof Dead Load	DL			2



Designer : CAG

Job Number : 2022-0215.004A

Model Name: vZw | Hamden 2 CT - Guy Anchor Ro...

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Basic Load Cases (Continued)

	BLC Description	Category	Y Gravity	Point	Distributed
3	Roof Snow Load	SL			1
4	Guy Load	DL		1	

Load Combinations

	Description	Solve	P-Delta	BLC	Factor								
1	IBC 16-8	Yes	Υ	DL	1								
2	IBC 16-9	Yes	Y	DL	1	LL	1	LLS	1				
3	IBC 16-10 (b)	Yes	Y	DL	1	SL	1	SLN	1				
4	IBC 16-11 (b)	Yes	Y	DL	1	LL	0.75	LLS	0.75	SL	0.75	SLN	0.75

Envelope Node Reactions

	Node Label		X [k]	LC	Y [k]	LC	Z [k]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N3	max	0	4	16.353	3	0	4	0	4	0	4	0	4
2		min	0	1	11.088	1	0	1	0	1	0	1	0	1
3	N4	max	0	4	5.606	3	0	4	0	4	0	4	0	4
4		min	0	1	0.341	1	0	1	0	1	0	1	0	1
5	Totals:	max	0	4	21.96	3	0	4						
6		min	0	1	11.43	1	0	1						

Envelope Node Displacements

	Node Label		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [rad]	LC	Y Rotation [rad]	LC	Z Rotation [rad]	LC
1	N3	max	0	4	0	2	0	4	0	4	0	4	-3.511e-3	2
2		min	0	1	0	3	0	1	0	1	0	1	-6.523e-3	3
3	N4	max	0	4	0	2	0	4	0	4	0	4	4.097e-3	3
4		min	0	1	0	3	0	1	0	1	0	1	1.084e-3	1

Envelope AISC 14TH (360-10): ASD Member Steel Code Checks

Me	ember	Shape	Code Check	kLoc[ft]	LC	Shear Check	Loc[ft]	Dir	LC	Pnc/om [k]	Pnt/om [k]	Mnyy/om [k-ft]	Mnzz/om [k-ft]	Cb	Eqn
1	M2	W16X50	0.493	9.844	3	0.184	19.969	у	3	53.264	316.886	29.281	165.269	1	H1-1b

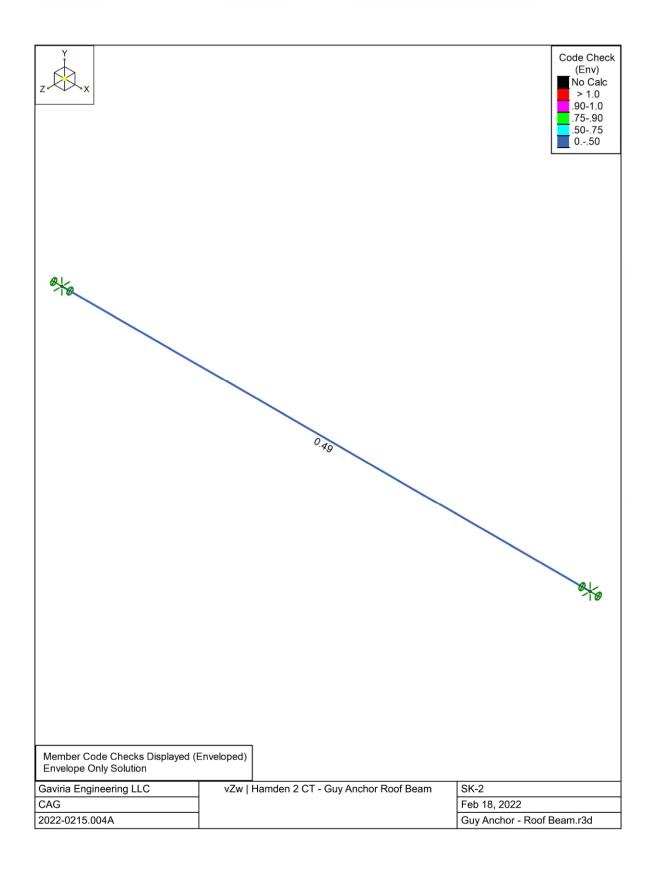


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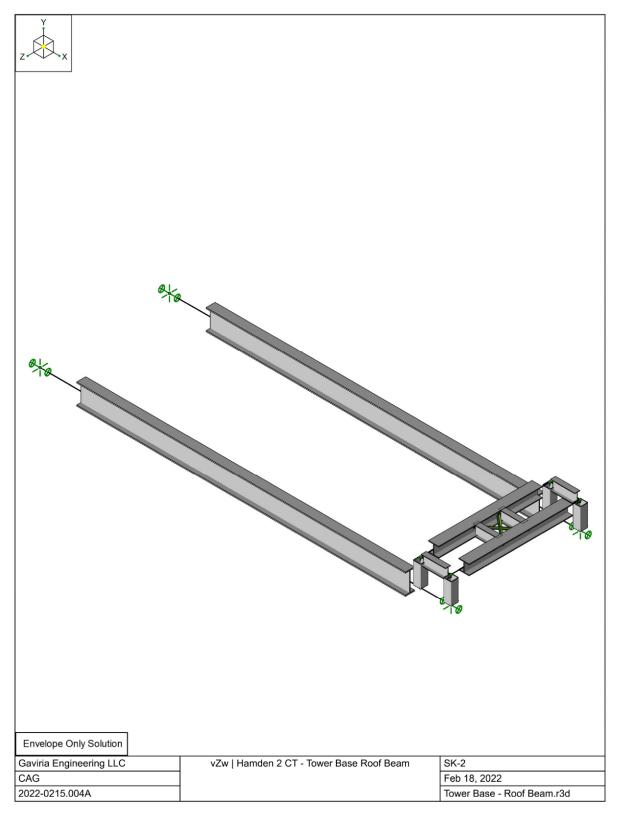
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Job Number : 2022-0215.004A

Model Name: vZw | Hamden 2 CT - Tower Base Ro...

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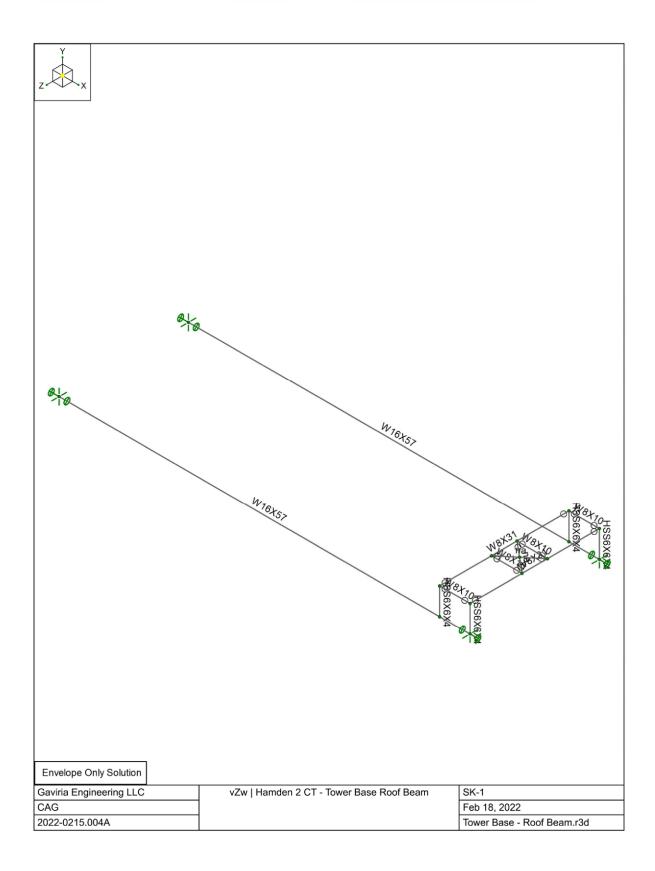
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Job Number : 2022-0215.004A

Model Name: vZw | Hamden 2 CT - Tower Base Ro...

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Checked By: ___





Designer : CAG

Job Number : 2022-0215.004A

Model Name: vZw | Hamden 2 CT - Tower Base Ro...

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Model Settings

Solution

Members

Number of Reported Sections	5
Number of Internal Sections	100
Member Area Load Mesh Size (in²)	144
Consider Shear Deformation	Yes
Consider Torsional Warping	Yes

Wall Panels

Approximate Mesh Size (in)	24
Transfer Forces Between Intersecting Wood Walls	Yes
Increase Wood Wall Nailing Capacity for Wind Loads	Yes
Include P-Delta for Walls	Yes
Optimize Masonry and Wood Walls	Yes
Maximum Number of Iterations	3

Processor Core Utilization

Single	No
Multiple (Optimum)	Yes
Maximum	No

Axis

Vertical Global Axis

[Global Axis corresponding to vertical direction	Υ
П	Convert Existing Data	Yes

Default Member Orientation

Default Global Plane for z-axis	XZ
---------------------------------	----

Plate Axis

Plate Local Axis Orientation	Global

Codes

Hot Rolled Steel	AISC 14th (360-10): ASD
Stiffness Adjustment	Yes (Iterative)
Notional Annex	None
Connections	AISC 14th (360-10): ASD
Cold Formed Steel	AISI S100-12: ASD
Stiffness Adjustment	Yes (Iterative)
Wood	AWC NDS-15: ASD
Temperature	< 100F
Concrete	ACI 318-14
Masonry	ACI 530-13: ASD
Aluminum	AA ADM1-15: ASD
Structure Type	Building
Stiffness Adjustment	Yes (Iterative)
Stainless	AISC 14th (360-10): ASD
Stiffness Adjustment	Yes (Iterative)

Concrete

Column Design

+ + + + + + + + + + + + + + + + + + + +	
Analysis Methodology	Exact Integration Method
Parme Beta Factor	0.65



: Gaviria Engineering LLC

Company Designer : CAG

Job Number : 2022-0215.004A

Model Name: vZw | Hamden 2 CT - Tower Base Ro...

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Model Settings (Continued)

Compression Stress Block	Rectangular Stress Block
Analyze using Cracked Sections	Yes
Leave room for horizontal rebar splices (2*d bar spacing)	No
List forces which were ignored for design in the Detail Report	Yes

Rebar

Column Min Steel	1
Column Max Steel	8
Rebar Material Spec	ASTM A615
Warn if beam-column framing arrangement is not understood	No

Shear Reinforcement

Number of Shear Regions	4
Region 2 & 3 Spacing Increase Increment (in)	4

Seismic

RISA-3D Seismic Load Options

THOT OF COOMIC LOAD COOL						
Code	ASCE 7-10					
Risk Category	l or ll					
Drift Cat	Other					
Base Elevation (ft)						
Include the weight of the structure in base shear calcs	Yes					

Site Parameters

$S_1(g)$	1
SD ₁ (g)	1
SD _s (g)	1
T _L (sec)	5

Structure Characteristics

[I ∠ (sec)	
TX (sec)	
C ₁ X	0.02
C₁Exp. Z	0.75
C _t Exp. Z C _t Exp. X	0.75
RZ	3
RX	3
$\Omega_0 Z$	1
$\Omega_0 X$	1
C₀Z	4
C₀X	4
ρΖ	1
ρΧ	1



Designer : CAG

Job Number : 2022-0215.004A

Model Name: vZw | Hamden 2 CT - Tower Base Ro...

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Hot Rolled Steel Properties

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

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rule	Area [in²]	lyy [in⁴]	lzz [in⁴]	J [in⁴]
	1 W16x57	W16X57	Beam	None	A992	Typical	16.8	43.1	758	2.22
[2 W8x31	W8X31	Beam	None	A992	Typical	9.13	37.1	110	0.536
[3 W8x10	W8X10	Beam	None	A992	Typical	2.96	2.09	30.8	0.043
[4 HSS6x6x1/4	HSS6X6X4	Column	Wide Flange	A500 Gr.B Rect	Typical	5.24	28.6	28.6	45.6

Member Primary Data

	Label	l Node	J Node	Section/Shape	Type	Design List	Material	Design Rule
1	M1	N1	N2	W16x57	Beam	None	A992	Typical
2	M2	N3	N4	W16x57	Beam	None	A992	Typical
3	M3	N10	N6	HSS6x6x1/4	Column	Wide Flange	A500 Gr.B Rect	Typical
4	M4	N8	N4	HSS6x6x1/4	Column	Wide Flange	A500 Gr.B Rect	Typical
5	M5	N9	N5	HSS6x6x1/4	Column	Wide Flange	A500 Gr.B Rect	Typical
6	M6	N7	N2	HSS6x6x1/4	Column	Wide Flange	A500 Gr.B Rect	Typical
7	M7	N10	N9	W8x31	Beam	None	A992	Typical
8	M8	N8	N7	W8x31	Beam	None	A992	Typical
9	M9	N10	N8	W8x10	Beam	None	A992	Typical
10	M10	N9	N7	W8x10	Beam	None	A992	Typical
11	M11	N12	N11	W8x10	Beam	None	A992	Typical
12	M12	N14	N13	W8x10	Beam	None	A992	Typical
13	M13	N14	N11	RIGID	None	None	RIGID	Typical
14	M14	N13	N12	RIGID	None	None	RIGID	Typical

Node Coordinates

	Label	X [ft]	Y [ft]	Z [ft]	Detach From Diaphragm
1	N1	0	0	0	
2	N2	27	0	0	
3	N3	0	0	8.5	
4	N4	27	0	8.5	
5	N5	25	0	0	
6	N6	25	0	8.5	
7	N7	27	1.75	0	
8	N8	27	1.75	8.5	
9	N9	25	1.75	0	
10	N10	25	1.75	8.5	
11	N11	27	1.75	3.415	
12	N12	25	1.75	3.415	
13	N13	27	1.75	5.085	
14	N14	25	1.75	5.085	
15	N15	26	1.75	4.25	



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Node Boundary Conditions

	Node Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot [k-ft/rad]
1	N1	Reaction	Reaction	Reaction	Reaction
2	N2	Reaction	Reaction	Reaction	Reaction
3	N3	Reaction	Reaction	Reaction	Reaction
4	N4	Reaction	Reaction	Reaction	Reaction
5	N5				
6	N6				
7	N7				
8	N8				
9	N9				
10	N10				
11	N11				
12	N12				
13	N13				
14	N14				

Member Point Loads

No Data to Print...

Member Distributed Loads (BLC 2 : Roof Dead Load)

Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1 M1	Υ	-0.975	-0.975	0	%100
2 M2	Υ	-0.975	-0.975	0	%100
3 M1	Υ	-0.225	-0.225	0	%100
4 M2	Υ	-0.225	-0.225	0	%100

Member Distributed Loads (BLC 3 : Roof Snow Load)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M1	Υ	-0.39	-0.39	0	%100
2	M2	Υ	-0.39	-0.39	0	%100

Basic Load Cases

	BLC Description	Category	Y Gravity	Nodal	Distributed
1	Self Weight	DL	-1		
2	Roof Dead Load	DL			4
3	Roof Snow Load	SL			2
4	Tower Load	DL		1	

Load Combinations

	Description	Solve	P-Delta	BLC	Factor								
1	IBC 16-8	Yes	Y	DL	1								
2	IBC 16-9	Yes	Y	DL	1	LL	1	LLS	1				
3	IBC 16-10 (b)	Yes	Y	DL	1	SL	1	SLN	1				
4	IBC 16-11 (b)	Yes	Y	DL	1	LL	0.75	LLS	0.75	SL	0.75	SLN	0.75



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Envelope Node Reactions

Node Label X [k]			X [k]	LC	Y [k]	LC	Z [k]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N1	max	0.083	3	23.545	3	0	3	0	3	0	4	0	4
2		min	0.072	1	18.27	1	0	1	0	1	0	1	0	1
3	N2	max	-0.072	2	54.988	3	0	3	0	3	0	4	0	4
4		min	-0.083	3	49.733	1	0	1	0	1	0	1	0	1
5	N3	max	0.083	3	23.545	3	0	3	0	3	0	4	0	4
6		min	0.072	1	18.27	1	0	1	0	1	0	1	0	1
7	N4	max	-0.072	2	54.988	3	0	3	0	3	0	4	0	4
8		min	-0.083	3	49.733	1	0	1	0	1	0	1	0	1
9	Totals:	max	0	2	157.066	3	0	3						
10		min	0	3	136.006	1	0	1						

Envelope Node Displacements

Node Label		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [rad]	LC	Y Rotation [rad]	LC	Z Rotation [rad]	LC	
1	N1	max	0	2	0	2	0	2	0	2	0	3	-9.726e-3	2
2		min	0	3	0	3	0	3	0	3	0	1	-1.235e-2	3
3	N2	max	0	3	0	2	0	2	0	2	0	2	1.335e-2	3
4		min	0	1	0	3	0	3	0	3	0	3	1.072e-2	1
5	N3	max	0	2	0	2	0	2	0	2	0	3	-9.726e-3	2
6		min	0	3	0	3	0	3	0	3	0	1	-1.235e-2	3
7	N4	max	0	3	0	2	0	2	0	2	0	2	1.335e-2	3
8		min	0	1	0	3	0	3	0	3	0	3	1.072e-2	1
9	N5	max	0	2	-0.264	2	0	2	0	2	0	2	1.277e-2	3
10		min	0	3	-0.328	3	0	3	0	3	0	3	1.022e-2	1
11	N6	max	0	2	-0.264	2	0	2	0	2	0	2	1.277e-2	3
12		min	0	3	-0.328	3	0	3	0	3	0	3	1.022e-2	1
13	N7	max	-0.222	2	-0.003	3	0	2	0	2	0	2	1.312e-2	3
14		min	-0.276	3	-0.003	1	0	3	0	3	0	3	1.051e-2	1
15	N8	max	-0.222	2	-0.003	3	0	2	0	2	0	2	1.312e-2	3
16		min	-0.276	3	-0.003	1	0	3	0	3	0	3	1.051e-2	1
17	N9	max	-0.221	2	-0.267	2	0	2	0	2	0	2	1.325e-2	3
18		min	-0.276	3	-0.331	3	0	3	0	3	0	3	1.062e-2	1
19	N10	max	-0.221	2	-0.267	2	0	2	0	2	0	2	1.325e-2	3
20		min	-0.276	3	-0.331	3	0	3	0	3	0	3	1.062e-2	1
21	N11	max	-0.221	2	-0.299	2	0	2	2.723e-3	3	1.98e-6	3	1.691e-2	3
22		min	-0.276	3	-0.299	3	0	3	2.723e-3	1	1.717e-6	1	1.424e-2	1
23	N12	max	-0.221	2	-0.562	2	0	2	2.722e-3	2	-1.716e-6	2	1.039e-2	3
24		min	-0.276	3	-0.626	3	0	3	2.722e-3	3	-1.979e-6	3	7.722e-3	1
25	N13	max	-0.221	2	-0.299	2	0	2	-2.723e-3	2	-1.716e-6	2	1.691e-2	3
26		min	-0.276	3	-0.299	3	0	3	-2.723e-3	3	-1.98e-6	3	1.424e-2	1
27	N14	max	-0.221	2	-0.562	2	0	2	-2.722e-3	3	1.979e-6	3	1.039e-2	3
28		min	-0.276	3	-0.626	3	0	3	-2.722e-3	1	1.716e-6	1	7.722e-3	1
29	N15	max	-0.221	2	-0.43	2	0	2	0	2	0	3	1.365e-2	3
30		min	-0.276	3	-0.462	3	0	3	0 4 0 1		1.098e-2	1		

Envelope AISC 14TH (360-10): ASD Member Steel Code Checks

	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	Loc[ft]	Dir	LC	Pnc/om [k]	Pnt/om [k]	Mnyy/om [k-ft]	Mnzz/om [k-ft]	Cb	Eqn
1	M1	W16X57	0.643	14.344	3	0.269	27	У	3	61.712	502.994	47.156	261.976	1	H1-1b
2	M2	W16X57	0.643	14.344	3	0.269	27	У	3	61.712	502.994	47.156	261.976	1	H1-1b
3	M3	HSS6X6X4	0.158	1.75	ფ	0.036	1.75	у	3	143.553	144.335	25.709	25.709	1.682	H1-1b
4	M4	HSS6X6X4	0.119	1.75	2	0.019	1.75	У	3	143.553	144.335	25.709	25.709	1.712	H1-1b*
5	M5	HSS6X6X4	0.158	1.75	3	0.036	1.75	У	3	143.553	144.335	25.709	25.709	1.682	H1-1b
6	M6	HSS6X6X4	0.119	1.75	2	0.019	1.75	У	3	143.553	144.335	25.709	25.709	1.712	H1-1b*



: Gaviria Engineering LLC

Company Designer : CAG

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Envelope AISC 14TH (360-10): ASD Member Steel Code Checks (Continued)

	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	Loc[ft]	Dir	LÇ	Pnc/om [k]	Pnt/om [k]	Mnyy/om [k-ft]	Mnzz/om [k-ft]	Cb	Eqn
7	M7	W8X31	0.763	4.25	3	0.39	8.5	У	2	226.685	273.353	35.124	75.767	1	H1-1b
8	M8	W8X31	0.763	4.25	3	0.395	8.5	У	3	226.685	273.353	35.124	75.767	1	H1-1b
9	M9	W8X10	0.014	2	3	0	2	У	2	79.266	88.623	4.071	21.87	1.136	H1-1b*
10	M10	W8X10	0.014	2	3	0	2	У	2	79.266	88.623	4.071	21.87	1.136	H1-1b*
11	M11	W8X10	0	2	4	0	2	У	3	79.266	88.623	4.071	21.87	1.136	H1-1b*
12	M12	W8X10	0	2	4	0	2	У	3	79.266	88.623	4.071	21.87	1.136	H1-1b*

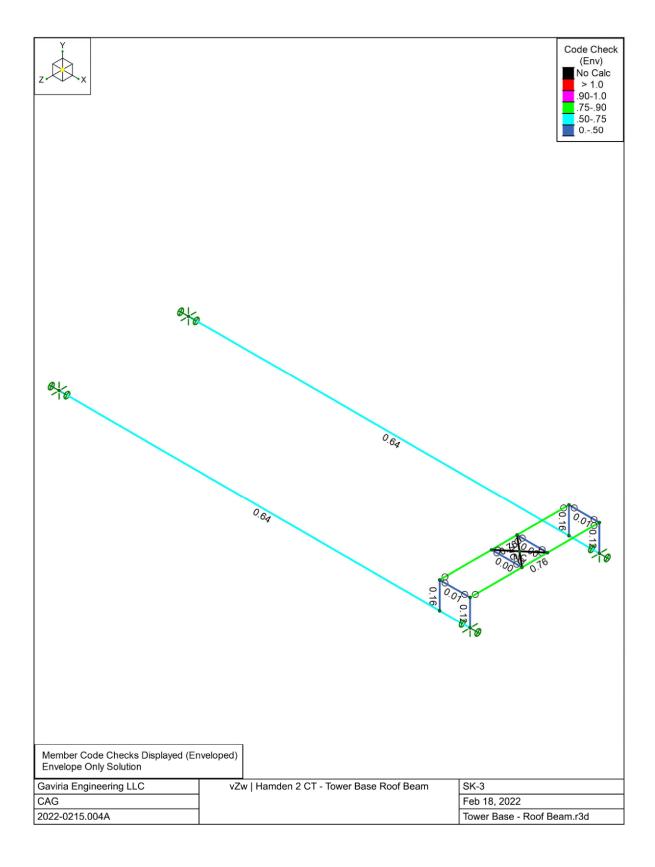


Designer : CAG

Job Number : 2022-0215.004A

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Maser Consulting Connecticut
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Post-Modification Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10127756

Maser Consulting Connecticut Project #: 21781138A

January 24, 2022

<u>Site Information</u> Site ID: 468261-VZW / HAMDEN 2 CT

Site Name: HAMDEN 2 CT

Carrier Name: VERIZON WIRELESS
Address: Sacred Heart Convent

Hamden, Connecticut 06514

New Haven County

Latitude: 41.370194° Longitude: -72.931500°

Structure Information Tower Type: 68-Ft Guyed Tower on

33.66-Ft Rooftop

Mount Type: 11.83-Ft Sector Frame

FUZE ID # 16486467

Analysis Results

Sector Frame: 84.2% Pass w/ Modifications*

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

***Contractor PMI Requirements:

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

Report Prepared By: Selene Chen



January 24, 2022 Site ID: 468261-VZW / HAMDEN 2 CT Page | 2

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	Verizon RFDS, Site ID: 324028, dated September 3, 2021
Mount Mapping Report	Hudson Design Group, LLC, Site ID: 468261, dated September 28, 2021
FAA 2-C Certification	Centek Engineering, Inc., Site Name: Hamden 2 CT, dated October 29, 2021
Previous Mount Analysis	Maser Consulting Connecticut, Project #: 21781138A, dated January 13, 2022
Mount Modification Drawings	Maser Consulting Connecticut, Project #: 21781138A, dated January 24, 2022

Analysis Criteria:

O O	ANIOU/TIA OOO II
Codes and Standards:	ANSI/TIA-222-H

Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), Vult:	119 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in

Risk Category:

Exposure Category:

Topographic Category:

Topographic Feature Considered:

Topographic Method:

Ground Elevation Factor, K_e:

II

B

N/A

N/A

0.991

Seismic Parameters: S_S: 0.201 g

S₁: 0.054 g

Maintenance Parameters: Wind Speed (3-sec. Gust): 30 mph

Maintenance Live Load, Lv: 250 lbs. Maintenance Live Load, Lm: 500 lbs.

Analysis Software: RISA-3D (V17)

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status								
	65.00	3	Samsung	MT6407-77A									
		2	Commscope	NHH-45B-R2B									
	63.50	63.50	63.50				4	Commscope	NHH-65B-R2B	Added			
				3	RFS	DB-B1-6C-12AB-0Z	Added						
62.50				3	Samsung	B5/B13 RRH-BR04C							
							, [3	Samsung	RF4439d-25A
			2	RFS	APL866513	Retained							
		4	Decibel	DB844G65ZAXY	Retained								
	61.50	3	Samsung	XXDWMM-12.5-65-8T-CBRS	Added								

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:

- All engineering services are performed on the basis that the information provided to Maser Consulting Connecticut 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 Connecticut to verify deviation will not adversely impact the analysis.
- 2. Mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

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

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

- 3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped in accordance with the NSTD-446 Standard, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.
- 4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.

- 5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.
- 6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Maser Consulting Connecticut is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.
- 7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:

Channel, Solid Round, Angle, Plate
 HSS (Rectangular)
 Pipe
 Threaded Rod
 Bolts
 ASTM A36 (Gr. 36)
 ASTM 500 (Gr. B-46)
 ASTM A53 (Gr. B-35)
 F1554 (Gr. 36)
 ASTM A325

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Face Horizontal	84.2 %	Pass
Face Vertical	37.4 %	Pass
Standoff	83.8 %	Pass
Mast Pipe	36.4 %	Pass
Standof Vertical	68.2 %	Pass
Mount Pipe	11.6 %	Pass
Tower Face Angle	73.4 %	Pass
Lightning Rod	0.5 %	Pass
Threaded Rod	2.5 %	Pass
Tieback	6.1 %	Pass
Plate Standoff	76.3 %	Pass
Mod Horizontal	26.7 %	Pass
Connection Check	26.7 %	Pass

Structure Rating – (Controlling Utilization of all Components)	84.2%
--	-------

Mount Steel (EPA)a per ANSI/TIA-222-H Section 2.6.11.2:

Ice	Mount Pipes Excluded		Mount Pipes Included	
Thickness (In)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)
0	55.7	55.7	69.7	69.7
0.5	72.7	72.6	92.8	92.7
1	88.4	88.4	114.6	114.4

Notes:

^{- (}EPA)a values listed above may be used in the absence of more precise information

January 24, 2022 Site ID: 468261-VZW / HAMDEN 2 CT Page | 5

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

Requirements:

The existing mounts will be **SUFFICIENT** for the final loading configuration (attachment 2) after the modifications detailed in attachment 3 are successfully completed.

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

Attachments:

- 1. Contractor Required PMI Report Deliverables
- 2. Antenna Placement Diagrams
- 3. Mount Modification Drawings
- 4. Mount Photos
- 5. Mount Mapping Report (for reference only)
- 6. Analysis Calculations
- 7. TIA Adoption and Wind Speed Usage Letter

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

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

PSLC #: 468261

SMART Project #: 10127756

Fuze Project ID: 16486467

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

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

Base Requirements:

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

Photo Requirements:

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

<u>Photos taken at Mount Elevation</u>

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

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

Material Certification:

- Materials utilized must be as per specification on the drawings or the equivalent as validated by the SMART Tool vendor.
 - If the materials are as specified on the drawings
 - The contractor shall provide the packing list, or the materials certifications for the materials utilized to perform the mount modification
 - Commscope, Metrosite, Perfect Vision, Sabre, and Site Pro have all agreed to support Verizon vendors with the necessary material certifications
 - If seeking permission to use an equivalent
 - It is required that the SMART Tool engineering vendor approval of such is included in the contractor submission package. There may be an additional

charge for approval if the equivalent submission doesn't meet specifications as prescribed in the drawings.
\square All hardware has been properly installed, and the existing hardware was inspected.
☐ The material utilized was as specified on the SMART Tool engineering vendor Mount Modification Drawings and included in the material certification folder is a packing list or invoice for these materials.
OR
\Box The material utilized was approved by a SMART Tool engineering vendor as an "equivalent" and this approval is included as part of the contractor submission.
Antenna & Equipment Placement and Geometry Confirmation:
\Box The contractor certifies that the photos support and the equipment on the mount is as depicted on the sketch and table included in this form and with the mount analysis provided.

			nt on the mount is not in accordance with the sketch and has photo documentation of any alterations.
Comm	ents:		
Was th	<mark>ne mount mod</mark>	lification completed in cor	njunction with the equipment change / installation?
	□Yes	□ No	
<mark>Specia</mark>	l Instructions	/ Validation as required fr	om the MA or Mod Drawings:
<mark>Issue:</mark>			
Contr	ractor to instal	l proposed OVPs on existin	ng mast pipe each sector.
Respo	nse:		
<mark>Specia</mark>	I Instruction C	onfirmation:	
		ctor has read and acknowled	ges the above special instructions.
Comm	ents:		
<u>Contra</u>	actor certifies t	that the climbing facility /	safety climb was not damaged prior to starting work:
	□Yes	□ No	
<u>Contra</u>	actor certifies r	no new damage created d	uring the current installation:
	□Yes	□ No	
<u>Contra</u>	actor to certify	the condition of the safet	ty climb and verify no damage when leaving the site:
	☐ Safety Clim	nb in Good Condition	☐ Safety Climb Damaged
Comm	ents:		

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

Α Sector:

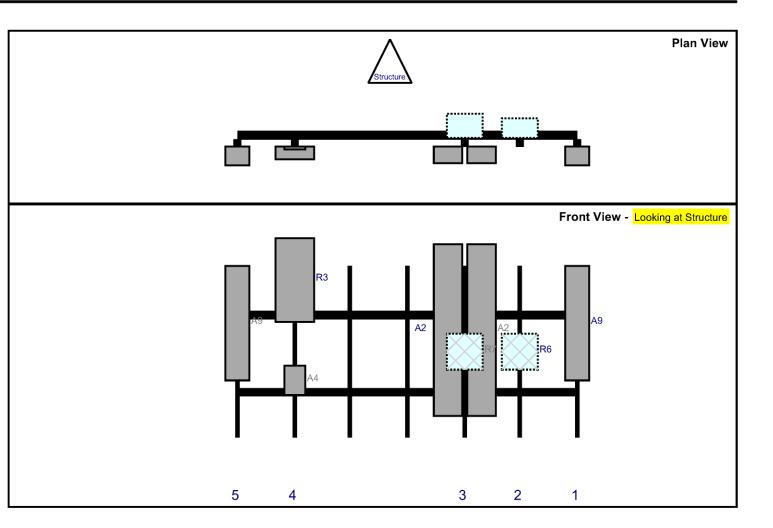
Structure Type: Rooftop

10127756

Mount Elev: 62.50

Page: 1





		Height	Width	H Dist	Pipe	Pipe	Ant	C. Ant	Ant		
Ref#	Model	(in)	(in)	Frm L.	#	Pos V	Pos	Frm T.	H Off	Status	Validation
A9	DB844G65ZAXY	48	10	142	1	а	Front	24	0	Retained	09/28/2021
R6	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	118	2	а	Behind	36	0	Added	
A2	NHH-65B-R2B	72	11.9	95	3	а	Front	27	-7	Added	
A2	NHH-65B-R2B	72	11.9	95	3	b	Front	27	7	Added	
R7	RF4439d-25A	15	15	95	3	а	Behind	36	0	Added	
A4	XXDWMM-12.5-65-8T	12.3	8.7	24	4	а	Front	48	0	Added	
R3	MT6407-77A	35.1	16.1	24	4	а	Front	6	0	Added	
A9	DB844G65ZAXY	48	10		5	а	Front	24	0	Retained	09/28/2021

Structure: 468261-VZW - HAMDEN 2 CT

Sector: B

Mount Elev:

Structure Type: Rooftop

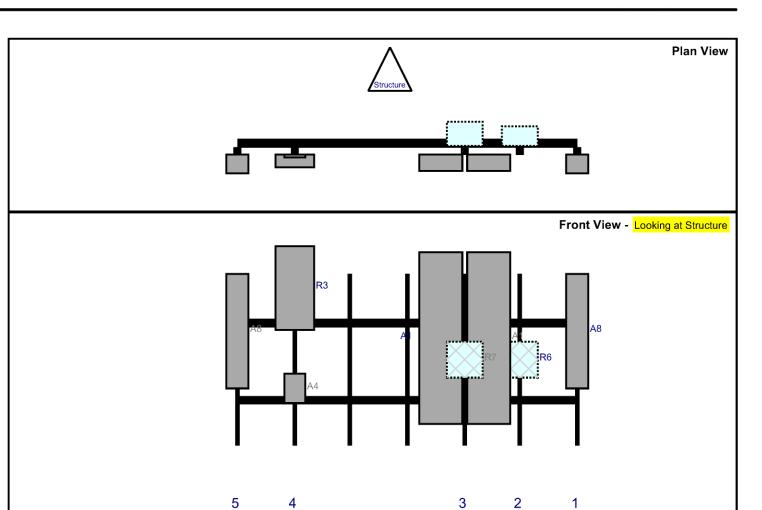
62.50

10127756

1/17/2022

MASER CONSULTING

CONNECTICUT



		Height	Width	H Dist	Pipe	Pipe	Ant	C. Ant	Ant		
Ref#	Model	(in)	(in)	Frm L.	#	Pos V	Pos	Frm T.	H Off	Status	Validation
A8	APL866513	48	9.2	142	1	а	Front	24	0	Retained	09/28/2021
R6	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	118	2	а	Behind	36	0	Added	
A1	NHH-45B-R2B	72	18	95	3	а	Front	27	-10	Added	
A1	NHH-45B-R2B	72	18	95	3	b	Front	27	10	Added	
R7	RF4439d-25A	15	15	95	3	а	Behind	36	0	Added	
A4	XXDWMM-12.5-65-8T	12.3	8.7	24	4	а	Front	48	0	Added	
R3	MT6407-77A	35.1	16.1	24	4	а	Front	6	0	Added	
A8	APL866513	48	9.2		5	а	Front	24	0	Retained	09/28/2021

Structure: 468261-VZW - HAMDEN 2 CT

С Sector:

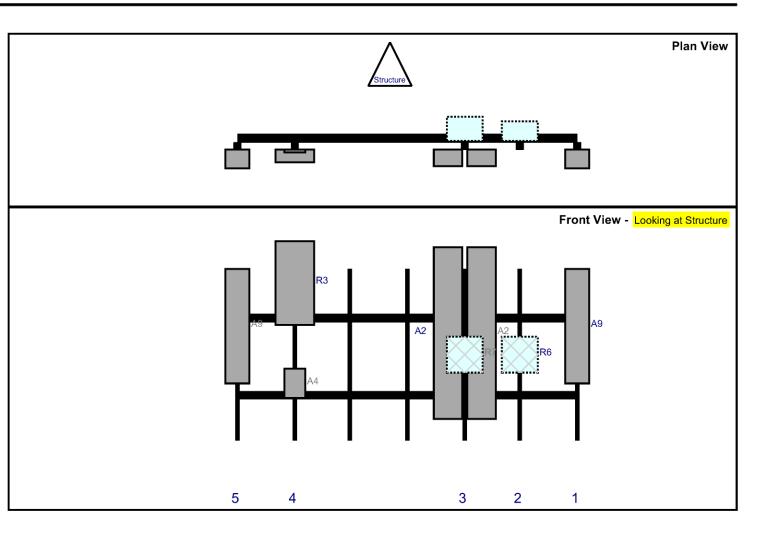
Mount Elev:

Structure Type: Rooftop

62.50

10127756





		Height	Width	H Dist	Pipe	Pipe	Ant	C. Ant	Ant		
Ref#	Model	(in)	(in)	Frm L.	#	Pos V	Pos	Frm T.	H Off	Status	Validation
A9	DB844G65ZAXY	48	10	142	1	а	Front	24	0	Retained	09/28/2021
R6	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	118	2	а	Behind	36	0	Added	
A2	NHH-65B-R2B	72	11.9	95	3	а	Front	27	-7	Added	
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R7	RF4439d-25A	15	15	95	3	а	Behind	36	0	Added	
A4	XXDWMM-12.5-65-8T	12.3	8.7	24	4	а	Front	48	0	Added	
R3	MT6407-77A	35.1	16.1	24	4	а	Front	6	0	Added	
A9	DB844G65ZAXY	48	10		5	а	Front	24	0	Retained	09/28/2021



MOUNT MODIFICATION DRAWINGS **EXISTING 11.83' SECTOR FRAME**

Verizon^v

Doing Business as Capitation 2021 Cales Espinente Locipios Maria Para de Capitation de Capitation Capitati

Colliers Engineering & Design

www.colliersengineering.com

TOWER OWNER SITE NUMBER: N/A TOWER OWNER: N/A

CARRIER SITE NAME: HAMDEN 2 CT CARRIER SITE NUMBER: 468261 FUZE ID: 16486467

SACRED HEART CONVENT **NEW HAVEN COUNTY HAMDEN, CT 06514**

LONGITUDE: 72.931500° W LATITUDE: 41.370194° N

SBOM-I BILL OF MATERIALS SGN-I GENERAL NOTES SCF-I CLIMBING FACILITY DETAIL SS-I MODIFICATION DETAILS SS-2 MOUNT PHOTOS COLLIERS ENGINEERING & DESIGN PETER ALBANO 885,379,012 PETER ALBANO@COLLIERSENGINEERING.COM PETER ALBANO@COLLIERSENGINEERING.COM PROJECT INFORMATION VERIZON WIRELESS CLIENT REPRESENTATIVE PROJECT MANAGER APPLICANT/LESSEE **DESIGN CRITERIA** BASIC WIND SPEED (3 SECOND GUST), V = 119 MPH EXPOSURE CATEGORY B TOPOGRAPHIC CATEGORY 1 MEAN BASE ELEVATION (AMS1) = 258.18° SEISMIC DESIGN CATEGORY B SHORT TERM MCER GROUND MOTION, S_S = .201 LONG TERM MCER GROUND MOTION, S_I = .054 ICE WIND SPEED (3 SECOND GUST), V = 50 MPH

ICE THICKNESS = 1.00 IN SEISMIC LOADS

ICE LOADS

COLLIERS ENGINEERING & DESIGN ALL RIGHTS RESERVED

HTTPSJ/PMI.VZWSMART.COM 10127756 468261 1/24/2022 PMI LOCATION: SMART TOOL PROJECT #: VZW LOCATION CODE (PSLC): ANALYSIS DATE:

SACRED HEART CONVENT HAMDEN, CT 06514 NEW HAVEN COUNTY HAMDEN 2 CT 468261 SPECIFICATION SHEETS

SITE NAME:

SHEET INDEX

Colliers Engineering & Design

TITLE SHEET

ST-I

		WEIGHT (LBS.)	138	168						WEIGHT (LBS.)						
		UNIT WEIGHT (LBS.)	94	4						UNIT WEIGHT (LBS.)						
BILL OF MATERIALS	SECTION 1 - VZWSMART KITS	NOTES							SECTION 2 - OTHER REQUIRED PARTS	NOTES						
BI	OSS	DESCRIPTION	150" LONG, PIPE 2 STD (2.375"OD X 0.154" THK)	CROSSOVER PLATE					SECTION	DESCRIPTION						
		PART NUMBER	VZWSMART-P40-238X150	VZWSMART-MSKI						PART NUMBER						
		MANUFACTURER				VZWSMART				MANUFACTURER						
		QUANTITY	3	12						QUANTITY						

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Colliers & Design

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RETRO	OMMSCOPE
METRO ACT RE	ADOR ANGUIANO
METRO ACT RE RE ACT RC SABI	304-7492
TE E E E E E E E E E E E E E E E E E E	SALVADOR.ANGUIANO@COMMSCOPE.COM
I I I I I I I I I I I I I I I I I I I	W.COMMSCOPE.COM
E SABI	E FABRICATORS, LLC
RE SABI	I RAMEY
E SABI	(706) 335-7045 (O), (706) 982-9788 (M)
ACT SABI	r@metrositellc.com
ACT SABI	NOSITEFABRICATORS.COM
FE SABI	RFECTVISION
ACT SABI	ELESS SALES
SABI	887-6723
ACT SABI	W.PERFECT-VISION, COM
SABI acr ii iii iii	WIRELESSSALES@PERFECT-VISION.COM
ACT TE ACT	INDUSTRIES, INC.
TE ACT	EWELCH
TE ACT	428-6937
TE ACT	AKWELCH@SABREINDUSTRIES.COM
ACT	www.sabresitesolutions.com
ACT	SITE PRO 1
	A BOSWELL
	236-9843
EMAIL PAULA BOSWELL@VALMON	PAULA.BOSWELL@VALMONT.COM
WEBSITE WWW.SITEPROL.COM	W.SITEPROI.COM

I. THE MANUFACTURERS LISTED ARE THE APPROVED VENDORS FOR THE VZW MOUNT KITS. REACH MANUFACTURER WILL BE AWARE GO WHICH KITS HAVE BEEN THROUGH THE YZW APROVAL, PROCESS AND THEY ARE IN TURN APPROVED TO SELL. PLEASE NOTE THAT THE MATERIAL UTILIZED ON THE MOUNT MODIFICATIONS WILL BR REVIEWED AS A PART OF THE DESKTOP PHI COMPLETED BY THE SMART TOOL VENDOR. IT WILL BE REQUIRED THAT THE VZW KITS SPECIFIED ARE UTILIZED IN THE MODIFICATIONS.

NOTES:

ALL MATERIALS REQUIRED FOR THE DESIGNED MODIFICATIONS BUT NOT LISTED IN THIS SHEET ARE ASSUMED TO BE PROVIDED BY THE CONTRACTOR.

VZWSMART KITS - APPROVED VENDORS NEWAVE SALES TEAM (971) 239-4762 SALES@NEWAVETC.COM WWW.NEWAVETC.COM BETTER METAL, LLC NEWAVE CONTACT PHONE EMAIL WEBSITE

DAVID STANSBERRY
(615) 535-0990 (O), (615) 631-2520 (M)
DLS@BETTERMETALCOM
WWW.BETTERMETALCOM

CONTACT PHONE EMAIL WEBSITE

SITE NAME:

SACRED HEART CONVENT HAMDEN, CT 06514 NEW HAVEN COUNTY HAMDEN 2 CT 468261

Colliers Engineering & Design

BILL OF MATERIALS

SBOM-I

- SEE MODIFICATION NOTES
- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITY COMPANIES OR OTHER PUBLIC/GOVERNING AUTHORITIES.
- THE CONTRACTOR SHALL BE REPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT PLAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR MUNICIPAL AUTHORITIES.
 - THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER, IN WRITING, OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BIDS OR PERFORMANCE OF WORK,
- THE CONTRACTOR SHALL BE RESOURIBLE FOR PROTECTING ALL EXISTING SITEMPORPHERS THOUGHOUS CHARGENG CONSTRUCTION. THE CONTRACTOR SHALL BEPAIR AND PARAGE AS A RESULT OF CONTRACTOR SHALL BEPAIR AND PARAGE AS A RESULT OF SATISACTOR SEVENSE TO THE ASSTRUKTION OF THE COUNTRACTORS EXPENSE TO THE ASSTRUKTION OF THE OWNER.
- THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MATTERIALS, EQUIPMENT FOR DEADS REQUIRED TO COMPLIFE THIS PROJECT ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MAUL/ACTURENS RECOMMENDATIONS.
- THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING THE BID TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND CONSTRUCTION DRAWNIGS.
 - THE CONTRACTOR SHALL VERIFY LAL ENTING DIPERSIONS AND CONDITIONS RIGHT OF CONDITIONS RIGHT OF CONDITIONS FROM TO COMPRECIONS ANY WORK ALL DIPERSIONS OF EXITED CONTRACTOR SHAVING HERE DRAWNES WHERE REVERIED. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTOR MANAGER OF ANY DISCREMANCIES RIGHT THE CONSTRUCTOR MANAGER OF ANY ORGENANCIES RIGHT OF ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
- TAKEN THE CELL STEM YE SECTION, CALL SKETT PRECALTIONS NUST EN TAKEN WHEN WORKING AROUND HIGH LENGT OF EETTHOWNGNETT CHANNES OF EETTHOWNGNETT CHANNES OF ESTHOTOWN WORD THAT COLLID DETOGET HE WORKERS TO DANGER BESTONAL PROPOSITE HE WORKERS TO DANGER BESTONAL PROPOSITED TO BE WORN TO ALERT OF ANY POTTATIONS ARE REQUISED TO BE WORN TO ALERT OF ANY POTTATION TO ALERT OF ANY POTTATION TO ALERT OF ANY
- NO NOISE, SMOKE, DUST OR ODOR WILL RESULT FROM THIS FACILITY AS TO CAUSE A NUISANCE.
- THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION (NO HANDICAP ACCESS IS REQUIRED).

GENERAL NOTES

- THEE MODIFICATIONS HAVE BEEN DEIGNUD IN ACCORDANCE WITH THE GOVERNUM ROVISIONS OF THE TELECOMPHUNICATIONS INDUSTRY STANDARD THAT MATERIALS AND SERVICES ROVIDED BY THE CONTRACTOR SHALL CONFORM TO THE ABOVE MENTIONED CODES.
 - CONTRACTOR SHALL TAKE ALI PRECALITIONS INCESSARY TO REVENT DAWAGETO DESINANG STRUCTURES. ANY DAWAGETO DESTINA STRUCTURES AS, ARBUIT OF THE CONTRACTORS WORK OR REOM MARKED UP TO THE CAUSES SHALL BERDANDED AT THE CONTRACTORS EVERNES TO THE SATISFACTION OF THE OWNER.
- CONTRACTOR SHALL VERIFY ALL DETRINGNESSONS AND EXISTING CONDITIONS
 BEFORE ESCENINISM, OWEN, CADERNOR OF VETRALLA, MORE PREPARING OS SHO DAWNINGS, ANY DISCERBANCIES BETWEEN FELLO CONDITIONS AND THE CONTRACTOR DOLWHEN SHALL BE BEDOLGHT TO THE PREPARTE CONTRACTOR DOLWHEN SHALL BE BEDOLGHT TO THE PREPARTE PRISTING CONDITIONS THAT ARE NOT REPRESENTED ON THESE DAAWINGS, OR AFT CONDITIONS THAT WOULD INTERFER WITH THE INSTALLATION OF THE PRODING THAT WOULD INTERFER WITH THE INSTALLATION OF THE PRODING THAT WOULD INTERFER WITH THE INSTALLATION
- 4 IT IS ASSUMED THAT ANY STRUCTURAL MODIFICATION WORK SPECIFED ON THEE PARK WILL EACCOMPLISHED BY KNOWLEDGEABLE WORKHEN WITH TOWER CONSTRUCTION DEPRIENCE.
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLET YES RONSIBLE FOR ALL CONTRUCTON METHODS, MEANS. TECHNIQUES, SEQUENCES, AND PROCEDURE.
 - ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, RECTOR PLANS, AGGING FAUNS, CLIBING DEVENA, AND RESCUE PLANS, SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE RECTORNO OF THE WORD NOT NUMBED HEARD AND SHALL MET ANGENERAL STATE TEDITON, OSHA, AND GENERAL INDUSTRY. STANDARDS, ALL RIGGING PLÁNS SHALL ADHERE TO ANSITTA-312 (LATEST EDITION) INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED EDITION THE ARQUIRED TO A CONSTRUCTION.
 - THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PROGRAMS IN ACCORDANCE WITH APPLICABLE SAFETY CODES.
 - WORK SHALL ONLY BE PERFORMED DURING CALM DRY DAYS (WINDS LESS THAN 30-MPH). THE STRUCTURE SHOWN ON THE DRAWINGS IS STRUCTURALLY SOUND ONLY IN THE COMPLETED FORM. THE

CONTRACTOR SHALL BERSONSHEES FOR THE STREAM HAND STREAM.

OF THE STREAM, DINING DIRECTION CONTRACTOR SHALL BROWNE
TERPORARY SUPPORT, STREAMS, BEACHES, AND AND OTHER STREATURE
STREAMS REQUIRED TO REST ALL FORCES THAT MAY OCCUR, DUNING
HANDLING AND RESTORN UNIT. HE STREATURE BE LULY COMPLETED
THEROPARY SUPPORT, BACKING AND OTHER STRUCTURE, STSTEMS
REQUIRED DUNING CONTRUCTION OTHER STRUCTURE, STSTEMS
REQUIRED DUNING CONTRUCTION SHALL REMAIN THE CONTRACTORS

ALL PROPOSED ANDIOR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE RIND OF THE BOLT IS ATTLEAST FLUSH WITH THE FACE OF THE NUT. IT IS NOT PERMITTED FOR THE BOLT END TO BE BELOW THE FACE OF THE NUT AFTER TIGHTBINING IS COPPLETED.

ALL INSTALLATIONS PERFORMED ON THIS STRUCTURE SHALL BE COMPLETED IN ACCORDANCE WITH THE GOVERNION BROWISIONS OF THE STANDARD FOR INSTALLATION, ALTERATION AND MAINTENANCE OF ANTENINA SUPPORTING STRUCTURES AND ANTENINAS, ANSUTIA-332.

ALL HOLES IN STEEL MEMBERS SHALL BE SIZED 1/16" LARGER THAN THE BOLT DIAMETER. STANDARD HOLES SHALL BE USED UNLESS NOTED OTHERWISE

WELDING NOTES

14. ALL EXISTING PAINTEDIGALVANIZED SURRACES DAMAGED DURING REHAB INCLUDINA ARGA UNDIGS STIFFIRE RUTS SHALL IE WHE BRUSHED CLEAN, REPAINTED BY COLD GALVANIZING (ZNAGA OR ZINC COTE), AND REPAINTED TO MATCH THE EXISTING RINA (IF APPLICABLE).

GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.

ALL WELDING SHALL BE DONE IN ACCORDANCE WITH AWS DI 0 (LATEST BEDTING), THIS SHALL INCLUDE A CERTIFIED WELD INSPECTION (CW) FOR ACCEPTANCE OR REJECTION OF ALL WELDING OFBRATIONS, REE DURING AND POST INSTALLATION, SING THE ACCEPTANCE CRITERA OF AWS DILIA

CONTRACTOR IS REPONSIBLE FOR COMMISSIONING A THIRD PARTY CERTHERD WAS ON INSPECTOR (CW) THROUGHOUT THE BYTIRETY OF THE PROJECT A PASSING CWI REPORT SHALL BE RROYIDED TO THE ENGINERN UPON COMPLETION OF THE PROJECT.

- 10. CONTRACTOR SHALL SECURE SITE BACK TO BKISTING CONDITION UNDER SUFFERWAY ON THE ALL FING. ECOSPAGE, GROUNDING, AND SURROUNING GRADE SHALL BE REPLACED AND SIRPARED AS REQUIRED TO ACHOEF OWING MACKAL, POSTITVE DRAINAGE, ANY FRONT TOWER SITE SHALL BE MANTANED.
 - OWNERCHORS ENFERT INTS SUPPORTED BY HER THE CLINE AND THE STRUCTURE NOT SECRETICALLY DEFALLED IN THE CONTRACTO COCHEMINE STRUCTURE TO THE RESPONSITIONS SHALL BE DESIGNED. COCHEMINED MAIN RECEITED BY THE REPORTS SUPPORTS AND SUPPORTS SHALL BE DESIGNED. COCHEMINED AND INSECTED BY THE REPORTS SUBMIT SIGNED AND SELECT OWNERS THE PROPERTY SUBMIT SHALL BE DESIGNED.
 - 12. DO NOT SCALE DRAWINGS.
- 13. DO NOT USE THESE DRAWINGS FOR ANY OTHER SITE.

THE CERTIFIED WAS DURSECTORS ALTER, IDPOCATE, AN WARITER CONTINUED OF STRANDINGS REE, DURING, AND POST IN THE PROTOGRAPHS AND POST IN THE PROTOGRAPHS AND DOCUMENTATIONS SIZE DURING, AND POST IN THE PROTOGRAPHS AND DOCUMENTATION SUPPORTING THE ACCEPTANCE OR RECEIVED OF ALL WAS DURING THE ACCEPTANCE OR DOCUMENTATION AND PROTOGRAPHS THE ACCEPTANCE OR DOCUMENTATION AND PROTOGRAPHS THE PROTOGRAPHS AND PROTOGRAPHS AN

- ALL MATERAL UTILIZED FOR THIS PROJECT MUST BE NEW AND REE OF ANY DEFECTS, ANY MATERIAL SUSSTITUTIONS, INCLUDING BUT NOT LIMITED TO ALTIERED SIZE AND/OR STRENGTHS, MUST BE APROVED BY THE OWNER. AND ENGINEER IN WRITING.
 - THE MOUNT UNDER NO CIRCUMSTANCES SHOULD BE USED AS A TIE OFF POINT.

STRUCTURAL STEEL

OXY FUE GAS WELDING OR BRAZING IS STRICTLY PROHIBITED SPECIFICALLY, NO TORCH CUTTING IS PERMITTED ON SITE ALL HOLES SHALL BECUT WITH A GRINDER.

CONTRACTOR SHALL EXERCISE CAUTION WHEN WELDING A GALVANIZED SURFACE

CONTRACTOR SHALL HAVE A FIRE PROTECTION PLAN IN PLACE THAT CONFORMS WITH ALL OSHA, ANSI/ASSP A 10,48, ANSI/2491, AND LOCAL JURISDICTIONAL REQUIREMENTS.

IN CASES WHERE A WELD IS SPECIFED BETWEEN TWO MEMBERS IN WHICH THERE IS A GAP IN BETWEEN, THE WELD IS TO BE BUILT-UP SUCH THAT THE SIZE OF WELD ON THE MEMBER IS EQUAL TO THAT SHOWN IN THE DRAWINGS.

- DESIGN, DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL.
 SHALL CONFORM TO THE FOLLOWING PUBLICATIONS EXCEPT AS
 SPECIFICALLY INDICATED IN THE CONTRACT DOCUMENTS.

 - a. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), MANUAL OF STEEL CONSTRUCTION (15TH EDITION).
- b. SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490
 - BOLTS
- STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING UNLESS OTHERWISE SHOWN: c. AISC CODE OF STANDARD PRACTICE
- CHANNELS, ANGLES, PLATES, ETC. ASTM A36 (GR 36) STEEL PIPE ASTM A53 (GR 35) BOLTS ASTM A325
- ALL SUSTITUTIONS ROPOSCED BY THE CONTRACTOR SHALL BE APPROVED NO WARTHWO BY THE BROINERS CONTRACTOR SHALL REQUIRE BY CONTRACTOR SHALL RROWNER BY CONTRACTOR SHALL RROWNER BY CONTRACTOR SHALL RROWNER BY SURFAIR TO MEST AND RESIDENCES THE SUSTITUTION FROM THE CONSTITUTION SHALL DISTING CHIEF CONTRACTOR SHALL DISTING CHIEF SHALL SHALL DISTING THE STATE OF CONTRACTOR SHALL S SUB-CONTRACTORS, SHALL BE PROVIDED TO THE ENGINEER. CONTRACTOR SHALL PROVIDE ADDITIONAL DOCUMENTATION AND/OR SPECIFICATIONS TO THE DOSINEER AS REQUESTED. ASTM A563 LOCKING STRUCTURAL GRADE NUTS LOCK WASHERS
 - PROVIDE STRUCTURAL STEEL SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
 - a. SUBMIT SHOP DRAWINGS TO

PETER.ALBANO@COLLIERSENGINEERING.COM

- b. PROVIDE MASER CONSULTING PROJECT # AND MASER CONSULTING PROJECT ENGINEER CONTACT IN THE BODY OF THE EMAIL
- DRILL NO HOLES IN ANY NEW OR EXETING STRUCTURAL STEE MEMBERS OTHER THAN THORS SHOWN ON STRUCTURAL DRAWINGS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.
- GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
- ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER PROTECTION IN ADDITIONAL NEW STEEL SHALL BEPAINTED TO MATCH EXISTING STEEL CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
 - ALL BOLT ASSEMBLES FOR STRUCTURAL NEMBERS REPRESENTED IN THIS DRAWNING REQUIRE LOCKING DEVICES TO BE INSTALLED IN ACCORDANCE WITH THA.222-H SECTION 49.3 REQUIRENENTS. CONTRACTOR SHALL PROTECT CUT ENDS OF ALL FIELD-CUT STEEL WITH TWO (2) COATS OF COLD GALVANIZATION (ZINGA OR ZING COTE).
- WHERE CONNECTIONS ARE NOT FULLY DETAILED ON THESE DRAWINGS, FABRICATOR SHALL DESIGN CONNECTIONS TO RESIST LOADS AND FORCES WHERE SHOWN ON DRAWINGS AND AS OUTLINED IN SPECIFICATIONS.
- FOR MEMBERS BEING REPLACED, PROVIDE NEW BOLTS AND MATCH EXISTING SIZE AND GABLE MAINTAIN ABIG REQUIREMENTS FOR MINIMUM BOLT STANCE AND SPACING.

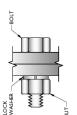
1/8 2 1/4 2 5/8 ٣ MIN. EDGE DISTANCE 8/ - /4 1/2 3/4 2/8 BOLT SCHEDULE (IN.) 1 | | | 6 × 1 5 / 16 91/11×91/6 15/16 x 1 1/8 11/16 × 7/8 STANDARD SHORT HOLE SLOT 13/16 x 1 91/11 13/16 91/1 15/16 9//6 1/5 2/8 3/4 2/8

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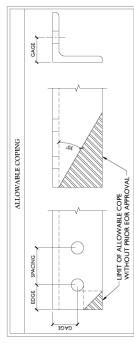
LEG GAGE 4 2 1/2 3 1/2 2 3 3 13/4 2 1/2 13/8 2 1 1/8	WORKABLE	WORKABLE GAGES (IN.)
	LEG	GAGE
	4	2 1/2
	3 1/2	2
	3	1 3/4
	2 1/2	1 3/8
	2	8/1



- ALL DIMENSIONS REPRESENTED IN THAT ABOVE TABLES AGE AND INNUM REQUIREMENTS. CONTRACTOR SHALL VIREY SKITING CONDITIONS IN FEEL WAND NOTIFY ENGINEER IS DISTANCE ARE LESS THAN THOSE PROVIDED. NOTES
- THE DIMENSIONS PROVIDED ARE MINIMUM REQUIREMENTS. ACTUAL DIMENSIONS OF PROPOSED MENBERS WITHIN THESE DRAWNINGS MAY VARY ROW THE AISC MINIMUM REQUIREMENTS.

TYP. BOLT ASSEMBLY

- SHORT SLOT HOLES SHALL ONLY BE USED WHEN DEPICTED IN THE DRAWINGS
- MATCH EXISTING GAGES WHEN APPLICABLE, UNLESS MINIMUM ED DISTANCES ARE COMPROMISED.





EXCENSION	SUIRA	Every what's Dellow.	Call laters you de	FOR STATE SPECIFIC DIRE WWW.CA	
	IN THE	ω	SHALL	IN FIELD	ANICES

FOR STATE SPECIAL DIRECT PHONE MUMBERS WWW. CALLSTI. COM	AS SHOWN 21781
RORS	SOUE AS SH





SITE NAME

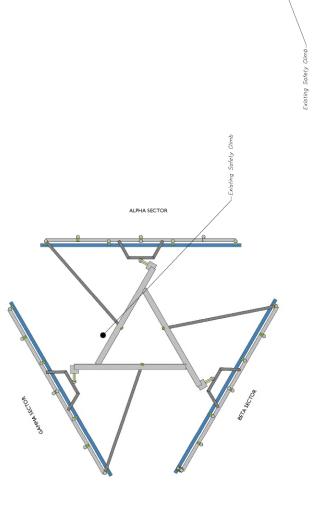
HAMDEN 2 CT

SACRED HEART CONVENT HAMDEN, CT 06514 NEW HAVEN COUNTY 468261

Colliers Engineering & Design

MODIFICATION NOTES

NOT SCALE DRAWINGS FOR CONSTRUCT SGN-I





CLIMBING FACILITY PHOTO

CLIMBING FACILITY LOCATION SCALE, N.T.S.

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

7

PER THE MOUNT MAPPING COMPLETED BY HUDSON DESIGN GROUP, LLC. ON 9728,023, THE CLIMBING FACULTES UP TO THE YER/ZON MOUNT ELEVATION (62-4") ARE OBSTRUCTED BY CABLING. COLLIERS ENGINEERING & DESIGN DOES NOT WARRANT THIS INFORMATION.

STRUCTURAL NOTES:

verizon

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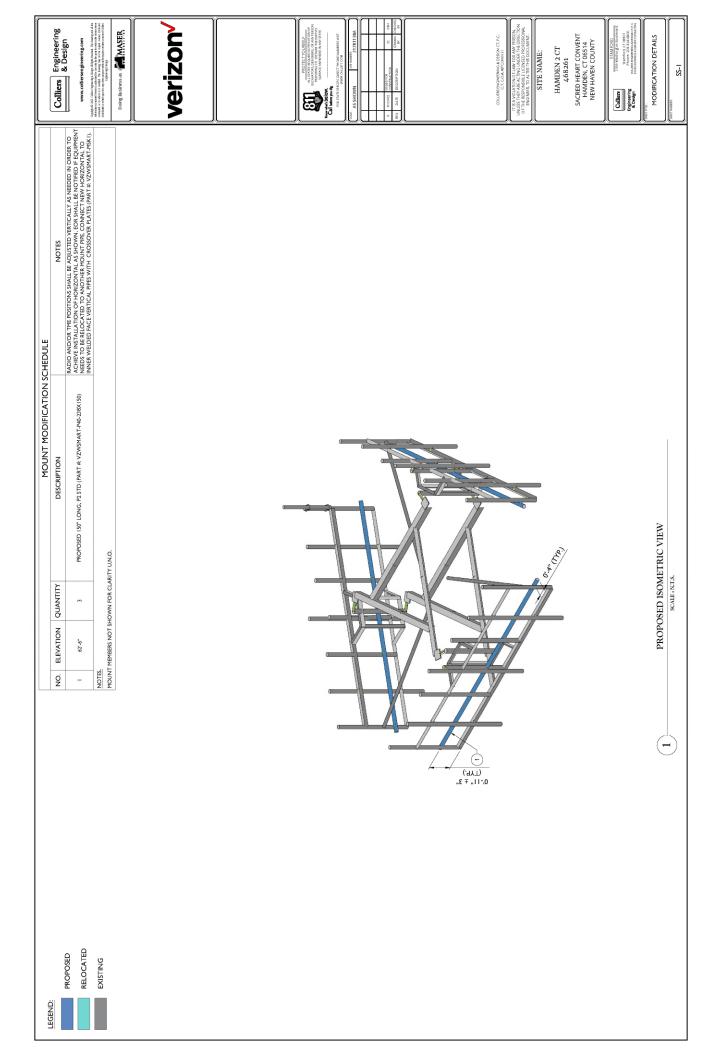
SITE NAME:

SACRED HEART CONVENT HAMDEN, CT 06514 NEW HAVEN COUNTY HAMDEN 2 CT 468261

Colliers Engineering & Design

CLIMBING FACILITY DETAIL

SCF-I









MOUNT PHOTO 4

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verizon

MOUNT PHOTO 1

SITE NAME:

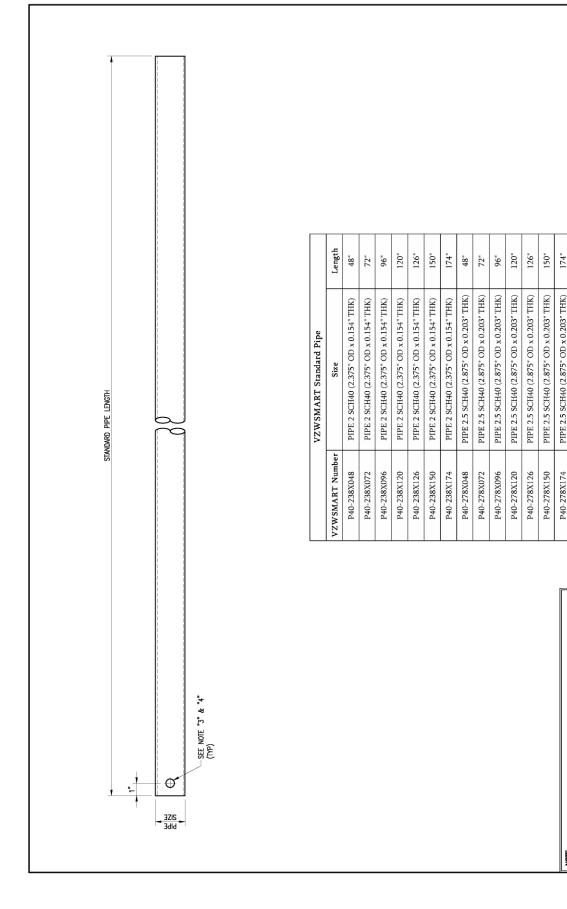
HAMDEN 2 CT 468261 SACRED HEART CONVENT HAMDEN, CT 06514 NEW HAVEN COUNTY

Colliers Engineering & Design

MOUNT PHOTOS

SS-2

MOUNT PHOTO 3



SMART Tool®

 $V_{\mathbf{Z}}W$

Vendor

BT 08/04/21 BY: HMA/KW 0 VZWSMART STANDARD PIPE VZWSMART-PIPE ON FIRST ISSUE

> 126" 150" 174"

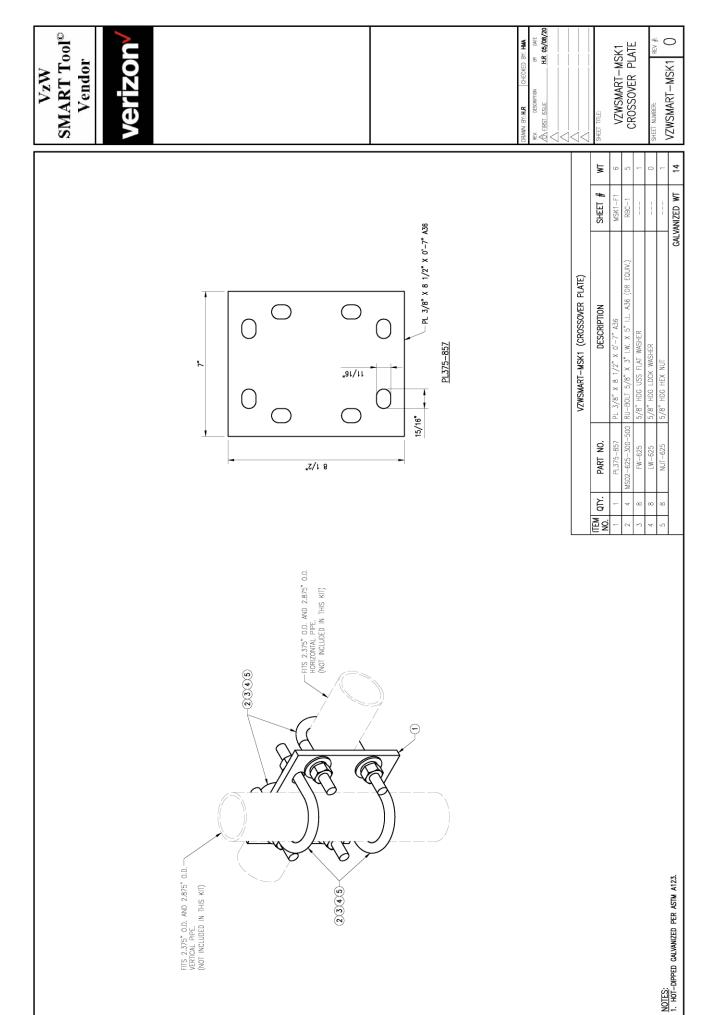
48" 72"

PIPE 3 SCH40 (3.5" OD x 0.216" THK) PIPE 3 SCH40 (3.5" OD x 0.216" THK)

P40-312X048 P40-312X072 P40-312X126 P40-312X150 P40-312X174

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

- NOTES:
 1. ALL PIPE GRADE A53-B OR BETTER.
 2. HOT-DIPPED GALVANIZED PER ASTM A123.
 3. ALL HOLES ARE IT/16" DIA. U.N.O.
 4. HOLES MAY OR MAY NOTE PETEZENT, DEPEND UPON MANUFACTURE DISCRETION.
 5. ALL FIELD CLIT AND DRILLED SUFFACES SHALL BE REPARED WITH A MINIMUM OF TWO COATS
 6. ALL FIELD CLIT AND DRILLED SUFFACES SHALL BE REPARED WITH A MINIMUM OF TWO COATS
 OF ZINCA OR ZINC COTE PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS.







V4.0 Updated on 3-31-2021



	Antenna Mount Mapping Form (PATEN	T PENDING)		FCC#			
Tower Owner:	SBA	Mapping Date:	9/28/2021				
Site Name:	HAMDEN 2 CT	Tower Type:	Guyed	Tower			
Site Number or ID:	468261	Tower Height (Ft.):	6	5			
Mapping Contractor:	HUDSONE DESIGN GROUP, LLC.	Mount Elevation (Ft.):	42	2.5			

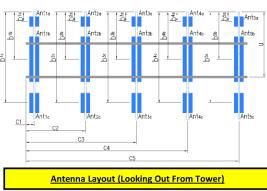
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Please insert the sketches of the antenna mount from the "Sketches" tab with dimensions and members here.

		Mount Pip	e Configurat	ion and G	eometries [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	2" STD. PIPE X 53" LONG	53.00	0.00	C1	2" STD. PIPE X 53" LONG	53.00	0.00
A2	2" STD. PIPE X 72" LONG	53.00	25.50	C2	2" STD. PIPE X 72" LONG	53.00	25.50
A3	2" STD. PIPE X 72" LONG	60.00	71.00	C3	2" STD. PIPE X 72" LONG	60.00	71.00
A4	2" STD. PIPE X 72" LONG	53.00	117.00	C4	2" STD. PIPE X 72" LONG	53.00	117.00
A5	2" STD. PIPE X 53" LONG	53.00	143.00	C5	2" STD. PIPE X 53" LONG	53.00	143.00
A6				C6			
B1	2" STD. PIPE X 53" LONG	53.00	0.00	D1			
B2	2" STD. PIPE X 72" LONG	53.00	25.50	D2			
В3	2" STD. PIPE X 72" LONG	58.50	71.00	D3			
B4	2" STD. PIPE X 72" LONG	52.00	117.00	D4			
B5	2" STD. PIPE X 53" LONG	53.00	143.00	D5			
B6				D6			
	Distance between bottom rai	and moun	t CL elevati	on (dim d). Unit is inches. See 'Mount Elev Ref' tab	for details. :	17.50
	Distance from to	p of bottor	m support r	ail to lowe	est tip of ant./eqpt. of Carrier above. (N/A	if > 10 ft.):	
	Distance from to	p of botton	n support ra	ail to highe	est tip of ant./eqpt. of Carrier below. (N/A	if > 10 ft.):	5
		Please ente	er additiona	l infomati	ion or comments below.		
GUY TOW	ER LOCATED ON ROOFTOP.						
Tower Fac	e Width at Mount Elev. (ft.):	2.5	Tower Leg 5	ize or Pole	Shaft Diameter at Mount Elev. (in.):		1.5
For T-Arms	/Platforms on monopoles, report	the weld si	ze from the	main stand	loff to the plate bolting into the collar mount		

	GUY TOWER LOCATED ON ROOFTOP.	
2/14	Tower Face Width at Mount Elev. (ft.): 2.5 Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	1.5
7 1	For T-Arms/Platforms on monopoles, report the weld size from the main standoff to the plate bolting into the collar mount.	
SECTOR B SECTOR C	Manager and a second a second and a second a	Planta

SECTOR B	-sector c
LEG B	LEG C
SECTOR A	Horizontal
	Offset "h"



	Enter antenn	a model.	If not labe	led, enter "	'Unknown'	,	Mountin [Units are incl	g Locations nes and de		Photos of antennas
Ants. Items	Antenna Models if Known	a model. If not labeled, enter with the labeled and the labeled and labeled an		Coax Size and Qty		Vertical Distances"b _{1a} , b _{2a} , b _{3a} , b _{1b} " (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers	
					Sector A					
Ant _{1a}										
Ant _{1b}	DB844G65ZAXY	10.00	8.00	48.00		43.2083	27.00	7.50	50.00	33,39
Ant _{1c}										
Ant _{za}										
Ant _{2b}	HBXX-6517DS-A2M	12.00	6.00	75.00	3	42.625	34.00	9.00	36.00	33,40
Ant _{2c}										
Ant _{3a}			111111111							
Ant _{3b}	LNX-6514DS-A1M	12.00	7.50	73.00		42.875	38.00	8.00	36.00	33,42
Ant₃c										
Ant _{4a}	CDMUM ADCED	42.00	7.50	72.50		40 7047	22.00	40.00	26.00	24.44
Ant _{4b}	SBNHH-1D65B	12.00	7.50	72.50		42.7917	32.00	10.00	36.00	34,44
Ant _{4c} Ant _{5a}										
Ant _{5a}	DB844G65ZAXY	10.00	8.00	48.00		43.2083	27.00	7.50	50.00	34,45
Ant _{5c}	DB044G03ZAX1	10.00	8.00	46.00		43.2003	27.00	7.50	30.00	34,43
Ant on										
Standoff										
Ant on										
Standoff Ant on										
Tower										
Ant on										
Tower										

	Mount Azimuth (Degree) Tower Leg Azimuth (Degree)										Sector E					
	nt Azimuth for Each Se		e)	Tower Leg Azii for Each		Ant _{1a}					Sector					
Sector A:	36.00	_	Leg A:	326.00	206.00 Deg A 86.00 Deg A		DB844G65ZAXY	10.00	8.00	48.00		43.2083	27.00	7.50	170.00	35,39
Sector B:	150.00	Deg	Leg B:	206.00	Deg	Ant _{1c}										
Sector C:	260.00	_	Leg C:	86.00		Ant _{2a}										
Sector D:			Leg D:		Deg	Ant _{2b}	HBXX-6517DS-A2M	12.00	6.00	75.00		42.625	34.00	9.00	150.00	35,40
Location:	27.00	Deg	oing Fac	Outside Face A		Ant _{2c} Ant _{3a}										
Location.		sion Typ	e:	Good condition.		Ant _{3b}	X7C-FRO-640-VR0	19.00	9.00	72.00		42.6667	39.00	11.50	150.00	35,47
Climbing		ccess:		Climbing path was o	bstructed.	Ant _{3c}										,
Facility	Co	ndition:		Good condition.		Ant _{4a}										
						Ant _{4b}	SBNHH-1D45B	18.00	7.00	72.00		42.3333	36.50	8.50	150.00	36,49
						Ant _{4c}										
						Ant _{5a} Ant _{5b}	DB844G65ZAXY	10.00	8.00	48.00		43.2083	27.00	7.50	170.00	34,45
						Ant _{5c}		20.00	0.00	10.00		1012000	27.00	7.00	270.00	0.,,.0
						Ant on										
						Standoff Ant on										
						Standoff										
Plea	se insert a	ohoto of	f the mo	ount centerline measi	urement here.	Ant on Tower										
						Ant on										
						Tower					Sector 0					
						Ant _{1a}					Jector C					
						Ant _{1b}	DB844G65ZAXY	10.00	8.00	48.00		43.2083	27.00	7.50	270.00	37,39
						Ant _{1c}										
						Ant _{2a}	LIBVY 6547BC 151	42.00		75.65		42.00-	24.00	0.00	240.00	27.72
						Ant _{2b}	HBXX-6517DS-A2M	12.00	6.00	75.00		42.625	34.00	9.00	240.00	37,40
			Th			Ant _{3a}										
Г	4 6	4	HA	£.		Ant _{3b}	LNX-6514DS-A1M	12.00	7.50	73.00		42.875	38.00	8.00	240.00	37,42
						Ant _{3c}										
4		++	#			Ant _{4a}										
	ו ה	F		THE OF EQUIPMENT	-	Ant _{4b}	SBNHH-1D65B	12.00	7.50	72.50		42.7917	32.00	10.00	240.00	38,44
Г	- г	- 1111		1 🗆	DISTANCE FROM TOP OF MAIN PLATFORM MEMBER TO LOWEST TIP OF ANY, PEPT. OF CARRIER ABOVE. (N/A IF > 10 FT.)	Ant _{5a}										
c		++++	ĦĦ		(N/A IF > 10 FT.)	Ant _{5b}	DB844G65ZAXY	10.00	8.00	48.00		43.2083	27.00	7.50	270.00	38,45
		+	111	<u> </u>	-	Ant _{5c}										
EXISTING PLATFORM—	u .		"	Ľ	DISTANCE FROM TOP OF MAIN PLATFORM MEMBER TO HICHEST TIP OF ANT./EDPT. OF GARRIER BELOW. (N/A IF > 10 FT.)	Ant on Standoff										
Г	<u> </u>	-1111	1 ۲	TIP OF EQUIPMENT		Ant on										
						Standoff Ant on										
٩		++	2	Þ		Tower										
L	J 4	Щ	-	J W		Ant on Tower										
	_	FOR PLAT	FORMS								Sector D)				
				1		Ant _{1a}										
1	-					Ant _{1b}										
4	 -	#		TIP OF EQUIPMENT		Ant _{2a}										
			/			Ant _{2b}										
Г	7	7 K	$\overline{\Box}$	1 -	DISTANCE FROM TOP OF BOTTOM SUPPORT RAL TO LOWEST TIP OF ANT/BOPT, OF CARRIER ABOVE, (N/A IF > 10 FT.)	Ant _{2c}										
4				 	(N/A IF > 10 FT.)	Ant _{3a} Ant _{3b}										
					1	Ant _{3c}										
EXISTING SECTOR FIN	WE	7		W	DISTANCE FROM TOP OF BOTTOM SUPPORT RAL TO HIGHEST TIP OF ANTI-BUPT, OF CARRIER BELOW. (N/A IF > 10 FT.)	Ant _{4a}										
MOL	INT	K		TIP OF EQUIPMENT		Ant _{4b}										
La] [۱ ۲		T CO ESCAPACIO	_	Ant _{4c}										
d		-	\dashv	 		Ant _{5a} Ant _{5b}										
ı,				<u> </u>		Ant _{5c}										
L.	با ل	- 12		1 4		Ant on										
For T-Arms,	/Platforms o	n monor	ooles, re	cord the weld size from	the main standoff	Standoff Ant on										
				lar. See below for refe		Standoff										
//			_			Ant on Tower										
m11					Y	Ant on										
						Tower										
REPORT WELD SIZE FROM STANDOFF TO PLATE BOLTING																
INTO COLLAR MOUNT.																

	Observed Safety and Structural Issues During the Mount Mapping	
Issue #	Description of Issue	Photo #
1	CLIMB PATH OBSTRUCTED BY CABLING	25
2	TOWER INFO: NUDD TOWERS / MODEL: 65' G 30 W RAR / SEREIAL: 7168 HAYDEN CT. / PROJECT: VERIZON	24
3		
4		
5		
6		
7		
8		

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

Mapping Notes

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

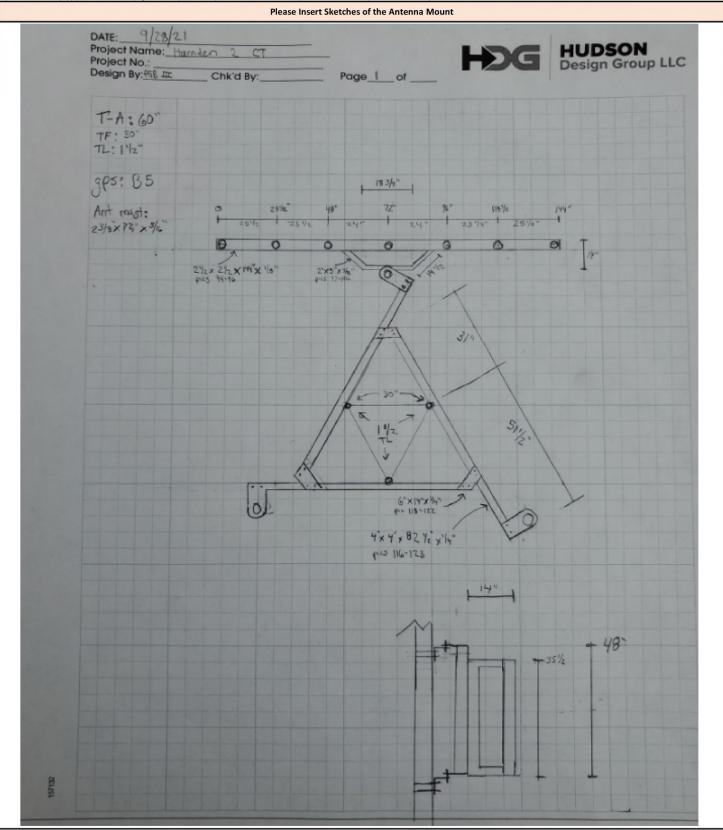
Standard Conditions

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

V4.0 Updated on 3-31-2021

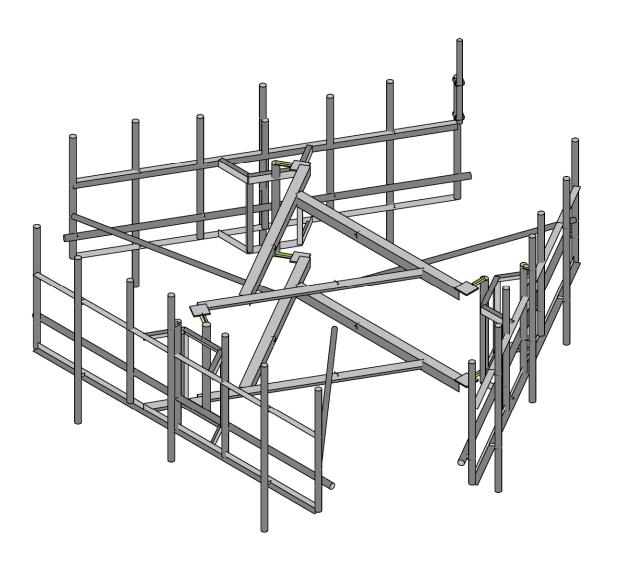


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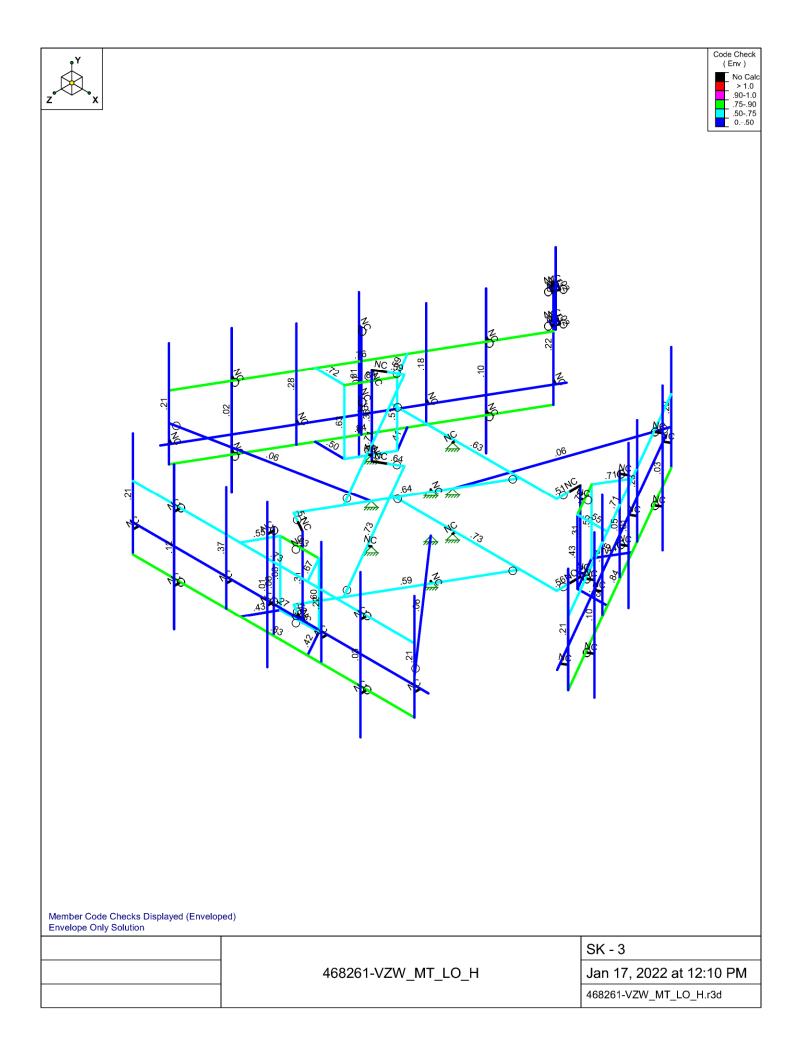
Please Insert Sketches of the Antenna Mount, cont'd -2" STD. FACE PIPE (TYP.) ∠ 2-1/2" X 2-1/2"-X 1/8" THK. FACE PIPE-TO-PIPE CLAMP ASSEMBLY W/ (2) THREADED RODS (TYP.) FACE PIPE CONNECTION AT POS. 2 + 4

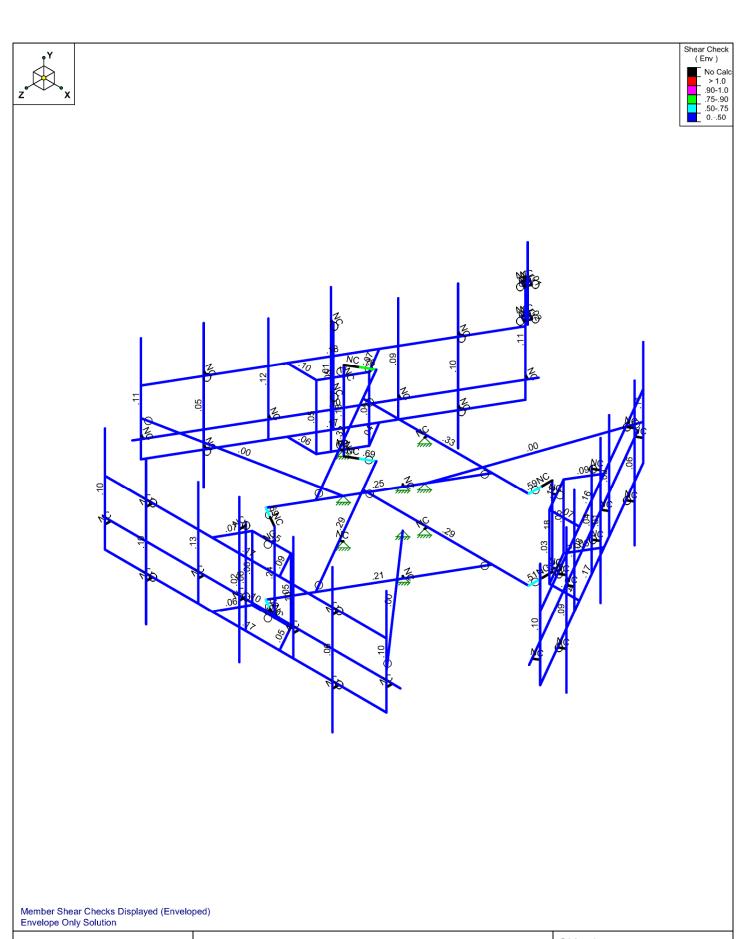




Envelope Only Solution

	SK - 2
468261-VZW_MT_LO_H	Jan 17, 2022 at 12:10 PM
	468261-VZW_MT_LO_H.r3d





	SK - 4
468261-VZW_MT_LO_H	Jan 17, 2022 at 12:10 PM
	468261-VZW_MT_LO_H.r3d



Basic Load Cases

	PLC Description	Catagoni	V Croudty	V Crossits	7 Crowity	laint	Doint	Distributed	Δ κα α / Ν Δ α	Curfoco/D
1	BLC Description Antenna D	Category None	A Gravity	Y Gravity	Z Gravity	Joint	Point 126	Distributed	Area(ivie	Surface(P
2	Antenna Di	None					126			
3	Antenna Wo (0 Deg)	None					126			
4	Antenna Wo (30 Deg)	None					126			
5	Antenna Wo (60 Deg)	None					126			
6	Antenna Wo (90 Deg)	None					126			
	Antenna Wo (120 Deg)	None					126			
	Antenna Wo (150 Deg)	None					126			
	Antenna Wo (180 Deg)	None					126			
	Antenna Wo (210 Deg)	None					126			
	Antenna Wo (240 Deg)	None					126			
	Antenna Wo (270 Deg)	None					126			
	Antenna Wo (300 Deg)	None					126			
	Antenna Wo (330 Deg)	None					126			
15	Antenna Wi (0 Deg)	None					126			
16	Antenna Wi (30 Deg)	None					126			
17	Antenna Wi (60 Deg)	None					126			
18	Antenna Wi (90 Deg)	None					126			
	Antenna Wi (120 Deg)	None					126			
. •	Antenna Wi (150 Deg)	None					126			
	Antenna Wi (180 Deg)	None					126			
	Antenna Wi (210 Deg)	None					126			
	Antenna Wi (240 Deg)	None					126			
	Antenna Wi (270 Deg)	None					126			
	Antenna Wi (300 Deg)	None					126			
	Antenna Wi (330 Deg)	None					126			
27	Antenna Wm (0 Deg)	None					126			
	Antenna Wm (30 Deg)	None					126			
	Antenna Wm (60 Deg)	None					126			
	Antenna Wm (90 Deg)	None					126			
	Antenna Wm (120 De	None					126			
-	Antenna Wm (150 De	None					126			
	Antenna Wm (180 De	None					126			
	Antenna Wm (210 De	None					126			
	Antenna Wm (240 De	None					126			
36	Antenna Wm (270 De	None					126			
	Antenna Wm (300 De	None					126			
38	Antenna Wm (330 De	None					126			
39	Structure D	None		-1						
40	Structure Di	None						80		
41	Structure Wo (0 Deg)	None						160		
42	Structure Wo (30 Deg)	None						160		
	Structure Wo (60 Deg)	None						160		
	Structure Wo (90 Deg)							160		
	Structure Wo (120 D	None						160		
	Structure Wo (150 D	None						160		
	Structure Wo (180 D	None						160		
	Structure Wo (210 D	None						160		
	Structure Wo (240 D	None						160		
	Structure Wo (270 D	None						160		
_	Structure Wo (300 D	None						160		
	Structure Wo (330 D	None						160		
53	Structure Wi (0 Deg)	None						160		
	Structure Wi (30 Deg)	None						160		
	Structure Wi (60 Deg)	None						160		
	Structure Wi (90 Deg)	None						160		
	Structure Wi (120 De	None						160		
58	Structure Wi (150 De	None						160		



Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me	Surface(P
59	Structure Wi (180 De	None						160	,	,
60	Structure Wi (210 De	None						160		
61	Structure Wi (240 De	None						160		
62	Structure Wi (270 De	None						160		
63	Structure Wi (300 De	None						160		
64	Structure Wi (330 De	None						160		
65	Structure Wm (0 Deg)	None						160		
66	Structure Wm (30 De	None						160		
67	Structure Wm (60 De	None						160		
68	Structure Wm (90 De	None						160		
69	Structure Wm (120 D	None						160		
70	Structure Wm (150 D	None						160		
71	Structure Wm (180 D	None						160		
72	Structure Wm (210 D	None						160		
73	Structure Wm (240 D	None						160		
74	Structure Wm (270 D	None						160		
75	Structure Wm (300 D	None						160		
76	Structure Wm (330 D	None						160		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					126			
82	Antenna Eh (0 Deg)	None					84			
83	Antenna Eh (90 Deg)	None					84			
84	Structure Ev	ELY		129						
85	Structure Eh (0 Deg)	ELZ			322					
86	Structure Eh (90 Deg)	ELX	.322							

Load Combinations

	Description	Solve	PDelta	S	BLC	Fac	BLC	Fac	BLC	Fac	BLC	Fac.	BLC	Fac										
1	1.2D+1.0Wo (0	Yes	Υ		1	1.2	39	1.2	3	1	41	1												
2	1.2D+1.0Wo (3		Υ		1	1.2	39	1.2	4	1	42	1												
3	1.2D+1.0Wo (6		Υ		1	1.2	39	1.2	5	1	43	1												
4	1.2D+1.0Wo (9		Υ		1	1.2	39	1.2	6	1	44	1												
5	1.2D+1.0Wo (1		Υ		1	1.2	39	1.2	7	1	45	1												
6	1.2D+1.0Wo (1		Υ		1	1.2	39	1.2	8	1	46	1												
7	1.2D+1.0Wo (1	Yes	Υ		1	1.2	39	1.2	9	1	47	1												
8	1.2D+1.0Wo (2		Υ		1	1.2	39	1.2	10	1	48	1												
9	1.2D+1.0Wo (2		Υ		1	1.2	39	1.2	11	1	49	1												
10	1.2D+1.0Wo (2		Υ		1	1.2	39	1.2	12	1	50	1												
	1.2D+1.0Wo (3		Υ		1	1.2	39	1.2	13	1	51	1												
	1.2D+1.0Wo (3		Υ		1	1.2	39	1.2	14	1	52	1												
	1.2D + 1.0Di +		Υ		1	1.2	39	1.2	2	1	40	1	15	1	53	1								
	1.2D + 1.0Di +		Υ		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
	1.2D + 1.0Di +		Υ		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
	1.2D + 1.0Di +		Υ		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
	1.2D + 1.0Di +		Υ		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
	1.2D + 1.0Di +		Υ		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
	1.2D + 1.0Di +		Υ		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
	1.2D + 1.0Di +		Υ		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
	1.2D + 1.0Di +		Υ		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di +		Υ		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di +	Yes	Υ		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
	1.2D + 1.0Di +		Υ		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
	1.2D + 1.5Lm1		Υ		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1	Yes	Υ		1	1.2	39	1.2	77	1.5	28	1	66	1										



Load Combinations (Continued)

			(00,,,,																				_	
			PDelta	<u>S</u>								Fac			BLC	Fac	BLC	Fac	BLC	Fac	BLC	Fac	<u>BLC</u>	Fac
27	1.2D + 1.5Lm1	Yes	Υ		1	1.2	39	1.2	77	1.5	29	1_	67	1										
28	1.2D + 1.5Lm1	Yes	Υ		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1	Yes	Υ		1	1.2	39	1.2	77	1.5	31	1	69	1									П	
30	1.2D + 1.5Lm1	Yes	Υ		1			1.2		1.5	32	1	70	1										
31	1.2D + 1.5Lm1	Yes	Ÿ		1	1.2		1.2	_	1.5	33	1	71	1									\Box	
32	1.2D + 1.5Lm1	Yes	Y		1	1.2		1.2	77		34	1	72	1										
33	1.2D + 1.5Lm1		Y		1	1.2	39		77		35	 		1									\vdash	
	1.2D + 1.5Lm1	Yes			-	_			_				73											
34			Y	-	1	1.2		1.2	_	1.5	36	1_	74	1									\vdash	
35	1.2D + 1.5Lm1	1.00	<u>Y</u>		1	1.2	39		77	1.5	37	1	75	1									\vdash	
	1.2D + 1.5Lm1		Υ		1	1.2		1.2	_		38	1_	76	1									\square	
37	1.2D + 1.5Lm2	100	<u>Y</u>	_	1			1.2				<u>1</u>	65	_1_			Ш						\square	
38	1.2D + 1.5Lm2	Yes	Υ		1			1.2		1.5	28	1	66	1										
39	1.2D + 1.5Lm2	Yes	Υ		1	1.2	39	1.2	78	1.5	29	1	67	1									Ш	
40	1.2D + 1.5Lm2	Yes	Υ		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2	Yes	Υ		1	1.2	39	1.2	78	1.5	31	1	69	1									П	
42	1.2D + 1.5Lm2	Yes	Υ		1	1.2					32	1	70	1										
43	1.2D + 1.5Lm2		Y		1	1.2		1.2		1.5	33	<u> </u>	71	1										
	1.2D + 1.5Lm2		Y		1	1.2		1.2		1.5	34	1	72	1										
45	1.2D + 1.5Lm2	. 00	Y		1	1.2		1.2		1.5	35	 	73	1										
	1.2D + 1.5Lm2				_																			
46		Yes	<u>Y</u>		1	1.2					36	1_	74	1									\vdash	
47	1.2D + 1.5Lm2	Yes	<u>Y</u>		1	1.2		1.2		1.5	37	1_	75	1									\vdash	
48	1.2D + 1.5Lm2	Yes	Y		1			1.2			38	1_	76	1									\square	
49	1.2D + 1.5Lv1	Yes	Υ		1	1.2		1.2									Ш						ш	
50	1.2D + 1.5Lv2	Yes	Υ		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Υ		1	1.4	39	1.4																
52	1.2D + 1.0Ev +	Yes	Υ		1	1.2	39	1.2	81	1	ELY	1	82	1	83		ELZ	1	ELX					
53	1.2D + 1.0Ev +	Yes	Υ		1	1.2	-	1.2	81	1	ELY	1	82	.866	83	.5	ELZ	.866	ELX	.5			П	
54	1.2D + 1.0Ev +	Yes	Υ		1	1.2			81	1	ELY	1	82	.5	83	.866				.866				
55	1.2D + 1.0Ev +	_	Y		1	1.2		1.2	81	1	ELY	1	82		83		ELZ		ELX	1			\Box	
56	1.2D + 1.0Ev +		Y		1				81	_	ELY		82	5		.866								
57	1.2D + 1.0Ev +	_	Ÿ		1	1.2		1.2	81		ELY			866				866					\Box	
58	1.2D + 1.0Ev +		Y		1	1.2			_	_	ELY	_	82	-1	83		ELZ		ELX	.0				
	1.2D + 1.0Ev +			-		_			81	<u> </u>	ELY		_					- I 866		-			\vdash	
59			<u>Y</u>		1	1.2		1.2	81	<u> </u>	-	1	82	866									\vdash	
	1.2D + 1.0Ev +		Y		1	1.2		1.2	81	-	ELY		82	5		866	_						\vdash	
	1.2D + 1.0Ev +		<u>Y</u>		1	1.2		1.2	81	1	ELY	1	82		83		ELZ		ELX					
	1.2D + 1.0Ev +		Υ		1	1.2	_	1.2	81		ELY		82			866								
63	1.2D + 1.0Ev +	. 00	<u>Y</u>		1	1.2	39		81	1	ELY	_1_	82		83	_	-	.866	-	5			\Box	
	0.9D - 1.0Ev +		Υ		1	.9	39	.9	81		ELY		82	1	83		ELZ		ELX					
	0.9D - 1.0Ev +		Υ		1	.9	39	.9	81		ELY		82		83			.866	$\overline{}$					
	0.9D - 1.0Ev +		Υ		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	.866			ELX	.866				
	0.9D - 1.0Ev +		Υ		1		39				ELY		82				ELZ		ELX	1				
	0.9D - 1.0Ev +		Y		1	.9	39		81		ELY		82	5		.866								
	0.9D - 1.0Ev +		Ÿ		1	.9	39	.9	81		ELY			866				866						
	0.9D - 1.0Ev +		Y		1	.9	39		81		ELY		82		83			-1		.5				
	0.9D - 1.0Ev +		Y		1	.9	39	.9	81		ELY			866		_		866		5				
	0.9D - 1.0Ev +		Y		1						ELY					5 866								
	0.9D - 1.0Ev +					.9	39		81				82	5			ELZ		ELX					
			<u>Y</u>		1	.9	39	.9	81		ELY		82	_	83				$\overline{}$					
	0.9D - 1.0Ev +		<u>Y</u>		1	.9	39		81		ELY		82			866								
75	0.9D - 1.0Ev +	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	5	<u>L</u> LZ	.866	∟LX	5			ш	

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap
1	N179A	26.083333	0	Ô	0	·
2	N180	37.916667	0	0	0	
3	N181	26.083333	2.6875	0	0	
4	N182	37.916667	2.6875	0	0	
5	N183	30	0	0	0	

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap
6	N184	30	2.6875	0	0	
7	N185	32	0	0	0	
8	N186	32	2.6875	0	0	
9	N187	34	0	0	0	
10	N188	34	2.6875	0	0	
11	N189	32	0	-1.083333	0	
12	N190	32	2.6875	-1.083333	0	
13	N191	33.416667	0	0	0	
14	N192	33.416667	2.6875	0	0	
15	N193	30.583333	0	0	0	
16 17	N194	30.583333	2.6875	0	0	
	N195	32.8125	0 2.6875	-1.083333	0	
18	N196	32.8125		-1.083333	0	
19	N197	31.1875	0	-1.083333	0	
20	N198	31.1875	2.6875	-1.083333	0	
21	N199	32 32	0 2.6875	-1.208333	0	
23	N200 N201	32	3.1875	-1.208333 -1.208333		
24	N201 N202	32			0	
25	N202 N205	31.133975	-0.145833 3.1875	-1.208333 -1.708333	0	
26	N205 N206	31.133975	-0.145833	-1.708333	0	
27	N206 N207	31.2705	0.145633	-1.083333	0	
28	N207	31.2705	2.6875	-1.083333	0	
29	N209	32.7295	0	-1.083333	0	
30	N210	32.7295	2.6875	-1.083333	0	
31	N50	32	5	0.270833	0	
32	N51	32	-1	0.270833	0	
33	N52	32	3.833333	0	0	
34	N53	32	3.833333	0.270833	0	
35	N54	32	1.25	0.270000	0	
36	N55	32	1.25	0.270833	0	
37	N43	26.083333	4.416667	0	0	
38	N44	37.916667	4.416667	0	0	
39	N45	30	4.416667	0	0	
40	N46	32	3.916667	0	0	
41	N47	34	4.416667	0	0	
42	N48	35.916667	4.416667	0.270833	0	
43	N49	35.916667	-1.583333	0.270833	0	
44	N50A	35.916667	2.6875	0	0	
45	N51A	35.916667	2.6875	0.270833	0	
46	N52A	35.916667	0.	0	0	
47	N53A	35.916667	0.	0.270833	0	
48	N54A	28.083333	4.416667	0.270833	0	
49	N55A	28.083333	-1.583333	0.270833	0	
50	N56	28.083333	2.6875	0	0	
51	N57	28.083333	2.6875	0.270833	0	
52	N58	28.083333	0.	0	0	
53	N59	28.083333	0.	0.270833	0	
54	N58A	34.617228	3.1875	-7.741505	0	
55	N59A	34.617228	-0.145833	-7.741505	0	
56	N60	33.258975	3.1875	-5.388941	0	
57	N61	33.258975	-0.145833	-5.388941	0	
58	N62	33.150721	3.1875	-5.451441	0	
59	N63	33.150721	-0.145833	-5.451441	0	
60	N61A	30.650721	3.1875	-5.451441	0	
61	N62A	30.650721	-0.145833	-5.451441	0	
62	N63A	31.900721	3.1875	-7.616505	0	
63	N64	31.900721	-0.145833	-7.616505	0	
64	N68	31.900721	3.1875	-6.173129	0	



	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap
65	N65	40.155502	0	-4.221688	0	
66	N66	34.238835	0	-14.469655	0	
67	N67	40.155502	2.6875	-4.221688	0	
68	N68A	34.238835	2.6875	-14.469655	0	
69	N69	38.197169	0	-7.613621	0	
70	N70	38.197169	2.6875	-7.613621	0	
71	N71	37.197169	0	-9.345671	0	
72	N72	37.197169	2.6875	-9.345671	0	
73	N73	36.197169	0	-11.077722	0	
74	N74	36.197169	2.6875	-11.077722	0	
75	N75	36.258975	0	-8.804005	0	
76	N76	36.258975	2.6875	-8.804005	0	
77	N77	36.488835	0	-10.572541	0	
78	N78	36.488835	2.6875	-10.572541	0	
79	N79	37.905502	0	-8.118802	0	
80	N80	37.905502	2.6875	-8.118802	0	
81	N81	35.852725	0	-9.50765	0	
82	N82	35.852725	2.6875	-9.50765	0	
83	N83	36.665225	0	-8.100359	0	
84	N84	36.665225	2.6875	-8.100359	0	
85	N85	36.150721	0	-8.741505	0	
86	N86	36.150721	2.6875	-8.741505	0	
87	N87	36.150721	3.1875	-8.741505	0	
88	N88	36.150721	-0.145833	-8.741505	0	
89	N89	36.150721	3.1875	-7.741505	0	
90	N90	36.150721	-0.145833	-7.741505	0	
91	N91	36.623725	0	-8.172239	0	
92	N92	36.623725	2.6875	-8.172239	0	
93	N93	35.894225	0	-9.43577	0	
94	N94	35.894225	2.6875	-9.43577	0	
95	N95 N96	37.431717	5 -1	-9.481088	0	
96 97	N97	37.431717 37.197169	3.833333	-9.481088 -9.345671	0	
98	N97 N98	37.431717	3.833333	-9.481088	0	
99	N99	37.431717		-9.345671	0	
100	N100	37.431717	1.25 1.25	-9.481088	0	
101	N100	40.155502	4.416667	-4.221688	0	
102	N102	34.238835	4.416667	-14.469655	0	
103	N103	38.197169	4.416667	-7.613621	0	
103	N104	37.197169	3.916667	-9.345671	0	
105	N105	36.197169	4.416667	-11.077722	0	
106	N106	35.473384	4.416667	-12.873021	0	
107	N107	35.473384	-1.583333	-12.873021	0	
108	N107	35.238835	2.6875	-12.737604	0	
109	N109	35.473384	2.6875	-12.873021	0	
110	N110	35.238835	0.	-12.737604	0	
111	N111	35.473384	0.	-12.873021	0	
112	N112	39.390051	4.416667	-6.089155	0	
113	N113	39.390051	-1.583333	-6.089155	0	
114	N114	39.155502	2.6875	-5.953739	0	
115	N115	39.390051	2.6875	-6.089155	0	
116	N116	39.155502	0.	-5.953739	0	
117	N117	39.390051	0.	-6.089155	0	
118	N118	29.184215	3.1875	-7.741505	0	
119	N119	29.184215	-0.145833	-7.741505	0	
120	N120	31.900721	3.1875	-7.741505	0	
121	N121	31.900721	-0.145833	-7.741505	0	
122	N125	29.463329	0	-14.2977	0	
123	N126	23.546662	0	-4.049732	0	
			· -			-



	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap
124	N127	29.463329	2.6875	-14.2977	0	
125	N128	23.546662	2.6875	-4.049732	0	
126	N129	27.504995	0	-10.905767	0	
127	N130	27.504995	2.6875	-10.905767	0	
128	N131	26.504995	0	-9.173716	0	
129	N132	26.504995	2.6875	-9.173716	0	
130	N133	25.504995	0	-7.441665	0	
131	N134	25.504995	2.6875	-7.441665	0	
132	N135	27.44319	0	-8.632049	0	
133	N136	27.44319	2.6875	-8.632049	0	
134	N137	25.796662	0	-7.946847	0	
135	N138	25.796662	2.6875	-7.946847	0	
136	N139	27.213329	0	-10.400585	0	
137	N140	27.213329	2.6875	-10.400585	0	
138	N141	27.03694	0	-7.928404	0	
139	N142	27.03694	2.6875	-7.928404	0	
140	N143	27.84944	0	-9.335695	0	
141	N144	27.84944	2.6875	-9.335695	0	
142	N145	27.551443	0	-8.569549	0	
143	N146	27.551443	2.6875	-8.569549	0	
144	N147	27.551443	3.1875	-8.569549	0	
145	N148	27.551443	-0.145833	-8.569549	0	
146	N149	28.417468	3.1875	-9.069549	0	
147	N150	28.417468	-0.145833	-9.069549	0	
148	N151	27.80794	0	-9.263815	0	
149	N152	27.80794	2.6875	-9.263815	0	
150	N153	27.07844	0	-8.000284	0	
151	N154	27.07844	2.6875	-8.000284	0	
152	N155	26.270447	5	-9.309133	0	
153	N156	26.270447	-1	-9.309133	0	
154	N157	26.504995	3.833333	-9.173716	0	
155	N158	26.270447	3.833333	-9.309133	0	
156	N159	26.504995	1.25	-9.173716	0	
157	N160	26.270447	1.25	-9.309133	0	
158	N161	29.463329	4.416667	-14.2977	0	
159	N162	23.546662	4.416667	-4.049732	0	
160	N163	27.504995	4.416667	-10.905767	0	
161	N164	26.504995	3.916667	-9.173716	0	
162	N165	25.504995	4.416667	-7.441665	0	
163	N166	24.312114	4.416667	-5.9172	0	
164	N167	24.312114	-1.583333	-5.9172	0	
165	N168	24.546662	2.6875	-5.781783	0	
166	N169	24.312114	2.6875	-5.9172	0	
167	N170	24.546662	0.	-5.781783	0	
168	N171	24.312114	0.	-5.9172	0	
169	N172	28.22878	4.416667	-12.701065	0	
170	N173	28.22878	-1.583333	-12.701065	0	
171	N174	28.463329	2.6875	-12.565649	0	
172	N175	28.22878	2.6875	-12.701065	0	
173	N176	28.463329	0.	-12.565649	0	
174	N177	28.22878	0.	-12.701065	0	
175	N178	31.900721	3.1875	-3.036378	0	
176	N179	31.900721	-0.145833	-3.036378	0	
177	N180A	30.542468	3.1875	-5.388941	0	
178	N181A	30.542468	-0.145833	-5.388941	0	
179	N194A	29.463329	4.333333	-14.2977	0	
180	N195A	29.463329	3.083333	-14.2977	0	
181	N196A	29.525829	4.333333	-14.405953	0	
182	N197A	29.525829	3.083333	-14.405953	0	



	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap
183	N198A	29.400829	4.333333	-14.189446	0	
184	N199A	29.400829	3.083333	-14.189446	0	
185	N200A	29.679835	4.333333	-14.1727	0	
186	N201A	29.679835	3.083333	-14.1727	0	
187	N202A	29.742335	4.333333	-14.280953	0	
188	N203	29.742335	3.083333	-14.280953	0	
189	N204	29.617335	4.333333	-14.064446	0	
190	N205A	29.617335	3.083333	-14.064446	0	
191	N206A	29.679835	2.916667	-14.1727	0	
192	N207A	29.679835	5.916667	-14.1727	0	
193	N193A	37.916667	1.5	0	0	
194	N194B	34.238835	1.5	-14.469655	0	
195	N195B	23.546662	1.5	-4.049732	0	
196	N196B	33.150721	1.5	-5.451441	0	
197	N197B	30.650721	1.5	-5.451441	0	
198	N198B	31.900721	1.5	-7.616505	0	
199	N199B	31.566987	3.1875	-1.458333	0	
200	N200B	31.566987	-0.145833	-1.458333	0	
201	N201B	27.984456	3.1875	-8.819549	0	
202	N202B	27.984456	-0.145833	-8.819549	0	
203	N203A	36.150721	3.1875	-8.241505	0	
204	N204A	36.150721	-0.145833	-8.241505	0	
205	N211	26.083333	0.916667	0	0	
206	N211 N212	37.916667	0.916667	0	0	
207	N212 N213	25.75		25		
		38.25	0.916667		0	
208	N214		0.916667	25	0	
209	N215	30 34	0.916667	0	0	
210	N216 N217	30	0.916667			
212	N217 N218	34	0.916667	25	0	
			0.916667	25	0	
213	N219	26.083333	0.916667	25	0	
214	N220	37.916667	0.916667	25	0	
215	N222	40.155502	0.916667	-4.221688	0	
216	N223	34.238835	0.916667	-14.469655	0	
217	N224	40.105662	0.916667	-3.808013	0	
218	N225	33.855662	0.916667	-14.63333	0	
219	N226	38.197169	0.916667	-7.613621	0	
220	N227	36.197169	0.916667	-11.077722	0	
221	N228	37.980662	0.916667	-7.488621	0	
222	N229	35.980662	0.916667	-10.952722	0	
223	N230	39.938996	0.916667	-4.096688	0	
224	N231	34.022329	0.916667	-14.344655	0	
225	N233	29.463329	0.916667	-14.2977	0	
226	N234	23.546662	0.916667	-4.049732	0	
227	N235	29.846502	0.916667	-14.461375	0	
228	N236	23.596502	0.916667	-3.636057	0	
229	N237	27.504995	0.916667	-10.905767	0	
230	N238	25.504995	0.916667	-7.441665	0	
231	N239	27.721502	0.916667	-10.780767	0	
232	N240	25.721502	0.916667	-7.316665	0	
233	N241	29.679835	0.916667	-14.1727	0	
234	N242	23.763168	0.916667	-3.924732	0	

Hot Rolled Steel Section Sets

		Label	Shape	Type	Design List	Material	Design R	A [in2]	lyy [in4]	Izz [in4]	J [in4]
1	1	Face Horizontal	L2.5x2.5x3	Beam	Single Angle	A36 Gr.36	Typical	.901	.535	.535	.011
2	2	VZW Support Rail	PIPE 2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25

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Hot Rolled Steel Section Sets (Continued)

	Label	Shape	Type	Design List	Material	Design R	A [in2]	lyy [in4]	Izz [in4]	J [in4]
3	Tower Face Angle	L4X4X4	Beam	Single Angle	A36 Gr.36	Typical	1.93	3	3	.044
4	Face Vertical	PIPE 2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
5	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
6	Lightning Rod	PIPE 1.5	Column	Pipe	A53 Gr. B	Typical	.749	.293	.293	.586
7	Threaded Rod	SR_0.625_HRA	Beam	BAR	A36 Gr.36	Typical	.307	.007	.007	.015
8	Standoff	L3X2X3	Beam	Single Angle	A36 Gr.36	Typical	.917	.305	.847	.012
9	TES Standoff	L3X2X4	Beam	Single Angle	A36 Gr.36	Typical	1.2	.39	1.09	.027
10	Mount Pipe Plate	PL1/4x3	Beam	Single Angle	A36 Gr.36	Typical	.75	.004	.563	.015
11	Mast Pipe	PIPE 2.5	Column	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
12	Standof Vertical	L2x2x4	Column	Single Angle	A36 Gr.36	Typical	.944	.346	.346	.021
13	Plate Standoff	PL1/2X6	Beam	RECT	A36 Gr.36	Typical	3	.063	9	.237
14	Tieback	PIPE_1.5	Beam	Pipe	A53 Gr. B	Typical	.749	.293	.293	.586
15	VZW Tieback	PIPE_2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Туре	Design List	Material	Design Rules
1	M109	N179A	N180		, ,	Face Horizontal	Beam	Single Angle	A36 Gr.36	Typical
2	M110	N181	N182		90	Face Horizontal		Single Angle	A36 Gr.36	Typical
3	MP5A	N43	N179A			Face Vertical	Column	Pipe	A53 Gr. B	Typical
4	POS.5A	N45	N183			Face Vertical	Column	Pipe	A53 Gr. B	Typical
5	M113	N46	N185			Face Vertical	Column	Pipe	A53 Gr. B	Typical
6	MP3A	N47	N187			Face Vertical	Column	Pipe	A53 Gr. B	Typical
7	MP1A	N44	N180			Face Vertical	Column	Pipe	A53 Gr. B	Typical
8	M116	N198	N194		180	Standoff	Beam	Single Angle	A36 Gr.36	Typical
9	M117	N196	N198		180	Standoff	Beam	Single Angle	A36 Gr.36	Typical
10	M118	N192	N196		180	Standoff	Beam	Single Angle	A36 Gr.36	Typical
11	M119	N193	N197			Standoff	Beam	Single Angle	A36 Gr.36	Typical
12	M120	N197	N195			Standoff	Beam	Single Angle	A36 Gr.36	Typical
13	M121	N195	N191			Standoff	Beam	Single Angle	A36 Gr.36	Typical
14	M122	N190	N200			RIGID	None	None	RIGID	Typical
15	M123	N189	N199			RIGID	None	None	RIGID	Typical
16	OVPA	N201	N202			Mast Pipe	Column	Pipe	A53 Gr. B	Typical
17	M125	N201	N199B		90	RIGID	None	None	RIGID	Typical
18	M126	N202	N200B		90	RIGID	None	None	RIGID	Typical
19	M127	N198	N197		180	Standof Vertical		Single Angle	A36 Gr.36	Typical
20	M128	N196	N195		270	Standof Vertical	Column	Single Angle	A36 Gr.36	Typical
21	POS.4A	N50	N51			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
22	M30	N52	N53			RIGID	None	None	RIGID	Typical
23	M31	N54	N55			RIGID	None	None	RIGID	Typical
24	MP2A	N48	N49			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
25	M27	N50A	N51A			RIGID	None	None	RIGID	Typical
26	M28	N52A	N53A			RIGID	None	None	RIGID	Typical
27	MP4A	N54A	N55A			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
28	M30A	N56	N57			RIGID	None	None	RIGID	Typical
29	M31A	N58	N59			RIGID	None	None	RIGID	Typical
30	M30B	N205	N58A		90	Tower Face A	Beam	Single Angle	A36 Gr.36	Typical
31	M31B	N206	N59A		90	Tower Face A	Beam	Single Angle	A36 Gr.36	Typical



Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Potate(dea)	Section/Shape	Туре	Design List	Material	Design Rules
32	M32	N62	N60	IX JOINE		RIGID	None	None	RIGID	Typical
33	M33	N63	N61			RIGID	None	None	RIGID	Typical
34	M34	N65	N66			Face Horizontal	Beam	Single Angle	A36 Gr.36	Typical
35	M35	N67	N68A		90	Face Horizontal	Beam	Single Angle		Typical
36	MP5C	N101	N65			Face Vertical			A53 Gr. B	
37	POS.5C	N103	N69		240	Face Vertical			A53 Gr. B	
38	M38	N104	N71		240	Face Vertical			A53 Gr. B	
39	MP3C	N105	N73		240	Face Vertical		Pipe	A53 Gr. B	Typical
40	MP1C	N102	N66		240	Face Vertical			A53 Gr. B	
41	M41	N84	N80		180	Standoff	Beam	Single Angle	A36 Gr.36	Typical
42	M42	N82	N84		180	Standoff	Beam	Single Angle	A36 Gr.36	Typical
43	M43	N78	N82		180	Standoff	Beam	Single Angle	A36 Gr.36	Typical
44	M44	N79	N83		100	Standoff	Beam	Single Angle	A36 Gr.36	Typical
45	M45	N83	N81			Standoff	Beam	Single Angle	A36 Gr.36	Typical
46	M46	N81	N77			Standoff	Beam	Single Angle	A36 Gr.36	Typical
47	M47	N76	N86			RIGID	None	None	RIGID	Typical
48	M48	N75	N85			RIGID	None	None	RIGID	Typical
49	OVPC	N87	N88		240	Mast Pipe	Column		A53 Gr. B	
50	M50	N87	N203A		90	RIGID	None	None	RIGID	Typical
51	M51	N88	N204A		90	RIGID	None	None	RIGID	Typical
52	M52	N84	N83		60	Standof Vertical		Single Angle	A36 Gr.36	Typical
53	M53	N82	N81		150	Standof Vertical	Column	Single Angle		Typical
54	POS.4C	N95	N96		240	Mount Pipe	Column		A53 Gr. B	
55	M55	N97	N98		240	RIGID	None	None	RIGID	Typical
56	M56	N99	N100			RIGID	None	None	RIGID	Typical
57	MP2C	N106	N107		240	Mount Pipe	Column	Pipe	A53 Gr. B	
58	M58	N108	N109		240	RIGID	None	None	RIGID	Typical
59	M59	N110	N111			RIGID	None	None	RIGID	Typical
60	MP4C	N112	N113		240	Mount Pipe	Column		A53 Gr. B	
61	M61	N114	N115		240	RIGID	None	None	RIGID	Typical
62	M62	N114	N117			RIGID	None	None	RIGID	Typical
63	M63	N89	N118		90	Tower Face A	Beam	Single Angle	A36 Gr.36	Typical
64	M64	N90	N119		90	Tower Face A	Beam	Single Angle	A36 Gr.36	Typical
65	M65	N63A	N120		30	RIGID	None	None	RIGID	Typical
66	M66	N64	N121			RIGID	None	None	RIGID	Typical
67	M67	N125	N126			Face Horizontal	Beam	Single Angle	A36 Gr.36	Typical
68	M68	N127	N128		90	Face Horizontal	Beam	Single Angle	A36 Gr.36	Typical
69	MP5B	N161	N125		120	Face Vertical			A53 Gr. B	
70	POS.5B	N163	N129		120	Face Vertical			A53 Gr. B	
71	M71	N164	N131		120	Face Vertical			A53 Gr. B	
72	MP3B	N165	N133			Face Vertical			A53 Gr. B	
73	MP1B	N162	N126		120	Face Vertical			A53 Gr. B	
74	M74	N144	N140		180	Standoff	Beam	Single Angle	A36 Gr.36	Typical
75	M75	N142	N144		180	Standoff	Beam	Single Angle	A36 Gr.36	Typical
76	M76	N138	N142		180	Standoff	Beam	Single Angle	A36 Gr.36	Typical
77	M77	N139	N143		130	Standoff	Beam	Single Angle	A36 Gr.36	Typical
78	M78	N143	N141			Standoff	Beam	Single Angle	A36 Gr.36	Typical
79	M79	N141	N137			Standoff	Beam	Single Angle	A36 Gr.36	Typical
80	M80	N136	N146			RIGID	None	None	RIGID	Typical
81	M81	N135	N145			RIGID	None	None	RIGID	Typical
82	OVPB	N147	N148		120	Mast Pipe	Column		A53 Gr. B	
83	M83	N147	N201B		90	RIGID	None	None	RIGID	Typical
84	M84	N148	N202B		90	RIGID	None	None	RIGID	Typical
85	M85	N144	N143		300	Standof Vertical		Single Angle	A36 Gr.36	Typical
86	M86	N142	N141		30	Standof Vertical		Single Angle	A36 Gr.36	Typical
87	POS.4B	N155	N156		120	Mount Pipe	Column		A53 Gr. B	
88	M88	N157	N158		120	RIGID	None	None	RIGID	Typical
89	M89	N159	N160			RIGID	None	None	RIGID	Typical
90	MP2B	N166	N167		120		Column		A53 Gr. B	
	20					uni	20.011111	,,,	00 OI. D	. , , , , , ,



Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(dea)	Section/Shape	Туре	Design List	Material	Design Rules
91	M91	N168	N169		, , , , , , , , , , , , , , , , , , , ,	RIGID	None	None	RIGID	Typical
92	M92	N170	N171			RIGID	None	None	RIGID	Typical
93	MP4B	N172	N173		120	Mount Pipe	Column	Pipe	A53 Gr. B	Typical
94	M94	N174	N175			RIGID	None	None	RIGID	Typical
95	M95	N176	N177			RIGID	None	None	RIGID	Typical
96	M96	N149	N178		90	Tower Face A	Beam	Single Angle	A36 Gr.36	Typical
97	M97	N150	N179		90	Tower Face A	Beam	Single Angle	A36 Gr.36	Typical
98	M98	N61A	N180A			RIGID	None	None	RIGID	Typical
99	M99	N62A	N181A			RIGID	None	None	RIGID	Typical
100	M113A	N207A	N206A		120	Lightning Rod	Column	Pipe	A53 Gr. B	Typical
101	M114	N198A	N204			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
102	M115	N202A	N196A			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
103	M116A	N194A	N196A			RIGID	None	None	RIGID	Typical
104	M117A	N194A	N198A			RIGID	None	None	RIGID	Typical
105	M118A	N200A	N202A			RIGID	None	None	RIGID	Typical
106	M119A	N200A	N204			RIGID	None	None	RIGID	Typical
107	M120A	N195A	N199A			RIGID	None	None	RIGID	Typical
108	M121A	N195A	N197A			RIGID	None	None	RIGID	Typical
109	M122A	N201A	N203			RIGID	None	None	RIGID	Typical
110	M123A	N201A	N205A			RIGID	None	None	RIGID	Typical
111	M124A	N197A	N203			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
112	M125A	N199A	N205A			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
113	M113B	N193A	N196B			Tieback	Beam		A53 Gr. B	Typical
114	M114A	N194B	N198B N197B			Tieback	Beam		A53 Gr. B	Typical
115 116	M115A M116B	N195B N199B	N205		90	Tieback Plate Standoff	Beam	Pipe RECT	A53 Gr. B A36 Gr.36	Typical
117	M117B	N200B	N205 N206		90	Plate Standoff	Beam Beam	RECT	A36 Gr.36	Typical Typical
118	M118B	N200B	N149		90	Plate Standoff	Beam	RECT	A36 Gr.36	Typical
119	M119B	N201B	N150		90	Plate Standoff	Beam	RECT	A36 Gr.36	Typical
120	M120B	N203A	N89		90	Plate Standoff	Beam	RECT	A36 Gr.36	Typical
121	M121B	N204A	N90		90	Plate Standoff	Beam	RECT	A36 Gr.36	Typical
122	M126A	N213	N214		90	VZW Support	Beam		A53 Gr. B	Typical
123	M126B	N215	N217			RIGID	None	None	RIGID	Typical
124	M127A	N216	N218			RIGID	None	None	RIGID	Typical
125	M128A	N211	N219			RIGID	None	None	RIGID	Typical
126	M129	N212	N220			RIGID	None	None	RIGID	Typical
127	M130	N224	N225		90	VZW Support	Beam		A53 Gr. B	Typical
128	M131	N226	N228			RIGID	None	None	RIGID	Typical
129	M132	N227	N229			RIGID	None	None	RIGID	Typical
130	M133	N222	N230			RIGID	None	None	RIGID	Typical
131	M134	N223	N231			RIGID	None	None	RIGID	Typical
132	M135	N235	N236		90	VZW Support	Beam		A53 Gr. B	Typical
133	M136	N237	N239			RIGID	None	None	RIGID	Typical
134	M137	N238	N240			RIGID	None	None	RIGID	Typical
135	M138	N233	N241			RIGID	None	None	RIGID	Typical
136	M139	N234	N242			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	M109					·	Yes				None
2	M110						Yes				None
3	MP5A						Yes	** NA **			None
4	POS.5A						Yes	** NA **			None
5	M113						Yes	** NA **			None
6	MP3A						Yes	** NA **			None
7	MP1A						Yes	** NA **			None
8	M116						Yes	Default			None



Member Advanced Data (Continued)

	DCI AUVE									
	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only		Defl RatAnalysis	Inactive	Seismic
9	M117						Yes	Default		None
10	M118						Yes	Default		None
11	M119						Yes			None
12	M120						Yes			None
13	M121						Yes			None
14	M122		000000				Yes	** NA **		None
15	M123		000000				Yes	** NA **		None
16	OVPA		00000				Yes	** NA **		None
17	M125						Yes	** NA **		None
18	M126						Yes	** NA **		None
19	M127						Yes	** NA **		None
20	M128						Yes	** NA **		None
21	POS.4A						Yes	** NA **		None
	M30		00000					** NA **		
22			000X00				Yes	** NA **		None
23	M31		000X00				Yes	** NA **		None
24	MP2A		000000				Yes			None
25	M27		000X00				Yes	** NA **		None
26	M28		000X00				Yes	** NA **		None
27	MP4A						Yes	** NA **		None
28	M30A		000X00				Yes	** NA **		None
29	M31A		000X00				Yes	** NA **		None
30	M30B		000000				Yes	Default		None
31	M31B		000000				Yes	Default		None
32	M32						Yes	** NA **		None
33	M33						Yes	** NA **		None
34	M34						Yes			None
35	M35						Yes			None
36	MP5C						Yes	** NA **		None
37	POS.5C						Yes	** NA **		None
38	M38						Yes	** NA **		None
39	MP3C						Yes	** NA **		None
40	MP1C						Yes	** NA **		None
41	M41						Yes	Default		None
42	M42						Yes	Default		None
43	M43						Yes	Default		None
44	M44						Yes	Bolduli		None
45	M45						Yes			None
46	M46						Yes			None
47	M47		000000				Yes	** NA **		None
48	M48		000000				Yes	** NA **		
			000000					** NA **		None
49	OVPC						Yes	** NA **		None
50	M50						Yes	** NA **		None
51	M51						Yes	** NA **		None
52	M52						Yes	** NA **		None
53	M53						Yes	** NA **		None
54	POS.4C		000110				Yes	1 11 1		None
55	M55		000X00				Yes	** NA **		None
56	M56		000X00				Yes	** NA **		None
57	MP2C						Yes	** NA **		None
58	M58		000X00				Yes	** NA **		None
59	M59		000X00				Yes	** NA **		None
60	MP4C						Yes	** NA **		None
61	M61		000000				Yes	** NA **		None
62	M62		000000				Yes	** NA **		None
63	M63		000000				Yes	Default		None
64	M64		000000				Yes	Default		None
65	M65						Yes	** NA **		None
66	M66						Yes	** NA **		None
67	M67						Yes			None
U	10101					<u> </u>	100			110110



Member Advanced Data (Continued)

			ta (Oontin		1000 1001	T/O O I	D	D # D #	A		<u> </u>
68	Label M68	I Release	J Release	I Offset[in]	J Offset[in]	I/C Only	Yes	Defi Rat	.Analysis	Inactive	Seismic
69	MP5B						Yes	** NA **			None
70	POS.5B						Yes	** NA **			None
71	M71						Yes	** NA **			None
72	MP3B						Yes	** NA **			None
73	MP1B							** NA **			None
							Yes				None
74	M74						Yes	Default			None
75	M75						Yes	Default			None
76	M76						Yes	Default			None
77	M77						Yes				None
78	M78						Yes				None
79	M79		000000				Yes	** NIA **			None
80	M80		000000				Yes	** NA ** ** NA **			None
81	M81		000000				Yes				None
82	OVPB						Yes	** NA ** ** NA **			None
83	M83						Yes				None
84	M84						Yes	** NA **			None
85	M85						Yes	** NA **			None
86	M86						Yes	** NA **			None
87	POS.4B						Yes	** NA **			None
88	M88		000X00				Yes	** NA **			None
89	M89		000X00				Yes	** NA **			None
90	MP2B						Yes	** NA **			None
91	M91		000X00				Yes	** NA **			None
92	M92		000X00				Yes	** NA **			None
93	MP4B						Yes	** NA **			None
94	M94		000X00				Yes	** NA **			None
95	M95		00000				Yes	** NA **			None
96	M96		000000				Yes	Default			None
97	M97		000000				Yes	Default			None
98	M98						Yes	** NA **			None
99	M99						Yes	** NA **			None
100	M113A						Yes	** NA **			None
101	M114						Yes				None
102	M115						Yes				None
103	M116A						Yes	** NA **			None
104	M117A						Yes	** NA **			None
105	M118A	OOOXOX					Yes	** NA **			None
106	M119A	OOOXOX					Yes	** NA **			None
107	M120A						Yes	** NA **			None
108	M121A							** NA **			None
109	M122A	OOOXOX					Yes	** NA **			None
110	M123A	OOOXOX					Yes	** NA **			None
111	M124A						Yes				None
112	M125A						Yes				None
113	M113B	BenPIN					Yes	Default			None
114	M114A	BenPIN					Yes	Default			None
115	M115A	BenPIN					Yes	Default			None
116	M116B		000000				Yes				None
117	M117B		000000				Yes				None
118	M118B		000000				Yes				None
119	M119B		000000				Yes	Default			None
120	M120B		000000				Yes				None
121	M121B		000000				Yes				None
122	M126A						Yes	Default			None
123	M126B						Yes	** NA **			None
124	M127A						Yes	** NA **			None
125	M128A						Yes	** NA **			None
126	M129						Yes	** NA **			None



Member Advanced Data (Continued)

	Label	l Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl RatAnalysis	. Inactive	Seismic
127	M130					·	Yes	Default		None
128	M131						Yes	** NA **		None
129	M132						Yes	** NA **		None
130	M133						Yes	** NA **		None
131	M134						Yes	** NA **		None
132	M135						Yes	Default		None
133	M136						Yes	** NA **		None
134	M137						Yes	** NA **		None
135	M138						Yes	** NA **		None
136	M139						Yes	** NA **		None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3B	Υ	-61.5	.25
2	MP3B	My	.06	.25
3	MP3B	Mz	001	.25
4	MP3B	Υ	-61.5	4.25
5	MP3B	My	.06	4.25
6	MP3B	Mz	001	4.25
7	MP3B	Υ	-61.5	.25
8	MP3B	My	029	.25
9	MP3B	Mz	052	.25
10	MP3B	Υ	-61.5	4.25
11	MP3B	My	029	4.25
12	MP3B	Mz	052	4.25
13	MP3A	Υ	-21.85	.25
14	MP3A	My	011	.25
15	MP3A	Mz	013	.25
16	MP3A	Υ	-21.85	4.25
17	MP3A	My	011	4.25
18	MP3A	Mz	013	4.25
19	MP3C	Υ	-21.85	.25
20	MP3C	My	.000176	.25
21	MP3C	Mz	.017	.25
22	MP3C	Υ	-21.85	4.25
23	MP3C	My	.000176	4.25
24	MP3C	Mz	.017	4.25
25	MP3A	Υ	-21.85	.25
26	MP3A	My	011	.25
27	MP3A	Mz	.013	.25
28	MP3A	Υ	-21.85	4.25
29	MP3A	My	011	4.25
30	MP3A	Mz	.013	4.25
31	MP3C	Υ	-21.85	.25
32	MP3C	My	.017	.25
33	MP3C	Mz	003	.25
34	MP3C	Υ	-21.85	4.25
35	MP3C	My	.017	4.25
36	MP3C	Mz	003	4.25
37	MP4A	Υ	-43.55	0
38	MP4A	My	022	0
39	MP4A	Mz	0	0
40	MP4A	Υ	-43.55	1
41	MP4A	My	022	1
42	MP4A	Mz	0	1
43	MP4B	Υ	-43.55	0
44	MP4B	My	.011	0

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

	Der Form Loads (DLO 1.7			
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP4B	Mz	019	0
46	MP4B	Υ	-43.55	1
47	MP4B	My	.011	1
48	MP4B	Mz	019	1
49	MP4C	Υ	-43.55	0
50	MP4C	My	.017	0
51	MP4C	Mz	.014	0
52	MP4C	Υ	-43.55	1
53	MP4C	My	.017	1
54	MP4C	Mz	.014	1
55	MP4A	Υ	-4.4	4
56	MP4A	My	002	4
57	MP4A	Mz	0	4
58	MP4B	Υ	-4.4	4
59	MP4B	My	.001	4
60	MP4B	Mz	002	4
61	MP4C	Υ	-4.4	4
62	MP4C	My	.002	4
63	MP4C	Mz	.001	4
64	OVPA	Υ	-32	2
65	OVPA	My	0	2
66	OVPA	Mz	0	2
67	MP2A	Υ	-70.3	3
68	MP2A	My	.035	3
69	MP2A	Mz	0	3
70	MP2B	Υ	-70.3	3
71	MP2B	My	018	3
72	MP2B	Mz	.03	3
73	MP2C	Y	-70.3	3
74	MP2C	My	027	3
75	MP2C	Mz	023	3
76	MP3A	Y	-74.7	3
77	MP3A	My	.037	3
78	MP3A	Mz Y	0	3
79	MP3B		-74.7	3 3
80 81	MP3B MP3B	My Mz	019 .032	3
82	MP3C	Y	.032 -74.7	3
83	MP3C	My	029	3
84	MP3C	Mz	029	3
85	MP1B	Y	-7.85	.5
86	MP1B	My	.003	.5
87	MP1B	Mz	002	.5
88	MP1B	Y	-7.85	3.5
89	MP1B	My	.003	3.5
90	MP1B	Mz	002	3.5
91	MP5B	Y	-7.85	.5
92	MP5B	My	.003	.5
93	MP5B	Mz	002	.5
94	MP5B	Y	-7.85	3.5
95	MP5B	My	.003	3.5
96	MP5B	Mz	002	3.5
97	MP1A	Y	-6	.5
98	MP1A	My	003	.5
99	MP1A	Mz	002	.5
100	MP1A	Y	-6	3.5
101	MP1A	My	003	3.5
102	MP1A	Mz	002	3.5
103	MP1C	Y	-6	.5
			· · · · · · · · · · · · · · · · · · ·	

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
104	MP1C	My	0	.5
105	MP1C	Mz	.003	.5
106	MP1C	Υ	-6	3.5
107	MP1C	My	0	3.5
108	MP1C	Mz	.003	3.5
109	MP5A	Υ	-6	.5
110	MP5A	My	003	.5
111	MP5A	Mz	002	.5
112	MP5A	Υ	-6	3.5
113	MP5A	My	003	3.5
114	MP5A	Mz	002	3.5
115	MP5C	Υ	-6	.5
116	MP5C	My	0	.5
117	MP5C	Mz	.003	.5
118	MP5C	Υ	-6	3.5
119	MP5C	My	0	3.5
120	MP5C	Mz	.003	3.5
121	OVPB	Υ	-32	2
122	OVPB	My	0	2
123	OVPB	Mz	0	2
124	OVPC	Υ	-32	2
125	OVPC	My	0	2
126	OVPC	Mz	0	2

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3B	Υ	-72.226	.25
2	MP3B	My	.07	.25
3	MP3B	Mz	001	.25
4	MP3B	Υ	-72.226	4.25
5	MP3B	My	.07	4.25
6	MP3B	Mz	001	4.25
7	MP3B	Υ	-72.226	.25
8	MP3B	My	034	.25
9	MP3B	Mz	061	.25
10	MP3B	Υ	-72.226	4.25
11	MP3B	My	034	4.25
12	MP3B	Mz	061	4.25
13	MP3A	Υ	-55.522	.25
14	MP3A	My	028	.25
15	MP3A	Mz	032	.25
16	MP3A	Υ	-55.522	4.25
17	MP3A	My	028	4.25
18	MP3A	Mz	032	4.25
19	MP3C	Υ	-55.522	.25
20	MP3C	My	.000448	.25
21	MP3C	Mz	.043	.25
22	MP3C	Υ	-55.522	4.25
23	MP3C	My	.000448	4.25
24	MP3C	Mz	.043	4.25
25	MP3A	Υ	-55.522	.25
26	MP3A	My	028	.25
27	MP3A	Mz	.032	.25
28	MP3A	Υ	-55.522	4.25
29	MP3A	My	028	4.25
30	MP3A	Mz	.032	4.25
31	MP3C	Υ	-55.522	.25
32	MP3C	My	.042	.25

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

MICH	Der Politi Loads (BLC 2 : 7	Amerina Bij (Oo	itinacaj	
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP3C	Mz	007	.25
34	MP3C	Υ	-55.522	4.25
35	MP3C	My	.042	4.25
36	MP3C	Mz	007	4.25
37	MP4A	Y	-32.611	0
38	MP4A	My	016	0
39	MP4A	Mz	0	0
40	MP4A	Y	-32.611	1
41	MP4A	My	016	1
42	MP4A	Mz	0	1
43	MP4B	Υ	-32.611	0
44	MP4B	My	.008	0
45	MP4B	Mz	014	0
46	MP4B	Υ	-32.611	1
47	MP4B	My	.008	1
48	MP4B	Mz	014	1
49	MP4C	Y	-32.611	0
50	MP4C	My	.012	0
51	MP4C	Mz	.01	0
52	MP4C	Y	-32.611	1
53	MP4C	My	.012	1
54	MP4C	Mz	.01	1
55	MP4A	Y	-12.18	4
56	MP4A	My	006	4
57	MP4A	Mz	0	4
58	MP4B	Υ	-12.18	4
59	MP4B	My	.003	4
60	MP4B	Mz	005	4
61	MP4C	Υ	-12.18	4
62	MP4C	My	.005	4
63	MP4C	Mz	.004	4
64	OVPA	Y	-69.602	2
65	OVPA	My	0	2
66	OVPA	Mz	0	2
67	MP2A	Y	-36.906	3
68		My	.018	3
	MP2A			
69	MP2A	Mz	0	3
70	MP2B	Y	-36.906	3
71	MP2B	My	009	3
72	MP2B	Mz	.016	3
73	MP2C	Y	-36.906	3
74	MP2C	My	014	3
75	MP2C	Mz	012	3
76	MP3A	Υ	-41.064	3
77	MP3A	My	.021	3
78	MP3A	Mz	0	3
79	MP3B	Υ	-41.064	3
80	MP3B	My	01	3
81	MP3B	Mz	.018	3
82	MP3C	Y	-41.064	3
83	MP3C	My	016	3
				3
84	MP3C	Mz	013	3
85	MP1B	Y	-34.916	.5
86	MP1B	My	.015	.5
87	MP1B	Mz	009	.5
88	MP1B	Υ	-34.916	3.5
89	MP1B	My	.015	3.5
90	MP1B	Mz	009	3.5
91	MP5B	Υ	-34.916	.5
_	•	·		



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	MP5B	My	.015	.5
93	MP5B	Mz	009	.5
94	MP5B	Υ	-34.916	3.5
95	MP5B	My	.015	3.5
96	MP5B	Mz	009	3.5
97	MP1A	Υ	-36.51	.5
98	MP1A	My	016	.5
99	MP1A	Mz	009	.5
100	MP1A	Υ	-36.51	3.5
101	MP1A	My	016	3.5
102	MP1A	Mz	009	3.5
103	MP1C	Υ	-36.51	.5
104	MP1C	My	0	.5
105	MP1C	Mz	.018	.5
106	MP1C	Υ	-36.51	3.5
107	MP1C	My	0	3.5
108	MP1C	Mz	.018	3.5
109	MP5A	Υ	-36.51	.5
110	MP5A	My	016	.5
111	MP5A	Mz	009	.5
112	MP5A	Υ	-36.51	3.5
113	MP5A	My	016	3.5
114	MP5A	Mz	009	3.5
115	MP5C	Υ	-36.51	.5
116	MP5C	My	0	.5
117	MP5C	Mz	.018	.5
118	MP5C	Υ	-36.51	3.5
119	MP5C	My	0	3.5
120	MP5C	Mz	.018	3.5
121	OVPB	Υ	-69.602	2
122	OVPB	My	0	2
123	OVPB	Mz	0	2
124	OVPC	Υ	-69.602	2
125	OVPC	My	0	2
126	OVPC	Mz	0	2

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

		B: #		
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3B	X	0	.25
2	MP3B	Z	-90.377	.25
3	MP3B	Mx	.001	.25
4	MP3B	Χ	0	4.25
5	MP3B	Z	-90.377	4.25
6	MP3B	Mx	.001	4.25
7	MP3B	Χ	0	.25
8	MP3B	Z	-90.377	.25
9	MP3B	Mx	.077	.25
10	MP3B	Χ	0	4.25
11	MP3B	Z	-90.377	4.25
12	MP3B	Mx	.077	4.25
13	MP3A	Χ	0	.25
14	MP3A	Z	-107.192	.25
15	MP3A	Mx	.063	.25
16	MP3A	Χ	0	4.25
17	MP3A	Z	-107.192	4.25
18	MP3A	Mx	.063	4.25
19	MP3C	Χ	0	.25
20	MP3C	Z	-92.182	.25



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

	Bei Tollit Loads (BLO 0 : 7	,	<u> </u>	
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP3C	Mx	071	.25
22	MP3C	X	0	4.25
23	MP3C	Z	-92.182	4.25
24	MP3C	Mx	071	4.25
25	MP3A	X	0	.25
26	MP3A	Z	-107.192	.25
27	MP3A	Mx	063	.25
28	MP3A	X	0	4.25
29	MP3A	Z	-107.192	4.25
30	MP3A	Mx	063	4.25
31	MP3C	X	0	.25
32	MP3C	Z	-92.182	.25
33	MP3C	Mx	.012	.25
34	MP3C	X	0	4.25
35	MP3C	Z	-92.182	4.25
36	MP3C	Mx	.012	4.25
37	MP4A	X	0	0
38	MP4A	Z	-62.352	0
39	MP4A	Mx	0	0
40	MP4A	X	0	1
41	MP4A	Z	-62.352	1
42	MP4A	Mx	0	1
43	MP4B	X	0	0
44	MP4B	Z	-33.896	0
45	MP4B	Mx	.015	0
46	MP4B	X	0	1
47	MP4B MP4B	Z	-33.896	1
48	MP4B MP4B	Mx	.015	1
49	MP4C		0	0
50	MP4C	X Z	-46.675	0
	MP4C	Mx		
51 52	MP4C	X	015 0	0
	MP4C	Z		
53			-46.675	1 1
54	MP4C	Mx	015	•
55	MP4A	X	0	4
56	MP4A		-23.614	4
57	MP4A	Mx	0	4
58	MP4B	X Z	0	4
59	MP4B		-9.377	4
60	MP4B	Mx	.004	4
61	MP4C	X	0	4
62	MP4C	Z	-15.771	4
63	MP4C	Mx	005	4
64	OVPA	X	0	2
65	OVPA	Z	-100.559	2
66	OVPA MD0A	Mx	0	2
67	MP2A	X Z	0	3 3
68	MP2A		-49.616	
69	MP2A	Mx	0	3
70	MP2B	X	0	3
71	MP2B	Z	-32.552	3 3
72	MP2B	Mx	014	3
73	MP2C	X	0	3
74	MP2C	Z	-40.215	3
75	MP2C	Mx	.013	3 3
76	MP3A	X	0	3
77	MP3A	Z	-49.616	3
78	MP3A	Mx	0	3
79	MP3B	X	0	3



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP3B	Z	-37.278	3
81	MP3B	Mx	016	3
82	MP3C	X	0	3
83	MP3C	Z	-42.819	3
84	MP3C	Mx	.014	3
85	MP1B	X	0	.5
86	MP1B	Z	-52.285	.5
87	MP1B	Mx	.013	.5
88	MP1B	X	0	3.5
89	MP1B	Z	-52.285	3.5
90	MP1B	Mx	.013	3.5
91	MP5B	X	0	.5
92	MP5B	Z	-52.285	.5
93	MP5B	Mx	.013	.5
94	MP5B	X	0	3.5
95	MP5B	Z	-52.285	3.5
96	MP5B	Mx	.013	3.5
97	MP1A	X	0	.5
98	MP1A	Z	-55.071	.5
99	MP1A	Mx	.014	.5
100	MP1A	X	0	3.5
101	MP1A	Z	-55.071	3.5
102	MP1A	Mx	.014	3.5
103	MP1C	X	0	.5
104	MP1C	Z	-47.955	.5
105	MP1C	Mx	024	.5
106	MP1C	X	0	3.5
107	MP1C	Z	-47.955	3.5
108	MP1C	Mx	024	3.5
109	MP5A	X	0	.5
110	MP5A	Z	-55.071	.5
111	MP5A	Mx	.014	.5
112	MP5A	X	0	3.5
113	MP5A	Z	-55.071	3.5
114	MP5A	Mx	.014	3.5
115	MP5C	X	0	.5
116	MP5C	Z	-47.955	.5
117	MP5C	Mx	024	.5
118	MP5C	X	0	3.5
119	MP5C	Z	-47.955	3.5
120	MP5C	Mx	024	3.5
121	OVPB	X	0	2
122	OVPB	Z	-100.559	2
123	OVPB	Mx	0	2
124	OVPC	X	0	2
125	OVPC	Z	-100.559	2
126	OVPC	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3B	X	35.045	.25
2	MP3B	Z	-60.7	.25
3	MP3B	Mx	.035	.25
4	MP3B	X	35.045	4.25
5	MP3B	Z	-60.7	4.25
6	MP3B	Mx	.035	4.25
7	MP3B	X	35.045	.25
8	MP3B	Z	-60.7	.25



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

	Ber I offit Loads (BLO 4 :			
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP3B	Mx	.035	.25
10	MP3B	X	35.045	4.25
11	MP3B	Ζ	-60.7	4.25
12	MP3B	Mx	.035	4.25
13	MP3A	X	49.055	.25
14	MP3A	Z	-84.966	.25
15	MP3A	Mx	.025	.25
16	MP3A	X	49.055	4.25
17	MP3A	Z	-84.966	4.25
18	MP3A	Mx	.025	4.25
19	MP3C	X	53.048	.25
20	MP3C	Z	-91.882	.25
21	MP3C	Mx	07	.25
22	MP3C	X	53.048	4.25
23	MP3C	Z	-91.882	4.25
24	MP3C	Mx	07	4.25
25	MP3A	X	49.055	.25
26	MP3A	Z	-84.966	.25
27	MP3A	Mx	074	.25
28	MP3A	X	49.055	4.25
29	MP3A	Z	-84.966	4.25
30	MP3A	Mx	074	4.25
31	MP3C	X	53.048	.25
32	MP3C	Z	-91.882	.25
33	MP3C	Mx	.052	.25
34	MP3C	X	53.048	4.25
35	MP3C	Z	-91.882	4.25
36	MP3C	Mx	.052	4.25
37	MP4A	X	26.433	0
38	MP4A	Z	-45.784	0
39	MP4A	Mx	013	0
40	MP4A	X	26.433	1
41	MP4A	Z	-45.784	1
				1
42	MP4A	Mx	013	
43	MP4B	X	12.205	0
44	MP4B		-21.14	0
45	MP4B	Mx	.012	0
46	MP4B	X	12.205	1
47	MP4B	Z	-21.14	1
48	MP4B	Mx	.012	1
49	MP4C	X	30.604	0
50	MP4C	Z	-53.007	0
51	MP4C	Mx	005	0
52	MP4C	X	30.604	1
53	MP4C	Z	-53.007	1
54	MP4C	Mx	005	1
55	MP4A	X	9.434	4
56	MP4A	Z	-16.34	4
57	MP4A	Mx	005	4
58	MP4B	X	2.315	4
59	MP4B	Z	-4.01	4
60	MP4B	Mx	.002	4
61	MP4C	X	11.521	4
62	MP4C	Z	-19.955	4
63	MP4C MP4C	Mx	002	4
64	OVPA	X	002 46.03	2
		Z		2
65	OVPA		-79.726	2
66	OVPA	Mx	0	2
67	MP2A	X	21.964	3



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP2A	Z	-38.043	3
69	MP2A	Mx	.011	3
70	MP2B	X	13.432	3
71	MP2B	Z	-23.265	3
72	MP2B	Mx	013	3
73	MP2C	X	24.465	3
74	MP2C	Z	-42.375	3
75	MP2C	Mx	.004	3
76	MP3A	X	22.752	3
77	MP3A	Z	-39.407	3
78	MP3A	Mx	.011	3
79	MP3B	X	16.583	3
80	MP3B	Z	-28.722	3
81	MP3B	Mx	017	3
82	MP3C	X	24.56	3
83	MP3C	Z	-42.539	3
84	MP3C	Mx	.004	3
85	MP1B	X	24.699	.5
86	MP1B	Z	-42.78	.5
87	MP1B	Mx	.021	.5
88	MP1B	X	24.699	3.5
89	MP1B	Z	-42.78	3.5
90	MP1B	Mx	.021	3.5
91	MP5B	X	24.699	.5
92	MP5B	Z	-42.78	.5
93	MP5B	Mx	.021	.5
94	MP5B	X	24.699	3.5
95	MP5B	Z	-42.78	3.5
96	MP5B	Mx	.021	3.5
97	MP1A	X	28.722	.5
98	MP1A	Z	-49.747	.5
99	MP1A	Mx	0	.5 3.5
100	MP1A MP1A	X Z	28.722 -49.747	3.5
102	MP1A	Mx	0	3.5
103	MP1C	X	25.164	.5
103	MP1C	Z	-43.585	.5
105	MP1C	Mx	022	.5
106	MP1C	X	25.164	3.5
107	MP1C	Z	-43.585	3.5
108	MP1C	Mx	022	3.5
109	MP5A	X	28.722	.5
110	MP5A	Z	-49.747	.5
111	MP5A	Mx	0	.5
112	MP5A	X	28.722	3.5
113	MP5A	Z	-49.747	3.5
114	MP5A	Mx	0	3.5
115	MP5C	X	25.164	.5
116	MP5C	Z	-43.585	.5
117	MP5C	Mx	022	.5
118	MP5C	X	25.164	3.5
119	MP5C	Z	-43.585	3.5
120	MP5C	Mx	022	3.5
121	OVPB	X	46.03	2 2
122	OVPB	Z	-79.726	2
123	OVPB	Mx	0	2
124	OVPC	X	46.03	2
125	OVPC	Z	-79.726	2
126	OVPC	Mx	0	2



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

	BET TOTAL EDUCA (BEO 0 : 7	•	3 //	
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3B	X	78.268	.25
2	MP3B	Z	-45.188	.25
3	MP3B	Mx	.077	.25
4	MP3B	X	78.268	4.25
5	MP3B	Z	-45.188	4.25
6	MP3B	Mx	.077	4.25
7	MP3B	X	78.268	.25
8	MP3B	Z	-45.188	.25
9	MP3B	Mx	.001	.25
10	MP3B	X	78.268	4.25
11	MP3B	Z	-45.188	4.25
12	MP3B	Mx	.001	4.25
13	MP3A	X	69.235	.25
14	MP3A	Z	-39.973	.25
15	MP3A	Mx	011	.25
16	MP3A	X	69.235	4.25
17	MP3A	Z	-39.973	4.25
18	MP3A	Mx	011	4.25
19	MP3C	X	89.151	.25
		Z		
20	MP3C		-51.471	.25
21	MP3C	Mx	039	.25
22	MP3C	X	89.151	4.25
23	MP3C	Z	-51.471	4.25
24	MP3C	Mx	039	4.25
25	MP3A	X	69.235	.25
26	MP3A	Z	-39.973	.25
27	MP3A	Mx	058	.25
28	MP3A	X	69.235	4.25
29	MP3A	Z	-39.973	4.25
30	MP3A	Mx	058	4.25
31	MP3C	X	89.151	.25
32	MP3C	Z	-51.471	.25
33	MP3C	Mx	.074	.25
34	MP3C	X	89.151	4.25
35	MP3C	Z	-51.471	4.25
36	MP3C	Mx	.074	4.25
37	MP4A	X	29.355	0
38	MP4A	Z	-16.948	0
39	MP4A	Mx	015	0
40	MP4A	X	29.355	1
41	MP4A	Z	-16.948	1
42	MP4A	Mx	015	1
43	MP4B	X	29.355	0
44	MP4B	Z	-16.948	0
45	MP4B	Mx	.015	0
46	MP4B	X	29.355	1
47	MP4B	Z	-16.948	1
48	MP4B	Mx	.015	1
49	MP4C	X	50.154	0
50	MP4C MP4C	Z	-28.957	0
51	MP4C	Mx	.01	0
52	MP4C MP4C	X	50.154	1
		Z		
53	MP4C		-28.957	1
54	MP4C	Mx	.01	1
55	MP4A	X	8.12	4
56	MP4A	Z	-4.688	4
57	MP4A	Mx	004	4
58	MP4B	X	8.12	4
59	MP4B	Z	-4.688	4



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP4B	Mx	.004	4
61	MP4C	X	18.527	4
62	MP4C	Z	-10.697	4
63	MP4C	Mx	.004	4
64	OVPA	X	65.005	2
65	OVPA	Z	-37.53	2
66	OVPA	Mx	0	2
67	MP2A	X	28.191	3
68	MP2A	Z	-16.276	3
69	MP2A	Mx	.014	3
70	MP2B	X	28.191	3
71	MP2B	Z	-16.276	3
72	MP2B	Mx	014	3
73	MP2C	X	40.664	3
74	MP2C	Z	-23.477	3
75	MP2C	Mx	008	3
76	MP3A	X	32.284	3
77	MP3A	Z	-18.639	3
78	MP3A	Mx	.016	3
79	MP3B	X	32.284	3
80	MP3B	Z	-18.639	3
81	MP3B	Mx	016	3
82	MP3C	X	41.302	3
83	MP3C	Z	-23.846	3
84	MP3C	Mx	008	3
85	MP1B	X	41.53	.5
86	MP1B	Z	-23.978	.5
87	MP1B	Mx	.024	.5
88	MP1B	X	41.53	3.5
89	MP1B	Z	-23.978	3.5
90	MP1B	Mx	.024	3.5
91	MP5B	X	41.53	.5
92	MP5B	Z	-23.978	.5
93	MP5B	Mx	.024	.5
94	MP5B	X	41.53	3.5
95	MP5B	Z	-23.978	3.5
96	MP5B	Mx	.024	3.5
97	MP1A	X	47.693	.5
98	MP1A	Z	-27.536	.5
99	MP1A	Mx	014	.5
100	MP1A	X	47.693	3.5
101	MP1A	Z	-27.536	3.5
102	MP1A	Mx	014	3.5
103	MP1C	X	47.693	.5
104	MP1C	Z	-27.536	.5
105	MP1C	Mx	014	.5
106	MP1C	X	47.693	3.5
107	MP1C	Z	-27.536	3.5
108	MP1C	Mx	014	3.5
109	MP5A	X	47.693	.5
110	MP5A	Z	-27.536	.5
111	MP5A	Mx	014	.5
112	MP5A	X	47.693	3.5
113	MP5A	Z	-27.536	3.5
114	MP5A	Mx	014	3.5
115	MP5C	X	47.693	.5
116	MP5C	Z	-27.536	.5
117	MP5C	Mx	014	.5
118	MP5C	X	47.693	3.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
119	MP5C	Z	-27.536	3.5
120	MP5C	Mx	014	3.5
121	OVPB	X	65.005	2
122	OVPB	Z	-37.53	2
123	OVPB	Mx	0	2
124	OVPC	X	65.005	2
125	OVPC	Z	-37.53	2
126	OVPC	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3B	X	130.949	.25
2	MP3B	Z	0	.25
3	MP3B	Mx	.127	.25
4	MP3B	X	130.949	4.25
5	MP3B	Z	0	4.25
6	MP3B	Mx	.127	4.25
7	MP3B	X	130.949	.25
8	MP3B	Z	0	.25
9	MP3B	Mx	062	.25
10	MP3B	X	130.949	4.25
11	MP3B	Z	0	4.25
12	MP3B	Mx	062	4.25
13	MP3A	X	70.864	.25
14	MP3A	Z	0	.25
15	MP3A	Mx	035	.25
16	MP3A	X	70.864	4.25
17	MP3A	Z	0	4.25
18	MP3A	Mx	035	4.25
19	MP3C	X	85.874	.25
20	MP3C	Z	0	.25
21	MP3C	Mx	.000692	.25
22	MP3C	X	85.874	4.25
23	MP3C	Z	0	4.25
24	MP3C	Mx	.000692	4.25
25	MP3A	X	70.864	.25
26	MP3A	Z	0	.25
27	MP3A	Mx	035	.25
28	MP3A	X	70.864	4.25
29	MP3A	Z	0	4.25
30	MP3A	Mx	035	4.25
31	MP3C	X	85.874	.25
32	MP3C	Z	0	.25
33	MP3C	Mx	.065	.25
34	MP3C	X	85.874	4.25
35	MP3C	Z	0	4.25
36	MP3C	Mx	.065	4.25
37	MP4A	X	24.411	0
38	MP4A	Z	0	0
39	MP4A	Mx	012	0
40	MP4A	X	24.411	1
41	MP4A	Z	0	1
42	MP4A	Mx	012	1
43	MP4B	X	52.866	0
44	MP4B	Z	0	0
45	MP4B	Mx	.013	0
46	MP4B	X	52.866	1
46		Z		1
4/	MP4B		0	T



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

AB		DEL TOME Educa (DEG 0 . F			
49	40	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
SO					· ·
ST			λ 7		
S2					
S3					
S4			X		
S5					-
Section					
SF			X		
58 MP4B X 18,868 4 59 MP4B Z 0 4 60 MP4B Mx .005 4 61 MP4C X 12,474 4 62 MP4C Z 0 4 63 MP4C Mx .005 4 64 OVPA X 66,562 2 65 OVPA Z 0 2 66 OVPA X 26,864 3 67 MP2A X 26,864 3 68 MP2A X 2,684 3 69 MP2A Mx .013 3 70 MP2B X 43,928 3 71 MP2B X 43,928 3 3 MP2C X 36,265 3 72 MP2B Mx .011 3 73 MP2C X 36,265					
59 MP4B Z 0 4 60 MP4B Mx 005 4 61 MP4C X 12.474 4 62 MP4C Z 0 4 63 MP4C Mx .005 4 64 OVPA X 66.562 2 66 OVPA X 26.864 3 66 OVPA Mx 0 2 67 MP2A X 26.864 3 68 MP2A Z 0 3 69 MP2A Mx .013 3 70 MP2B X 43.928 3 71 MP2B Z 0 3 72 MP2B X 43.928 3 71 MP2B X 43.928 3 71 MP2B X 36.265 3 72 MP2B Mx -011 <td< td=""><td></td><td></td><td></td><td></td><td></td></td<>					
60 MP4B Mx .005 4 61 MP4C X 12.474 4 62 MP4C Z 0 4 63 MP4C Mx .005 4 64 OVPA X 66.562 2 65 OVPA Z 0 2 66 OVPA X 26.864 3 68 MP2A X 26.864 3 69 MP2A X 26.864 3 69 MP2A X 26.864 3 70 MP2B X 43.928 3 71 MP2B Z 0 3 70 MP2B X 43.928 3 71 MP2B X 43.928 3 71 MP2B X 43.928 3 71 MP2B X 43.625 3 72 MP2B MX -011					
61 MP4C X 12.474 4 62 MP4C Z 0 4 63 MP4C Mx .005 4 64 OVPA X 66.562 2 65 OVPA Z 0 2 66 OVPA MX 0 2 67 MP2A MX 26.864 3 68 MP2A X 26.864 3 68 MP2A Z 0 3 69 MP2A Mx .013 3 70 MP2B X 43.928 3 71 MP2B X 36.265 3 72 MP2B Mx .011 3 75 MP2C X 36.265					
62 MP4C Z 0 4 63 MP4C Mx .005 4 64 OVPA X .66.662 2 65 OVPA Z 0 2 66 OVPA Mx 0 2 67 MP2A X 2.6864 3 68 MP2A Z 0 3 69 MP2A X 2.0 3 69 MP2A X 43.928 3 70 MP2B X 43.928 3 71 MP2B X 43.928 3 71 MP2B X 43.928 3 72 MP2B Mx .011 3 73 MP2C X 36.265 3 74 MP2C X 36.265 3 75 MP2C Mx -0.014 3 76 MP3A X 33.166					
63 MP4C Mx .005 4 64 OVPA X 66.562 2 65 OVPA Z 0 2 66 OVPA MX 0 2 67 MP2A X 26.864 3 68 MP2A Z 0 3 69 MP2A Mx .013 3 70 MP2B X 43.928 3 71 MP2B X 43.928 3 71 MP2B X 43.928 3 71 MP2B X 43.928 3 74 MP2B X 36.265 3 74 MP2C Z 0 3 75 MP2C X 36.265 3 75 MP3A X 33.166 3 77 MP3A X 33.166 3 77 MP3A X 33.166			X		
64 OVPA X 66.562 2 66 OVPA Z 0 2 67 MP2A X 26.864 3 68 MP2A Z 0 3 69 MP2A MX .013 3 70 MP2B X 43.928 3 71 MP2B Z 0 3 72 MP2B MX .011 3 72 MP2B MX .011 3 73 MP2C X 36.265 3 74 MP2C Z 0 3 74 MP2C Z 0 3 75 MP3A X 33.166 3 77 MP3A X 45.503 3 79 MP3A MX .017 3 80 MP3B X 45.503 3 81 MP3B X 45.503 <td< td=""><td></td><td></td><td></td><td></td><td></td></td<>					
65 OVPA Z 0 2 66 OVPA Mx 0 2 67 MP2A X 26.864 3 68 MP2A Z 0 3 69 MP2A Mx .013 3 70 MP2B X 43.928 3 71 MP2B Z 0 3 72 MP2B Mx .011 3 73 MP2B Mx .011 3 73 MP2C X 36.265 3 74 MP2C X 36.265 3 75 MP2C MX 33.166 3 76 MP3A X 33.166 3 77 MP3A Z 0 3 78 MP3A Mx .017 3 79 MP3B X 45.503 3 80 MP3B X 45.503 <	63				
66 OVPA Mx 0 2 67 MP2A X 26.864 3 68 MP2A Z 0 3 69 MP2A Mx .013 3 70 MP2B X 43.928 3 71 MP2B Z 0 3 72 MP2B MX 011 3 73 MP2C X 36.265 3 74 MP2C Z 0 3 75 MP2C MX 014 3 76 MP3A X 33.166 3 77 MP3A Z 0 3 79 MP3A MX .017 3 80 MP3B X 45.503 3 80 MP3B X 45.503 3 81 MP3B X 45.503 3 82 MP3G X 39.963	64	OVPA	X	66.562	2
67 MP2A X 26.864 3 68 MP2A Z 0 3 69 MP2A Mx .013 3 70 MP2B X 43.928 3 71 MP2B Z 0 3 72 MP2B Mx 011 3 73 MP2C X 36.265 3 74 MP2C Z 0 3 75 MP2C Mx 014 3 76 MP3A X 33.166 3 77 MP3A X 3.3166 3 77 MP3A X 45.503 3 80 MP3B X 45.503 3 80 MP3B X 45.503 3 81 MP3B X 45.503 3 82 MP3B X 45.503 3 83 MP3C X 39.963 <td>65</td> <td>OVPA</td> <td>Z</td> <td>0</td> <td>2</td>	65	OVPA	Z	0	2
67 MP2A X 26.864 3 68 MP2A Z 0 3 69 MP2A Mx .013 3 70 MP2B X 43.928 3 71 MP2B Z 0 3 72 MP2B Mx 011 3 73 MP2C X 36.265 3 74 MP2C Z 0 3 75 MP2C Mx 014 3 76 MP3A X 33.166 3 77 MP3A X 3.3166 3 77 MP3A X 45.503 3 80 MP3B X 45.503 3 80 MP3B X 45.503 3 81 MP3B X 45.503 3 82 MP3B X 45.503 3 83 MP3C X 39.963 <td>66</td> <td>OVPA</td> <td>Mx</td> <td>0</td> <td>2</td>	66	OVPA	Mx	0	2
68 MP2A Z 0 3 69 MP2A Mx .013 3 70 MP2B X 43,928 3 71 MP2B X 43,928 3 71 MP2B Mx -011 3 72 MP2B Mx -011 3 73 MP2C X 36,265 3 74 MP2C Z 0 3 75 MP2C Mx -014 3 76 MP3A X 33,166 3 77 MP3A X 33,166 3 77 MP3A X 0 3 79 MP3B X 45,503 3 80 MP3B X 45,503 3 81 MP3B X 45,503 3 82 MP3C X 39,963 3 83 MP3B Z 0				26.864	
69 MP2A Mx 013 3 70 MP2B X 43.928 3 71 MP2B Z 0 3 72 MP2B Mx -011 3 73 MP2C X 36.265 3 74 MP2C Z 0 3 75 MP2C Mx -014 3 76 MP3A X 33.166 3 77 MP3A X 33.166 3 77 MP3A X 33.166 3 77 MP3A X 45.503 3 80 MP3B X 45.503 3 80 MP3B Z 0 3 81 MP3B Mx -011 3 82 MP3C X 39.963 3 83 MP3C X 39.963 3 84 MP3C Mx -0.15			Z		3
70 MP2B X 43.928 3 71 MP2B Z 0 3 72 MP2B Mx -011 3 73 MP2C X 36.265 3 74 MP2C Z 0 3 75 MP2C MX -014 3 76 MP3A X 33.166 3 77 MP3A Z 0 3 78 MP3A X 33.166 3 79 MP3B X 45.503 3 80 MP3B Z 0 3 81 MP3B X 45.503 3 81 MP3B X 39.963 3 82 MP3B X 39.963 3 83 MP3C X 39.963 3 84 MP3C MX 49.399 .5 86 MP1B X 49.399					3
71 MP2B Z 0 3 72 MP2B Mx -011 3 73 MP2C X 36.265 3 74 MP2C Z 0 3 75 MP2C Mx 014 3 76 MP3A X 33.166 3 77 MP3A Z 0 3 78 MP3A MX .017 3 79 MP3B X 45.503 3 80 MP3B X 45.503 3 81 MP3B Mx -011 3 82 MP3B Mx -011 3 82 MP3B Mx -011 3 83 MP3C X 39.963 3 83 MP3C X 39.963 3 84 MP3C Mx -015 3 85 MP1B X 49.399					3
72 MP2B Mx -011 3 73 MP2C X 36.265 3 74 MP2C Z 0 3 75 MP2C Mx 014 3 76 MP3A X 33.166 3 77 MP3A Z 0 3 78 MP3A MX .017 3 79 MP3B X 45.503 3 80 MP3B Z 0 3 81 MP3B X 45.503 3 81 MP3B X 45.503 3 81 MP3B X 39.963 3 82 MP3C X 39.963 3 83 MP3C X 39.963 3 84 MP3C X 49.399 .5 86 MP1B X 49.399 .5 87 MP1B X 49.399 <td></td> <td></td> <td></td> <td></td> <td></td>					
73 MP2C X 36.265 3 74 MP2C Z 0 3 75 MP2C Mx .014 3 76 MP3A X 33.166 3 77 MP3A Z 0 3 78 MP3A MX .017 3 79 MP3B X 45.503 3 80 MP3B X 45.503 3 81 MP3B X 45.503 3 81 MP3B X 45.503 3 81 MP3B X 45.503 3 82 MP3B X 45.503 3 83 MP3B X 45.503 3 84 MP3C X 39.963 3 83 MP3C X 39.963 3 84 MP3C MX -0.15 3 85 MP1B X 49.399					
74 MP2C Z 0 3 75 MP2C MX 014 3 76 MP3A X 33.166 3 77 MP3A Z 0 3 78 MP3A MX .017 3 79 MP3B X 45.503 3 80 MP3B X 45.503 3 81 MP3B X 45.503 3 81 MP3B X 45.503 3 82 MP3B MX 011 3 83 MP3B MX 011 3 84 MP3B MX 015 3 84 MP3C X 39.963 3 85 MP1B X 49.399 .5 86 MP1B X 49.399 .5 87 MP1B X 49.399 3.5 88 MP1B X 4					
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104 MP1C Z 0 .5 105 MP1C Mx 0 .5					
104 MP1C Z 0 .5 105 MP1C Mx 0 .5			X	57.443	.5
		MP1C	Z		
	105	MP1C	Mx	0	.5
100 IVII 10 A 07.440 5.5	106	MP1C	X	57.443	3.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
107	MP1C	Z	0	3.5
108	MP1C	Mx	0	3.5
109	MP5A	X	50.327	.5
110	MP5A	Z	0	.5
111	MP5A	Mx	022	.5
112	MP5A	X	50.327	3.5
113	MP5A	Z	0	3.5
114	MP5A	Mx	022	3.5
115	MP5C	X	57.443	.5
116	MP5C	Z	0	.5
117	MP5C	Mx	0	.5
118	MP5C	X	57.443	3.5
119	MP5C	Z	0	3.5
120	MP5C	Mx	0	3.5
121	OVPB	X	66.562	2
122	OVPB	Z	0	2
123	OVPB	Mx	0	2
124	OVPC	X	66.562	2
125	OVPC	Z	0	2
126	OVPC	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3B	X	130.974	.25
2	MP3B	Z	75.618	.25
3	MP3B	Mx	.126	.25
4	MP3B	X	130.974	4.25
5	MP3B	Z	75.618	4.25
6	MP3B	Mx	.126	4.25
7	MP3B	X	130.974	.25
8	MP3B	Z	75.618	.25
9	MP3B	Mx	126	.25
10	MP3B	X	130.974	4.25
11	MP3B	Z	75.618	4.25
12	MP3B	Mx	126	4.25
13	MP3A	X	69.235	.25
14	MP3A	Z	39.973	.25
15	MP3A	Mx	058	.25
16	MP3A	X	69.235	4.25
17	MP3A	Z	39.973	4.25
18	MP3A	Mx	058	4.25
19	MP3C	X	62.319	.25
20	MP3C	Z	35.98	.25
21	MP3C	Mx	.028	.25
22	MP3C	X	62.319	4.25
23	MP3C	Z	35.98	4.25
24	MP3C	Mx	.028	4.25
25	MP3A	X	69.235	.25
26	MP3A	Z	39.973	.25
27	MP3A	Mx	011	.25
28	MP3A	X	69.235	4.25
29	MP3A	Z	39.973	4.25
30	MP3A	Mx	011	4.25
31	MP3C	X	62.319	.25
32	MP3C	Z	35.98	.25
33	MP3C	Mx	.043	.25
34	MP3C	X	62.319	4.25
35	MP3C	Ζ	35.98	4.25



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

	Marriag Label			L ti Fft 0/1
36	Member Label MP3C	Direction Mx	Magnitude[lb,k-ft] .043	Location[ft,%] 4.25
37	MP4A	X	29.355	0
38	MP4A	Z	16.948	0
39	MP4A	Mx	015	0
40	MP4A	X	29.355	1
41	MP4A	Z	16.948	1
42	MP4A	Mx	015	1
43	MP4B	X	53.998	0
44	MP4B	Z	31.176	0
45	MP4B	Mx	0	0
46	MP4B	X	53.998	1
47	MP4B	Z	31.176	1
48	MP4B	Mx	0	1
49	MP4C	X	22.131	0
50	MP4C	Z	12.777	0
51	MP4C	Mx	.013	0
52	MP4C	X	22.131	1
	MP4C	Z		1
53 54	MP4C	Mx	.013	1
55	MP4A	X	8.12	4
		Z	4.688	4
56 57	MP4A MP4A			
58	MP4B	Mx X	004 20.45	4 4
59	MP4B	Z	11.807	
				4
60	MP4B MP4C	Mx X	4.506	4 4
61 62	MP4C	Z	2.602	4
	MP4C	Mx	.003	
63				4 2
64 65	OVPA OVPA	X Z	65.005	
66	OVPA OVPA		37.53 0	2 2
67	OVPA MP2A	Mx X	28.191	3
68	MP2A	Z	16.276	3
69	MP2A	Mx	.014	3
70	MP2B	X	42.969	3
71	MP2B	Z	24.808	3
72	MP2B	Mx	0	3
73	MP2C	X	23.859	3
74	MP2C	Z	13.775	3
75	MP2C	Mx	014	3
76	MP3A	X	32.284	3
77	MP3A	Z	18.639	3
78	MP3A	Mx	.016	3
79	MP3B	X	42.969	3
80	MP3B	Z	24.808	3
81	MP3B	Mx	0	3
82	MP3C	X	29.152	3
83	MP3C	Z	16.831	3
84	MP3C	Mx	017	3
85	MP1B	X	45.28	.5
86	MP1B	Z	26.143	.5
87	MP1B	Mx	.013	.5
88	MP1B	X	45.28	3.5
89	MP1B	Z	26.143	3.5
90	MP1B	Mx	.013	3.5
91	MP5B	X	45.28	.5
92	MP5B	Z	26.143	.5
93	MP5B	Mx	.013	.5
94	MP5B	X	45.28	3.5
94	IVICOD	^	40.20	ა.ე



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP5B	Z	26.143	3.5
96	MP5B	Mx	.013	3.5
97	MP1A	X	41.53	.5
98	MP1A	Z	23.978	.5
99	MP1A	Mx	024	.5
100	MP1A	X	41.53	3.5
101	MP1A	Z	23.978	3.5
102	MP1A	Mx	024	3.5
103	MP1C	X	47.693	.5
104	MP1C	Z	27.536	.5
105	MP1C	Mx	.014	.5
106	MP1C	X	47.693	3.5
107	MP1C	Z	27.536	3.5
108	MP1C	Mx	.014	3.5
109	MP5A	X	41.53	.5
110	MP5A	Z	23.978	.5
111	MP5A	Mx	024	.5
112	MP5A	X	41.53	3.5
113	MP5A	Z	23.978	3.5
114	MP5A	Mx	024	3.5
115	MP5C	X	47.693	.5
116	MP5C	Z	27.536	.5
117	MP5C	Mx	.014	.5
118	MP5C	X	47.693	3.5
119	MP5C	Z	27.536	3.5
120	MP5C	Mx	.014	3.5
121	OVPB	X	65.005	2
122	OVPB	Z	37.53	2
123	OVPB	Mx	0	2
124	OVPC	Χ	65.005	2
125	OVPC	Z	37.53	2
126	OVPC	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3B	X	65.475	.25
2	MP3B	Z	113.405	.25
3	MP3B	Mx	.062	.25
4	MP3B	X	65.475	4.25
5	MP3B	Z	113.405	4.25
6	MP3B	Mx	.062	4.25
7	MP3B	X	65.475	.25
8	MP3B	Z	113.405	.25
9	MP3B	Mx	127	.25
10	MP3B	X	65.475	4.25
11	MP3B	Z	113.405	4.25
12	MP3B	Mx	127	4.25
13	MP3A	X	49.055	.25
14	MP3A	Z	84.966	.25
15	MP3A	Mx	074	.25
16	MP3A	X	49.055	4.25
17	MP3A	Z	84.966	4.25
18	MP3A	Mx	074	4.25
19	MP3C	X	37.557	.25
20	MP3C	Z	65.05	.25
21	MP3C	Mx	.05	.25
22	MP3C	X	37.557	4.25
23	MP3C	Z	65.05	4.25



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP3C	Mx	.05	4.25
25	MP3A	X	49.055	.25
26	MP3A	Z	84.966	.25
27	MP3A	Mx	.025	.25
28	MP3A	X	49.055	4.25
29	MP3A	Z	84.966	4.25
30	MP3A	Mx	.025	4.25
31	MP3C	X	37.557	.25
32	MP3C	Z	65.05	.25
33	MP3C	Mx	.02	.25
34	MP3C	X	37.557	4.25
35	MP3C	Z	65.05	4.25
36	MP3C	Mx	.02	4.25
37	MP4A	X	26.433	0
38	MP4A	Z	45.784	0
39	MP4A	Mx	013	0
40	MP4A	X	26.433	1
41	MP4A	Z	45.784	1
42	MP4A	Mx	013	1
43	MP4B	X	26.433	0
44	MP4B	Z	45.784	0
45	MP4B	Mx	013	0
46	MP4B	X	26.433	1
47	MP4B	Z	45.784	1
48	MP4B	Mx	013	1
49	MP4C	X	14.424	0
50	MP4C	Z	24.984	0
51	MP4C	Mx	.014	0
52	MP4C	X	14.424	1
53	MP4C	Z	24.984	1
54	MP4C	Mx	.014	1
55	MP4A	X	9.434	4
56	MP4A	Z	<u>16.34</u> 005	4 4
57 58	MP4A MP4B	Mx X	9.434	4
59	MP4B	Z	16.34	4
60	MP4B	Mx	005	4
61	MP4C	X	3.426	4
62	MP4C	Z	5.934	4
63	MP4C	Mx	.003	4
64	OVPA	X	46.03	2
65	OVPA	Z	79.726	2
66	OVPA	Mx	0	2
67	MP2A	X	21.964	3
68	MP2A	Z	38.043	3
69	MP2A	Mx	.011	3
70	MP2B	X	21.964	3
71	MP2B	Z	38.043	3
72	MP2B	Mx	.011	3
73	MP2C	X	14.763	3
74	MP2C	Z	25.57	3
75	MP2C	Mx	014	3
76	MP3A	X	22.752	3
77	MP3A	Z	39.407	3
78	MP3A	Mx	.011	3
79	MP3B	X	22.752	3
80	MP3B	Z	39.407	3
81	MP3B	Mx	.011	3
82	MP3C	X	17.545	3



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP3C	Z	30.389	3
84	MP3C	Mx	016	3
85	MP1B	X	26.864	.5
86	MP1B	Z	46.53	.5
87	MP1B	Mx	0	.5
88	MP1B	Χ	26.864	3.5
89	MP1B	Z	46.53	3.5
90	MP1B	Mx	0	3.5
91	MP5B	X	26.864	.5
92	MP5B	Z	46.53	.5
93	MP5B	Mx	0	.5
94	MP5B	Χ	26.864	3.5
95	MP5B	Z	46.53	3.5
96	MP5B	Mx	0	3.5
97	MP1A	X	25.164	.5
98	MP1A	Z	43.585	.5
99	MP1A	Mx	022	.5
100	MP1A	X	25.164	3.5
101	MP1A	Z	43.585	3.5
102	MP1A	Mx	022	3.5
103	MP1C	X	25.164	.5
104	MP1C	Z	43.585	.5
105	MP1C	Mx	.022	.5
106	MP1C	Χ	25.164	3.5
107	MP1C	Z	43.585	3.5
108	MP1C	Mx	.022	3.5
109	MP5A	X	25.164	.5
110	MP5A	Z	43.585	.5
111	MP5A	Mx	022	.5
112	MP5A	X	25.164	3.5
113	MP5A	Z	43.585	3.5
114	MP5A	Mx	022	3.5
115	MP5C	Χ	25.164	.5
116	MP5C	Z	43.585	.5
117	MP5C	Mx	.022	.5
118	MP5C	X	25.164	3.5
119	MP5C	Z	43.585	3.5
120	MP5C	Mx	.022	3.5
121	OVPB	X	46.03	2
122	OVPB	Z	79.726	2
123	OVPB	Mx	0	2
124	OVPC	X	46.03	2
125	OVPC	Z	79.726	2
126	OVPC	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3B	X	0	.25
2	MP3B	Z	90.377	.25
3	MP3B	Mx	001	.25
4	MP3B	X	0	4.25
5	MP3B	Z	90.377	4.25
6	MP3B	Mx	001	4.25
7	MP3B	X	0	.25
8	MP3B	Z	90.377	.25
9	MP3B	Mx	077	.25
10	MP3B	X	0	4.25
11	MP3B	Z	90.377	4.25



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

	iber i omit Loads (BLO 5 : I			
4.0	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP3B	Mx	077	4.25
13	MP3A	X	0	.25
14	MP3A	Z	107.192	.25
15	MP3A	Mx	063	.25
16	MP3A	X	0	4.25
17	MP3A	Z	107.192	4.25
18	MP3A	Mx	063	4.25
19	MP3C	X	0	.25
20	MP3C	Z	92.182	.25
21	MP3C	Mx	.071	.25
22	MP3C	X	0	4.25
23	MP3C	Z	92.182	4.25
24	MP3C	Mx	.071	4.25
25	MP3A	X	0	.25
26	MP3A	Z	107.192	.25
27	MP3A	Mx	.063	.25
28	MP3A	X	0	4.25
29	MP3A	Z	107.192	4.25
30	MP3A	Mx	.063	4.25
31	MP3C	X	0	.25
32	MP3C	Z	92.182	.25
33	MP3C	Mx	012	.25
34	MP3C	X	0	4.25
35	MP3C	Z	92.182	4.25
36	MP3C	Mx	012	4.25
37	MP4A	X	0	0
38	MP4A	Z	62.352	0
39	MP4A	Mx	0	0
40	MP4A	X	0	1
41	MP4A	Z	62.352	1
42	MP4A	Mx	0	1
43	MP4B	X	0	0
44	MP4B	Z	33.896	0
45	MP4B	Mx	015	0
46	MP4B	X	0	1
47	MP4B	Z	33.896	1
48	MP4B	Mx	015	1
49	MP4C	X	0	0
50	MP4C	Z	46.675	0
51	MP4C	Mx	.015	0
52	MP4C	X	0	1
53	MP4C	Z	46.675	1
54	MP4C	Mx	.015	1
55	MP4A MP4A	X	0	4
56	MP4A	Z	23.614	4
57	MP4A MP4A			4
58	MP4B	Mx	0	4
59	MP4B	Z	9.377	
				4 4
60	MP4B	Mx	004	
61	MP4C	X	0	4
62	MP4C	Z	15.771	4
63	MP4C	Mx	.005	4
64	OVPA	X	0	2
65	OVPA	Z	100.559	2
66	OVPA	Mx	0	2
67	MP2A	X	0	3 3
68	MP2A	Z	49.616	3
69	MP2A	Mx	0	3
70	MP2B	X	0	3



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

	ir r omit Loads (BLO 3 :			
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP2B	Z	32.552	3
72	MP2B	Mx	.014	3
73	MP2C	X	0	3
74	MP2C	Z	40.215	3
75	MP2C	Mx	013	3
76	MP3A	X	0	3
77	MP3A	Z	49.616	3
78	MP3A	Mx	0	3
79	MP3B	X	0	3
80	MP3B	Z	37.278	3
81	MP3B	Mx	.016	3
82	MP3C	X	0	3
83	MP3C	Z	42.819	3
84	MP3C	Mx	014	3
85	MP1B	X	0	.5
86	MP1B	Z	52.285	.5
87	MP1B	Mx	013	.5
88	MP1B	X	0	3.5
89	MP1B	Z	52.285	3.5
90	MP1B	Mx	013	3.5
91	MP5B		013 0	.5
92	MP5B	X	52.285	.5
93	MP5B	Mx	013	.5
94	MP5B	X	013	3.5
		Z		
95	MP5B		52.285	3.5
96	MP5B	Mx	013	3.5
97	MP1A	X	0	.5
98	MP1A		55.071	.5
99	MP1A	Mx	014	.5
100	MP1A	X	0	3.5
101	MP1A	Z	55.071	3.5
102	MP1A	Mx	014	3.5
103	MP1C	X	0	.5
104	MP1C	Z	47.955	.5
105	MP1C	Mx	.024	.5
106	MP1C	X	0	3.5
107	MP1C	Z	47.955	3.5
108	MP1C	Mx	.024	3.5
109	MP5A	X	0	.5
110	MP5A	Z	55.071	.5
111	MP5A	Mx	014	.5
112	MP5A	X	0	3.5
113	MP5A	Z	55.071	3.5
114	MP5A	Mx	014	3.5
115	MP5C	X	0	.5
116	MP5C	Z	47.955	.5
117	MP5C	Mx	.024	.5
118	MP5C	X	0	3.5
119	MP5C	Z	47.955	3.5
120	MP5C	Mx	.024	3.5
121	OVPB	X	0	2 2
122	OVPB		100.559	2
123	OVPB	Mx	0	2
124	OVPC	X	0	2
125	OVPC	Z	100.559	2
126	OVPC	Mx	0	2

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



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

	Marshard and			1
1	Member Label MP3B	Direction X	Magnitude[lb,k-ft] -35.045	Location[ft,%]
2	MP3B	Z	60.7	.25
3	MP3B	Mx	035	.25
4	MP3B	X	-35.045	4.25
5	MP3B	Z	60.7	4.25
6	MP3B	Mx	035	4.25
7	MP3B	X	-35.045	.25
8	MP3B	Z	60.7	.25
9	MP3B	Mx	035	.25
10	MP3B	X	-35.045	4.25
11	MP3B	Z	60.7	4.25
12	MP3B	Mx	035	4.25
13	MP3A	X	-49.055	.25
14	MP3A	Z	84.966	.25
15	MP3A	Mx	025	.25
16	MP3A	X	-49.055	4.25
17	MP3A	Z	84.966	4.25
18	MP3A	Mx	025	4.25
19	MP3C	X	-53.048	.25
20	MP3C	Z	91.882	.25
21	MP3C	Mx	.07	.25
22	MP3C	X	-53.048	4.25
23	MP3C	Z	91.882	4.25
24	MP3C	Mx	.07	4.25
25	MP3A	X	-49.055	.25
26	MP3A	Z	84.966	.25
27	MP3A	Mx	.074	.25
28	MP3A	X	-49.055	4.25
29	MP3A	Z	84.966	4.25
30	MP3A	Mx	.074	4.25
31	MP3C	X	-53.048	.25
32	MP3C	Z	91.882	.25
33	MP3C	Mx	052	.25
34	MP3C	X	-53.048	4.25
35	MP3C	Z	91.882	4.25
36	MP3C	Mx	052	4.25
37	MP4A	X	-26.433	0
38	MP4A	Z	45.784	0
39	MP4A	Mx	.013	0
40	MP4A	X	-26.433	1
41	MP4A	Z	45.784	1
42	MP4A	Mx	.013	1
43	MP4B	X	-12.205	0
44	MP4B	Z	21.14	0
45	MP4B	Mx	012	0
46	MP4B	X	-12.205	1
47	MP4B	Z	21.14	1
48	MP4B	Mx	012	1
49	MP4C	X	-30.604	0
50	MP4C	Z	53.007	0
51	MP4C	Mx	.005	0
52	MP4C	X	-30.604	1
53	MP4C	Z	53.007	1
54	MP4C	Mx	.005	1
55	MP4A	X	-9.434	4
56	MP4A	Z	16.34	4
57	MP4A	Mx	.005	4
58	MP4B	X	-2.315	4
59	MP4B	Z	4.01	4



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP4B	Mx	002	4
61	MP4C	X	-11.521	4
62	MP4C	Z	19.955	4
63	MP4C	Mx	.002	4
64	OVPA	X	-46.03	2
65	OVPA	Z	79.726	2
66	OVPA	Mx	0	2
67	MP2A	X	-21.964	3
68	MP2A	Z	38.043	3
69	MP2A	Mx	011	3
70	MP2B	X	-13.432	3
71	MP2B	Z	23.265	3
72	MP2B	Mx	.013	3
73	MP2C	X	-24.465	3
74	MP2C	Z	42.375	3
75	MP2C	Mx	004	3
76	MP3A	X	-22.752	3
77	MP3A	Z	39.407	3
78	MP3A	Mx	011	3
79	MP3B	X	-16.583	3
80	MP3B	Z	28.722	3
81	MP3B	Mx	.017	3
82	MP3C	X	-24.56	3
83	MP3C	Z	42.539	3
84	MP3C	Mx	004	3
85	MP1B	X	-24.699	.5
86	MP1B	Z	42.78	.5
87	MP1B	Mx	021	.5
88	MP1B	X	-24.699	3.5
89	MP1B	Z	42.78	3.5
90	MP1B	Mx	021	3.5
91	MP5B	X	-24.699	.5
92	MP5B	Z	42.78	.5 .5
93	MP5B MP5B	Mx X	021 -24.699	3.5
95	MP5B	Z	42.78	3.5
96	MP5B	Mx	021	3.5
97	MP1A	X	-28.722	.5
98	MP1A	Z	49.747	.5
99	MP1A	Mx	0	.5
100	MP1A	X	-28.722	3.5
101	MP1A	Z	49.747	3.5
102	MP1A	Mx	0	3.5
103	MP1C	X	-25.164	.5
104	MP1C	Z	43.585	.5
105	MP1C	Mx	.022	.5
106	MP1C	X	-25.164	3.5
107	MP1C	Z	43.585	3.5
108	MP1C	Mx	.022	3.5
109	MP5A	X	-28.722	.5
110	MP5A	Z	49.747	.5
111	MP5A	Mx	0	.5
112	MP5A	X	-28.722	3.5
113	MP5A	Z	49.747	3.5
114	MP5A	Mx	0	3.5
115	MP5C	X	-25.164	.5
116	MP5C	Z	43.585	.5
117	MP5C	Mx	.022	.5
118	MP5C	X	-25.164	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
119	MP5C	Z	43.585	3.5
120	MP5C	Mx	.022	3.5
121	OVPB	X	-46.03	2
122	OVPB	Z	79.726	2
123	OVPB	Mx	0	2
124	OVPC	X	-46.03	2
125	OVPC	Z	79.726	2
126	OVPC	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3B	X	-78.268	.25
2	MP3B	Z	45.188	.25
3	MP3B	Mx	077	.25
4	MP3B	X	-78.268	4.25
5	MP3B	Z	45.188	4.25
6	MP3B	Mx	077	4.25
7	MP3B	X	-78.268	.25
8	MP3B	Z	45.188	.25
9	MP3B	Mx	001	.25
10	MP3B	X	-78.268	4.25
11	MP3B	Z	45.188	4.25
12	MP3B	Mx	001	4.25
13	MP3A	X	-69.235	.25
14	MP3A	Z	39.973	.25
15	MP3A	Mx	.011	.25
16	MP3A	X	-69.235	4.25
17	MP3A	Z	39.973	4.25
18	MP3A	Mx	.011	4.25
19	MP3C	X	-89.151	.25
20	MP3C	Z	51.471	.25
21	MP3C	Mx	.039	.25
22	MP3C	X	-89.151	4.25
23	MP3C	Z	51.471	4.25
24	MP3C	Mx	.039	4.25
25	MP3A	X	-69.235	.25
26	MP3A	Z	39.973	.25
27	MP3A	Mx	.058	.25
28	MP3A	X	-69.235	4.25
29	MP3A	Z	39.973	4.25
30	MP3A	Mx	.058	4.25
31	MP3C	X	-89.151	.25
32	MP3C	Z	51.471	.25
33	MP3C	Mx	074	.25
34	MP3C	X	-89.151	4.25
35	MP3C	Z	51.471	4.25
36	MP3C	Mx	074	4.25
37	MP4A	X	-29.355	0
38	MP4A	Z	16.948	0
39	MP4A	Mx	.015	0
40	MP4A	X	-29.355	1
41	MP4A	Z	16.948	1
42	MP4A	Mx	.015	1
43	MP4B	X	-29.355	0
44	MP4B	Z	16.948	0
45	MP4B	Mx	015	0
46	MP4B	X	-29.355	1
47	MP4B	Z	16.948	1
47	IVIT4D		10.340	I



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP4B	Mx	015	1
49	MP4C	X	-50.154	0
50	MP4C	Z	28.957	0
51	MP4C	Mx	01	0
52	MP4C	X	-50.154	1
53	MP4C	Z	28.957	1
54	MP4C	Mx	01	1
55	MP4A	X	-8.12	4
56	MP4A	Z	4.688	4
57	MP4A	Mx	.004	4
58	MP4B	X	-8.12	4
59	MP4B	Z	4.688	4
60	MP4B	Mx	004	4
61	MP4C	X	-18.527	4
62	MP4C	Z	10.697	4
63	MP4C	Mx	004	4
64	OVPA	X	-65.005	2
65	OVPA	Z	37.53	2
66	OVPA	Mx	0	2
67	MP2A	X	-28.191	3
68	MP2A	Z	16.276	3
69	MP2A	Mx	014	3
70	MP2B	X	-28.191	3
71	MP2B	Z	16.276	3
72	MP2B	Mx	.014	3
73	MP2C	X	-40.664	3
74	MP2C	Z	23.477	3
75	MP2C	Mx	.008	3
76	MP3A	X	-32.284	3
77	MP3A	Z	18.639	3
78	MP3A	Mx	016	3
79	MP3B	X	-32.284	3
80	MP3B	Z	18.639	3
81	MP3B	Mx	.016	3
82	MP3C	X	-41.302	3
83	MP3C	Z	23.846	3
84	MP3C	Mx	.008	3
85	MP1B	X	-41.53	.5
86	MP1B	Z	23.978	.5
87	MP1B	Mx	024	.5
88	MP1B	X	-41.53	3.5
89	MP1B	Z	23.978	3.5
90	MP1B	Mx	024	3.5
91	MP5B	X	-41.53	.5
92	MP5B	Z	23.978	.5
93	MP5B	Mx	024	.5
94	MP5B	X Z	-41.53	3.5
95	MP5B		23.978	3.5
96	MP5B	Mx	024	3.5
97	MP1A	X Z	-47.693	.5
98	MP1A		27.536	.5
99	MP1A MP1A	Mx	.014	.5
100		X Z	-47.693	3.5
101	MP1A		27.536	3.5 3.5
102 103	MP1A MP1C	Mx X	.014	
		Z	-47.693 27.536	.5
104 105	MP1C		27.536	.5
	MP1C	Mx ×	.014	.5 3.5
106	MP1C	X	-47.693	3.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
107	MP1C	Z	27.536	3.5
108	MP1C	Mx	.014	3.5
109	MP5A	X	-47.693	.5
110	MP5A	Z	27.536	.5
111	MP5A	Mx	.014	.5
112	MP5A	X	-47.693	3.5
113	MP5A	Z	27.536	3.5
114	MP5A	Mx	.014	3.5
115	MP5C	X	-47.693	.5
116	MP5C	Z	27.536	.5
117	MP5C	Mx	.014	.5
118	MP5C	X	-47.693	3.5
119	MP5C	Z	27.536	3.5
120	MP5C	Mx	.014	3.5
121	OVPB	X	-65.005	2
122	OVPB	Z	37.53	2
123	OVPB	Mx	0	2
124	OVPC	X	-65.005	2
125	OVPC	Z	37.53	2
126	OVPC	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3B	X	-130.949	.25
2	MP3B	Z	0	.25
3	MP3B	Mx	127	.25
4	MP3B	X	-130.949	4.25
5	MP3B	Z	0	4.25
6	MP3B	Mx	127	4.25
7	MP3B	X	-130.949	.25
8	MP3B	Z	0	.25
9	MP3B	Mx	.062	.25
10	MP3B	X	-130.949	4.25
11	MP3B	Z	0	4.25
12	MP3B	Mx	.062	4.25
13	MP3A	X	-70.864	.25
14	MP3A	Z	0	.25
15	MP3A	Mx	.035	.25
16	MP3A	X	-70.864	4.25
17	MP3A	Z	0	4.25
18	MP3A	Mx	.035	4.25
19	MP3C	X	-85.874	.25
20	MP3C	Z	0	.25
21	MP3C	Mx	000692	.25
22	MP3C	X	-85.874	4.25
23	MP3C	Z	0	4.25
24	MP3C	Mx	000692	4.25
25	MP3A	X	-70.864	.25
26	MP3A	Z	0	.25
27	MP3A	Mx	.035	.25
28	MP3A	X	-70.864	4.25
29	MP3A	Z	0	4.25
30	MP3A	Mx	.035	4.25
31	MP3C	X	-85.874	.25
32	MP3C	Z	0	.25
33	MP3C	Mx	065	.25
34	MP3C	X	-85.874	4.25
35	MP3C	Z	0	4.25



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

	Marsharland			1 1: Fft 0/1
36	Member Label MP3C	Direction Mx	Magnitude[lb,k-ft]065	Location[ft,%] 4.25
37	MP4A	X	-24.411	0
38	MP4A	Z	0	0
39	MP4A	Mx	.012	0
40	MP4A	X	-24.411	1
41	MP4A	Z	0	1
			.012	1
42	MP4A	Mx		
43	MP4B	X	-52.866	0
	MP4B	_	013	
45	MP4B	Mx		0
46	MP4B	X	-52.866	1
47	MP4B	Z	0	1
48	MP4B	Mx	013	1
49	MP4C	X	-40.087	0
50	MP4C	Z	0	0
51	MP4C	Mx	015	0
52	MP4C	X	-40.087	1
53	MP4C	Z	0	1
54	MP4C	Mx	015	1
55	MP4A	X	-4.631	4
56	MP4A	Z	0	4
57	MP4A	Mx	.002	4
58	MP4B	X	-18.868	4
59	MP4B	Z	0	4
60	MP4B	Mx	005	4
61	MP4C	X	-12.474	4
62	MP4C	Z	0	4
63	MP4C	Mx	005	4
64	OVPA	X	-66.562	2
65	OVPA	Z	0	2
66	OVPA	Mx	0	2
67	MP2A	X	-26.864	3
68	MP2A	Z	0	3
69	MP2A	Mx	013	3
70	MP2B	X	-43.928	3
71	MP2B	Z	0	3
72	MP2B	Mx	.011	3
73	MP2C	X	-36.265	3
74	MP2C	Z	0	3
75	MP2C	Mx	.014	3
76	MP3A	X	-33.166	3
77	MP3A	Z	0	3
78	MP3A	Mx	017	3
79	MP3B	X	-45.503	3
80	MP3B	Z	0	3
81	MP3B	Mx	.011	3
82	MP3C	X	-39.963	3
83	MP3C	Z	0	3
84	MP3C	Mx	.015	3
85	MP1B	X	-49.399	.5
86	MP1B	Z	0	.5
87	MP1B	Mx	021	.5
88	MP1B	X	-49.399	3.5
89	MP1B	Z	0	3.5
90	MP1B	Mx	021	3.5
91	MP5B	X	-49.399	.5
92	MP5B	Z	0	.5
93	MP5B	Mx	021	.5
94	MP5B	X	-49.399	3.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP5B	Z	0	3.5
96	MP5B	Mx	021	3.5
97	MP1A	X	-50.327	.5
98	MP1A	Z	0	.5
99	MP1A	Mx	.022	.5
100	MP1A	X	-50.327	3.5
101	MP1A	Z	0	3.5
102	MP1A	Mx	.022	3.5
103	MP1C	X	-57.443	.5
104	MP1C	Z	0	.5
105	MP1C	Mx	0	.5
106	MP1C	X	-57.443	3.5
107	MP1C	Z	0	3.5
108	MP1C	Mx	0	3.5
109	MP5A	X	-50.327	.5
110	MP5A	Z	0	.5
111	MP5A	Mx	.022	.5
112	MP5A	X	-50.327	3.5
113	MP5A	Z	0	3.5
114	MP5A	Mx	.022	3.5
115	MP5C	X	-57.443	.5
116	MP5C	Z	0	.5
117	MP5C	Mx	0	.5
118	MP5C	X	-57.443	3.5
119	MP5C	Z	0	3.5
120	MP5C	Mx	0	3.5
121	OVPB	Х	-66.562	2
122	OVPB	Z	0	2
123	OVPB	Mx	0	2
124	OVPC	Χ	-66.562	2
125	OVPC	Z	0	2
126	OVPC	Mx	0	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3B	X	-130.974	.25
2	MP3B	Z	-75.618	.25
3	MP3B	Mx	126	.25
4	MP3B	X	-130.974	4.25
5	MP3B	Z	-75.618	4.25
6	MP3B	Mx	126	4.25
7	MP3B	X	-130.974	.25
8	MP3B	Z	-75.618	.25
9	MP3B	Mx	.126	.25
10	MP3B	X	-130.974	4.25
11	MP3B	Z	-75.618	4.25
12	MP3B	Mx	.126	4.25
13	MP3A	Χ	-69.235	.25
14	MP3A	Z	-39.973	.25
15	MP3A	Mx	.058	.25
16	MP3A	Χ	-69.235	4.25
17	MP3A	Z	-39.973	4.25
18	MP3A	Mx	.058	4.25
19	MP3C	Χ	-62.319	.25
20	MP3C	Z	-35.98	.25
21	MP3C	Mx	028	.25
22	MP3C	Χ	-62.319	4.25
23	MP3C	Z	-35.98	4.25



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP3C	Mx	028	4.25
25	MP3A	X	-69.235	.25
26	MP3A	Z	-39.973	.25
27	MP3A	Mx	.011	.25
28	MP3A	X	-69.235	4.25
29	MP3A	Z	-39.973	4.25
30	MP3A	Mx	.011	4.25
31	MP3C	X	-62.319	.25
32	MP3C	Z	-35.98	.25
33	MP3C	Mx	043	.25
34	MP3C	X	-62.319	4.25
35	MP3C	Z	-35.98	4.25
36	MP3C	Mx	043	4.25
37	MP4A	X	-29.355	0
38	MP4A	Z	-16.948	0
39	MP4A	Mx	.015	0
40	MP4A	X	-29.355	1
41	MP4A	Z	-16.948	1
42	MP4A	Mx	.015	1
43	MP4B	X	-53.998	0
44	MP4B	Z	-31.176	0
45	MP4B	Mx	0	0
46	MP4B	X	-53.998	1
47	MP4B	Z	-31.176	1
48	MP4B	Mx	0	1
49	MP4C	X	-22.131	0
50	MP4C	Z	-12.777	0
51	MP4C	Mx	013	0
52	MP4C	X	-22.131	1
53	MP4C	Z	-12.777	1
54	MP4C	Mx	013	1
55	MP4A	X	-8.12	4
56	MP4A	Z	-4.688	4
57	MP4A	Mx	.004	4
58	MP4B	X	-20.45	4
59	MP4B	Z	-11.807	4
60	MP4B	Mx	0	4
61	MP4C	X	-4.506	4
62	MP4C	Z	-2.602	4
63	MP4C	Mx	003	4
64	OVPA	X	-65.005	2
65	OVPA	Z	-37.53	2
66	OVPA	Mx	0	2
67	MP2A	X	-28.191	3
68	MP2A	Z	-16.276	3
69	MP2A	Mx	014	3
70	MP2B	X Z	-42.969	3
71	MP2B		-24.808	3
72	MP2B	Mx	0	3
73	MP2C	X Z	-23.859	3 3
74	MP2C		-13.775	3
75	MP2C	Mx	.014	3
76	MP3A	X Z		3
77	MP3A	Mx	-18.639	3 3
78 79	MP3A MP3B	X	016 -42.969	3
80	MP3B	Z	-42.969	3
81	MP3B		-24.808	3
		Mx		3
82	MP3C	X	-29.152	3



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP3C	Z	-16.831	3
84	MP3C	Mx	.017	3
85	MP1B	X	-45.28	.5
86	MP1B	Z	-26.143	.5
87	MP1B	Mx	013	.5
88	MP1B	X	-45.28	3.5
89	MP1B	Z	-26.143	3.5
90	MP1B	Mx	013	3.5
91	MP5B	X	-45.28	.5
92	MP5B	Z	-26.143	.5
93	MP5B	Mx	013	.5
94	MP5B	X	-45.28	3.5
95	MP5B	Z	-26.143	3.5
96	MP5B	Mx	013	3.5
97	MP1A	X	-41.53	.5
98	MP1A	Z	-23.978	.5
99	MP1A	Mx	.024	.5
100	MP1A	X	-41.53	3.5
101	MP1A	Z	-23.978	3.5
102	MP1A	Mx	.024	3.5
103	MP1C	X	-47.693	.5
104	MP1C	Z	-27.536	.5
105	MP1C	Mx	014	.5
106	MP1C	X	-47.693	3.5
107	MP1C	Z	-27.536	3.5
108	MP1C	Mx	014	3.5
109	MP5A	X	-41.53	.5
110	MP5A	Z	-23.978	.5
111	MP5A	Mx	.024	.5
112	MP5A	X	-41.53	3.5
113	MP5A	Z	-23.978	3.5
114	MP5A	Mx	.024	3.5
115	MP5C	X	-47.693	.5
116	MP5C	Z	-27.536	.5
117	MP5C	Mx	014	.5
118	MP5C	X	-47.693	3.5
119	MP5C	Z	-27.536	3.5
120	MP5C	Mx	014	3.5
121	OVPB	X	-65.005	2
122	OVPB	Z	-37.53	2
123	OVPB	Mx	0	2
124	OVPC	X	-65.005	2
125	OVPC	Z	-37.53	2
126	OVPC	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3B	X	-65.475	.25
2	MP3B	Z	-113.405	.25
3	MP3B	Mx	062	.25
4	MP3B	X	-65.475	4.25
5	MP3B	Z	-113.405	4.25
6	MP3B	Mx	062	4.25
7	MP3B	X	-65.475	.25
8	MP3B	Z	-113.405	.25
9	MP3B	Mx	.127	.25
10	MP3B	X	-65.475	4.25
11	MP3B	Z	-113.405	4.25



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

			Manuskud alla la #1	L ti Fft 0/1
12	Member Label MP3B	Direction Mx	Magnitude[lb,k-ft] .127	Location[ft,%] 4.25
13	MP3A	X	-49.055	.25
14	MP3A	Z	-84.966	.25
15	MP3A	Mx	.074	.25
16	MP3A	X	-49.055	4.25
17	MP3A	Z	-84.966	4.25
18	MP3A	Mx	.074	4.25
19	MP3C	X	-37.557	.25
20	MP3C	Z	-65.05	.25
21	MP3C	Mx	05	.25
22	MP3C	X	-37.557	4.25
23	MP3C	Z	-65.05	4.25
24	MP3C	Mx	05	4.25
25	MP3A	X	-49.055	.25
26	MP3A	Z	-84.966	.25
27	MP3A	Mx	025	.25
28	MP3A	X	-49.055	4.25
29	MP3A	Z	-49.055 -84.966	4.25
30	MP3A	Mx	-04.900 025	
31	MP3C	X	-37.557	4.25 .25
		Z		
32	MP3C MP3C		-65.05	.25
33		Mx	02 -37.557	.25
	MP3C	X		4.25
35	MP3C	Z	-65.05	4.25
36	MP3C	Mx	02	4.25
37	MP4A	X	-26.433	0
38	MP4A		-45.784	0
39	MP4A	Mx	.013	0
40	MP4A	X	-26.433	1
41	MP4A	Z	-45.784	1
42	MP4A	Mx	.013	1
43	MP4B	X	-26.433	0
44	MP4B	Z	-45.784	0
45	MP4B	Mx	.013	0
46	MP4B	X	-26.433	1
47	MP4B	Z	-45.784	1
48	MP4B	Mx	.013	1
49	MP4C	X	-14.424	0
50	MP4C	Z	-24.984	0
51	MP4C	Mx	014	0
52	MP4C	X	-14.424	1
53	MP4C	Z	-24.984	1
54	MP4C	Mx	014	1
55	MP4A	X	-9.434	4
56	MP4A	Z	-16.34	4
57	MP4A	Mx	.005	4
58	MP4B	X	-9.434	4
59	MP4B	Z	-16.34	4
60	MP4B	Mx	.005	4
61	MP4C	X	-3.426	4
62	MP4C	Z	-5.934	4
63	MP4C	Mx	003	4
64	OVPA	X	-46.03	2
65	OVPA	Z	-79.726	2
66	OVPA	Mx	0	2
67	MP2A	X	-21.964	3
68	MP2A	Z	-38.043	3
69	MP2A	Mx	011	3
70	MP2B	X	-21.964	3



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP2B	Z	-38.043	3
72	MP2B	Mx	011	3
73	MP2C	X	-14.763	3
74	MP2C	Z	-25.57	3
75	MP2C	Mx	.014	3
76	MP3A	X	-22.752	3
77	MP3A	Z	-39.407	3
78	MP3A	Mx	011	3
79	MP3B	X	-22.752	3
80	MP3B	Z	-39.407	3
81	MP3B	Mx	011	3
82	MP3C	X	-17.545	3
83	MP3C	Z	-30.389	3
84	MP3C	Mx	.016	3
85	MP1B	X	-26.864	.5
86	MP1B	Z	-46.53	.5
87	MP1B	Mx	0	.5
88	MP1B	X	-26.864	3.5
89	MP1B	Z	-46.53	3.5
90	MP1B	Mx	0	3.5
91	MP5B	X	-26.864	.5
92	MP5B	Z	-46.53	.5
93	MP5B	Mx	0	.5
94	MP5B	X	-26.864	3.5
95	MP5B	Z	-26.53	3.5
			0	
96 97	MP5B	Mx	-25.164	3.5
98	MP1A MP1A	X	-23.164	.5 .5
99	MP1A	Mx	.022	.5
	MP1A			3.5
100		X Z	-25.164	3.5
102	MP1A MP1A	Mx	-43.585 .022	3.5
103	MP1C	X	-25.164	.5
104	MP1C		-43.585	.5 .5
105	MP1C	Mx	022	3.5
106	MP1C	X	-25.164	
107	MP1C		-43.585	3.5
108	MP1C	Mx	022	3.5
109	MP5A	X	-25.164	.5 .5
110	MP5A		-43.585	
111	MP5A	Mx	.022	.5
112	MP5A	X	-25.164	3.5
113	MP5A	Z	-43.585	3.5
114	MP5A	Mx	.022	3.5
115	MP5C	X	-25.164	.5
116	MP5C	Z	-43.585	.5
117	MP5C	Mx	022	.5
118	MP5C	X	-25.164	3.5
119	MP5C	Z	-43.585	3.5
120	MP5C	Mx	022	3.5
121	OVPB	X	-46.03	2
122	OVPB	Z	-79.726	2
123	OVPB	Mx	0	2
124	OVPC	X	-46.03	2
125	OVPC	Z	-79.726	2
126	OVPC	Mx	0	2

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



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3B	X	0	.25
2	MP3B	Z	-17.757	.25
3	MP3B	Mx	.00029	.25
4	MP3B	X	0	4.25
5	MP3B	Z	-17.757	4.25
6	MP3B	Mx	.00029	4.25
7	MP3B	X	0	.25
8	MP3B	Z	-17.757	.25
9	MP3B	Mx	.015	.25
10	MP3B	X	0	4.25
11	MP3B	Z	-17.757	4.25
12	MP3B	Mx	.015	4.25
13	MP3A	X	0	.25
14	MP3A	Z	-20.719	.25
15	MP3A	Mx	.012	.25
16	MP3A	X	0	4.25
17	MP3A	Z	-20.719	4.25
18	MP3A	Mx	.012	4.25
19	MP3C	X	0	.25
20	MP3C	Z	-18.043	.25
21	MP3C	Mx	014	.25
22	MP3C	X	0	4.25
23	MP3C	Z	-18.043	4.25
24	MP3C	Mx	014	4.25
25	MP3A	X	0	.25
26	MP3A	Z	-20.719	.25
27	MP3A	Mx	012	.25
28	MP3A	X	0	4.25
29	MP3A	Z	-20.719	4.25
30	MP3A	Mx	012	4.25
31	MP3C	X	0	.25
32	MP3C	Z	-18.043	.25
33	MP3C	Mx	.002	.25
34	MP3C	X	0	4.25
35	MP3C	Z	-18.043	4.25
36	MP3C	Mx	.002	4.25
37	MP4A	X	0	0
38	MP4A	Z	-12.324	0
39	MP4A	Mx	0	0
40	MP4A	X	0	1
41	MP4A	Z	-12.324	1
42	MP4A	Mx	0	1
43	MP4B	X	0	0
44	MP4B	Z	-6.992	0
45	MP4B	Mx	.003	0
46	MP4B	X	0	1
47	MP4B	Z	-6.992	1
48	MP4B	Mx	.003	1
49	MP4C	X	0	0
50	MP4C	Z	-9.387	0
51	MP4C	Mx	003	0
52	MP4C	X	0	1
53	MP4C	Z	-9.387	1
54	MP4C	Mx	003	1
55	MP4A	X	0	4
56	MP4A	Z	-5.3	4
57	MP4A	Mx	0	4
58	MP4B	X	0	4
59	MP4B	Z	-2.464	4



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

	Marshard abol			L K FM 0/1
60	Member Label MP4B	Direction Mx	Magnitude[lb,k-ft]	Location[ft,%]
61	MP4C		.001	4 4
		X Z	-3.738	
62	MP4C			4
63	MP4C	Mx	001	4
64	OVPA OVPA	X	0	2
65	OVPA	Z	-19.979	2
66	OVPA	Mx	0	2
67	MP2A	X	0	3
68	MP2A		-10.342	3
69	MP2A	Mx	0	3
70	MP2B	X	0	3
71	MP2B	Z	-7.061	3
72	MP2B	Mx	003	3
73	MP2C	X	0	3
74	MP2C	Z	-8.535	3
75	MP2C	Mx	.003	3
76	MP3A	X	0	3
77	MP3A	Z	-10.342	3
78	MP3A	Mx	0	3
79	MP3B	X	0	3
80	MP3B	Z	-7.965	3
81	MP3B	Mx	003	3
82	MP3C	X	0	3
83	MP3C	Z	-9.033	3
84	MP3C	Mx	.003	3
85	MP1B	X	0	.5
86	MP1B	Z	-10.494	.5
87	MP1B	Mx	.003	.5
88	MP1B	X	0	3.5
89	MP1B	Z	-10.494	3.5
90	MP1B	Mx	.003	3.5
91	MP5B	X	0	.5
92	MP5B	Z	-10.494	.5
93	MP5B	Mx	.003	.5
94	MP5B	X	0	3.5
95	MP5B	Z	-10.494	3.5
96	MP5B	Mx	.003	3.5
97	MP1A	X	0	.5
98	MP1A	Z	-11.026	.5
99	MP1A	Mx	.003	.5
100	MP1A	X	0	3.5
101	MP1A	Z	-11.026	3.5
102	MP1A	Mx	.003	3.5
103	MP1C	X	0	.5
104	MP1C	Z	-9.695	.5
105	MP1C	Mx	005	.5
106	MP1C	X	0	3.5
107	MP1C	Z	-9.695	3.5
108	MP1C	Mx	005	3.5
109	MP5A	X	0	.5
110	MP5A	Z	-11.026	.5
111	MP5A	Mx	.003	.5
112	MP5A	X	0	3.5
113	MP5A	Z	-11.026	3.5
114	MP5A	Mx	.003	3.5
115	MP5C	X	0	.5
116	MP5C	Z	-9.695	.5
117	MP5C	Mx	005	.5
118	MP5C	X	0	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
119	MP5C	Z	-9.695	3.5
120	MP5C	Mx	005	3.5
121	OVPB	X	0	2
122	OVPB	Z	-19.979	2
123	OVPB	Mx	0	2
124	OVPC	X	0	2
125	OVPC	Z	-19.979	2
126	OVPC	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3B	X	7.051	.25
2	MP3B	Z	-12.213	.25
3	MP3B	Mx	.007	.25
4	MP3B	X	7.051	4.25
5	MP3B	Z	-12.213	4.25
6	MP3B	Mx	.007	4.25
7	MP3B	X	7.051	.25
8	MP3B	Z	-12.213	.25
9	MP3B	Mx	.007	.25
10	MP3B	X	7.051	4.25
11	MP3B	Z	-12.213	4.25
12	MP3B	Mx	.007	4.25
13	MP3A	X	9.55	.25
14	MP3A	Z	-16.541	.25
15	MP3A	Mx	.005	.25
16	MP3A	X	9.55	4.25
17	MP3A	Z	-16.541	4.25
18	MP3A	Mx	.005	4.25
19	MP3C	X	10.262	.25
20	MP3C	Z	-17.774	.25
21	MP3C	Mx	014	.25
22	MP3C	X	10.262	4.25
23	MP3C	Z	-17.774	4.25
24	MP3C	Mx	014	4.25
25	MP3A	X	9.55	.25
26	MP3A	Z	-16.541	.25
27	MP3A	Mx	014	.25
28	MP3A	X	9.55	4.25
29	MP3A	Z	-16.541	4.25
30	MP3A	Mx	014	4.25
31	MP3C	X	10.262	.25
32	MP3C	Z	-17.774	.25
33	MP3C	Mx	.01	.25
34	MP3C	X	10.262	4.25
35	MP3C	Z	-17.774	4.25
36	MP3C	Mx	.01	4.25
37	MP4A	X	5.273	0
38	MP4A	Z	-9.134	0
39	MP4A	Mx	003	0
40	MP4A	X	5.273	1
41	MP4A	Z	-9.134	1
42	MP4A	Mx	003	1
43	MP4B	X	2.608	0
44	MP4B	Z	-4.516	0
45	MP4B	Mx	.003	0
46	MP4B	X	2.608	1
47	MP4B	Z	-4.516	1
77	טד וועו		-4.010	<u> </u>



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

Michi	ber Point Loads (BLC 10 .			
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP4B	Mx	.003	1
49	MP4C	X	6.055	0
50	MP4C	Z	-10.487	0
51	MP4C	Mx	001	0
52	MP4C	X	6.055	1
53	MP4C	Z	-10.487	1
54	MP4C	Mx	001	1
55	MP4A	X	2.177	4
56	MP4A	Z	-3.771	4
57	MP4A	Mx	001	4
58	MP4B	X	.759	4
59	MP4B	Z	-1.315	4
60	MP4B	Mx	.000759	4
61	MP4C	X	2.593	4
62	MP4C	Z	-4.491	4
63	MP4C	Mx	00045	4
64	OVPA OV/PA	X	9.196	2
65	OVPA OV/PA	Z	-15.927	2 2
66	OVPA	Mx	0	2
67	MP2A	X	4.624	3
68	MP2A	Z	-8.01	3
69	MP2A	Mx	.002	3
70	MP2B	X	2.984	3
71	MP2B	Z	-5.168	3
72	MP2B	Mx	003	3
73	MP2C	X	5.105	3
74	MP2C	Z	-8.843	3
75	MP2C	Mx	.000887	3
76	MP3A	X	4.775	3
77	MP3A	Z	-8.27	3
78	MP3A	Mx	.002	3
79	MP3B	X	3.586	3
80	MP3B	Z	-6.211	3
81	MP3B	Mx	004	3
82	MP3C	X	5.123	3
83	MP3C	Z	-8.874	3
84	MP3C	Mx	.00089	3
85	MP1B	X	4.981	.5
86	MP1B	Z	-8.627	.5
87	MP1B MP1B	Mx	.004 4.981	.5 3.5
88 89		X Z	-8.627	
	MP1B			3.5
90 91	MP1B MP5B	Mx	.004 4.981	3.5
91	MP5B	X Z	-8.627	.5
93	MP5B	Mx	.004	.5
93	MP5B	X	4.981	3.5
95	MP5B	Z	-8.627	3.5
96	MP5B	Mx	.004	3.5
97	MP1A	X	5.735	.5
98	MP1A	Z	-9.933	.5
99	MP1A	Mx	-9.933	.5
100	MP1A	X	5.735	3.5
101	MP1A	Z	-9.933	3.5
102	MP1A	Mx	-9.933	3.5
102	MP1C	X	5.069	.5
103	MP1C	Z	-8.78	.5
105	MP1C	Mx	004	.5
106	MP1C	X	5.069	3.5
100	IVIT TO	^	5.008	0.0



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
107	MP1C	Z	-8.78	3.5
108	MP1C	Mx	004	3.5
109	MP5A	X	5.735	.5
110	MP5A	Z	-9.933	.5
111	MP5A	Mx	0	.5
112	MP5A	X	5.735	3.5
113	MP5A	Z	-9.933	3.5
114	MP5A	Mx	0	3.5
115	MP5C	X	5.069	.5
116	MP5C	Z	-8.78	.5
117	MP5C	Mx	004	.5
118	MP5C	X	5.069	3.5
119	MP5C	Z	-8.78	3.5
120	MP5C	Mx	004	3.5
121	OVPB	X	9.196	2
122	OVPB	Z	-15.927	2
123	OVPB	Mx	0	2
124	OVPC	X	9.196	2
125	OVPC	Z	-15.927	2
126	OVPC	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3B	X Z	15.378	.25
2	MP3B		-8.878	.25
3	MP3B	Mx	.015	.25
4	MP3B	X	15.378	4.25
5	MP3B	Z	-8.878	4.25
6	MP3B	Mx	.015	4.25
7	MP3B	X	15.378	.25
8	MP3B	Z	-8.878	.25
9	MP3B	Mx	.00029	.25
10	MP3B	X	15.378	4.25
11	MP3B	Z	-8.878	4.25
12	MP3B	Mx	.00029	4.25
13	MP3A	Х	13.737	.25
14	MP3A	Z	-7.931	.25
15	MP3A	Mx	002	.25
16	MP3A	X	13.737	4.25
17	MP3A	Z	-7.931	4.25
18	MP3A	Mx	002	4.25
19	MP3C	X	17.287	.25
20	MP3C	Z	-9.981	.25
21	MP3C	Mx	008	.25
22	MP3C	X	17.287	4.25
23	MP3C	Z	-9.981	4.25
24	MP3C	Mx	008	4.25
25	MP3A	Х	13.737	.25
26	MP3A	Z	-7.931	.25
27	MP3A	Mx	011	.25
28	MP3A	X	13.737	4.25
29	MP3A	Z	-7.931	4.25
30	MP3A	Mx	011	4.25
31	MP3C	X	17.287	.25
32	MP3C	Z	-9.981	.25
33	MP3C	Mx	.014	.25
34	MP3C	X	17.287	4.25
35	MP3C	Z	-9.981	4.25



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

	ber rome Loads (BLO 17 :			
36	Member Label MP3C	Direction Mx	Magnitude[lb,k-ft]	Location[ft,%]
37	MP4A		.014 6.056	4.25
		X Z		0
38	MP4A		-3.496	0
39	MP4A	Mx	003	0
40	MP4A	X	6.056	1
41	MP4A	Z	-3.496	1
42	MP4A	Mx	003	1
43	MP4B	X	6.056	0
44	MP4B		-3.496	0
45	MP4B	Mx	.003	0
46	MP4B	X	6.056	1
47	MP4B	Z	-3.496	1
48	MP4B	Mx	.003	1
49	MP4C	X	9.953	0
50	MP4C	Z	-5.746	0
51	MP4C	Mx	.002	0
52	MP4C	X	9.953	1
53	MP4C	Z	-5.746	1
54	MP4C	Mx	.002	1
55	MP4A	X	2.134	4
56	MP4A	Z	-1.232	4
57	MP4A	Mx	001	4
58	MP4B	X	2.134	4
59	MP4B	Z	-1.232	4
60	MP4B	Mx	.001	4
61	MP4C	X	4.207	4
62	MP4C	Z	-2.429	4
63	MP4C	Mx	.000831	4
64	OVPA	X	13.176	2
65	OVPA	Z	-7.607	2
66	OVPA	Mx	0	2
67	MP2A	X	6.115	3
68	MP2A	Z	-3.531	3
69	MP2A	Mx	.003	3
70	MP2B	X	6.115	3
71	MP2B	Z	-3.531	3
72	MP2B	Mx	003	3
73	MP2C	X	8.514	3
74	MP2C	Z	-4.915	3
75	MP2C	Mx	002	3
76	MP3A	X	6.898	3
77	MP3A	Z	-3.982	3
78	MP3A	Mx	.003	3
79	MP3B	X	6.898	3
80	MP3B	Z	-3.982	3
81	MP3B	Mx	003	3
82	MP3C	X	8.636	3
83	MP3C	Z	-4.986	3
84	MP3C	Mx	002	3
85	MP1B	X	8.396	.5
86	MP1B	Z	-4.847	.5
87	MP1B	Mx	.005	.5
88	MP1B	X	8.396	3.5
89	MP1B	Z	-4.847	3.5
90	MP1B	Mx	.005	3.5
91	MP5B	X	8.396	.5
91	MP5B	Z	-4.847	.5
			.005	
93	MP5B	Mx		.5
94	MP5B	X	8.396	3.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP5B	Z	-4.847	3.5
96	MP5B	Mx	.005	3.5
97	MP1A	X	9.549	.5
98	MP1A	Z	-5.513	.5
99	MP1A	Mx	003	.5
100	MP1A	X	9.549	3.5
101	MP1A	Z	-5.513	3.5
102	MP1A	Mx	003	3.5
103	MP1C	X	9.549	.5
104	MP1C	Z	-5.513	.5
105	MP1C	Mx	003	.5
106	MP1C	X	9.549	3.5
107	MP1C	Z	-5.513	3.5
108	MP1C	Mx	003	3.5
109	MP5A	X	9.549	.5
110	MP5A	Z	-5.513	.5
111	MP5A	Mx	003	.5
112	MP5A	X	9.549	3.5
113	MP5A	Z	-5.513	3.5
114	MP5A	Mx	003	3.5
115	MP5C	X	9.549	.5
116	MP5C	Z	-5.513	.5
117	MP5C	Mx	003	.5
118	MP5C	X	9.549	3.5
119	MP5C	Z	-5.513	3.5
120	MP5C	Mx	003	3.5
121	OVPB	Χ	13.176	2
122	OVPB	Z	-7.607	2
123	OVPB	Mx	0	2
124	OVPC	X	13.176	2
125	OVPC	Z	-7.607	2
126	OVPC	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3B	X	25.067	.25
2	MP3B	Z	0	.25
3	MP3B	Mx	.024	.25
4	MP3B	X	25.067	4.25
5	MP3B	Z	0	4.25
6	MP3B	Mx	.024	4.25
7	MP3B	X	25.067	.25
8	MP3B	Z	0	.25
9	MP3B	Mx	012	.25
10	MP3B	X	25.067	4.25
11	MP3B	Z	0	4.25
12	MP3B	Mx	012	4.25
13	MP3A	X	14.243	.25
14	MP3A	Z	0	.25
15	MP3A	Mx	007	.25
16	MP3A	X	14.243	4.25
17	MP3A	Z	0	4.25
18	MP3A	Mx	007	4.25
19	MP3C	X	16.919	.25
20	MP3C	Z	0	.25
21	MP3C	Mx	.000136	.25
22	MP3C	X	16.919	4.25
23	MP3C	Z	0	4.25

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

7070777	ber Politi Loads (BLC 16 :	mintomia mi joo	Deg// (Continued)	
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP3C	Mx	.000136	4.25
25	MP3A	X	14.243	.25
26	MP3A	Z	0	.25
27	MP3A	Mx	007	.25
28	MP3A	X	14.243	4.25
29	MP3A	Z	0	4.25
30	MP3A	Mx	007	4.25
31	MP3C	X	16.919	.25
32	MP3C	Z	0	.25
33	MP3C	Mx	.013	.25
34	MP3C	X	16.919	4.25
35	MP3C	Z	0	4.25
36	MP3C	Mx	.013	4.25
37	MP4A	X	5.215	0
38	MP4A	Z	0	0
39	MP4A	Mx	003	0
40	MP4A	X	5.215	1
41	MP4A	Z	0	1
42	MP4A	Mx	003	1
43	MP4B	X	10.547	0
44	MP4B	Z	0	0
45	MP4B	Mx	.003	0
46	MP4B	X	10.547	1
47	MP4B	Z	0	1
48	MP4B	Mx	.003	1
49	MP4C	X	8.152	0
50	MP4C	Z	0	0
51	MP4C	Mx	.003	0
52	MP4C	X	8.152	1
53	MP4C	Z	0	1
54	MP4C	Mx	.003	1
55	MP4A	X	1.519	4
56	MP4A	Z	0	4
57	MP4A	Mx	000759	4
58	MP4B	X	4.355	4
59	MP4B	Z	0	4
60	MP4B	Mx	.001	4
61	MP4C	X	3.081	4
62	MP4C	Z	0	4
63	MP4C	Mx	.001	4
64	OVPA	X	13.626	2
65	OVPA	Z	0	2
66	OVPA	Mx	0	2
67	MP2A	IVIX	5.967	3
68	MP2A	X Z	0	3
69	MP2A	Mx	.003	3
70	MP2B	X	9.249	3
71	MP2B	Z	9.249	3
72	MP2B	Mx	002	3 3
73	MP2C	X	7.775	3
		Z		3
74	MP2C		0	3
75	MP2C	Mx	003	3 3 3
76	MP3A	X	7.172	3
77	MP3A	Z	0	3
78	MP3A	Mx	.004	3
79	MP3B	X	9.55	3
80	MP3B	Z	0	3
81	MP3B	Mx	002	3
82	MP3C	X	8.482	3



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP3C	Z	0	3
84	MP3C	Mx	003	3
85	MP1B	Χ	9.961	.5
86	MP1B	Z	0	.5
87	MP1B	Mx	.004	.5
88	MP1B	Χ	9.961	3.5
89	MP1B	Z	0	3.5
90	MP1B	Mx	.004	3.5
91	MP5B	X	9.961	.5
92	MP5B	Z	0	.5
93	MP5B	Mx	.004	.5
94	MP5B	Χ	9.961	3.5
95	MP5B	Z	0	3.5
96	MP5B	Mx	.004	3.5
97	MP1A	X	10.138	.5
98	MP1A	Z	0	.5
99	MP1A	Mx	004	.5
100	MP1A	Χ	10.138	3.5
101	MP1A	Z	0	3.5
102	MP1A	Mx	004	3.5
103	MP1C	X	11.47	.5
104	MP1C	Z	0	.5
105	MP1C	Mx	0	.5
106	MP1C	Χ	11.47	3.5
107	MP1C	Z	0	3.5
108	MP1C	Mx	0	3.5
109	MP5A	X	10.138	.5
110	MP5A	Z	0	.5
111	MP5A	Mx	004	.5
112	MP5A	Χ	10.138	3.5
113	MP5A	Z	0	3.5
114	MP5A	Mx	004	3.5
115	MP5C	Χ	11.47	.5
116	MP5C	Z	0	.5
117	MP5C	Mx	0	.5
118	MP5C	Χ	11.47	3.5
119	MP5C	Z	0	3.5
120	MP5C	Mx	0	3.5
121	OVPB	X	13.626	2
122	OVPB	Z	0	2
123	OVPB	Mx	0	2
124	OVPC	Χ	13.626	2
125	OVPC	Z	0	2
126	OVPC	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3B	X	24.874	.25
2	MP3B	Z	14.361	.25
3	MP3B	Mx	.024	.25
4	MP3B	X	24.874	4.25
5	MP3B	Z	14.361	4.25
6	MP3B	Mx	.024	4.25
7	MP3B	X	24.874	.25
8	MP3B	Z	14.361	.25
9	MP3B	Mx	024	.25
10	MP3B	X	24.874	4.25
11	MP3B	Z	14.361	4.25



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

	ber I omit Loads (BLO 15 :			
40	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP3B	Mx	024	4.25
13	MP3A	X	13.737	.25
14	MP3A	Z	7.931	.25
15	MP3A	Mx	011	.25
16	MP3A	X	13.737	4.25
17	MP3A	Z	7.931	4.25
18	MP3A	Mx	011	4.25
19	MP3C	X	12.504	.25
20	MP3C	Z	7.219	.25
21	MP3C	Mx	.006	.25
22	MP3C	X	12.504	4.25
23	MP3C	Z	7.219	4.25
24	MP3C	Mx	.006	4.25
25	MP3A	X	13.737	.25
26	MP3A	Z	7.931	.25
27	MP3A	Mx	002	.25
28	MP3A	X	13.737	4.25
29	MP3A	Z	7.931	4.25
30	MP3A	Mx	002	4.25
31	MP3C	X	12.504	.25
32	MP3C	Z	7.219	.25
33	MP3C	Mx	.009	.25
34	MP3C	X	12.504	4.25
35	MP3C	Z	7.219	4.25
36	MP3C	Mx	.009	4.25
37	MP4A	X	6.056	0
38	MP4A	Z	3.496	0
39	MP4A	Mx	003	0
40	MP4A	X	6.056	1
41	MP4A	Z	3.496	1
42	MP4A	Mx	003	1
43	MP4B	X	10.673	0
44	MP4B	Z	6.162	0
45	MP4B MP4B	Mx	0	0
46	MP4B MP4B	X	10.673	1
47	MP4B MP4B	Z	6.162	1
48	MP4B	Mx	0.162	1
	MP4C			0
49		X	4.702 2.715	
50	MP4C			0
51	MP4C	Mx	.003	0
52	MP4C	X	4.702	•
53	MP4C	Z	2.715	1
54	MP4C	Mx	.003	1
55	MP4A	X	2.134	4
56	MP4A	Z	1.232	4
57	MP4A	Mx	001	4
58	MP4B	X	4.59	4
59	MP4B	Z	2.65	4
60	MP4B	Mx	0	4
61	MP4C	X	1.414	4
62	MP4C	Z	.816	4
63	MP4C	Mx	.000804	4
64	OVPA	X	13.176	2
65	OVPA	Z	7.607	2
66	OVPA	Mx	0	2
67	MP2A	X	6.115	3 3
68	MP2A	Z	3.531	
69	MP2A	Mx	.003	3
70	MP2B	X	8.957	3



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP2B	Z	5.171	3
72	MP2B	Mx	0	3
73	MP2C	X	5.282	3
74	MP2C	Z	3.05	3
75	MP2C	Mx	003	3
76	MP3A	X	6.898	3
77	MP3A	Z	3.982	3
78	MP3A	Mx	.003	3
79	MP3B	X	8.957	3
80	MP3B	Z	5.171	3
81	MP3B	Mx	0	3
82	MP3C	X	6.294	3
83	MP3C	Z	3.634	3
84	MP3C	Mx	004	3
85	MP1B	X	9.088	.5
86	MP1B	Z	5.247	.5
87	MP1B	Mx	.003	.5
88	MP1B	X	9.088	3.5
89	MP1B	Z	5.247	3.5
90	MP1B	Mx	.003	3.5
91	MP5B	X	9.088	.5
92	MP5B	Z	5.247	.5
93	MP5B	Mx	.003	.5
94	MP5B	X	9.088	3.5
95	MP5B	Z	5.247	3.5
96	MP5B	Mx	.003	3.5
97	MP1A		8.396	.5
98	MP1A	X Z	4.847	.5
99	MP1A	Mx	005	.5
100	MP1A	X	8.396	3.5
101	MP1A	Z	4.847	3.5
102	MP1A	Mx	005	3.5
103	MP1C	X	9.549	.5
104	MP1C	Z	5.513	.5
105	MP1C	Mx	.003	.5
106	MP1C	X	9.549	3.5
107	MP1C	Z	5.513	3.5
108	MP1C	Mx	.003	3.5
109	MP5A	X	8.396	.5
110	MP5A	Z	4.847	.5
111	MP5A	Mx	005	.5
112	MP5A	X	8.396	3.5
113	MP5A	Z	4.847	3.5
114	MP5A	Mx	005	3.5
115	MP5C	X	9.549	.5
116	MP5C	Z	5.513	.5
117	MP5C	Mx	.003	.5
118	MP5C	X	9.549	3.5
119	MP5C	Z	5.513	3.5
120	MP5C	Mx	.003	3.5
121	OVPB	X	13.176	2
122	OVPB	Z	7.607	2
123	OVPB	Mx	0	2
124	OVPC	X	13.176	2 2
125	OVPC	Z	7.607	2
126	OVPC	Mx	0	2

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



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

	Ber Tomit Loads (BLO 20 :		3 // (
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3B	X	12.533	.25
2	MP3B	Z	21.709	.25
3	MP3B	Mx	.012	.25
4	MP3B	X	12.533	4.25
5	MP3B	Z	21.709	4.25
6	MP3B	Mx	.012	4.25
7	MP3B	X	12.533	.25
8	MP3B	Z	21.709	.25
9	MP3B	Mx	024	.25
10	MP3B	X	12.533	4.25
11	MP3B	Z	21.709	4.25
12	MP3B	Mx	024	4.25
13	MP3A	X	9.55	.25
14	MP3A	Z	16.541	.25
15	MP3A	Mx	014	.25
16	MP3A	X	9.55	4.25
17	MP3A	Z	16.541	4.25
18	MP3A	Mx	014	4.25
19	MP3C	X	7.5	.25
20	MP3C	Z	12.991	.25
21	MP3C	Mx	.01	.25
22	MP3C	X	7.5	4.25
23	MP3C	Z	12.991	4.25
24	MP3C	Mx	.01	4.25
25	MP3A	X	9.55	.25
26	MP3A		16.541	.25
27	MP3A	Mx	.005	.25
28	MP3A	X	9.55	4.25
29	MP3A	Z	16.541	4.25
30	MP3A	Mx	.005	4.25
31	MP3C	X	7.5	.25
32	MP3C	Z	12.991	.25
33	MP3C	Mx	.004	.25
34	MP3C	X	7.5	4.25
35	MP3C	Z	12.991	4.25
36	MP3C	Mx	.004	4.25
37	MP4A	X	5.273	0
38	MP4A	Z	9.134	0
39	MP4A	Mx	003	0
40	MP4A	X	5.273	1
41	MP4A	Z	9.134	1
42	MP4A	Mx	003	1
43	MP4B	X	5.273	0
	MP4B	Z		
44			9.134	0
45	MP4B	Mx	003	0
46	MP4B	X	5.273	1
47	MP4B	Z	9.134	1
48	MP4B	Mx	003	1
49	MP4C	X	3.023	0
50	MP4C	Z	5.237	0
51	MP4C	Mx	.003	0
52	MP4C	X	3.023	1
53	MP4C	Z	5.237	1
54	MP4C	Mx	.003	1
55	MP4A	X	2.177	4
56	MP4A	Z	3.771	4
57	MP4A	Mx	001	4
58	MP4B	X	2.177	4
59	MP4B	Z		4
ี อย	IVIP4D		3.771	4



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP4B	Mx	001	4
61	MP4C	X	.981	4
62	MP4C	Z	1.698	4
63	MP4C	Mx	.000921	4
64	OVPA	X	9.196	2
65	OVPA	Z	15.927	2
66	OVPA	Mx	0	2
67	MP2A	X	4.624	3
68	MP2A	Z	8.01	3
69	MP2A	Mx	.002	3
70	MP2B	X	4.624	3
71	MP2B	Z	8.01	3
72	MP2B	Mx	.002	3
73	MP2C	X	3.24	3
74	MP2C	Z	5.611	3
	MP2C	Mx	003	3
75 76	MP3A	X	4.775	3
		Z		3
77	MP3A		8.27	3 3
78	MP3A	Mx	.002	
79	MP3B	X	4.775	3
80	MP3B	Z	8.27	3
81	MP3B	Mx	.002	3
82	MP3C	X	3.772	3
83	MP3C	Z	6.532	3
84	MP3C	Mx	004	3
85	MP1B	X	5.38	.5
86	MP1B	Z	9.319	.5
87	MP1B	Mx	0	.5
88	MP1B	X	5.38	3.5
89	MP1B	Z	9.319	3.5
90	MP1B	Mx	0	3.5
91	MP5B	X	5.38	.5
92	MP5B	Z	9.319	.5
93	MP5B	Mx	0	.5
94	MP5B	X	5.38	3.5
95	MP5B	Z	9.319	3.5
96	MP5B	Mx	0	3.5
97	MP1A	X	5.069	.5
98	MP1A	Z	8.78	.5
99	MP1A	Mx	004	.5
100	MP1A	X	5.069	3.5
101	MP1A	Z	8.78	3.5
102	MP1A	Mx	004	3.5
103	MP1C	X	5.069	.5
104	MP1C	Z	8.78	.5
105	MP1C	Mx	.004	.5
106	MP1C	X	5.069	3.5
107	MP1C	Z	8.78	3.5
108	MP1C	Mx	.004	3.5
109	MP5A	X	5.069	.5
110	MP5A	Z	8.78	.5
111	MP5A	Mx	004	.5
112	MP5A	X	5.069	3.5
113	MP5A	Z	8.78	3.5
114	MP5A	Mx	004	3.5
115	MP5C	X	5.069	.5
116	MP5C	Z	8.78	.5
117	MP5C	Mx	.004	.5
118	MP5C	X	5.069	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
119	MP5C	Z	8.78	3.5
120	MP5C	Mx	.004	3.5
121	OVPB	X	9.196	2
122	OVPB	Z	15.927	2
123	OVPB	Mx	0	2
124	OVPC	X	9.196	2
125	OVPC	Z	15.927	2
126	OVPC	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3B	X	0	.25
2	MP3B	Z	17.757	.25
3	MP3B	Mx	00029	.25
4	MP3B	X	0	4.25
5	MP3B	Z	17.757	4.25
6	MP3B	Mx	00029	4.25
7	MP3B	X	0	.25
8	MP3B	Z	17.757	.25
9	MP3B	Mx	015	.25
10	MP3B	X	0	4.25
11	MP3B	Z	17.757	4.25
12	MP3B	Mx	015	4.25
13	MP3A	X	0	.25
14	MP3A	Z	20.719	.25
15	MP3A	Mx	012	.25
16	MP3A	X	0	4.25
17	MP3A	Z	20.719	4.25
18	MP3A	Mx	012	4.25
19	MP3C	X	0	.25
20	MP3C	Z	18.043	.25
21	MP3C	Mx	.014	.25
22	MP3C	X	0	4.25
23	MP3C	Z	18.043	4.25
24	MP3C	Mx	.014	4.25
25	MP3A	X	0	.25
26	MP3A	Z	20.719	.25
27	MP3A	Mx	.012	.25
28	MP3A	X	0	4.25
29	MP3A	Z	20.719	4.25
30	MP3A	Mx	.012	4.25
31	MP3C	X	0	.25
32	MP3C	Z	18.043	.25
33	MP3C	Mx	002	.25
34	MP3C	X	0	4.25
35	MP3C	Z	18.043	4.25
36	MP3C	Mx	002	4.25
37	MP4A	X	0	0
38	MP4A	Z	12.324	0
39	MP4A	Mx	0	0
40	MP4A	X	0	1
41	MP4A	Z	12.324	1
42	MP4A	Mx	0	1
43	MP4B	X	0	0
44	MP4B	Z	6.992	0
45	MP4B	Mx	003	0
46	MP4B	X	0	1
47	MP4B	Z	6.992	1



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

	Ber I Ollit Louds (BLO 21 :			
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP4B	Mx	003	1
49	MP4C	X	0	0
50	MP4C	Z	9.387	0
51	MP4C	Mx	.003	0
52	MP4C	X	0	1
53	MP4C	Z	9.387	1
54	MP4C	Mx	.003	1
55	MP4A	X	0	4
56	MP4A	Z	5.3	4
57	MP4A	Mx	0	4
58	MP4B	X	0	4
59	MP4B	Z	2.464	4
60	MP4B	Mx	001	4
61	MP4C	X	0	4
62	MP4C	Z	3.738	4
63	MP4C	Mx	.001	4
64			0	2
	OVPA	X Z		2
65	OVPA		19.979	2
66	OVPA	Mx	0	2
67	MP2A	X	0	3
68	MP2A	Z	10.342	3
69	MP2A	Mx	0	3
70	MP2B	X	0	3
71	MP2B	Z	7.061	3
72	MP2B	Mx	.003	3
73	MP2C	X	0	3
74	MP2C	Z	8.535	3
75	MP2C	Mx	003	3
76	MP3A	X	0	3
77	MP3A	Z	10.342	3
78	MP3A	Mx	0	3
79	MP3B	X	0	3
80	MP3B	Z	7.965	3
81	MP3B	Mx	.003	3
82	MP3C	X	0	3
83	MP3C	Z	9.033	3
84	MP3C	Mx	003	3
85	MP1B	X	0	.5
86	MP1B	Z	10.494	.5
87	MP1B	Mx	003	.5
88	MP1B	X	0	3.5
89	MP1B	Z	10.494	3.5
90	MP1B	Mx	003	3.5
91	MP5B	X	0	.5
92	MP5B	Z	10.494	.5
93	MP5B	Mx	003	.5
94	MP5B	X	0	3.5
95	MP5B	Z	10.494	3.5
96	MP5B	Mx	003	3.5
97	MP1A	X	0	.5
98	MP1A	Z	11.026	.5
99	MP1A	Mx	003	.5
100	MP1A	X	0	3.5
101	MP1A	Z	11.026	3.5
102	MP1A	Mx	003	3.5
103	MP1C	X	0	.5
104	MP1C	Z	9.695	.5
105	MP1C	Mx	.005	.5
106	MP1C	X	0	3.5
.00	1111 10		· · · · · · · · · · · · · · · · · · ·	0.0



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
107	MP1C	Z	9.695	3.5
108	MP1C	Mx	.005	3.5
109	MP5A	X	0	.5
110	MP5A	Z	11.026	.5
111	MP5A	Mx	003	.5
112	MP5A	X	0	3.5
113	MP5A	Z	11.026	3.5
114	MP5A	Mx	003	3.5
115	MP5C	X	0	.5
116	MP5C	Z	9.695	.5
117	MP5C	Mx	.005	.5
118	MP5C	X	0	3.5
119	MP5C	Z	9.695	3.5
120	MP5C	Mx	.005	3.5
121	OVPB	X	0	2
122	OVPB	Z	19.979	2
123	OVPB	Mx	0	2
124	OVPC	X	0	2
125	OVPC	Z	19.979	2
126	OVPC	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3B	X	-7.051	.25
2	MP3B	Z	12.213	.25
3	MP3B	Mx	007	.25
4	MP3B	X	-7.051	4.25
5	MP3B	Z	12.213	4.25
6	MP3B	Mx	007	4.25
7	MP3B	X	-7.051	.25
8	MP3B	Z	12.213	.25
9	MP3B	Mx	007	.25
10	MP3B	X	-7.051	4.25
11	MP3B	Z	12.213	4.25
12	MP3B	Mx	007	4.25
13	MP3A	X	-9.55	.25
14	MP3A	Z	16.541	.25
15	MP3A	Mx	005	.25
16	MP3A	X	-9.55	4.25
17	MP3A	Z	16.541	4.25
18	MP3A	Mx	005	4.25
19	MP3C	X	-10.262	.25
20	MP3C	Z	17.774	.25
21	MP3C	Mx	.014	.25
22	MP3C	X	-10.262	4.25
23	MP3C	Z	17.774	4.25
24	MP3C	Mx	.014	4.25
25	MP3A	X	-9.55	.25
26	MP3A	Z	16.541	.25
27	MP3A	Mx	.014	.25
28	MP3A	X	-9.55	4.25
29	MP3A	Z	16.541	4.25
30	MP3A	Mx	.014	4.25
31	MP3C	X	-10.262	.25
32	MP3C	Z	17.774	.25
33	MP3C	Mx	01	.25
34	MP3C	X	-10.262	4.25
35	MP3C	Z	17.774	4.25



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

	Marshard abol			L = == Eft 0/1
36	Member Label MP3C	Direction Mx	Magnitude[lb,k-ft]01	Location[ft,%] 4.25
37	MP4A	X	-5.273	0
38	MP4A	Z	9.134	0
39	MP4A	Mx	.003	0
40	MP4A	X	-5.273	1
41	MP4A	Z	9.134	1
42	MP4A	Mx	.003	1
43	MP4B	X	-2.608	0
44	MP4B	Z	4.516	0
45	MP4B	Mx	003	0
46	MP4B	X	-2.608	1
47	MP4B	Z	4.516	1
48	MP4B	Mx	003	1
49	MP4C	X	-6.055	0
50	MP4C	Z	10.487	0
51	MP4C	Mx	.001	0
52	MP4C	X	-6.055	1
53	MP4C	Z	10.487	1
54	MP4C	Mx	.001	1
55	MP4A	X	-2.177	4
56	MP4A	Z	3.771	4
57	MP4A	Mx	.001	4
58	MP4B	X	759	4
59	MP4B	Z	1.315	4
60	MP4B	Mx	000759	4
61	MP4C	X	-2.593	4
62	MP4C	Z	4.491	4
63	MP4C	Mx	.00045	4
64	OVPA	X	-9.196	2
65	OVPA	Z	15.927	2
66	OVPA	Mx	0	2
67	MP2A	X	-4.624	3
68	MP2A	Z	8.01	3
69	MP2A	Mx	002	3
70	MP2B	X	-2.984	3
71	MP2B	Z	5.168	3
72	MP2B	Mx	.003	3
73	MP2C	X	-5.105	3
74	MP2C	Z	8.843	3
75	MP2C	Mx	000887	3
76	MP3A	X	-4.775	3
77	MP3A	Z	8.27	3
78	MP3A	Mx	002	3
79	MP3B	X	-3.586	3
80	MP3B MP3B	Z	6.211	3
81 82	MP3B MP3C	Mx X	.004 -5.123	3 3
		Z	8.874	3
83 84	MP3C MP3C	Mx	00089	3
85	MP1B	X	-4.981	.5
86	MP1B	Z	8.627	.5
87	MP1B	Mx	004	.5
88	MP1B	X	-4.981	3.5
89	MP1B	Z	8.627	3.5
90	MP1B	Mx	004	3.5
91	MP5B	X	-4.981	.5
92	MP5B	Z	8.627	.5
93	MP5B	Mx	004	.5
94	MP5B	X	-4.981	3.5
UT	IVII OD		7,001	0.0



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP5B	Z	8.627	3.5
96	MP5B	Mx	004	3.5
97	MP1A	Χ	-5.735	.5
98	MP1A	Z	9.933	.5
99	MP1A	Mx	0	.5
100	MP1A	X	-5.735	3.5
101	MP1A	Z	9.933	3.5
102	MP1A	Mx	0	3.5
103	MP1C	X	-5.069	.5
104	MP1C	Z	8.78	.5
105	MP1C	Mx	.004	.5
106	MP1C	X	-5.069	3.5
107	MP1C	Z	8.78	3.5
108	MP1C	Mx	.004	3.5
109	MP5A	X	-5.735	.5
110	MP5A	Z	9.933	.5
111	MP5A	Mx	0	.5
112	MP5A	Χ	-5.735	3.5
113	MP5A	Z	9.933	3.5
114	MP5A	Mx	0	3.5
115	MP5C	X	-5.069	.5
116	MP5C	Z	8.78	.5
117	MP5C	Mx	.004	.5
118	MP5C	X	-5.069	3.5
119	MP5C	Z	8.78	3.5
120	MP5C	Mx	.004	3.5
121	OVPB	Χ	-9.196	2
122	OVPB	Z	15.927	2
123	OVPB	Mx	0	2
124	OVPC	Χ	-9.196	2
125	OVPC	Z	15.927	2
126	OVPC	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3B	X	-15.378	.25
2	MP3B	Z	8.878	.25
3	MP3B	Mx	015	.25
4	MP3B	X	-15.378	4.25
5	MP3B	Z	8.878	4.25
6	MP3B	Mx	015	4.25
7	MP3B	X	-15.378	.25
8	MP3B	Z	8.878	.25
9	MP3B	Mx	00029	.25
10	MP3B	X	-15.378	4.25
11	MP3B	Z	8.878	4.25
12	MP3B	Mx	00029	4.25
13	MP3A	X	-13.737	.25
14	MP3A	Z	7.931	.25
15	MP3A	Mx	.002	.25
16	MP3A	X	-13.737	4.25
17	MP3A	Z	7.931	4.25
18	MP3A	Mx	.002	4.25
19	MP3C	X	-17.287	.25
20	MP3C	Z	9.981	.25
21	MP3C	Mx	.008	.25
22	MP3C	X	-17.287	4.25
23	MP3C	Z	9.981	4.25



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

mom	ber Politi Loads (BLC 23 .	Antenna W (24)	z zeg// (gentinaca/	
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP3C	Mx	.008	4.25
25	MP3A	X	-13.737	.25
26	MP3A	Z	7.931	.25
27	MP3A	Mx	.011	.25
28	MP3A	X	-13.737	4.25
29	MP3A	Z	7.931	4.25
30	MP3A	Mx	.011	4.25
31	MP3C	X	-17.287	.25
32	MP3C	Z	9.981	.25
33	MP3C	Mx	014	.25
34	MP3C	X	-17.287	4.25
35	MP3C	Z	9.981	4.25
36	MP3C	Mx	014	4.25
37	MP4A	X	-6.056	0
38	MP4A	Z	3.496	0
39	MP4A	Mx	.003	0
40	MP4A	X	-6.056	1
41	MP4A	Z	3.496	1
42	MP4A	Mx	.003	1
43	MP4B	X	-6.056	0
44	MP4B	Z	3.496	0
45	MP4B	Mx	003	0
46	MP4B	X	-6.056	1
47	MP4B	Z	3.496	1
48	MP4B	Mx	003	1
49	MP4C	X	-9.953	0
50	MP4C	Z	5.746	0
51	MP4C	Mx	002	0
52	MP4C	X	-9.953	1
53	MP4C	Z	5.746	1
54	MP4C	Mx	002	1
55	MP4A	X	-2.134	4
56	MP4A	Z	1.232	4
57	MP4A	Mx	.001	4
58	MP4B	X	-2.134	4
59	MP4B	Z	1.232	4
60	MP4B	Mx	001	4
61	MP4C	X	-4.207	4
62	MP4C	Z	2.429	4
63	MP4C	Mx	000831	4
64	OVPA	X	-13.176	2
65	OVPA	Z	7.607	2
66	OVPA	Mx	0	2
67	MP2A	X	-6.115	3
68	MP2A	Z	3.531	3
69	MP2A	Mx	003	3
70	MP2B	X	-6.115	3
71	MP2B	Z	3.531	3
72	MP2B	Mx	.003	3 3
73	MP2C	X	-8.514	3
74	MP2C	Z	4.915	3
75	MP2C	Mx	.002	
76	MP3A	X	-6.898	3 3 3
77	MP3A	Z	3.982	3
78	MP3A	Mx	003	3
79	MP3B	X	-6.898	3
80	MP3B	Z	3.982	3
81	MP3B	Mx	.003	3
82	MP3C	X	-8.636	3
02	IVIF3C	^	-0.030	J



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP3C	Z	4.986	3
84	MP3C	Mx	.002	3
85	MP1B	X	-8.396	.5
86	MP1B	Z	4.847	.5
87	MP1B	Mx	005	.5
88	MP1B	Χ	-8.396	3.5
89	MP1B	Z	4.847	3.5
90	MP1B	Mx	005	3.5
91	MP5B	X	-8.396	.5
92	MP5B	Z	4.847	.5
93	MP5B	Mx	005	.5
94	MP5B	Χ	-8.396	3.5
95	MP5B	Z	4.847	3.5
96	MP5B	Mx	005	3.5
97	MP1A	Χ	-9.549	.5
98	MP1A	Z	5.513	.5
99	MP1A	Mx	.003	.5
100	MP1A	Χ	-9.549	3.5
101	MP1A	Z	5.513	3.5
102	MP1A	Mx	.003	3.5
103	MP1C	X	-9.549	.5
104	MP1C	Z	5.513	.5
105	MP1C	Mx	.003	.5
106	MP1C	X	-9.549	3.5
107	MP1C	Z	5.513	3.5
108	MP1C	Mx	.003	3.5
109	MP5A	X	-9.549	.5
110	MP5A	Z	5.513	.5
111	MP5A	Mx	.003	.5
112	MP5A	X	-9.549	3.5
113	MP5A	Z	5.513	3.5
114	MP5A	Mx	.003	3.5
115	MP5C	Χ	-9.549	.5
116	MP5C	Z	5.513	.5
117	MP5C	Mx	.003	.5
118	MP5C	X	-9.549	3.5
119	MP5C	Z	5.513	3.5
120	MP5C	Mx	.003	3.5
121	OVPB	X	-13.176	2
122	OVPB	Z	7.607	2
123	OVPB	Mx	0	2
124	OVPC	X	-13.176	2
125	OVPC	Z	7.607	2
126	OVPC	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3B	X	-25.067	.25
2	MP3B	Z	0	.25
3	MP3B	Mx	024	.25
4	MP3B	X	-25.067	4.25
5	MP3B	Z	0	4.25
6	MP3B	Mx	024	4.25
7	MP3B	X	-25.067	.25
8	MP3B	Z	0	.25
9	MP3B	Mx	.012	.25
10	MP3B	X	-25.067	4.25
11	MP3B	Z	0	4.25



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

mem	Der Point Loads (BLC 24)	Antenna III (2)	o Begji (Continued)	
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP3B	Mx	.012	4.25
13	MP3A	X	-14.243	.25
14	MP3A	Z	0	.25
15	MP3A	Mx	.007	.25
16	MP3A	X	-14.243	4.25
17	MP3A	Z	0	4.25
18	MP3A	Mx	.007	4.25
19	MP3C	X	-16.919	.25
20	MP3C	Z	0	.25
21	MP3C	Mx	000136	.25
22	MP3C	X	-16.919	4.25
23	MP3C	Z	0	4.25
24	MP3C	Mx	000136	4.25
25	MP3A	X	-14.243	.25
26	MP3A	Z	0	.25
27	MP3A	Mx	.007	.25
28	MP3A	X	-14.243	4.25
29	MP3A	Z	0	4.25
30	MP3A	Mx	.007	4.25
31	MP3C	X	-16.919	.25
32	MP3C	Z	0	.25
33	MP3C	Mx	013	.25
34	MP3C	X	-16.919	4.25
35	MP3C	Z	0	4.25
36	MP3C	Mx	013	4.25
37	MP4A	X	-5.215	0
38	MP4A	Z	0	0
39	MP4A	Mx	.003	0
40	MP4A	X	-5.215	1
41	MP4A	Z	0	1
42	MP4A	Mx	.003	1
43	MP4B	X	-10.547	0
44	MP4B	Z	0	0
45	MP4B	Mx	003	0
46	MP4B	X	-10.547	1
47	MP4B	Z	0	1
48	MP4B	Mx	003	1
49	MP4C	X	-8.152	0
50	MP4C	Z	0	0
51	MP4C	Mx	003	0
52	MP4C	X	-8.152	1
53	MP4C	Z	0	1
54	MP4C	Mx	003	1
55	MP4A	Y	-1.519	4
56	MP4A	X Z	-1.519	4
57	MP4A	Mx	.000759	4
58	MP4B	X	-4.355	4
59	MP4B	Z	0	4
60	MP4B	Mx	001	4
61	MP4C	X	-3.081	4
62	MP4C MP4C	Z	-3.061	4
			001	4
63	MP4C	Mx		4
64	OVPA	X Z	-13.626	2 2
65	OVPA		0	2
66	OVPA	Mx		2
67	MP2A	X	-5.967	3 3
68	MP2A	Z	0	3
69	MP2A	Mx	003	3
70	MP2B	X	-9.249	3



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP2B	Z	0	3
72	MP2B	Mx	.002	3
73	MP2C	X	-7.775	3
74	MP2C	Z	0	3
75	MP2C	Mx	.003	3
76	MP3A	X	-7.172	3
77	MP3A	Z	0	3
78	MP3A	Mx	004	3
79	MP3B	X	-9.55	3
80	MP3B	Ζ	0	3
81	MP3B	Mx	.002	3
82	MP3C	X	-8.482	3
83	MP3C	Z	0	3
84	MP3C	Mx	.003	3
85	MP1B	X	-9.961	.5
86	MP1B	Z	0	.5
87	MP1B	Mx	004	.5
88	MP1B	X	-9.961	3.5
89	MP1B	Z	0	3.5
90	MP1B	Mx	004	3.5
91	MP5B	X	-9.961	.5
92	MP5B	Z	0	.5
93	MP5B	Mx	004	.5
94	MP5B	X	-9.961	3.5
95	MP5B	Z	0	3.5
96	MP5B	Mx	004	3.5
97	MP1A		-10.138	.5
98	MP1A	X Z	0	.5
99	MP1A	Mx	.004	.5
100	MP1A	X	-10.138	3.5
101	MP1A	Z	0	3.5
102	MP1A	Mx	.004	3.5
103	MP1C	X	-11.47	.5
104	MP1C	Z	0	.5
105	MP1C	Mx	0	.5
106	MP1C	X	-11.47	3.5
107	MP1C	Z	0	3.5
108	MP1C	Mx	0	3.5
109	MP5A	X	-10.138	.5
110	MP5A	Z	0	.5
111	MP5A	Mx	.004	.5
112	MP5A	X	-10.138	3.5
113	MP5A	Z	0	3.5
114	MP5A	Mx	.004	3.5
115	MP5C	X	-11.47	.5
116	MP5C	Z	0	.5
117	MP5C	Mx	0	.5
118	MP5C	X	-11.47	3.5
119	MP5C	Z	0	3.5
120	MP5C	Mx	0	3.5
121	OVPB	X	-13.626	2
122	OVPB	Z	0	2
123	OVPB	Mx	0	2
124	OVPC	X	-13.626	2 2
125	OVPC	Z	0	2
126	OVPC	Mx	0	2
120	UVFC	IVIX	U	

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



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

wembe	r Point Loads (BLC 25	: Antenna Wi (300	Deg)) (Continuea)	
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3B	X	-24.874	.25
2	MP3B	Z	-14.361	.25
3	MP3B	Mx	024	.25
4	MP3B	X	-24.874	4.25
5	MP3B	Z	-14.361	4.25
6	MP3B	Mx	024	4.25
7	MP3B	X	-24.874	.25
8	MP3B	Z	-14.361	.25
9	MP3B	Mx	.024	.25
10	MP3B	X	-24.874	4.25
11	MP3B	Z	-14.361	4.25
12	MP3B	Mx	.024	4.25
13	MP3A	X	-13.737	.25
14	MP3A	Z	-7.931	.25
15	MP3A	Mx	.011	.25
16	MP3A	X	-13.737	4.25
17	MP3A	Z	-7.931	4.25
18	MP3A	Mx	.011	4.25
19	MP3C	X	-12.504	.25
20	MP3C	Z	-7.219	.25
21	MP3C	Mx	006	.25
22	MP3C	X	-12.504	4.25
23	MP3C	Z	-7.219	4.25
24	MP3C	Mx	006	4.25
25	MP3A	X	-13.737	.25
26	MP3A	Z	-7.931	.25
27	MP3A	Mx	.002	.25
28	MP3A	X	-13.737	4.25
	MP3A	Z		
30	MP3A	Mx	-7.931 .002	4.25 4.25
31	MP3C	X	-12.504	.25
32	MP3C	Z		
			<u>-7.219</u>	.25
33	MP3C	Mx	009	.25
34	MP3C	X Z	-12.504	4.25
35	MP3C		-7.219	4.25
36	MP3C	Mx	009	4.25
37	MP4A	X	-6.056	0
38	MP4A	Z	-3.496	0
39	MP4A	Mx	.003	0
40	MP4A	X	-6.056	1
41	MP4A	Z	-3.496	1
42	MP4A	Mx	.003	1
43	MP4B	X	-10.673	0
44	MP4B	Z	-6.162	0
45	MP4B	Mx	0	0
46	MP4B	X	-10.673	1
47	MP4B	Z	-6.162	1
48	MP4B	Mx	0	1
49	MP4C	X	-4.702	0
50	MP4C	Z	-2.715	0
51	MP4C	Mx	003	0
52	MP4C	X	-4.702	1
53	MP4C	Z	-2.715	1
54	MP4C	Mx	003	1
55	MP4A	X	-2.134	4
56	MP4A	Z	-1.232	4
57	MP4A	Mx	.001	4
58	MP4B	X	-4.59	4
59	MP4B	Z	-2.65	4
		<u> </u>		•



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP4B	Mx	0	4
61	MP4C	X	-1.414	4
62	MP4C	Z	816	4
63	MP4C	Mx	000804	4
64	OVPA	X	-13.176	2
65	OVPA	Z	-7.607	2
66	OVPA	Mx	0	2
67	MP2A	X	-6.115	3
68	MP2A	Z	-3.531	3
69	MP2A	Mx	003	3
70	MP2B	X	-8.957	3
71	MP2B	Z	-5.171	3
72	MP2B	Mx	0	3
73	MP2C	X	-5.282	3
74	MP2C	Z	-3.05	3
75	MP2C	Mx	.003	3
76	MP3A	X	-6.898	3
77	MP3A	Z	-3.982	3
78	MP3A	Mx	003	3
79	MP3B	X	-8.957	3
80	MP3B	Z	-5.171	3
81	MP3B	Mx	0	3
82	MP3C	X	-6.294	3
83	MP3C	Z	-3.634	3
84	MP3C	Mx	.004	3
85	MP1B	X	-9.088	.5
86	MP1B	Z	-5.247	.5
87	MP1B	Mx	003	.5
88	MP1B	X	-9.088	3.5
89	MP1B	Z	-5.247	3.5
90	MP1B	Mx	003	3.5
91	MP5B	X	-9.088	.5
92	MP5B	Z	-5.247	.5
93	MP5B	Mx	003	.5
94	MP5B	X	-9.088	3.5
95	MP5B	Z	-5.247	3.5
96	MP5B	Mx	003	3.5
97	MP1A MP1A	X	-8.396	.5
98	MP1A MP1A		-4.847	.5
99		Mx	.005	.5
100	MP1A	X Z	-8.396	3.5
101	MP1A MP1A	Mx	-4.847 .005	3.5 3.5
103	MP1C	X	-9.549	.5
104	MP1C	Z	-5.513	.5
105	MP1C	Mx	003	.5
106	MP1C	X	-9.549	3.5
107	MP1C	Z	-5.513	3.5
108	MP1C	Mx	003	3.5
109	MP5A	X	-8.396	.5
110	MP5A	Z	-4.847	.5
111	MP5A	Mx	.005	.5
112	MP5A	X	-8.396	3.5
113	MP5A	Z	-4.847	3.5
114	MP5A	Mx	.005	3.5
115	MP5C	X	-9.549	.5
116	MP5C	Z	-5.513	.5
117	MP5C	Mx	003	.5
118	MP5C	X	-9.549	3.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
119	MP5C	Z	-5.513	3.5
120	MP5C	Mx	003	3.5
121	OVPB	X	-13.176	2
122	OVPB	Z	-7.607	2
123	OVPB	Mx	0	2
124	OVPC	X	-13.176	2
125	OVPC	Z	-7.607	2
126	OVPC	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3B	X	-12.533	.25
2	MP3B	Z	-21.709	.25
3	MP3B	Mx	012	.25
4	MP3B	X	-12.533	4.25
5	MP3B	Z	-21.709	4.25
6	MP3B	Mx	012	4.25
7	MP3B	X	-12.533	.25
8	MP3B	Z	-21.709	.25
9	MP3B	Mx	.024	.25
10	MP3B	X	-12.533	4.25
11	MP3B	Z	-21.709	4.25
12	MP3B	Mx	.024	4.25
13	MP3A	X	-9.55	.25
14	MP3A	Z	-16.541	.25
15	MP3A	Mx	.014	.25
16	MP3A	X	-9.55	4.25
17	MP3A	Z	-16.541	4.25
18	MP3A	Mx	.014	4.25
19	MP3C	X	-7.5	.25
20	MP3C	Z	-12.991	.25
21	MP3C	Mx	01	.25
22	MP3C	X	-7.5	4.25
23	MP3C	Z	-12.991	4.25
24	MP3C	Mx	01	4.25
25	MP3A	X	-9.55	.25
26	MP3A	Z	-16.541	.25
27	MP3A	Mx	005	.25
28	MP3A	X	-9.55	4.25
29	MP3A	Z	-9.55 -16.541	4.25
30	MP3A	Mx	005	4.25
31	MP3C	X	005 -7.5	.25
32	MP3C	Z	-12.991	.25
33	MP3C	Mx	004	.25
34	MP3C	X	004 -7.5	4.25
35	MP3C	Z	-7.5 -12.991	4.25
36	MP3C	Mx	004	4.25
37	MP4A	X	00 4 -5.273	4.25
38	MP4A MP4A	Z	-9.134	0
39				0
	MP4A	Mx	.003	
40	MP4A	X	-5.273	1
41	MP4A	Z	-9.134	1
42	MP4A	Mx	.003	1
43	MP4B	X	-5.273	0
44	MP4B	Z	-9.134	0
45	MP4B	Mx	.003	0
46	MP4B	X	-5.273	1
47	MP4B	Z	-9.134	1



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

W.C.II	ber Point Loads (BLC 20 .	Antenna W (00	Beg// (Gentinaea)	
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP4B	Mx	.003	1
49	MP4C	X	-3.023	0
50	MP4C	Z	-5.237	0
51	MP4C	Mx	003	0
52	MP4C	X	-3.023	1
53	MP4C	Z	-5.237	1
54	MP4C	Mx	003	1
55	MP4A	X	-2.177	4
56	MP4A	Z	-3.771	4
57	MP4A	Mx	.001	4
58	MP4B	X	-2.177	4
59	MP4B	Z	-3.771	4
60	MP4B	Mx	.001	4
61	MP4C		981	4
62	MP4C	X Z	-1.698	4
63	MP4C	Mx	000921	4
64	OVPA	X	-9.196	2
65	OVPA	Z	-15.927	2
66	OVPA	Mx	0	2 2
67	MP2A	X	-4.624	3
68	MP2A	Z	-8.01	3
69	MP2A	Mx	002	3
70	MP2B	X	-4.624	3
71	MP2B	Z	-8.01	3
72	MP2B	Mx	002	3
73	MP2C	X	-3.24	3
74	MP2C	Z	-5.611	3
75	MP2C	Mx	.003	3
76	MP3A	X	-4.775	3
77	MP3A	Z	-8.27	3
78	MP3A	Mx	002	3
79	MP3B	X	-4.775	3
80	MP3B	Z	-8.27	3
81	MP3B	Mx	002	3
82	MP3C	X	-3.772	3
83	MP3C	Z	-6.532	3
84	MP3C	Mx	.004	3
85	MP1B	X	-5.38	.5
86	MP1B	Z	-9.319	.5
87	MP1B	Mx	0	.5
88	MP1B	X	-5.38	3.5
89	MP1B	Z	-9.319	3.5
90	MP1B	Mx	0	3.5
91	MP5B	X	-5.38	.5
92	MP5B	X Z	-9.319	.5
93	MP5B	Mx	-9.519	.5
94	MP5B	X	-5.38	3.5
95	MP5B	Z	-9.319	3.5
96	MP5B	Mx	-9.319	3.5
97	MP1A	X	-5.069	.5
98	MP1A	Z	-8.78	.5
99	MP1A	Mx	.004	.5
100	MP1A		-5.069	3.5
100	MP1A MP1A	X	-8.78	3.5
101			-8.78 .004	
	MP1A MP1C	Mx		3.5
103	MP1C	X	-5.069	.5
104	MP1C		-8.78	.5
105	MP1C	Mx	004	.5
106	MP1C	X	-5.069	3.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
107	MP1C	Z	-8.78	3.5
108	MP1C	Mx	004	3.5
109	MP5A	X	-5.069	.5
110	MP5A	Z	-8.78	.5
111	MP5A	Mx	.004	.5
112	MP5A	X	-5.069	3.5
113	MP5A	Z	-8.78	3.5
114	MP5A	Mx	.004	3.5
115	MP5C	X	-5.069	.5
116	MP5C	Z	-8.78	.5
117	MP5C	Mx	004	.5
118	MP5C	X	-5.069	3.5
119	MP5C	Z	-8.78	3.5
120	MP5C	Mx	004	3.5
121	OVPB	X	-9.196	2
122	OVPB	Z	-15.927	2
123	OVPB	Mx	0	2
124	OVPC	X	-9.196	2
125	OVPC	Z	-15.927	2
126	OVPC	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3B	X Z	0	.25
2	MP3B	Z	-5.744	.25
3	MP3B	Mx	9.4e-5	.25
4	MP3B	X	0	4.25
5	MP3B	Z	-5.744	4.25
6	MP3B	Mx	9.4e-5	4.25
7	MP3B	X	0	.25
8	MP3B	Z	-5.744	.25
9	MP3B	Mx	.005	.25
10	MP3B	X	0	4.25
11	MP3B	Z	-5.744	4.25
12	MP3B	Mx	.005	4.25
13	MP3A	X	0	.25
14	MP3A	Z	-6.813	.25
15	MP3A	Mx	.004	.25
16	MP3A	X	0	4.25
17	MP3A	Z	-6.813	4.25
18	MP3A	Mx	.004	4.25
19	MP3C	X	0	.25
20	MP3C	Z	-5.859	.25
21	MP3C	Mx	005	.25
22	MP3C	X	0	4.25
23	MP3C	Z	-5.859	4.25
24	MP3C	Mx	005	4.25
25	MP3A	X	0	.25
26	MP3A	Z	-6.813	.25
27	MP3A	Mx	004	.25
28	MP3A	X	0	4.25
29	MP3A	Z	-6.813	4.25
30	MP3A	Mx	004	4.25
31	MP3C	X	0	.25
32	MP3C	Z	-5.859	.25
33	MP3C	Mx	.000735	.25
34	MP3C	X	0	4.25
35	MP3C	Z	-5.859	4.25



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

	ber rome Louds (BLO 27 :			
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP3C	Mx	.000735	4.25
37	MP4A	X	0	0
38	MP4A	Z	-3.963	0
39	MP4A	Mx	0	0
40	MP4A	X	0	1
41	MP4A	Z	-3.963	1
42	MP4A	Mx	0	1
43	MP4B	X	0	0
44	MP4B	Z	-2.154	0
45	MP4B	Mx	.000933	0
46	MP4B	X	0	1
47	MP4B	Z	-2.154	1
48	MP4B	Mx	.000933	1
49	MP4C	X	0	0
50	MP4C	Z	-2.966	0
51	MP4C	Mx	000953	0
52	MP4C	X	0	1
53	MP4C	Z	-2.966	1
54	MP4C	Mx	000953	1
55	MP4A	X	0	4
56	MP4A	Z	-1.501	4
57	MP4A	Mx	0	4
58	MP4B	X	0	4
59	MP4B	Z	596	4
60	MP4B	Mx	.000258	4
61	MP4C	X	0	4
62	MP4C	Z	-1.002	4
63	MP4C MP4C	Mx	000322	4
64	OVPA	X	-:000322	2
65	OVPA	Z	-6.391	2
66	OVPA	Mx	-6.391	2
67	MP2A	X	0	3
	MP2A	Z	-3.153	3
68				
69	MP2A	Mx	0	3 3
70	MP2B	X Z		
71	MP2B		-2.069	3
72	MP2B	Mx	000896	3
73	MP2C	X Z	0	3
74	MP2C		-2.556	3
75	MP2C	Mx	.000821	3
76	MP3A	X	0	3
77	MP3A	Z	-3.153	3
78	MP3A	Mx	0	3
79	MP3B	X	0	3
80	MP3B	Z	-2.369	3
81	MP3B	Mx	001	3
82	MP3C	X	0	3
83	MP3C	Z	-2.721	3
84	MP3C	Mx	.000875	3
85	MP1B	X	0	.5
86	MP1B	Z	-3.323	.5
87	MP1B	Mx	.000831	.5
88	MP1B	X	0	3.5
89	MP1B	Z	-3.323	3.5
90	MP1B	Mx	.000831	3.5
91	MP5B	X	0	.5
92	MP5B	Z	-3.323	.5
93	MP5B	Mx	.000831	.5
94	MP5B	X	0	3.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP5B	Z	-3.323	3.5
96	MP5B	Mx	.000831	3.5
97	MP1A	X	0	.5
98	MP1A	Z	-3.5	.5
99	MP1A	Mx	.000875	.5
100	MP1A	X	0	3.5
101	MP1A	Z	-3.5	3.5
102	MP1A	Mx	.000875	3.5
103	MP1C	X	0	.5
104	MP1C	Z	-3.048	.5
105	MP1C	Mx	002	.5
106	MP1C	X	0	3.5
107	MP1C	Z	-3.048	3.5
108	MP1C	Mx	002	3.5
109	MP5A	Χ	0	.5
110	MP5A	Z	-3.5	.5
111	MP5A	Mx	.000875	.5
112	MP5A	X	0	3.5
113	MP5A	Z	-3.5	3.5
114	MP5A	Mx	.000875	3.5
115	MP5C	X	0	.5
116	MP5C	Z	-3.048	.5
117	MP5C	Mx	002	.5
118	MP5C	X	0	3.5
119	MP5C	Z	-3.048	3.5
120	MP5C	Mx	002	3.5
121	OVPB	X	0	2
122	OVPB	Z	-6.391	2
123	OVPB	Mx	0	2
124	OVPC	Χ	0	2
125	OVPC	Z	-6.391	2
126	OVPC	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3B	X	2.227	.25
2	MP3B	Z	-3.858	.25
3	MP3B	Mx	.002	.25
4	MP3B	X	2.227	4.25
5	MP3B	Z	-3.858	4.25
6	MP3B	Mx	.002	4.25
7	MP3B	X	2.227	.25
8	MP3B	Z	-3.858	.25
9	MP3B	Mx	.002	.25
10	MP3B	X	2.227	4.25
11	MP3B	Z	-3.858	4.25
12	MP3B	Mx	.002	4.25
13	MP3A	X	3.118	.25
14	MP3A	Z	-5.4	.25
15	MP3A	Mx	.002	.25
16	MP3A	X	3.118	4.25
17	MP3A	Z	-5.4	4.25
18	MP3A	Mx	.002	4.25
19	MP3C	X	3.371	.25
20	MP3C	Z	-5.84	.25
21	MP3C	Mx	004	.25
22	MP3C	X	3.371	4.25
23	MP3C	Z	-5.84	4.25



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

	Member Label	Direction	Magnitude[lb,k-ft]	Looption[ft 9/1
24	MP3C	Mx	004	Location[ft,%] 4.25
25	MP3A	X	3.118	.25
26	MP3A	Z	-5.4	.25
27	MP3A	Mx	005	.25
28	MP3A	X	3.118	4.25
29	MP3A	Z	-5.4	4.25
30	MP3A	Mx	005	4.25
31	MP3C	X	3.371	.25
32	MP3C	Z	-5.84	.25
33	MP3C	Mx	.003	.25
34	MP3C	X	3.371	4.25
35	MP3C	Z	-5.84	4.25
36	MP3C	Mx	.003	4.25
37	MP4A	X	1.68	0
38	MP4A	Z	-2.91	0
39	MP4A	Mx	00084	0
40	MP4A	X	1.68	1
41	MP4A	Z	-2.91	1
42	MP4A	Mx	00084	1
43	MP4B	X	.776	0
44	MP4B	Z	-1.344	0
45	MP4B	Mx	.000776	0
46	MP4B MP4B	X	.776	1
47	MP4B	Z	-1.344	1
48	MP4B	Mx	.000776	1
49	MP4C	X	1.945	0
50	MP4C	Z	-3.369	0
51	MP4C	Mx	000338	0
52	MP4C	X	1.945	1
53	MP4C	Z	-3.369	1
54	MP4C	Mx	000338	1
55	MP4A	X	000338 .6	4
56	MP4A	Z	-1.039	4
57	MP4A	Mx	0003	4
58	MP4B	X	.147	4
59	MP4B MP4B	Z	255	4
60	MP4B	Mx	.000147	4
61	MP4C	X	.732	4
62	MP4C	Z	-1.268	4
63	MP4C	Mx	000127	4
64	OVPA	X	2.925	2
65	OVPA	Z	-5.067	2
66	OVPA	Mx	0	2
67	MP2A	X	1.396	3
68	MP2A	Z	-2.418	3
69	MP2A	Mx	.000698	3
70	MP2B	X	.854	3
71	MP2B	Z	-1.479	3
72	MP2B	Mx	000854	3
73	MP2C	X	1.555	3
74	MP2C	Z	-2.693	3
75	MP2C	Mx	.00027	3
76	MP3A	X	1.446	3
77	MP3A	Z	-2.505	3
78	MP3A	Mx	.000723	3
79	MP3B	X	1.054	3
80	MP3B	Z	-1.825	3 3
81	MP3B	Mx	001	3
82	MP3C	X	1.561	3
02	IVIPSU	^	1.00.1	3



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP3C	Z	-2.704	3
84	MP3C	Mx	.000271	3
85	MP1B	Χ	1.57	.5
86	MP1B	Z	-2.719	.5
87	MP1B	Mx	.001	.5
88	MP1B	Χ	1.57	3.5
89	MP1B	Z	-2.719	3.5
90	MP1B	Mx	.001	3.5
91	MP5B	X	1.57	.5
92	MP5B	Z	-2.719	.5
93	MP5B	Mx	.001	.5
94	MP5B	Χ	1.57	3.5
95	MP5B	Z	-2.719	3.5
96	MP5B	Mx	.001	3.5
97	MP1A	X	1.825	.5
98	MP1A	Z	-3.162	.5
99	MP1A	Mx	0	.5
100	MP1A	Χ	1.825	3.5
101	MP1A	Z	-3.162	3.5
102	MP1A	Mx	0	3.5
103	MP1C	X	1.599	.5
104	MP1C	Z	-2.77	.5
105	MP1C	Mx	001	.5
106	MP1C	Χ	1.599	3.5
107	MP1C	Z	-2.77	3.5
108	MP1C	Mx	001	3.5
109	MP5A	X	1.825	.5
110	MP5A	Z	-3.162	.5
111	MP5A	Mx	0	.5
112	MP5A	Χ	1.825	3.5
113	MP5A	Z	-3.162	3.5
114	MP5A	Mx	0	3.5
115	MP5C	Χ	1.599	.5
116	MP5C	Z	-2.77	.5
117	MP5C	Mx	001	.5
118	MP5C	Χ	1.599	3.5
119	MP5C	Z	-2.77	3.5
120	MP5C	Mx	001	3.5
121	OVPB	Χ	2.925	2
122	OVPB	Z	-5.067	2
123	OVPB	Mx	0	2
124	OVPC	Χ	2.925	2
125	OVPC	Z	-5.067	2
126	OVPC	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3B	X	4.974	.25
2	MP3B	Z	-2.872	.25
3	MP3B	Mx	.005	.25
4	MP3B	X	4.974	4.25
5	MP3B	Z	-2.872	4.25
6	MP3B	Mx	.005	4.25
7	MP3B	X	4.974	.25
8	MP3B	Z	-2.872	.25
9	MP3B	Mx	9.4e-5	.25
10	MP3B	X	4.974	4.25
11	MP3B	Z	-2.872	4.25



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

	Del Tome Loads (BLO 25 :			
12	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
	MP3B	Mx	9.4e-5	4.25
13	MP3A	X	4.4	.25
14	MP3A	Z	-2.54	.25
15	MP3A	Mx	000718	.25
16	MP3A	X	4.4	4.25
17	MP3A	Z	-2.54	4.25
18	MP3A	Mx	000718	4.25
19	MP3C	X	5.666	.25
20	MP3C		-3.271	.25
21	MP3C	Mx	002	.25
22	MP3C	X	5.666	4.25
23	MP3C	Z	-3.271	4.25
24	MP3C	Mx	002	4.25
25	MP3A	X	4.4	.25
26	MP3A	Z	-2.54	.25
27	MP3A	Mx	004	.25
28	MP3A	X	4.4	4.25
29	MP3A	Z	-2.54	4.25
30	MP3A	Mx	004	4.25
31	MP3C	X	5.666	.25
32	MP3C	Z	-3.271	.25
33	MP3C	Mx	.005	.25
34	MP3C	X	5.666	4.25
35	MP3C	Z	-3.271	4.25
36	MP3C	Mx	.005	4.25
37	MP4A	X	1.866	0
38	MP4A	Z	-1.077	0
39	MP4A	Mx	000933	0
40	MP4A	X	1.866	1
41	MP4A	Z	-1.077	1
42	MP4A	Mx	000933	1
43	MP4B	X	1.866	0
44	MP4B	Z	-1.077	0
45	MP4B	Mx	.000933	0
46	MP4B	X	1.866	1
47	MP4B	Z	-1.077	1
48	MP4B	Mx	.000933	1
49	MP4C	X	3.188	0
50	MP4C	Z	-1.84	0
51	MP4C	Mx	.00063	0
52	MP4C	X	3.188	1
53	MP4C	Z	-1.84	1
54	MP4C	Mx	.00063	1
55	MP4A	X	.516	4
56	MP4A	Z	298	4
57	MP4A	Mx	000258	4
58	MP4B	X	.516	4
59	MP4B	Z	298	4
60	MP4B	Mx	.000258	4
61	MP4C	X	1.177	4
62	MP4C	Z	68	4
63	MP4C	Mx	.000232	4
64	OVPA	X	4.131	2
65	OVPA	Z	-2.385	2
66	OVPA	Mx	0	2
67	MP2A	X	1.792	3
68	MP2A	Z	-1.034	3
69	MP2A	Mx	.000896	3
70	MP2B	X	1.792	3



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

Membe	FUIII LUAUS (BLC 29	. Antenna Will (ot	Deg// (Continued)	
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP2B	Z	-1.034	3
72	MP2B	Mx	000896	3
73	MP2C	X	2.584	3
74	MP2C	Z	-1.492	3
75	MP2C	Mx	00051	3
76	MP3A	X	2.052	3
77	MP3A	Z	-1.185	3
78	MP3A	Mx	.001	3
			2.052	
79	MP3B	X		3 3
80	MP3B		-1.185	
81	MP3B	Mx	001	3
82	MP3C	X	2.625	3
83	MP3C	Z	-1.516	3
84	MP3C	Mx	000518	3
85	MP1B	X	2.639	.5
86	MP1B	Z	-1.524	.5
87	MP1B	Mx	.002	.5
88	MP1B	X	2.639	3.5
89	MP1B	Z	-1.524	3.5
90	MP1B	Mx	.002	3.5
91	MP5B	X	2.639	.5
92	MP5B	Z	-1.524	.5
93	MP5B	Mx	.002	.5
94	MP5B	X	2.639	3.5
95	MP5B	Z	-1.524	3.5
96	MP5B	Mx	.002	3.5
97	MP1A	X	3.031	.5
98	MP1A	Z	-1.75	.5
99	MP1A	Mx	000875	.5
100	MP1A	X	3.031	3.5
101	MP1A	Z	-1.75	3.5
102	MP1A	Mx	000875	3.5
103	MP1C	X	3.031	.5
104	MP1C	Z	-1.75	.5
105	MP1C	Mx	000875	.5
106	MP1C	X	3.031	3.5
107	MP1C	Z	-1.75	3.5
108	MP1C	Mx	000875	3.5
109	MP5A		3.031	.5
110	MP5A	X Z	-1.75	.5
111	MP5A	Mx	000875	.5
112	MP5A	X	3.031	3.5
113	MP5A	Z	-1.75	3.5
114	MP5A	Mx	000875	3.5
115	MP5C	X	3.031	.5
116	MP5C	Z	-1.75	.5
117	MP5C	Mx	000875	.5
118	MP5C	X	3.031	3.5
119	MP5C	Z	-1.75	3.5
120	MP5C	Mx	000875	3.5
121	OVPB	X	4.131	2
122	OVPB	Z	-2.385	2
123	OVPB	Mx	0	2
124	OVPC	X	4.131	2
125	OVPC	Z	-2.385	2
126	OVPC	Mx	0	2

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



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

	Ber Tomit Loads (BLO 50 :		3// \	
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3B	X	8.322	.25
2	MP3B	Z	0	.25
3	MP3B	Mx	.008	.25
4	MP3B	X	8.322	4.25
5	MP3B	Z	0	4.25
			.008	
6	MP3B	Mx		4.25
7	MP3B	X	8.322	.25
8	MP3B	Z	0	.25
9	MP3B	Mx	004	.25
10	MP3B	X	8.322	4.25
11	MP3B	Z	0	4.25
12	MP3B	Mx	004	4.25
13	MP3A	X	4.504	.25
14	MP3A	Z	0	.25
15	MP3A	Mx	002	.25
16	MP3A	X	4.504	4.25
17	MP3A	Z	0	4.25
18	MP3A	Mx	002	4.25
19	MP3C		5.458	
		X		.25
20	MP3C	Z	0	.25
21	MP3C	Mx	4.4e-5	.25
22	MP3C	X	5.458	4.25
23	MP3C	Z	0	4.25
24	MP3C	Mx	4.4e-5	4.25
25	MP3A	X	4.504	.25
26	MP3A	Z	0	.25
27	MP3A	Mx	002	.25
28	MP3A	X	4.504	4.25
29	MP3A	Z	0	4.25
30	MP3A	Mx	002	4.25
31	MP3C	X	5.458	.25
32	MP3C	Z	0	.25
33	MP3C	Mx	.004	.25
34	MP3C	X Z	5.458	4.25
35	MP3C		0	4.25
36	MP3C	Mx	.004	4.25
37	MP4A	X	1.551	0
38	MP4A	Z	0	0
39	MP4A	Mx	000775	0
40	MP4A	X	1.551	1
41	MP4A	Z	0	1
42	MP4A	Mx	000775	1
43	MP4B	X	3.36	0
44	MP4B	Z	0	0
45	MP4B	Mx	.00084	0
46	MP4B	X	3.36	1
47	MP4B	Z	0	1
48	MP4B	Mx	.00084	1
49	MP4C	X	2.548	0
		Z		
50	MP4C		0	0
51	MP4C	Mx	.000976	0
52	MP4C	X	2.548	1
53	MP4C	Z	0	1
54	MP4C	Mx	.000976	1
55	MP4A	X	.294	4
56	MP4A	Z	0	4
57	MP4A	Mx	000147	4
58	MP4B	X	1.199	4
59	MP4B	Z	0	4
	iii TD	_	<u> </u>	T T



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

	CIT OME LOUIS (BLO 50)			
60	Member Label MP4B	Direction Mx	Magnitude[lb,k-ft]	Location[ft,%]
61	MP4C		.0003	4
		X Z	.793	
62	MP4C		0	4
63	MP4C	Mx	.000304	4
64	OVPA	X	4.23	2
65	OVPA	Z	0	2
66	OVPA	Mx	0	2
67	MP2A	X	1.707	3
68	MP2A		0	3
69	MP2A	Mx	.000854	3
70	MP2B	X	2.792	3
71	MP2B	Z	0	3
72	MP2B	Mx	000698	3
73	MP2C	X	2.305	3
74	MP2C	Z	0	3
75	MP2C	Mx	000883	3
76	MP3A	X	2.108	3
77	MP3A	Z	0	3
78	MP3A	Mx	.001	3
79	MP3B	X	2.892	3
80	MP3B	Z	0	3
81	MP3B	Mx	000723	3
82	MP3C	X	2.54	3
83	MP3C	Z	0	3
84	MP3C	Mx	000973	3
85	MP1B	X	3.14	.5
86	MP1B	Z	0	.5
87	MP1B	Mx	.001	.5
88	MP1B	X	3.14	3.5
89	MP1B	Z	0	3.5
90	MP1B	Mx	.001	3.5
91	MP5B	X	3.14	.5
92	MP5B	Z	0	.5
93	MP5B	Mx	.001	.5
94	MP5B	X	3.14	3.5
95	MP5B	Z	0	3.5
96	MP5B	Mx	.001	3.5
97	MP1A	X	3.199	.5
98	MP1A	Z	0	.5
99	MP1A	Mx	001	.5
100	MP1A	X	3.199	3.5
101	MP1A	Z	0	3.5
102	MP1A	Mx	001	3.5
103	MP1C	X	3.651	.5
104	MP1C	Z	0	.5
105	MP1C	Mx	0	.5
106	MP1C	X	3.651	3.5
107	MP1C	Z	0	3.5
108	MP1C	Mx	0	3.5
109	MP5A	X	3.199	.5
110	MP5A	Z	0	.5
			001	.5
111	MP5A	Mx		
112	MP5A	X	3.199	3.5
113	MP5A	Z	0	3.5
114	MP5A	Mx	001	3.5
115	MP5C	X	3.651	.5
116	MP5C	Z	0	.5
117	MP5C	Mx	0	.5
118	MP5C	X	3.651	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
119	MP5C	Z	0	3.5
120	MP5C	Mx	0	3.5
121	OVPB	X	4.23	2
122	OVPB	Z	0	2
123	OVPB	Mx	0	2
124	OVPC	X	4.23	2
125	OVPC	Z	0	2
126	OVPC	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3B	X	8.324	.25
2	MP3B	Z	4.806	.25
3	MP3B	Mx	.008	.25
4	MP3B	X	8.324	4.25
5	MP3B	Z	4.806	4.25
6	MP3B	Mx	.008	4.25
7	MP3B	X	8.324	.25
8	MP3B	Z	4.806	.25
9	MP3B	Mx	008	.25
10	MP3B	X	8.324	4.25
11	MP3B	Z	4.806	4.25
12	MP3B	Mx	008	4.25
13	MP3A	X	4.4	.25
14	MP3A	Z	2.54	.25
15	MP3A	Mx	004	.25
16	MP3A	X	4.4	4.25
17	MP3A	Z	2.54	4.25
18	MP3A	Mx	004	4.25
19	MP3C	X	3.961	.25
20	MP3C	Z	2.287	.25
21	MP3C	Mx	.002	.25
22	MP3C	X	3.961	4.25
23	MP3C	Z	2.287	4.25
24	MP3C	Mx	.002	4.25
25	MP3A	X	4.4	.25
26	MP3A	Z	2.54	.25
27	MP3A	Mx	000718	.25
28	MP3A	X	4.4	4.25
29	MP3A	Z	2.54	4.25
30	MP3A	Mx	000718	4.25
31	MP3C	X	3.961	.25
32	MP3C	Z	2.287	.25
33	MP3C	Mx	.003	.25
34	MP3C	X	3.961	4.25
35	MP3C	Z	2.287	4.25
36	MP3C	Mx	.003	4.25
37	MP4A	X	1.866	0
38	MP4A	Z	1.077	0
39	MP4A	Mx	000933	0
40	MP4A	X	1.866	1
41	MP4A	Z	1.077	1
42	MP4A	Mx	000933	1
43	MP4B	X	3.432	0
44	MP4B	Z	1.981	0
45	MP4B	Mx	0	0
46	MP4B	X	3.432	1
47	MP4B	Z	1.981	1
4/	IVIT4B		1.981	1



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP4B	Mx	0	1
49	MP4C	X	1.407	0
50	MP4C	Z	.812	0
51	MP4C	Mx	.0008	0
52	MP4C	X	1.407	1
53	MP4C	Z	.812	1
54	MP4C	Mx	.0008	1
55	MP4A	X	.516	4
56	MP4A	Z	.298	4
57	MP4A	Mx	000258	4
58	MP4B	X	1.3	4
59	MP4B	Z	.75	4
60	MP4B	Mx	0	4
61	MP4C	X	.286	4
62	MP4C	Z	.165	4
63	MP4C	Mx	.000163	4
64	OVPA	X	4.131	2
65	OVPA	Z	2.385	2
66	OVPA	Mx	0	2
67	MP2A	X	1.792	3
68	MP2A	Z	1.034	3
69	MP2A	Mx	.000896	3
70	MP2B	X	2.731	3
71	MP2B	Z	1.577	3
72	MP2B	Mx	0	3
73	MP2C	X	1.516	3
74	MP2C	Z	.875	3
75	MP2C	Mx	000862	3
76	MP3A	X	2.052	3
77	MP3A	Z	1.185	3
78	MP3A	Mx	.001	3
79	MP3B	X	2.731	3
80	MP3B	Z	1.577	3
81	MP3B	Mx	0	3
82	MP3C	X	1.853	3
83	MP3C	Z	1.07	3
84	MP3C	Mx	001	3
85	MP1B	X	2.878	.5
86	MP1B	Z	1.661	.5
87	MP1B	Mx	.000831	.5
88	MP1B	X	2.878	3.5
89	MP1B	Z	1.661	3.5
90	MP1B	Mx	.000831	3.5
91	MP5B	X	2.878	.5
92	MP5B	Z	1.661	.5
93	MP5B	Mx	.000831	.5
94	MP5B	X	2.878	3.5
95	MP5B	Z	1.661	3.5
96	MP5B	Mx	.000831	3.5
97	MP1A	X Z	2.639	.5
98	MP1A		1.524	.5
99	MP1A	Mx	002	.5
100	MP1A	X	2.639	3.5
101	MP1A	Z	1.524	3.5
102	MP1A	Mx	002	3.5
103	MP1C	X Z	3.031	.5
104	MP1C		1.75	.5
105	MP1C	Mx	.000875	.5 3.5
106	MP1C	X	3.031	ა.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
107	MP1C	Z	1.75	3.5
108	MP1C	Mx	.000875	3.5
109	MP5A	X	2.639	.5
110	MP5A	Z	1.524	.5
111	MP5A	Mx	002	.5
112	MP5A	X	2.639	3.5
113	MP5A	Z	1.524	3.5
114	MP5A	Mx	002	3.5
115	MP5C	X	3.031	.5
116	MP5C	Z	1.75	.5
117	MP5C	Mx	.000875	.5
118	MP5C	X	3.031	3.5
119	MP5C	Z	1.75	3.5
120	MP5C	Mx	.000875	3.5
121	OVPB	X	4.131	2
122	OVPB	Z	2.385	2
123	OVPB	Mx	0	2
124	OVPC	X	4.131	2
125	OVPC	Z	2.385	2
126	OVPC	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3B	X	4.161	.25
2	MP3B	Z	7.207	.25
3	MP3B	Mx	.004	.25
4	MP3B	X	4.161	4.25
5	MP3B	Z	7.207	4.25
6	MP3B	Mx	.004	4.25
7	MP3B	X	4.161	.25
8	MP3B	Z	7.207	.25
9	MP3B	Mx	008	.25
10	MP3B	X	4.161	4.25
11	MP3B	Z	7.207	4.25
12	MP3B	Mx	008	4.25
13	MP3A	X	3.118	.25
14	MP3A	Z	5.4	.25
15	MP3A	Mx	005	.25
16	MP3A	X	3.118	4.25
17	MP3A	Z	5.4	4.25
18	MP3A	Mx	005	4.25
19	MP3C	X	2.387	.25
20	MP3C	Z	4.134	.25
21	MP3C	Mx	.003	.25
22	MP3C	X	2.387	4.25
23	MP3C	Z	4.134	4.25
24	MP3C	Mx	.003	4.25
25	MP3A	X	3.118	.25
26	MP3A	Z	5.4	.25
27	MP3A	Mx	.002	.25
28	MP3A	X	3.118	4.25
29	MP3A	Z	5.4	4.25
30	MP3A	Mx	.002	4.25
31	MP3C	X	2.387	.25
32	MP3C	Z	4.134	.25
33	MP3C	Mx	.001	.25
34	MP3C	X	2.387	4.25
35	MP3C	Z	4.134	4.25



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

	Der Font Loads (DLO 02 .			
36	Member Label MP3C	Direction Mx	Magnitude[lb,k-ft]	Location[ft,%]
37	MP4A		.001 1.68	4.25
		X Z		0
38	MP4A		2.91	0
39	MP4A	Mx	00084	0
40	MP4A	X	1.68	1
41	MP4A	Z	2.91	1
42	MP4A	Mx	00084	1
43	MP4B	X	1.68	0
44	MP4B		2.91	0
45	MP4B	Mx	00084	0
46	MP4B	X	1.68	1
47	MP4B	Z	2.91	1
48	MP4B	Mx	00084	1
49	MP4C	X	.917	0
50	MP4C	Z	1.588	0
51	MP4C	Mx	.000862	0
52	MP4C	X	.917	1
53	MP4C	Z	1.588	1
54	MP4C	Mx	.000862	1
55	MP4A	X	.6	4
56	MP4A	Z	1.039	4
57	MP4A	Mx	0003	4
58	MP4B	X	.6	4
59	MP4B	Z	1.039	4
60	MP4B	Mx	0003	4
61	MP4C	X	.218	4
62	MP4C	Z	.377	4
63	MP4C	Mx	.000205	4
64	OVPA	X	2.925	2
65	OVPA	Z	5.067	2
66	OVPA	Mx	0	2
67	MP2A	X	1.396	3
68	MP2A	Z	2.418	3
69	MP2A	Mx	.000698	3
70	MP2B	X	1.396	3
71	MP2B	Z	2.418	3
72	MP2B	Mx	.000698	3
73	MP2C	X	.938	3
74	MP2C	Z	1.625	3
75	MP2C	Mx	000882	3
76	MP3A	X	1.446	3
77	MP3A	Z	2.505	3
78	MP3A	Mx	.000723	3
79	MP3B	X	1.446	3
80	MP3B	Z	2.505	3
81	MP3B	Mx	.000723	3
82	MP3C	X	1.115	3
83	MP3C	Z	1.113	3
84	MP3C	Mx	001	3
85	MP1B	X	1.707	.5
86	MP1B	Z	2.957	.5
87	MP1B		0	.5
		Mx	1.707	3.5
88	MP1B MP1B	X Z		
89	MP1B		2.957	3.5
90	MP1B	Mx	0	3.5
91	MP5B	X	1.707	.5
92	MP5B	Z	2.957	.5
93	MP5B	Mx	0	.5
94	MP5B	X	1.707	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP5B	Z	2.957	3.5
96	MP5B	Mx	0	3.5
97	MP1A	X	1.599	.5
98	MP1A	Z	2.77	.5
99	MP1A	Mx	001	.5
100	MP1A	X	1.599	3.5
101	MP1A	Z	2.77	3.5
102	MP1A	Mx	001	3.5
103	MP1C	X	1.599	.5
104	MP1C	Z	2.77	.5
105	MP1C	Mx	.001	.5
106	MP1C	X	1.599	3.5
107	MP1C	Z	2.77	3.5
108	MP1C	Mx	.001	3.5
109	MP5A	Χ	1.599	.5
110	MP5A	Z	2.77	.5
111	MP5A	Mx	001	.5
112	MP5A	Χ	1.599	3.5
113	MP5A	Z	2.77	3.5
114	MP5A	Mx	001	3.5
115	MP5C	X	1.599	.5
116	MP5C	Z	2.77	.5
117	MP5C	Mx	.001	.5
118	MP5C	X	1.599	3.5
119	MP5C	Z	2.77	3.5
120	MP5C	Mx	.001	3.5
121	OVPB	Χ	2.925	2
122	OVPB	Z	5.067	2
123	OVPB	Mx	0	2
124	OVPC	Χ	2.925	2
125	OVPC	Z	5.067	2
126	OVPC	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3B	X	0	.25
2	MP3B	Z	5.744	.25
3	MP3B	Mx	-9.4e-5	.25
4	MP3B	X	0	4.25
5	MP3B	Z	5.744	4.25
6	MP3B	Mx	-9.4e-5	4.25
7	MP3B	X	0	.25
8	MP3B	Z	5.744	.25
9	MP3B	Mx	005	.25
10	MP3B	X	0	4.25
11	MP3B	Z	5.744	4.25
12	MP3B	Mx	005	4.25
13	MP3A	X	0	.25
14	MP3A	Z	6.813	.25
15	MP3A	Mx	004	.25
16	MP3A	X	0	4.25
17	MP3A	Z	6.813	4.25
18	MP3A	Mx	004	4.25
19	MP3C	X	0	.25
20	MP3C	Z	5.859	.25
21	MP3C	Mx	.005	.25
22	MP3C	X	0	4.25
23	MP3C	Z	5.859	4.25

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

wein	er Point Loads (BLC 33	. Antenna vvin (1	ao Degjj (Continueu)	
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP3C	Mx	.005	4.25
25	MP3A	X	0	.25
26	MP3A	Z	6.813	.25
27	MP3A	Mx	.004	.25
28	MP3A	X	0	4.25
29	MP3A	Z	6.813	4.25
30	MP3A	Mx	.004	4.25
31	MP3C	X	0	.25
32	MP3C	Z	5.859	.25
33	MP3C	Mx	000735	.25
34	MP3C	X	0	4.25
35	MP3C	Z	5.859	4.25
36	MP3C	Mx	000735	4.25
37	MP4A	X	0	0
38	MP4A	Z	3.963	0
39	MP4A	Mx	0	0
40	MP4A	X	0	1
41	MP4A	Z	3.963	1
42	MP4A	Mx	0	1
43	MP4B	X	0	0
44	MP4B	Z	2.154	0
45	MP4B	Mx	000933	0
46	MP4B	X	0	1
47	MP4B	Z	2.154	1
48	MP4B	Mx	000933	1
49	MP4C	X	0	0
50	MP4C	Z	2.966	0
51	MP4C	Mx	.000953	0
52	MP4C	X	0	1
53	MP4C	Z	2.966	1
54	MP4C	Mx	.000953	1
55	MP4A	X	0	4
56	MP4A	Z	1.501	4
57	MP4A	Mx	0	4
58	MP4B	X	0	4
59	MP4B	Z	.596	4
60	MP4B	Mx	000258	4
61	MP4C	X	0	4
62	MP4C	Z	1.002	4
63	MP4C	Mx	.000322	4
64	OVPA	X	^	2
65	OVPA	Z	6.391	2
66	OVPA	Mx	0.391	2
67	MP2A	X	0	3
68	MP2A MP2A	Z	3.153	3
69	MP2A MP2A	Mx	0	3
70	MP2B	X	0	3
71	MP2B	Z	2.069	3
72	MP2B	Mx	.000896	3
73	MP2C	X	.000896	3
	MP2C MP2C	Z	2.556	3 3
74				3
75	MP2C	Mx	000821	3
76	MP3A	X	0	3
77	MP3A	Z	3.153	3 3
78	MP3A	Mx	0	3
79	MP3B	X	0	3
80	MP3B	Z	2.369	3
81	MP3B	Mx	.001	3
82	MP3C	X	0	3



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP3C	Z	2.721	3
84	MP3C	Mx	000875	3
85	MP1B	X	0	.5
86	MP1B	Z	3.323	.5
87	MP1B	Mx	000831	.5
88	MP1B	X	0	3.5
89	MP1B	Z	3.323	3.5
90	MP1B	Mx	000831	3.5
91	MP5B	X	0	.5
92	MP5B	Z	3.323	.5
93	MP5B	Mx	000831	.5
94	MP5B	Χ	0	3.5
95	MP5B	Z	3.323	3.5
96	MP5B	Mx	000831	3.5
97	MP1A	X	0	.5
98	MP1A	Z	3.5	.5
99	MP1A	Mx	000875	.5
100	MP1A	X	0	3.5
101	MP1A	Z	3.5	3.5
102	MP1A	Mx	000875	3.5
103	MP1C	X	0	.5
104	MP1C	Z	3.048	.5
105	MP1C	Mx	.002	.5
106	MP1C	X	0	3.5
107	MP1C	Z	3.048	3.5
108	MP1C	Mx	.002	3.5
109	MP5A	X	0	.5
110	MP5A	Z	3.5	.5
111	MP5A	Mx	000875	.5
112	MP5A	X	0	3.5
113	MP5A	Z	3.5	3.5
114	MP5A	Mx	000875	3.5
115	MP5C	X	0	.5
116	MP5C	Z	3.048	.5
117	MP5C	Mx	.002	.5
118	MP5C	X	0	3.5
119	MP5C	Z	3.048	3.5
120	MP5C	Mx	.002	3.5
121	OVPB	X	0	2
122	OVPB	Z	6.391	2
123	OVPB	Mx	0	2
124	OVPC	X	0	2 2
125	OVPC	Z	6.391	2
126	OVPC	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3B	X	-2.227	.25
2	MP3B	Z	3.858	.25
3	MP3B	Mx	002	.25
4	MP3B	X	-2.227	4.25
5	MP3B	Z	3.858	4.25
6	MP3B	Mx	002	4.25
7	MP3B	X	-2.227	.25
8	MP3B	Z	3.858	.25
9	MP3B	Mx	002	.25
10	MP3B	X	-2.227	4.25
11	MP3B	Z	3.858	4.25



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

mom	ber Politi Loads (BLC 34	Antoma Will (2	To Dog// (Commutato)	
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP3B	Mx	002	4.25
13	MP3A	X	-3.118	.25
14	MP3A	Z	5.4	.25
15	MP3A	Mx	002	.25
16	MP3A	X	-3.118	4.25
17	MP3A	Z	5.4	4.25
18	MP3A	Mx	002	4.25
19	MP3C	X	-3.371	.25
20	MP3C	Z	5.84	.25
21	MP3C	Mx	.004	.25
22	MP3C	X	-3.371	4.25
23	MP3C	Z	5.84	4.25
24	MP3C	Mx	.004	4.25
25	MP3A	X	-3.118	.25
26	MP3A	Z	5.4	.25
27	MP3A	Mx	.005	.25
28	MP3A	X	-3.118	4.25
29	MP3A	Z	5.4	4.25
30	MP3A	Mx	.005	4.25
31	MP3C	X	-3.371	.25
32	MP3C	Z	5.84	.25
33	MP3C	Mx	003	.25
34	MP3C	X	-3.371	4.25
35	MP3C	Z	5.84	4.25
36	MP3C	Mx	003	4.25
37	MP4A	X	-1.68	0
38	MP4A	Z	2.91	0
39	MP4A	Mx	.00084	0
40	MP4A	X	-1.68	1
41	MP4A	Z	2.91	1
42	MP4A	Mx	.00084	1
43	MP4B	X	776	0
44	MP4B	Z	1.344	0
45	MP4B	Mx	000776	0
46	MP4B	X	776	1
47	MP4B	Z	1.344	1
48	MP4B	Mx	000776	1
49	MP4C	X	-1.945	0
50	MP4C	Z	3.369	0
51	MP4C	Mx	.000338	0
52	MP4C	X	-1.945	1
53	MP4C	Z	3.369	1
54	MP4C	Mx	.000338	1
55	MP4A	IVIX	6	4
56	MP4A	X Z	1.039	4
57	MP4A MP4A	Mx	.0003	4
58	MP4B	X	147	4
59	MP4B	Z	.255	4
60	MP4B	Mx	000147	4
61	MP4C	X		4
62		Z	732	
	MP4C		1.268	4
63	MP4C	Mx	.000127	4
64	OVPA	X	-2.925	2 2
65	OVPA	Z	5.067	2
66	OVPA	Mx	0	2
67	MP2A	X	-1.396	3
68	MP2A	Z	2.418	3
69	MP2A	Mx	000698	3
70	MP2B	X	854	3



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

	I TOME LOUGS (BLO 54		= 13// (= 111111111111111111111111111111111	
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP2B	Z	1.479	3
72	MP2B	Mx	.000854	3
73	MP2C	X	-1.555	3
74	MP2C	Z	2.693	3
75	MP2C	Mx	00027	3
76	MP3A	X	-1.446	3
77	MP3A	Z	2.505	3
78	MP3A	Mx	000723	3
79	MP3B	X	-1.054	3
80	MP3B	Z	1.825	3
81	MP3B	Mx	.001	3
82	MP3C	X	-1.561	3
83	MP3C	Z	2.704	3
84	MP3C	Mx	000271	3
85	MP1B	X	-1.57	.5
86	MP1B	Z	2.719	.5
87	MP1B	Mx	001	.5
88	MP1B	X	-1.57	3.5
89	MP1B	Z	2.719	3.5
90	MP1B	Mx	001	3.5
91	MP5B		-1.57	.5
92	MP5B	X Z	2.719	.5
93	MP5B	Mx	001	.5
94	MP5B	X	-1.57	3.5
		Z		
95	MP5B		2.719	3.5
96	MP5B	Mx	001	3.5
97	MP1A	X Z	-1.825	.5
98	MP1A		3.162	.5
99	MP1A	Mx	0	.5
100	MP1A	X Z	-1.825	3.5
101	MP1A		3.162	3.5
102	MP1A	Mx	0	3.5
103	MP1C	X	-1.599	.5
104	MP1C	Z	2.77	.5
105	MP1C	Mx	.001	.5
106	MP1C	X	-1.599	3.5
107	MP1C	Z	2.77	3.5
108	MP1C	Mx	.001	3.5
109	MP5A	X	-1.825	.5
110	MP5A	Z	3.162	.5
111	MP5A	Mx	0	.5
112	MP5A	X	-1.825	3.5
113	MP5A	Z	3.162	3.5
114	MP5A	Mx	0	3.5
115	MP5C	X	-1.599	.5
116	MP5C	Z	2.77	.5
117	MP5C	Mx	.001	.5
118	MP5C	X	-1.599	3.5
119	MP5C	Z	2.77	3.5
120	MP5C	Mx	.001	3.5
121	OVPB	X Z	-2.925	2 2
122	OVPB		5.067	2
123	OVPB	Mx	0	2
124	OVPC	X	-2.925	2
125	OVPC	Z	5.067	2 2
126	OVPC	Mx	0	2

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

Member Label Direction Magnitude[lb.k.ft] Lecation[ft, %]



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

			Manufactural III de 61	L E Fft 0/1
1	Member Label MP3B	Direction X	Magnitude[lb,k-ft] -4.974	Location[ft,%]
2	MP3B	Z	2.872	.25
3	MP3B	Mx	005	.25
4	MP3B	X	-4.974	4.25
	MP3B	Z	2.872	4.25
5				
6	MP3B	Mx	005	4.25
7	MP3B	X	-4.974	.25
8	MP3B	Z	2.872	.25
9	MP3B	Mx	-9.4e-5	.25
10	MP3B	X	-4.974	4.25
11	MP3B	Z	2.872	4.25
12	MP3B	Mx	-9.4e-5	4.25
13	MP3A	X	-4.4	.25
14	MP3A	Z	2.54	.25
15	MP3A	Mx	.000718	.25
16	MP3A	X	-4.4	4.25
17	MP3A	Z	2.54	4.25
18	MP3A	Mx	.000718	4.25
19	MP3C	X	-5.666	.25
20	MP3C	Z	3.271	.25
21	MP3C	Mx	.002	.25
22	MP3C	X	-5.666	4.25
23	MP3C	Z	3.271	4.25
24	MP3C	Mx	.002	4.25
25	MP3A	X	-4.4	.25
26	MP3A	Z	2.54	.25
27	MP3A	Mx	.004	.25
28	MP3A	X	-4.4	4.25
29	MP3A	Z	2.54	4.25
30	MP3A	Mx	.004	4.25
31	MP3C	X	-5.666	.25
32	MP3C	Z	3.271	.25
33	MP3C	Mx	005	.25
34	MP3C	X	-5.666	4.25
35	MP3C	Z	3.271	4.25
36	MP3C	Mx	005	4.25
37	MP4A	X	-1.866	0
38	MP4A	Z	1.077	0
39	MP4A	Mx	.000933	0
40	MP4A	X	-1.866	1
41	MP4A	Z	1.077	1
42	MP4A	Mx	.000933	1
43	MP4B	X	-1.866	0
44	MP4B	Z	1.077	0
45	MP4B	Mx	000933	0
46	MP4B	X	-1.866	1
47	MP4B	Z	1.077	1
48	MP4B MP4B	Mx	000933	1
49	MP4C	X	-3.188	0
50	MP4C	Z	1.84	0
			00063	
51 52	MP4C	Mx		0
	MP4C	X	-3.188	1 1
53	MP4C	Z	1.84	· .
54	MP4C	Mx	00063	1
55	MP4A	X	516	4
56	MP4A	Z	.298	4
57	MP4A	Mx	.000258	4
58	MP4B	X	516	4
59	MP4B	Z	.298	4



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

Member Label Direction Manual Max Logote Logote Max Max Logote Max Logote Max Logote Max Logote Max Logote Max Logote Logote Max Logote Logote	Membe	r Point Loads (BLC 35			
61 MP4C Z 68 4 63 MP4C Mx .000232 4 64 OVPA X 4.131 2 65 OVPA Z 2.385 2 66 OVPA Mx 0 2 67 MP2A X 1.1792 3 68 MP2A Z 1.034 3 89 MP2A X 1.1792 3 89 MP2A Mx 1.034 3 70 MP2B X 1.1792 3 71 MP2B Z 1.034 3 72 MP2B X 1.1792 3 71 MP2B Z 1.034 3 72 MP2B X 1.132 3 72 MP2B X 2.584 3 73 MP2C X 2.2584 3 74 MP2C Mx 2.2052		Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
62 MP4C Z 68 4 64 OVPA X -4.131 2 65 OVPA Z 2.385 2 66 OVPA Mx 0 2 67 MP2A X 1.792 3 88 MP2A X 1.1034 3 89 MP2A MX -0.00966 3 70 MP2B X -1.792 3 71 MP2B X -1.792 3 72 MP2B X -2.594 3 72 MP3B X -2.052 3 75 MP3A X -					
Base			X		
64					
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104 MP1C Z 1.75 .5 105 MP1C Mx .000875 .5 106 MP1C X -3.031 3.5 107 MP1C Z 1.75 3.5 108 MP1C Mx .000875 3.5 109 MP5A X -3.031 .5 110 MP5A Z 1.75 .5 111 MP5A Mx .000875 .5 112 MP5A X -3.031 3.5 113 MP5A X -3.031 3.5 114 MP5A Mx .000875 3.5 115 MP5C X -3.031 .5 116 MP5C X -3.031 .5 117 MP5C Mx .000875 .5					
105 MP1C Mx .000875 .5 106 MP1C X -3.031 3.5 107 MP1C Z 1.75 3.5 108 MP1C Mx .000875 3.5 109 MP5A X -3.031 .5 110 MP5A Z 1.75 .5 111 MP5A Mx .000875 .5 112 MP5A X -3.031 3.5 113 MP5A Z 1.75 3.5 114 MP5A Mx .000875 3.5 115 MP5C X -3.031 .5 116 MP5C X -3.031 .5 117 MP5C Mx .000875 .5			X		.5
106 MP1C X -3.031 3.5 107 MP1C Z 1.75 3.5 108 MP1C Mx .000875 3.5 109 MP5A X -3.031 .5 110 MP5A Z 1.75 .5 111 MP5A Mx .000875 .5 112 MP5A X -3.031 3.5 113 MP5A Z 1.75 3.5 114 MP5A Mx .000875 3.5 115 MP5C X -3.031 .5 116 MP5C Z 1.75 .5 117 MP5C Mx .000875 .5	104				.5
107 MP1C Z 1.75 3.5 108 MP1C Mx .000875 3.5 109 MP5A X -3.031 .5 110 MP5A Z 1.75 .5 111 MP5A Mx .000875 .5 112 MP5A X -3.031 3.5 113 MP5A Z 1.75 3.5 114 MP5A Mx .000875 3.5 115 MP5C X -3.031 .5 116 MP5C Z 1.75 .5 117 MP5C Mx .000875 .5	105		Mx		
108 MP1C Mx .000875 3.5 109 MP5A X -3.031 .5 110 MP5A Z 1.75 .5 111 MP5A Mx .000875 .5 112 MP5A X -3.031 3.5 113 MP5A Z 1.75 3.5 114 MP5A Mx .000875 3.5 115 MP5C X -3.031 .5 116 MP5C Z 1.75 .5 117 MP5C Mx .000875 .5					
109 MP5A X -3.031 .5 110 MP5A Z 1.75 .5 111 MP5A Mx .000875 .5 112 MP5A X -3.031 3.5 113 MP5A Z 1.75 3.5 114 MP5A Mx .000875 3.5 115 MP5C X -3.031 .5 116 MP5C Z 1.75 .5 117 MP5C Mx .000875 .5					
110 MP5A Z 1.75 .5 111 MP5A Mx .000875 .5 112 MP5A X -3.031 3.5 113 MP5A Z 1.75 3.5 114 MP5A Mx .000875 3.5 115 MP5C X -3.031 .5 116 MP5C Z 1.75 .5 117 MP5C Mx .000875 .5	100				
111 MP5A Mx .000875 .5 112 MP5A X -3.031 3.5 113 MP5A Z 1.75 3.5 114 MP5A Mx .000875 3.5 115 MP5C X -3.031 .5 116 MP5C Z 1.75 .5 117 MP5C Mx .000875 .5			7		.5
112 MP5A X -3.031 3.5 113 MP5A Z 1.75 3.5 114 MP5A Mx .000875 3.5 115 MP5C X -3.031 .5 116 MP5C Z 1.75 .5 117 MP5C Mx .000875 .5					
113 MP5A Z 1.75 3.5 114 MP5A Mx .000875 3.5 115 MP5C X -3.031 .5 116 MP5C Z 1.75 .5 117 MP5C Mx .000875 .5					
114 MP5A Mx .000875 3.5 115 MP5C X -3.031 .5 116 MP5C Z 1.75 .5 117 MP5C Mx .000875 .5			7		
115 MP5C X -3.031 .5 116 MP5C Z 1.75 .5 117 MP5C Mx .000875 .5					
116 MP5C Z 1.75 .5 117 MP5C Mx .000875 .5			X		
117 MP5C Mx .000875 .5					
118 MP5C X -3.031 3.5					.5
					3.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
119	MP5C	Z	1.75	3.5
120	MP5C	Mx	.000875	3.5
121	OVPB	X	-4.131	2
122	OVPB	Z	2.385	2
123	OVPB	Mx	0	2
124	OVPC	X	-4.131	2
125	OVPC	Z	2.385	2
126	OVPC	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3B	X	-8.322	.25
2	MP3B	Z	0	.25
3	MP3B	Mx	008	.25
4	MP3B	X	-8.322	4.25
5	MP3B	Z	0	4.25
6	MP3B	Mx	008	4.25
7	MP3B	X	-8.322	.25
8	MP3B	Z	0	.25
9	MP3B	Mx	.004	.25
10	MP3B	X	-8.322	4.25
11	MP3B	Z	0	4.25
12	MP3B	Mx	.004	4.25
13	MP3A	X	-4.504	.25
14	MP3A	Z	0	.25
15	MP3A	Mx	.002	.25
16	MP3A	X	-4.504	4.25
17	MP3A	Z	0	4.25
18	MP3A	Mx	.002	4.25
19	MP3C	X	-5.458	.25
20	MP3C	Z	0	.25
21	MP3C	Mx	-4.4e-5	.25
22	MP3C	X	-5.458	4.25
23	MP3C	Z	0	4.25
24	MP3C	Mx	-4.4e-5	4.25
25	MP3A	X	-4.504	.25
26	MP3A	Z	0	.25
27	MP3A	Mx	.002	.25
28	MP3A	X	-4.504	4.25
29	MP3A	Z	0	4.25
30	MP3A	Mx	.002	4.25
31	MP3C	X	-5.458	.25
32	MP3C	Z	0	.25
33	MP3C	Mx	004	.25
34	MP3C	X	-5.458	4.25
35	MP3C	Z	0	4.25
36	MP3C	Mx	004	4.25
37	MP4A	X	-1.551	0
38	MP4A	Z	0	0
39	MP4A	Mx	.000775	0
40	MP4A	X	-1.551	1
41	MP4A	Z	0	1
42	MP4A	Mx	.000775	1
43	MP4B	X	-3.36	0
44	MP4B	Z	-3.30 0	0
45	MP4B	Mx	00084	0
46	MP4B	X	-3.36	1
47	MP4B	Z	-3.36 0	1
47	IVIP4D		U	I



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

	Marshard abad			L = == ti == Eft 0/1
48	Member Label MP4B	Direction Mx	Magnitude[lb,k-ft]00084	Location[ft,%]
49	MP4C	X	-2.548	0
50	MP4C	Z	0	0
		Mx	000976	
51 52	MP4C MP4C	X	-2.548	0
53	MP4C	Z	0	1
54	MP4C	Mx	000976	1
55	MP4A	X	294	4
56	MP4A		0	4
57	MP4A	Mx	.000147	4
58	MP4B	X	-1.199	4
59	MP4B	Z	0	4
60	MP4B	Mx	0003	4
61	MP4C	X	793	4
62	MP4C	Z	0	4
63	MP4C	Mx	000304	4
64	OVPA	X	-4.23	2
65	OVPA	Z	0	2
66	OVPA	Mx	0	2
67	MP2A	X	-1.707	3
68	MP2A	Z	0	3
69	MP2A	Mx	000854	3
70	MP2B	X	-2.792	3
71	MP2B	Z	0	3
72	MP2B	Mx	.000698	3
73	MP2C	X	-2.305	3
74	MP2C	Z	0	3
75	MP2C	Mx	.000883	3
76	MP3A	X	-2.108	3
77	MP3A	Z	0	3
78	MP3A	Mx	001	3
79	MP3B	X	-2.892	3
80	MP3B	Z	0	3
81	MP3B	Mx	.000723	3
82	MP3C	X	-2.54	3
83	MP3C	Z	0	3
84	MP3C	Mx	.000973	3
85	MP1B	X	-3.14	.5
86	MP1B	Z	0	.5
87	MP1B	Mx	001	.5
88	MP1B	X	-3.14	3.5
89	MP1B	Z	0	3.5
90	MP1B	Mx	001	3.5
91	MP5B	X	-3.14	.5
92	MP5B	Z	-3.14	.5
93	MP5B	Mx	001	.5
94	MP5B	X	-3.14	3.5
95	MP5B	Z	-3.14	3.5
96	MP5B	Mx	001	3.5
			-3.199	
97	MP1A	X		.5
98	MP1A	Z	0	.5
99	MP1A	Mx	.001	.5
100	MP1A	X	-3.199	3.5
101	MP1A	Z	0	3.5
102	MP1A	Mx	.001	3.5
103	MP1C	X	-3.651	.5
104	MP1C	Z	0	.5
105	MP1C	Mx	0	.5
106	MP1C	X	-3.651	3.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
107	MP1C	Z	0	3.5
108	MP1C	Mx	0	3.5
109	MP5A	X	-3.199	.5
110	MP5A	Z	0	.5
111	MP5A	Mx	.001	.5
112	MP5A	X	-3.199	3.5
113	MP5A	Z	0	3.5
114	MP5A	Mx	.001	3.5
115	MP5C	X	-3.651	.5
116	MP5C	Z	0	.5
117	MP5C	Mx	0	.5
118	MP5C	X	-3.651	3.5
119	MP5C	Z	0	3.5
120	MP5C	Mx	0	3.5
121	OVPB	X	-4.23	2
122	OVPB	Z	0	2
123	OVPB	Mx	0	2
124	OVPC	X	-4.23	2
125	OVPC	Z	0	2
126	OVPC	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3B	X	-8.324	.25
2	MP3B	Z	-4.806	.25
3	MP3B	Mx	008	.25
4	MP3B	X	-8.324	4.25
5	MP3B	Z	-4.806	4.25
6	MP3B	Mx	008	4.25
7	MP3B	X	-8.324	.25
8	MP3B	Z	-4.806	.25
9	MP3B	Mx	.008	.25
10	MP3B	X	-8.324	4.25
11	MP3B	Z	-4.806	4.25
12	MP3B	Mx	.008	4.25
13	MP3A	X	-4.4	.25
14	MP3A	Z	-2.54	.25
15	MP3A	Mx	.004	.25
16	MP3A	X	-4.4	4.25
17	MP3A	Z	-2.54	4.25
18	MP3A	Mx	.004	4.25
19	MP3C	X	-3.961	.25
20	MP3C	Z	-2.287	.25
21	MP3C	Mx	002	.25
22	MP3C	X	-3.961	4.25
23	MP3C	Z	-2.287	4.25
24	MP3C	Mx	002	4.25
25	MP3A	X	-4.4	.25
26	MP3A	Z	-2.54	.25
27	MP3A	Mx	.000718	.25
28	MP3A	X	-4.4	4.25
29	MP3A	Z	-2.54	4.25
30	MP3A	Mx	.000718	4.25
31	MP3C	X	-3.961	.25
32	MP3C	Z	-2.287	.25
33	MP3C	Mx	003	.25
34	MP3C	X	-3.961	4.25
35	MP3C	Z	-2.287	4.25



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

	ber I omt Loads (BLO or .			
20	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP3C	Mx	003	4.25
37	MP4A	X	-1.866	0
38	MP4A	Z	-1.077	0
39	MP4A	Mx	.000933	0
40	MP4A	X	-1.866	1
41	MP4A	Z	-1.077	1
42	MP4A	Mx	.000933	1
43	MP4B	X	-3.432	0
44	MP4B	Z	-1.981	0
45	MP4B	Mx	0	0
46	MP4B	X	-3.432	1
47	MP4B	Z	-1.981	1
48	MP4B	Mx	0	1
49	MP4C	X	-1.407	0
50	MP4C	Z	812	0
51	MP4C	Mx	0008	0
52	MP4C	X	-1.407	1
53	MP4C	Z	812	1
54	MP4C	Mx	0008	1
55	MP4A	X	516	4
56	MP4A	Z	298	4
57	MP4A	Mx	.000258	4
58	MP4B	X	-1.3	4
59	MP4B	Z	75	4
60	MP4B	Mx	0	4
61	MP4C	X	286	4
62	MP4C	Z	165	4
63	MP4C	Mx	000163	4
64	OVPA	X	-4.131	2
65	OVPA	Z	-2.385	2
66	OVPA	Mx	0	2
67	MP2A	X	-1.792	3
68	MP2A	Z	-1.034	3
69	MP2A	Mx	000896	3
70	MP2B	X	-2.731	3
71	MP2B	Z	-1.577	3
72	MP2B	Mx	0	3
73	MP2C	X	-1.516	3
74	MP2C	Z	875	3
75	MP2C	Mx	.000862	3
76	MP3A	X	-2.052	3
77	MP3A	Z	-1.185	3
78	MP3A	Mx	001	3
79	MP3B	X	-2.731	3
80	MP3B	Z	-1.577	3
81	MP3B	Mx	0	3
82	MP3C	X	-1.853	3
83	MP3C	Z	-1.03	3
84	MP3C	Mx	.001	3
85	MP1B	X	-2.878	.5
86	MP1B	Z	-1.661	.5
87	MP1B	Mx	000831	.5
88	MP1B	X	-2.878	3.5
	MP1B	Z		
89			-1.661	3.5
90	MP1B	Mx ×	000831	3.5
91	MP5B	X Z	-2.878	.5
92	MP5B		-1.661	.5
93	MP5B	Mx	000831	.5
94	MP5B	X	-2.878	3.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP5B	Z	-1.661	3.5
96	MP5B	Mx	000831	3.5
97	MP1A	X	-2.639	.5
98	MP1A	Z	-1.524	.5
99	MP1A	Mx	.002	.5
100	MP1A	X	-2.639	3.5
101	MP1A	Z	-1.524	3.5
102	MP1A	Mx	.002	3.5
103	MP1C	X	-3.031	.5
104	MP1C	Z	-1.75	.5
105	MP1C	Mx	000875	.5
106	MP1C	X	-3.031	3.5
107	MP1C	Z	-1.75	3.5
108	MP1C	Mx	000875	3.5
109	MP5A	X	-2.639	.5
110	MP5A	Z	-1.524	.5
111	MP5A	Mx	.002	.5
112	MP5A	X	-2.639	3.5
113	MP5A	Z	-1.524	3.5
114	MP5A	Mx	.002	3.5
115	MP5C	X	-3.031	.5
116	MP5C	Z	-1.75	.5
117	MP5C	Mx	000875	.5
118	MP5C	X	-3.031	3.5
119	MP5C	Z	-1.75	3.5
120	MP5C	Mx	000875	3.5
121	OVPB	X	-4.131	2
122	OVPB	Z	-2.385	2
123	OVPB	Mx	0	2
124	OVPC	X	-4.131	2
125	OVPC	Z	-2.385	2
126	OVPC	Mx	0	2

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	MP3B	X	-4.161	.25
2	MP3B	Z	-7.207	.25
3	MP3B	Mx	004	.25
4	MP3B	X	-4.161	4.25
5	MP3B	Z	-7.207	4.25
6	MP3B	Mx	004	4.25
7	MP3B	X	-4.161	.25
8	MP3B	Z	-7.207	.25
9	MP3B	Mx	.008	.25
10	MP3B	X	-4.161	4.25
11	MP3B	Z	-7.207	4.25
12	MP3B	Mx	.008	4.25
13	MP3A	X	-3.118	.25
14	MP3A	Z	-5.4	.25
15	MP3A	Mx	.005	.25
16	MP3A	X	-3.118	4.25
17	MP3A	Z	-5.4	4.25
18	MP3A	Mx	.005	4.25
19	MP3C	X	-2.387	.25
20	MP3C	Z	-4.134	.25
21	MP3C	Mx	003	.25
22	MP3C	X	-2.387	4.25
23	MP3C	Z	-4.134	4.25



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP3C	Mx	003	4.25
25	MP3A	X	-3.118	.25
26	MP3A	Z	-5.4	.25
27	MP3A	Mx	002	.25
28	MP3A	X	-3.118	4.25
29	MP3A	Z	-5.4	4.25
30	MP3A	Mx	002	4.25
31	MP3C	X	-2.387	.25
32	MP3C	Z	-4.134	.25
33	MP3C	Mx	001	.25
34	MP3C	X	-2.387	4.25
35	MP3C	Z	-4.134	4.25
36	MP3C	Mx	001	4.25
37	MP4A	X	-1.68	0
38	MP4A	Z	-2.91	0
39	MP4A	Mx	.00084	0
40	MP4A	X	-1.68	1
41	MP4A	Z	-2.91	1
42	MP4A	Mx	.00084	1
43	MP4B	X	-1.68	0
44	MP4B	Z	-2.91	0
45	MP4B	Mx	.00084	0
46	MP4B	X	-1.68	1
47	MP4B	Z	-2.91	1
48	MP4B	Mx	.00084	1
49	MP4C	X	917	0
50	MP4C	Z	-1.588	0
51	MP4C	Mx	000862	0
52	MP4C	X	917	1
53	MP4C	Z	-1.588	1
54	MP4C	Mx	000862	1
55	MP4A	X	6	4
56	MP4A	Z	-1.039	4 4
57 58	MP4A MP4B	Mx X	.0003 6	4
59	MP4B	Z	-1.039	4
60	MP4B	Mx	.0003	4
61	MP4C	X	218	4
62	MP4C	Z	377	4
63	MP4C	Mx	000205	4
64	OVPA	X	-2.925	2
65	OVPA	Z	-5.067	2
66	OVPA	Mx	0	2
67	MP2A	X	-1.396	3
68	MP2A	Z	-2.418	3
69	MP2A	Mx	000698	3
70	MP2B	X	-1.396	3
71	MP2B	Z	-2.418	3
72	MP2B	Mx	000698	3
73	MP2C	X	938	3
74	MP2C	Z	-1.625	3
75	MP2C	Mx	.000882	3 3
76	MP3A	X	-1.446	3
77	MP3A	Z	-2.505	3
78	MP3A	Mx	000723	3
79	MP3B	X	-1.446	3
80	MP3B	Z	-2.505	3
81	MP3B	Mx	000723	3
82	MP3C	X	-1.115	3



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP3C	Z	-1.931	3
84	MP3C	Mx	.001	3
85	MP1B	Χ	-1.707	.5
86	MP1B	Z	-2.957	.5
87	MP1B	Mx	0	.5
88	MP1B	Χ	-1.707	3.5
89	MP1B	Z	-2.957	3.5
90	MP1B	Mx	0	3.5
91	MP5B	X	-1.707	.5
92	MP5B	Z	-2.957	.5
93	MP5B	Mx	0	.5
94	MP5B	Χ	-1.707	3.5
95	MP5B	Z	-2.957	3.5
96	MP5B	Mx	0	3.5
97	MP1A	Χ	-1.599	.5
98	MP1A	Z	-2.77	.5
99	MP1A	Mx	.001	.5
100	MP1A	Χ	-1.599	3.5
101	MP1A	Z	-2.77	3.5
102	MP1A	Mx	.001	3.5
103	MP1C	X	-1.599	.5
104	MP1C	Z	-2.77	.5
105	MP1C	Mx	001	.5
106	MP1C	Χ	-1.599	3.5
107	MP1C	Z	-2.77	3.5
108	MP1C	Mx	001	3.5
109	MP5A	Χ	-1.599	.5
110	MP5A	Z	-2.77	.5
111	MP5A	Mx	.001	.5
112	MP5A	Χ	-1.599	3.5
113	MP5A	Z	-2.77	3.5
114	MP5A	Mx	.001	3.5
115	MP5C	Χ	-1.599	.5
116	MP5C	Z	-2.77	.5
117	MP5C	Mx	001	.5
118	MP5C	Χ	-1.599	3.5
119	MP5C	Z	-2.77	3.5
120	MP5C	Mx	001	3.5
121	OVPB	Χ	-2.925	2
122	OVPB	Z	-5.067	2
123	OVPB	Mx	0	2
124	OVPC	Χ	-2.925	2
125	OVPC	Z	-5.067	2
126	OVPC	Mx	0	2

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M109	Υ	-500	%67

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M109	Υ	-500	%17

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M109	Υ	-250	%50



Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M109	Υ	-250	0

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3B	Υ	-7.911	.25
2	MP3B	My	.008	.25
3	MP3B	Mz	000129	.25
4	MP3B	Y	-7.911	4.25
5	MP3B	My	.008	4.25
6	MP3B	Mz	000129	4.25
7	MP3B	Υ	-7.911	.25
8	MP3B	My	004	.25
9	MP3B	Mz	007	.25
10	MP3B	Y	-7.911	4.25
11	MP3B	My	004	4.25
12	MP3B	Mz	007	4.25
13	MP3A	Υ	-2.811	.25
14	MP3A	My	001	.25
15	MP3A	Mz	002	.25
16	MP3A	Y	-2.811	4.25
17	MP3A	My	001	4.25
18	MP3A	Mz	002	4.25
19	MP3C	Υ	-2.811	.25
20	MP3C	My	2.3e-5	.25
21	MP3C	Mz	.002	.25
22	MP3C	Y	-2.811	4.25
23	MP3C	My	2.3e-5	4.25
24	MP3C	Mz	.002	4.25
25	MP3A	Y	-2.811	.25
26	MP3A	My	001	.25
27	MP3A	Mz	.002	.25
28	MP3A	Y	-2.811	4.25
29	MP3A	My	001	4.25
30	MP3A	Mz	.002	4.25
31	MP3C	Y	-2.811	.25
32	MP3C	My	.002	.25
33	MP3C	Mz Y	000353	.25
34	MP3C		-2.811	4.25
35	MP3C	My	.002	4.25
36	MP3C	Mz Y	000353	4.25
37	MP4A MP4A	My	-5.602 003	0
39	MP4A MP4A	Mz Mz	003 0	0
40	MP4A MP4A	Y	-5.602	1
41	MP4A MP4A	My	-5.602 003	1
41	MP4A MP4A	Mz	003	1
43	MP4A MP4B	Y	-5.602	0
44	MP4B MP4B	My	.001	0
45	MP4B MP4B	Mz	002	0
46	MP4B	Y	-5.602	1
47	MP4B	My	.001	1
48	MP4B MP4B	Mz	002	1
49	MP4C	Y	-5.602	0
50	MP4C MP4C	My	.002	0
51	MP4C	Mz	.002	0
52	MP4C	Y	-5.602	1
53	MP4C	My	.002	1
54	MP4C	Mz	.002	1
U 1	IVII 40	IVIZ	.002	



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
55	MP4A	Υ	566	4
56	MP4A	My	000283	4
57	MP4A	Mz	0	4
58	MP4B	Υ	566	4
59	MP4B	My	.000142	4
60	MP4B	Mz	000245	4
61	MP4C	Υ	566	4
62	MP4C	My	.000217	4
63	MP4C	Mz	.000182	4
64	OVPA	Υ	-4.116	2
65	OVPA	My	0	2
66	OVPA	Mz	0	2
67	MP2A	Υ	-9.043	3
68	MP2A	My	.005	3
69	MP2A	Mz	0	3
70	MP2B	Υ	-9.043	3
71	MP2B	My	002	3
72	MP2B	Mz	.004	3
73	MP2C	Υ	-9.043	3
74	MP2C	My	003	3
75	MP2C	Mz	003	3
76	MP3A	Υ	-9.609	3
77	MP3A	My	.005	3
78	MP3A	Mz	0	3
79	MP3B	Υ	-9.609	3
80	MP3B	My	002	3
81	MP3B	Mz	.004	3
82	MP3C	Y	-9.609	3
83	MP3C	My	004	3
84	MP3C	Mz	003	3
85	MP1B	Y	-1.01	.5
86	MP1B	My	.000437	.5
87 88	MP1B MP1B	Mz Y	000252	.5 3.5
89	MP1B	My	-1.01 .000437	3.5
90	MP1B	Mz	000457	3.5
91	MP5B	Y	-1.01	.5
92	MP5B	My	.000437	.5
93	MP5B	Mz	000457	.5
94	MP5B	Y	-1.01	3.5
95	MP5B	My	.000437	3.5
96	MP5B	Mz	000457	3.5
97	MP1A	Y	772	.5
98	MP1A	My	000334	.5
99	MP1A	Mz	000334	.5
100	MP1A	Y	772	3.5
101	MP1A	My	000334	3.5
102	MP1A	Mz	000193	3.5
103	MP1C	Y	772	.5
104	MP1C	My	0	.5
105	MP1C	Mz	.000386	.5
106	MP1C	Υ	772	3.5
107	MP1C	My	0	3.5
108	MP1C	Mz	.000386	3.5
109	MP5A	Υ	772	.5
110	MP5A	My	000334	.5
111	MP5A	Mz	000193	.5
112	MP5A	Υ	772	3.5
113	MP5A	My	000334	3.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
114	MP5A	Mz	000193	3.5
115	MP5C	Υ	772	.5
116	MP5C	My	0	.5
117	MP5C	Mz	.000386	.5
118	MP5C	Υ	772	3.5
119	MP5C	My	0	3.5
120	MP5C	Mz	.000386	3.5
121	OVPB	Υ	-4.116	2
122	OVPB	My	0	2
123	OVPB	Mz	0	2
124	OVPC	Υ	-4.116	2
125	OVPC	My	0	2
126	OVPC	Mz	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3B	Z	-19.778	.25
2	MP3B	Mx	.000323	.25
3	MP3B	Z	-19.778	4.25
4	MP3B	Mx	.000323	4.25
5	MP3B	Z	-19.778	.25
6	MP3B	Mx	.017	.25
7	MP3B	Z	-19.778	4.25
8	MP3B	Mx	.017	4.25
9	MP3A	Z	-7.027	.25
10	MP3A	Mx	.004	.25
11	MP3A	Z	-7.027	4.25
12	MP3A	Mx	.004	4.25
13	MP3C	Z	-7.027	.25
14	MP3C	Mx	005	.25
15	MP3C	Z	-7.027	4.25
16	MP3C	Mx	005	4.25
17	MP3A	Z	-7.027	.25
18	MP3A	Mx	004	.25
19	MP3A	Z	-7.027	4.25
20	MP3A	Mx	004	4.25
21	MP3C	Z	-7.027	.25
22	MP3C	Mx	.000882	.25
23	MP3C	Z	-7.027	4.25
24	MP3C	Mx	.000882	4.25
25	MP4A	Z	-14.006	0
26	MP4A	Mx	0	0
27	MP4A	Z	-14.006	1
28	MP4A	Mx	0	1
29	MP4B	Z	-14.006	0
30	MP4B	Mx	.006	0
31	MP4B	Z	-14.006	1
32	MP4B	Mx	.006	1
33	MP4C	Z	-14.006	0
34	MP4C	Mx	005	0
35	MP4C	Z	-14.006	1
36	MP4C	Mx	005	1
37	MP4A	Z	-1.415	4
38	MP4A	Mx	0	4
39	MP4B	Z	-1.415	4
40	MP4B	Mx	.000613	4
41	MP4C	Z	-1.415	4
42	MP4C	Mx	000455	4



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	OVPA	Z	-10.291	2
44	OVPA	Mx	0	2
45	MP2A	Z	-22.608	3
46	MP2A	Mx	0	3
47	MP2B	Z	-22.608	3
48	MP2B	Mx	01	3
49	MP2C	Z	-22.608	3
50	MP2C	Mx	.007	3
51	MP3A	Z	-24.024	3
52	MP3A	Mx	0	3
53	MP3B	Z	-24.024	3
54	MP3B	Mx	01	3
55	MP3C	Z	-24.024	3
56	MP3C	Mx	.008	3
57	MP1B	Z	-2.525	.5
58	MP1B	Mx	.000631	.5
59	MP1B	Z	-2.525	3.5
60	MP1B	Mx	.000631	3.5
61	MP5B	Z	-2.525	.5
62	MP5B	Mx	.000631	.5
63	MP5B	Z	-2.525	3.5
64	MP5B	Mx	.000631	3.5
65	MP1A	Z	-1.93	.5
66	MP1A	Mx	.000482	.5
67	MP1A	Z	-1.93	3.5
68	MP1A	Mx	.000482	3.5
69	MP1C	Z	-1.93	.5
70	MP1C	Mx	000965	.5
71	MP1C	Z	-1.93	3.5
72	MP1C	Mx	000965	3.5
73	MP5A	Z	-1.93	.5
74	MP5A	Mx	.000482	.5
75	MP5A	Z	-1.93	3.5
76	MP5A	Mx	.000482	3.5
77	MP5C	Z	-1.93	.5
78	MP5C	Mx	000965	.5
79	MP5C	Z	-1.93	3.5
80	MP5C	Mx	000965	3.5
81	OVPB	Z	-10.291	2
82	OVPB	Mx	0	2
83	OVPC	Z	-10.291	2
84	OVPC	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3B	X	19.778	.25
2	MP3B	Mx	.019	.25
3	MP3B	Χ	19.778	4.25
4	MP3B	Mx	.019	4.25
5	MP3B	X	19.778	.25
6	MP3B	Mx	009	.25
7	MP3B	X	19.778	4.25
8	MP3B	Mx	009	4.25
9	MP3A	X	7.027	.25
10	MP3A	Mx	004	.25
11	MP3A	X	7.027	4.25
12	MP3A	Mx	004	4.25
13	MP3C	Χ	7.027	.25



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

mom	ber Point Loads (BLC 63	Antenna En (00	Bog// (Commuca)	
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
14	MP3C	Mx	5.7e-5	.25
15	MP3C	X	7.027	4.25
16	MP3C	Mx	5.7e-5	4.25
17	MP3A	X	7.027	.25
18	MP3A	Mx	004	.25
19	MP3A	X	7.027	4.25
20	MP3A	Mx	004	4.25
21	MP3C	X	7.027	.25
22	MP3C	Mx	.005	.25
23	MP3C	X	7.027	4.25
24	MP3C	Mx	.005	4.25
25	MP4A	X	14.006	0
26	MP4A	Mx	007	0
27	MP4A	X	14.006	1
28	MP4A	Mx	007	1
29	MP4B	X	14.006	0
30	MP4B	Mx	.004	0
31	MP4B	X	14.006	1
32	MP4B	Mx	.004	1
33	MP4C	X	14.006	0
34	MP4C	Mx	.005	0
35	MP4C	X	14.006	1
36	MP4C	Mx	.005	1
37	MP4A	X	1.415	4
38	MP4A	Mx	000708	4
39	MP4B	X	1.415	4
40	MP4B	Mx	.000354	4
41	MP4C	X	1.415	4
42	MP4C	Mx	.000542	4
43	OVPA	X	10.291	2
44	OVPA	Mx	0	2
45	MP2A	X	22.608	3
46	MP2A	Mx	.011	3
47	MP2B	X	22.608	3
48	MP2B	Mx	006	3
49	MP2C	X	22.608	3
50	MP2C	Mx	009	3
51	MP3A	X	24.024	3
52	MP3A	Mx	.012	3
53	MP3B	X	24.024	3
54	MP3B	Mx	006	3
55	MP3C	X	24.024	3
56	MP3C	Mx	009	3
57	MP1B	X	2.525	.5
58	MP1B	Mx	.001	.5
59	MP1B	X	2.525	3.5
60	MP1B	Mx	.001	3.5
61	MP5B	X	2.525	.5
62	MP5B	Mx	.001	.5
63	MP5B	X	2.525	3.5
64	MP5B	Mx	.001	3.5
65	MP1A	X	1.93	.5
66	MP1A	Mx	000836	.5
67	MP1A	X	1.93	3.5
68	MP1A	Mx	000836	3.5
69	MP1C	X	1.93	.5
70	MP1C	Mx	0	.5
71	MP1C	X	1.93	3.5
72	MP1C	Mx	0	3.5
12	IVII TO	IVIA	V	0.0



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP5A	X	1.93	.5
74	MP5A	Mx	000836	.5
75	MP5A	X	1.93	3.5
76	MP5A	Mx	000836	3.5
77	MP5C	X	1.93	.5
78	MP5C	Mx	0	.5
79	MP5C	X	1.93	3.5
80	MP5C	Mx	0	3.5
81	OVPB	X	10.291	2
82	OVPB	Mx	0	2
83	OVPC	X	10.291	2
84	OVPC	Mx	0	2

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft	.End Magnitude[lb/ft,	Start Location[ft.%]	End Location[ft,%]
1	M109	Υ	-5.993	-5.993	0	%100
2	M110	Υ	-5.993	-5.993	0	%100
3	MP5A	Υ	-4.481	-4.481	0	%100
4	POS.5A	Υ	-4.481	-4.481	0	%100
5	M113	Υ	-4.481	-4.481	0	%100
6	MP3A	Υ	-4.481	-4.481	0	%100
7	MP1A	Υ	-4.481	-4.481	0	%100
8	M116	Υ	-6.084	-6.084	0	%100
9	M117	Υ	-6.084	-6.084	0	%100
10	M118	Υ	-6.084	-6.084	0	%100
11	M119	Υ	-6.084	-6.084	0	%100
12	M120	Υ	-6.084	-6.084	0	%100
13	M121	Υ	-6.084	-6.084	0	%100
14	OVPA	Υ	-5.132	-5.132	0	%100
15	M127	Υ	-5.072	-5.072	0	%100
16	M128	Υ	-5.072	-5.072	0	%100
17	POS.4A	Υ	-4.481	-4.481	0	%100
18	MP2A	Υ	-4.481	-4.481	0	%100
19	MP4A	Υ	-4.481	-4.481	0	%100
20	M30B	Υ	-8.755	-8.755	0	%100
21	M31B	Υ	-8.755	-8.755	0	%100
22	M34	Υ	-5.993	-5.993	0	%100
23	M35	Υ	-5.993	-5.993	0	%100
24	MP5C	Υ	-4.481	-4.481	0	%100
25	POS.5C	Υ	-4.481	-4.481	0	%100
26	M38	Υ	-4.481	-4.481	0	%100
27	MP3C	Υ	-4.481	-4.481	0	%100
28	MP1C	Υ	-4.481	-4.481	0	%100
29	M41	Υ	-6.084	-6.084	0	%100
30	M42	Υ	-6.084	-6.084	0	%100
31	M43	Υ	-6.084	-6.084	0	%100
32	M44	Υ	-6.084	-6.084	0	%100
33	M45	Υ	-6.084	-6.084	0	%100
34	M46	Υ	-6.084	-6.084	0	%100
35	OVPC	Υ	-5.132	-5.132	0	%100
36	M52	Υ	-5.072	-5.072	0	%100
37	M53	Υ	-5.072	-5.072	0	%100
38	POS.4C	Υ	-4.481	-4.481	0	%100
39	MP2C	Υ	-4.481	-4.481	0	%100
40	MP4C	Υ	-4.481	-4.481	0	%100
41	M63	Υ	-8.755	-8.755	0	%100
42	M64	Υ	-8.755	-8.755	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
43	M67	Υ	-5.993	-5.993	0	%100
44	M68	Υ	-5.993	-5.993	0	%100
45	MP5B	Υ	-4.481	-4.481	0	%100
46	POS.5B	Υ	-4.481	-4.481	0	%100
47	M71	Υ	-4.481	-4.481	0	%100
48	MP3B	Υ	-4.481	-4.481	0	%100
49	MP1B	Υ	-4.481	-4.481	0	%100
50	M74	Υ	-6.084	-6.084	0	%100
51	M75	Υ	-6.084	-6.084	0	%100
52	M76	Υ	-6.084	-6.084	0	%100
53	M77	Υ	-6.084	-6.084	0	%100
54	M78	Υ	-6.084	-6.084	0	%100
55	M79	Υ	-6.084	-6.084	0	%100
56	OVPB	Υ	-5.132	-5.132	0	%100
57	M85	Υ	-5.072	-5.072	0	%100
58	M86	Υ	-5.072	-5.072	0	%100
59	POS.4B	Υ	-4.481	-4.481	0	%100
60	MP2B	Υ	-4.481	-4.481	0	%100
61	MP4B	Υ	-4.481	-4.481	0	%100
62	M96	Υ	-8.755	-8.755	0	%100
63	M97	Υ	-8.755	-8.755	0	%100
64	M113A	Υ	-3.863	-3.863	0	%100
65	M114	Υ	-2.202	-2.202	0	%100
66	M115	Υ	-2.202	-2.202	0	%100
67	M124A	Υ	-2.202	-2.202	0	%100
68	M125A	Υ	-2.202	-2.202	0	%100
69	M113B	Υ	-3.863	-3.863	0	%100
70	M114A	Υ	-3.863	-3.863	0	%100
71	M115A	Υ	-3.863	-3.863	0	%100
72	M116B	Υ	-9.229	-9.229	0	%100
73	M117B	Υ	-9.229	-9.229	0	%100
74	M118B	Υ	-9.229	-9.229	0	%100
75	M119B	Υ	-9.229	-9.229	0	%100
76	M120B	Υ	-9.229	-9.229	0	%100
77	M121B	Υ	-9.229	-9.229	0	%100
78	M126A	Υ	-4.481	-4.481	0	%100
79	M130	Υ	-4.481	-4.481	0	%100
80	M135	Υ	-4.481	-4.481	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft	.End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
1	M109	X	0	0	0	%100
2	M109	Z	-11.055	-11.055	0	%100
3	M110	X	0	0	0	%100
4	M110	Z	-11.055	-11.055	0	%100
5	MP5A	X	0	0	0	%100
6	MP5A	Z	-5.988	-5.988	0	%100
7	POS.5A	X	0	0	0	%100
8	POS.5A	Z	-5.988	-5.988	0	%100
9	M113	X	0	0	0	%100
10	M113	Z	-5.693	-5.693	0	%100
11	MP3A	X	0	0	0	%100
12	MP3A	Z	-5.988	-5.988	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-5.988	-5.988	0	%100
15	M116	X	0	0	0	%100
16	M116	Z	-2.061	-2.061	0	%100
17	M117	Χ	0	0	0	%100



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

	iber Bistributeu Eet	(==0		(0 2 0 3// (0 0		
	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
18	M117	Z	-9.139	-9.139	0	%100
19	M118	X	0	0	0	%100
20	M118	Z	-2.061	-2.061	0	%100
21	M119	X	0	0	0	%100 %100
22	M119	Z	-2.061	-2.061	0	%100 %100
23	M120	X	0	0	0	%100
24	M120	Z	-9.139	-9.139	0	%100
25	M121	X	0	0	0	%100
26	M121	Z	-2.061	-2.061	0	%100
27	OVPA	X	0	0	0	%100
28	OVPA	Z	-6.062	-6.062	0	%100
29	M127	X	0	0	0	%100
30	M127	Z	-7.536	-7.536	0	%100
31	M128	X	0	0	0	%100
32	M128	Z	-7.536	-7.536	0	%100 %100
33	POS.4A	X	0	0	0	%100 %100
		Z	_	-		
34	POS.4A		-6.301	-6.301	0	%100
35	MP2A	X	0	0	0	%100
36	MP2A	Z	-6.301	-6.301	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	-6.301	-6.301	0	%100
39	M30B	X	0	0	0	%100
40	M30B	Z	-4.12	-4.12	0	%100
41	M31B	X	0	0	0	%100
42	M31B	Z	-4.12	-4.12	0	%100
43	M34	X	0	0	0	%100 %100
44	M34	Z	-2.764	-2.764	0	%100 %100
45	M35	X	-2.704	-2.704	0	%100 %100
			_	7		
46	M35	Z	-2.764	-2.764	0	%100
47	MP5C	X	0	0	0	%100
48	MP5C	Z	-5.988	-5.988	0	%100
49	POS.5C	X	0	0	0	%100
50	POS.5C	Z	-5.988	-5.988	0	%100
51	M38	X	0	0	0	%100
52	M38	Z	-5.693	-5.693	0	%100
53	MP3C	X	0	0	0	%100
54	MP3C	Z	-5.988	-5.988	0	%100
55	MP1C	X	0	0	0	%100
56	MP1C	Z	-5.988	-5.988	0	%100 %100
57	M41	X	0	0	0	%100 %100
58	M41	Z	-8.684	-8.684	0	%100 %100
59	M42	Z	0	0	0	%100 %400
60	M42		-2.285	-2.285	0	%100 %400
61	M43	X	0	0	0	%100
62	M43	Z	-2.284	-2.284	0	%100
63	M44	X	0	0	0	%100
64	M44	Z	-8.684	-8.684	0	%100
65	M45	X	0	0	0	%100
66	M45	Z	-2.285	-2.285	0	%100
67	M46	X	0	0	0	%100
68	M46	Z	-2.284	-2.284	0	%100
69	OVPC	X	0	0	0	%100 %100
70	OVPC	Z	-6.062	-6.062	0	%100 %100
71	M52	X	0 7.500	0	0	%100 %400
72	M52	Z	-7.536	-7.536	0	%100
73	M53	X	0	0	0	%100
74	M53	Z	-7.536	-7.536	0	%100
75	POS.4C	X	0	0	0	%100
76	POS.4C	Z	-6.301	-6.301	0	%100



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

	bei bistributeu Lot			(= -3// (=	,	
	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
77	MP2C	X	0	0	0	%100
78	MP2C	Z	-6.301	-6.301	0	%100
79	MP4C	Х	0	0	0	%100
80	MP4C	Z	-6.301	-6.301	0	%100
81	M63	X	0	0	0	%100 %100
82	M63	Z	-16.48	-16.48	0	%100 %100
83	M64	X	0	0	0	%100 %100
			-16.48	*		
84	M64	Z		-16.48	0	%100
85	M67	X	0	0	0	%100
86	M67	Z	-2.764	-2.764	0	%100
87	M68	X	0	0	0	%100
88	M68	Z	-2.764	-2.764	0	%100
89	MP5B	X	0	0	0	%100
90	MP5B	Z	-5.988	-5.988	0	%100
91	POS.5B	X	0	0	0	%100
92	POS.5B	Z	-5.988	-5.988	0	%100
93	M71	X	0	0	0	%100
94	M71	Z	-5.693	-5.693	0	%100
95	MP3B	X	0	0	0	%100 %100
96	MP3B	Z	-5.988	-5.988	0	%100 %100
97	MP1B	X	-5.966	-3.966	0	%100 %100
		Z		-	0	%100 %100
98	MP1B		-5.988	-5.988		
99	M74	X	0	0	0	%100
100	M74	Z	-2.284	-2.284	0	%100
101	M75	X	0	0	0	%100
102	M75	Z	-2.285	-2.285	0	%100
103	M76	X	0	0	0	%100
104	M76	Z	-8.684	-8.684	0	%100
105	M77	X	0	0	0	%100
106	M77	Z	-2.284	-2.284	0	%100
107	M78	X	0	0	0	%100
108	M78	Z	-2.285	-2.285	0	%100
109	M79	X	0	0	0	%100
110	M79	Z	-8.684	-8.684	0	%100
111	OVPB	X	0	0	0	%100
112	OVPB	Z	-6.062	-6.062	0	%100
113	M85	X	0	0	0	%100
114	M85	Z	-7.536	-7.536	0	%100 %100
115	M86	X	0	0	0	%100 %100
116	M86	Z	-7.536	-7.536	0	%100 %100
	POS.4B	X	0	0	0	
117						%100 %100
118	POS.4B	Z	-6.301	-6.301	0	%100 %100
119	MP2B	X	0	0	0	%100 %400
120	MP2B	Z	-6.301	-6.301	0	%100
121	MP4B	X	0	0	0	%100
122	MP4B	Z	-6.301	-6.301	0	%100
123	M96	X	0	0	0	%100
124	M96	Z	-4.12	-4.12	0	%100
125	M97	X	0	0	0	%100
126	M97	Z	-4.12	-4.12	0	%100
127	M113A	X	0	0	0	%100
128	M113A	X Z	-4.476	-4.476	0	%100
129	M114	X	0	0	0	%100
130	M114	Z	778	778	0	%100 %100
131	M115	X	0	0	0	%100 %100
132	M115	Z	778	778	0	%100 %100
133	M124A	X	0	//8	0	%100 %100
		Z	778		0	
134	M124A			778		%100 %100
135	M125A	X	0	0	0	%100

Jan 17, 2022 12:10 PM Checked By:_____

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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
136	M125A	Z	778	778	0	%100
137	M113B	X	0	0	0	%100
138	M113B	Z	-2.184	-2.184	0	%100
139	M114A	X	0	0	0	%100
140	M114A	Z	526	526	0	%100
141	M115A	X	0	0	0	%100
142	M115A	Z	-4.852	-4.852	0	%100
143	M116B	X	0	0	0	%100
144	M116B	Z	995	995	0	%100
145	M117B	X	0	0	0	%100
146	M117B	Z	995	995	0	%100
147	M118B	X	0	0	0	%100
148	M118B	Z	995	995	0	%100
149	M119B	X	0	0	0	%100
150	M119B	Z	995	995	0	%100
151	M120B	X	0	0	0	%100
152	M120B	Z	0	0	0	%100
153	M121B	X	0	0	0	%100
154	M121B	Z	0	0	0	%100
155	M126A	X	0	0	0	%100
156	M126A	Z	-6.301	-6.301	0	%100
157	M130	X	0	0	0	%100
158	M130	Z	-1.575	-1.575	0	%100
159	M135	X	0	0	0	%100
160	M135	Z	-1.575	-1.575	0	%100

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

Member Labe Direction Start Magnitude b/ft End Magnitude b/ft Start Location ft.% End Location ft.%					(00 2 03//		
2 M109 Z -7.181 -7.181 0 %100 3 M110 X 4.146 4.146 0 %100 4 M110 Z -7.181 -7.181 0 %100 5 MP5A X 2.994 0 %100 %100 6 MP5A Z -5.186 -5.186 0 %100 7 POS.5A X 2.994 2.994 0 %100 8 POS.5A Z -5.186 -5.186 0 %100 9 M113 X 2.847 2.847 0 %100 10 M113 X 2.847 2.847 0 %100 11 MP3A X 2.994 2.994 0 %100 12 MP3A Z -5.186 -5.186 0 %100 13 MP1A X 2.994 0 %100 %100 14							
3 M110 X 4.146 4.146 0 %100 4 M110 Z -7.181 -7.181 0 %100 5 MP5A X 2.994 0 %100 6 MP5A Z -5.186 -5.186 0 %100 7 POS.5A X 2.994 2.994 0 %100 8 POS.5A Z -5.186 -5.186 0 %100 9 M113 X 2.847 2.847 0 %100 10 M113 X 2.847 2.847 0 %100 11 MP3A X 2.994 2.994 0 %100 12 MP3A Z -5.186 -5.186 0 %100 13 MP1A X 2.994 2.994 0 %100 14 MP1A Z -5.186 -5.186 0 %100 15 M116	1	M109		4.146	4.146	0	%100
4 M110 Z -7.181 -7.181 0 %100 5 MP5A X 2.994 2.994 0 %100 6 MP5A Z -5.186 -5.186 0 %100 7 POS.5A X 2.994 2.994 0 %100 8 POS.5A Z -5.186 -5.186 0 %100 9 M113 X 2.847 2.847 0 %100 10 M113 Z -4.931 -4.931 0 %100 11 MP3A X 2.994 2.994 0 %100 12 MP3A Z -5.186 -5.186 0 %100 13 MP1A X 2.994 2.994 0 %100 14 MP1A Z -5.186 -5.186 0 %100 15 M116 X 0.0096 0 %100 16 M116		M109		-7.181	-7.181	0	%100
5 MP5A X 2.994 2.994 0 %100 6 MP5A Z -5.186 -5.186 0 %100 7 POS.5A X 2.994 2.994 0 %100 8 POS.5A Z -5.186 -5.186 0 %100 9 M113 X 2.847 0 %100 10 M113 Z -4.931 -4.931 0 %100 11 MP3A X 2.994 2.994 0 %100 12 MP3A Z -5.186 -5.186 0 %100 12 MP3A Z -5.186 -5.186 0 %100 14 MP1A X 2.994 2.994 0 %100 15 M116 X 0.0096 0 0 %100 15 M116 X 0.0096 0 %100 17 M117 X <	3	M110		4.146	4.146	0	%100
6 MP5A Z -5.186 -5.186 0 %100 7 POS.5A X 2.994 2.994 0 %100 8 POS.5A Z -5.186 -5.186 0 %100 9 M113 X 2.847 2.847 0 %100 10 M113 Z -4.931 -4.931 0 %100 11 MP3A X 2.994 2.994 0 %100 12 MP3A Z -5.186 -5.186 0 %100 13 MP1A X 2.994 2.994 0 %100 14 MP1A X 2.994 2.994 0 %100 14 MP1A X 2.994 2.994 0 %100 15 M116 X 0.0096 .0096 0 %100 15 M116 X 0.0096 .00096 0 %100 17	4	M110		-7.181	-7.181	0	%100
7 POS.5A X 2.994 2.994 0 %100 8 POS.5A Z -5.186 -5.186 0 %100 9 M113 X 2.847 2.847 0 %100 10 M113 Z -4.931 0 %100 11 MP3A X 2.994 2.994 0 %100 12 MP3A Z -5.186 -5.186 0 %100 13 MP1A X 2.994 2.994 0 %100 14 MP1A X 2.994 2.994 0 %100 15 M116 X 0.0096 0 %100 15 M116 X 0.0096 0 %100 17 M117 X 3.427 3.427 0 %100 18 M117 Z -5.936 -5.936 0 %100 20 M118	5	MP5A		2.994	2.994	0	%100
8 POS.5A Z -5.186 -5.186 0 %100 9 M113 X 2.847 2.847 0 %100 10 M113 Z -4.931 -4.931 0 %100 11 MP3A X 2.994 2.994 0 %100 12 MP3A Z -5.186 -5.186 0 %100 13 MP1A X 2.994 2.994 0 %100 14 MP1A X 2.994 2.994 0 %100 14 MP1A X 2.994 0 %100 15 M116 X 0.0096 .0096 0 %100 16 M116 X 0.0096 .00096 0 %100 18 M117 X 3.427 3.427 0 %100 19 M118 X 3.201 3.201 0 %100 20 M118	6	MP5A		-5.186	-5.186	0	
9 M113 X 2.847 2.847 0 %100 10 M113 Z -4.931 -4.931 0 %100 11 MP3A X 2.994 2.994 0 %100 12 MP3A Z -5.186 -5.186 0 %100 13 MP1A X 2.994 2.994 0 %100 14 MP1A Z -5.186 -5.186 0 %100 15 M116 X .00096 .00096 0 %100 15 M116 X .00096 .00096 0 %100 16 M116 Z 002 002 0 %100 17 M117 X 3.427 3.427 0 %100 18 M117 Z -5.936 -5.936 0 %100 20 M118 X 3.201 3.201 0 %100 21	7	POS.5A	Χ	2.994	2.994	0	%100
10 M113 Z -4.931 -4.931 0 %100 11 MP3A X 2.994 2.994 0 %100 12 MP3A Z -5.186 -5.186 0 %100 13 MP1A X 2.994 2.994 0 %100 14 MP1A Z -5.186 -5.186 0 %100 15 M116 X .00096 .00096 0 %100 16 M116 X .00096 .0002 0 %100 17 M117 X 3.427 3.427 0 %100 18 M117 Z -5.936 -5.936 0 %100 19 M118 X 3.201 3.201 0 %100 20 M118 X 3.201 3.201 0 %100 21 M119 X .00096 .00096 0 %100 22 <td>8</td> <td>POS.5A</td> <td></td> <td>-5.186</td> <td>-5.186</td> <td>0</td> <td>%100</td>	8	POS.5A		-5.186	-5.186	0	%100
11 MP3A X 2.994 2.994 0 %100 12 MP3A Z -5.186 -5.186 0 %100 13 MP1A X 2.994 2.994 0 %100 14 MP1A Z -5.186 -5.186 0 %100 15 M116 X .00096 .00096 0 %100 16 M116 Z 002 002 0 %100 17 M117 X 3.427 0 %100 18 M117 Z -5.936 -5.936 0 %100 19 M118 X 3.201 3.201 0 %100 20 M118 Z -5.544 -5.544 0 %100 21 M119 X .00096 .00096 0 %100 22 M119 Z 002 002 0 %100 23 M120	9	M113		2.847	2.847	0	%100
12 MP3A Z -5.186 -5.186 0 %100 13 MP1A X 2.994 2.994 0 %100 14 MP1A Z -5.186 -5.186 0 %100 15 M116 X .00096 .00096 0 %100 16 M116 Z 002 002 0 %100 17 M117 X 3.427 3.427 0 %100 18 M117 Z -5.936 -5.936 0 %100 19 M118 X 3.201 0 %100 20 M118 X 3.201 0 %100 21 M119 X .00096 .00096 0 %100 21 M119 X .00096 .00096 0 %100 23 M120 X 3.427 3.427 0 %100 24 M120 Z	10	M113		-4.931	-4.931	0	%100
13 MP1A X 2.994 2.994 0 %100 14 MP1A Z -5.186 -5.186 0 %100 15 M116 X .00096 .00096 0 %100 16 M116 Z 002 002 0 %100 17 M117 X 3.427 3.427 0 %100 18 M117 Z -5.936 -5.936 0 %100 19 M118 X 3.201 3.201 0 %100 20 M118 Z -5.544 -5.544 0 %100 21 M119 X .00096 0 %100 22 M119 Z 002 002 0 %100 23 M120 X 3.427 0 %100 %100 24 M120 Z -5.936 -5.936 0 %100 25 M121	11	MP3A		2.994	2.994	0	%100
14 MP1A Z -5.186 -5.186 0 %100 15 M116 X .00096 .00096 0 %100 16 M116 Z 002 002 0 %100 17 M117 X 3.427 3.427 0 %100 18 M117 Z -5.936 -5.936 0 %100 19 M118 X 3.201 3.201 0 %100 20 M118 Z -5.544 -5.544 0 %100 21 M119 X .00096 .00096 0 %100 22 M119 Z 002 002 0 %100 23 M120 X 3.427 3.427 0 %100 24 M120 Z -5.936 -5.936 0 %100 25 M121 X 3.201 3.201 0 %100 26	12	MP3A	Z	-5.186	-5.186	0	%100
15 M116 X .00096 .00096 0 %100 16 M116 Z 002 002 0 %100 17 M117 X 3.427 3.427 0 %100 18 M117 Z -5.936 -5.936 0 %100 19 M118 X 3.201 3.201 0 %100 20 M118 Z -5.544 -5.544 0 %100 21 M119 X .00096 .00096 0 %100 22 M119 Z 002 002 0 %100 23 M120 X 3.427 3.427 0 %100 24 M120 Z -5.936 -5.936 0 %100 25 M121 X 3.201 3.201 0 %100 26 M121 Z -5.544 -5.544 0 %100 28	13	MP1A	X	2.994	2.994	0	%100
16 M116 Z 002 002 0 %100 17 M117 X 3.427 3.427 0 %100 18 M117 Z -5.936 -5.936 0 %100 19 M118 X 3.201 3.201 0 %100 20 M118 Z -5.544 -5.544 0 %100 20 M119 X .00096 .00096 0 %100 21 M119 X .00096 .00096 0 %100 22 M119 Z 002 002 0 %100 23 M120 X 3.427 3.427 0 %100 24 M120 Z -5.936 -5.936 0 %100 25 M121 X 3.201 3.201 0 %100 26 M121 Z -5.544 -5.544 0 %100 28	14	MP1A		-5.186	-5.186	0	%100
17 M117 X 3.427 3.427 0 %100 18 M117 Z -5.936 -5.936 0 %100 19 M118 X 3.201 3.201 0 %100 20 M118 Z -5.544 -5.544 0 %100 21 M119 X .00096 .00096 0 %100 22 M119 Z 002 002 0 %100 23 M120 X 3.427 3.427 0 %100 24 M120 Z -5.936 -5.936 0 %100 25 M121 X 3.201 3.201 0 %100 26 M121 Z -5.544 -5.544 0 %100 27 OVPA X 3.031 3.031 0 %100 28 OVPA Z -5.25 -5.25 0 %100 29	15	M116	X	.00096	.00096	0	%100
18 M117 Z -5.936 -5.936 0 %100 19 M118 X 3.201 3.201 0 %100 20 M118 Z -5.544 -5.544 0 %100 21 M119 X .00096 .00096 0 %100 22 M119 Z 002 002 0 %100 23 M120 X 3.427 0 %100 24 M120 Z -5.936 -5.936 0 %100 25 M121 X 3.201 3.201 0 %100 26 M121 Z -5.544 -5.544 0 %100 27 OVPA X 3.031 3.031 0 %100 28 OVPA Z -5.25 -5.25 0 %100 29 M127 X 3.768 3.768 0 %100	16	M116	Z	002	002	0	%100
19 M118 X 3.201 3.201 0 %100 20 M118 Z -5.544 -5.544 0 %100 21 M119 X .00096 .00096 0 %100 22 M119 Z 002 002 0 %100 23 M120 X 3.427 3.427 0 %100 24 M120 Z -5.936 -5.936 0 %100 25 M121 X 3.201 3.201 0 %100 26 M121 Z -5.544 -5.544 0 %100 27 OVPA X 3.031 3.031 0 %100 28 OVPA Z -5.25 -5.25 0 %100 29 M127 X 3.768 3.768 0 %100	17	M117		3.427	3.427	0	%100
20 M118 Z -5.544 -5.544 0 %100 21 M119 X .00096 .00096 0 %100 22 M119 Z 002 002 0 %100 23 M120 X 3.427 3.427 0 %100 24 M120 Z -5.936 -5.936 0 %100 25 M121 X 3.201 3.201 0 %100 26 M121 Z -5.544 -5.544 0 %100 27 OVPA X 3.031 3.031 0 %100 28 OVPA Z -5.25 -5.25 0 %100 29 M127 X 3.768 3.768 0 %100	18	M117	Z	-5.936	-5.936	0	%100
21 M119 X .00096 .00096 0 %100 22 M119 Z 002 002 0 %100 23 M120 X 3.427 3.427 0 %100 24 M120 Z -5.936 -5.936 0 %100 25 M121 X 3.201 3.201 0 %100 26 M121 Z -5.544 -5.544 0 %100 27 OVPA X 3.031 3.031 0 %100 28 OVPA Z -5.25 -5.25 0 %100 29 M127 X 3.768 3.768 0 %100	19	M118		3.201	3.201	0	%100
22 M119 Z 002 002 0 %100 23 M120 X 3.427 3.427 0 %100 24 M120 Z -5.936 -5.936 0 %100 25 M121 X 3.201 3.201 0 %100 26 M121 Z -5.544 -5.544 0 %100 27 OVPA X 3.031 3.031 0 %100 28 OVPA Z -5.25 -5.25 0 %100 29 M127 X 3.768 3.768 0 %100	20	M118	Z	-5.544	-5.544	0	%100
23 M120 X 3.427 3.427 0 %100 24 M120 Z -5.936 -5.936 0 %100 25 M121 X 3.201 3.201 0 %100 26 M121 Z -5.544 -5.544 0 %100 27 OVPA X 3.031 3.031 0 %100 28 OVPA Z -5.25 -5.25 0 %100 29 M127 X 3.768 3.768 0 %100		M119		.00096	.00096	0	%100
24 M120 Z -5.936 0 %100 25 M121 X 3.201 3.201 0 %100 26 M121 Z -5.544 -5.544 0 %100 27 OVPA X 3.031 3.031 0 %100 28 OVPA Z -5.25 -5.25 0 %100 29 M127 X 3.768 3.768 0 %100	22	M119		002	002	0	%100
25 M121 X 3.201 3.201 0 %100 26 M121 Z -5.544 -5.544 0 %100 27 OVPA X 3.031 3.031 0 %100 28 OVPA Z -5.25 -5.25 0 %100 29 M127 X 3.768 3.768 0 %100	23	M120		3.427	3.427	0	%100
26 M121 Z -5.544 -5.544 0 %100 27 OVPA X 3.031 3.031 0 %100 28 OVPA Z -5.25 -5.25 0 %100 29 M127 X 3.768 3.768 0 %100	24	M120	Z	-5.936	-5.936	0	%100
27 OVPA X 3.031 3.031 0 %100 28 OVPA Z -5.25 -5.25 0 %100 29 M127 X 3.768 3.768 0 %100		M121		3.201	3.201	0	%100
28 OVPA Z -5.25 -5.25 0 %100 29 M127 X 3.768 3.768 0 %100	26	M121		-5.544	-5.544	0	%100
29 M127 X 3.768 3.768 0 %100	27	OVPA	X	3.031	3.031	0	%100
	28	OVPA	Z	-5.25	-5.25	0	%100
30 M127 Z -6.526 -6.526 0 %100	29	M127		3.768	3.768	0	%100
	30	M127	Z	-6.526	-6.526	0	%100



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

	Dei Distributed Lot			(= = = = = = = = = = = = = = = = = = =	,	
	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
31	M128	Χ	3.768	3.768	0	%100
32	M128	Z	-6.526	-6.526	0	%100
33	POS.4A	X	3.151	3.151	0	%100
34	POS.4A	Z	-5.457	-5.457	0	%100
35	MP2A	X	3.151	3.151	0	%100 %100
36	MP2A	Z	-5.457	-5.457	0	%100 %100
37	MP4A	X	3.151	3.151	0	%100 %100
		Z				
38	MP4A	X	-5.457	-5.457	0	%100 %100
39	M30B	Z	0	0	0	%100 %400
40	M30B		0	0	0	%100
41	M31B	X	0	0	0	%100
42	M31B	Z	0	0	0	%100
43	M34	X	4.146	4.146	0	%100
44	M34	Z	-7.181	-7.181	0	%100
45	M35	X	4.146	4.146	0	%100
46	M35	Z	-7.181	-7.181	0	%100
47	MP5C	X	2.994	2.994	0	%100
48	MP5C	Z	-5.186	-5.186	0	%100
49	POS.5C	X	2.994	2.994	0	%100
50	POS.5C	Z	-5.186	-5.186	0	%100
51	M38	X	2.847	2.847	0	%100
52	M38	Z	-4.931	-4.931	0	%100
53	MP3C	X	2.994	2.994	0	%100
54	MP3C	Z	-5.186	-5.186	0	%100
55	MP1C	X	2.994	2.994	0	%100
56	MP1C	Z	-5.186	-5.186	0	%100
57	M41	X	3.201	3.201	0	%100 %100
58	M41	Z	-5.544	-5.544	0	%100 %100
59	M42	X	3.427	3.427	0	%100 %100
60	M42	Z	-5.936	-5.936	0	%100 %100
61	M43	X	.00096	.00096	0	%100 %100
62	M43	Z	002	002	0	%100 %100
				3.201		%100 %100
63	M44	X	3.201		0	
64	M44	Z	-5.544	-5.544	0	%100 %400
65	M45	X	3.427	3.427	0	%100 %400
66	M45	Z	-5.936	-5.936	0	%100
67	M46	X	.00096	.00096	0	%100
68	M46	Z	002	002	0	%100
69	OVPC	X	3.031	3.031	0	%100
70	OVPC	Z	-5.25	-5.25	0	%100
71	M52	X	3.768	3.768	0	%100
72	M52	Z	-6.526	-6.526	0	%100
73	M53	X	3.768	3.768	0	%100
74	M53	Z	-6.526	-6.526	0	%100
75	POS.4C	X	3.151	3.151	0	%100
76	POS.4C	Z	-5.457	-5.457	0	%100
77	MP2C	X	3.151	3.151	0	%100
78	MP2C	Z	-5.457	-5.457	0	%100
79	MP4C	X	3.151	3.151	0	%100
80	MP4C	Z	-5.457	-5.457	0	%100
81	M63	X	6.18	6.18	0	%100
82	M63	Z	-10.704	-10.704	0	%100 %100
83	M64	X	6.18	6.18	0	%100 %100
84	M64	Z	-10.704	-10.704	0	%100 %100
85	M67	X	0	0	0	%100 %100
86	M67	Z	0	0	0	%100 %100
87	M68	X	0	0	0	%100 %100
		Z	0	0		
88	M68			•	0	%100 %100
89	MP5B	X	2.994	2.994	0	%100



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

			. Otractare Wo			
	Member Label	Direction	Start Magnitude[lb/ft,			End Location[ft,%]
90	MP5B	Z	-5.186	-5.186	0	%100
91	POS.5B	X	2.994	2.994	0	%100
92	POS.5B	Z	-5.186	-5.186	0	%100
93	M71	X	2.847	2.847	0	%100
94	M71	Z	-4.931	-4.931	0	%100
95	MP3B	X	2.994	2.994	0	%100
96	MP3B	Z	-5.186	-5.186	0	%100
97	MP1B	X	2.994	2.994	0	%100
98	MP1B	Z	-5.186	-5.186	0	%100
99	M74	X	3.312	3.312	0	%100
100	M74	Z	-5.737	-5.737	0	%100
101	M75	X	0	0	0	%100
102	M75	Z	0	0	0	%100
103	M76	X	3.312	3.312	0	%100
104	M76	Z	-5.737	-5.737	0	%100
105	M77	X	3.312	3.312	0	%100
106	M77	Z	-5.737	-5.737	0	%100
107	M78	X	0	0	0	%100
108	M78	Z	0	0	0	%100
109	M79	Х	3.312	3.312	0	%100
110	M79	Z	-5.737	-5.737	0	%100
111	OVPB	X	3.031	3.031	0	%100
112	OVPB	Z	-5.25	-5.25	0	%100
113	M85	X	3.768	3.768	0	%100
114	M85	Z	-6.526	-6.526	0	%100
115	M86	X	3.768	3.768	0	%100
116	M86	Z	-6.526	-6.526	0	%100
117	POS.4B	X	3.151	3.151	0	%100
118	POS.4B	Z	-5.457	-5.457	0	%100
119	MP2B	X	3.151	3.151	0	%100
120	MP2B	Z	-5.457	-5.457	0	%100
121	MP4B	X	3.151	3.151	0	%100
122	MP4B	Z	-5.457	-5.457	0	%100
123	M96	X	6.18	6.18	0	%100
124	M96	Z	-10.704	-10.704	0	%100
125	M97	X	6.18	6.18	0	%100
126	M97	Z	-10.704	-10.704	0	%100 %100
127	M113A	X	2.238	2.238	0	%100
128	M113A	Z	-3.876	-3.876	0	%100 %100
129	M114	X	.519	.519	0	%100 %100
130	M114	Z	899	899	0	%100 %100
131	M115	X	.519	.519	0	%100 %100
132	M115	Z	899	899	0	%100 %100
133	M124A	X	.519	.519	0	%100 %100
134	M124A	Z	899	899	0	%100 %100
135	M125A	X	.519	.519	0	%100 %100
136	M125A	Z	899	899	0	%100 %100
137	M113B	X	2.258	2.258	0	%100 %100
138	M113B	Z	-3.911	-3.911	0	%100 %100
139	M114A	X	.094	.094	0	%100 %100
140	M114A	Z	164	164	0	%100 %100
141	M115A	X	1.429	1.429	0	%100 %100
142	M115A M115A	Z	-2.474	-2.474	0	%100 %100
143	M116B	X	.663	.663	0	%100 %100
	M116B	Z	-1.149	-1.149	0	%100 %100
144						
145	M117B	X Z	.663	.663	0	%100 %100
146	M117B		-1.149	-1.149	0	%100 %100
147	M118B	X	.166	.166	0	%100 %100
148	M118B	Z	287	287	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
149	M119B	X	.166	.166	0	%100
150	M119B	Z	287	287	0	%100
151	M120B	X	.166	.166	0	%100
152	M120B	Z	287	287	0	%100
153	M121B	X	.166	.166	0	%100
154	M121B	Z	287	287	0	%100
155	M126A	X	2.363	2.363	0	%100
156	M126A	Z	-4.093	-4.093	0	%100
157	M130	X	2.363	2.363	0	%100
158	M130	Z	-4.093	-4.093	0	%100
159	M135	X	0	0	0	%100
160	M135	Z	0	0	0	%100

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

	Member Label	Direction		End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
1	M109	X	2.394	2.394	0	%100
2	M109	Z	-1.382	-1.382	0	%100
3	M110	X	2.394	2.394	0	%100
4	M110	Z	-1.382	-1.382	0	%100
5	MP5A	X	5.186	5.186	0	%100
6	MP5A	Z	-2.994	-2.994	0	%100
7	POS.5A	X	5.186	5.186	0	%100
8	POS.5A	Z	-2.994	-2.994	0	%100
9	M113	X	4.931	4.931	0	%100
10	M113	Z	-2.847	-2.847	0	%100
11	MP3A	X	5.186	5.186	0	%100
12	MP3A	Z	-2.994	-2.994	0	%100
13	MP1A	X	5.186	5.186	0	%100
14	MP1A	Z	-2.994	-2.994	0	%100
15	M116	X	1.978	1.978	0	%100
16	M116	Z	-1.142	-1.142	0	%100
17	M117	X	1.979	1.979	0	%100
18	M117	Z	-1.142	-1.142	0	%100
19	M118	X	7.52	7.52	0	%100
20	M118	Z	-4.342	-4.342	0	%100
21	M119	Χ	1.978	1.978	0	%100
22	M119	Z	-1.142	-1.142	0	%100
23	M120	X	1.979	1.979	0	%100
24	M120	Z	-1.142	-1.142	0	%100
25	M121	X	7.52	7.52	0	%100
26	M121	Z	-4.342	-4.342	0	%100
27	OVPA	X	5.25	5.25	0	%100
28	OVPA	Z	-3.031	-3.031	0	%100
29	M127	X	6.526	6.526	0	%100
30	M127	Z	-3.768	-3.768	0	%100
31	M128	X	6.526	6.526	0	%100
32	M128	Z	-3.768	-3.768	0	%100
33	POS.4A	X	5.457	5.457	0	%100
34	POS.4A	Z	-3.151	-3.151	0	%100
35	MP2A	X	5.457	5.457	0	%100
36	MP2A	Z	-3.151	-3.151	0	%100
37	MP4A	X	5.457	5.457	0	%100
38	MP4A	Z	-3.151	-3.151	0	%100
39	M30B	X	3.568	3.568	0	%100
40	M30B	Z	-2.06	-2.06	0	%100
41	M31B	X	3.568	3.568	0	%100
42	M31B	Z	-2.06	-2.06	0	%100
43	M34	X	9.574	9.574	0	%100



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

			. Gaactare Wo	•	•	
	Member Label	Direction		End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
44	M34	Z	-5.528	-5.528	0	%100
45	M35	X	9.574	9.574	0	%100
46	M35	Z	-5.528	-5.528	0	%100
47	MP5C	X	5.186	5.186	0	%100
48	MP5C	Z	-2.994	-2.994	0	%100 %100
49	POS.5C	X	5.186	5.186	0	%100
50	POS.5C	Z	-2.994	-2.994	0	%100
51	M38	X	4.931	4.931	0	%100
52	M38	Z	-2.847	-2.847	0	%100
53	MP3C	X	5.186	5.186	0	%100
54	MP3C	Z	-2.994	-2.994	0	%100
55	MP1C	X	5.186	5.186	0	%100
56	MP1C	Z	-2.994	-2.994	0	%100
57	M41	X	1.784	1.784	0	%100
58	M41	Z	-1.03	-1.03	0	%100 %100
59	M42	X	7.915	7.915	0	%100 %100
		Z				
60	M42		-4.57	-4.57	0	%100
61	M43	X	1.784	1.784	0	%100
62	M43	Z	-1.03	-1.03	0	%100
63	M44	X	1.784	1.784	0	%100
64	M44	Z	-1.03	-1.03	0	%100
65	M45	X	7.915	7.915	0	%100
66	M45	Z	-4.57	-4.57	0	%100
67	M46	X	1.784	1.784	0	%100
68	M46	Z	-1.03	-1.03	0	%100
69	OVPC	X	5.25	5.25	0	%100 %100
70	OVPC	Z	-3.031	-3.031	0	%100 %100
		X	6.526	6.526	0	
71	M52				-	%100 %400
72	M52	Z	-3.768	-3.768	0	%100
73	M53	X	6.526	6.526	0	%100
74	M53	Z	-3.768	-3.768	0	%100
75	POS.4C	X	5.457	5.457	0	%100
76	POS.4C	Z	-3.151	-3.151	0	%100
77	MP2C	X	5.457	5.457	0	%100
78	MP2C	Z	-3.151	-3.151	0	%100
79	MP4C	X	5.457	5.457	0	%100
80	MP4C	Z	-3.151	-3.151	0	%100
81	M63	X	3.568	3.568	0	%100
82	M63	Z	-2.06	-2.06	0	%100 %100
83	M64	X	3.568	3.568	0	%100 %100
		Z			0	
84	M64		-2.06	-2.06		%100 %100
85	M67	X	2.394	2.394	0	%100 %400
86	M67	Z	-1.382	-1.382	0	%100
87	M68	X	2.394	2.394	0	%100
88	M68	Z	-1.382	-1.382	0	%100
89	MP5B	X	5.186	5.186	0	%100
90	MP5B	Z	-2.994	-2.994	0	%100
91	POS.5B	X	5.186	5.186	0	%100
92	POS.5B	Z	-2.994	-2.994	0	%100
93	M71	X	4.931	4.931	0	%100
94	M71	Z	-2.847	-2.847	0	%100
95	MP3B	X	5.186	5.186	0	%100 %100
96	MP3B	Z	-2.994	-2.994	0	%100 %100
97	MP1B	X	5.186	5.186	0	%100 %400
98	MP1B	Z	-2.994	-2.994	0	%100
99	M74	X	7.52	7.52	0	%100
100	M74	Z	-4.342	-4.342	0	%100
101	M75	X	1.979	1.979	0	%100
102	M75	Z	-1.142	-1.142	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft	Start Location[ft,%]	End Location[ft,%]
103	M76	X	1.978	1.978	0	%100
104	M76	Z	-1.142	-1.142	0	%100
105	M77	X	7.52	7.52	0	%100
106	M77	Z	-4.342	-4.342	0	%100
107	M78	X	1.979	1.979	0	%100
108	M78	Z	-1.142	-1.142	0	%100
109	M79	X	1.978	1.978	0	%100 %100
110	M79	Z	-1.142	-1.142	0	%100 %100
111	OVPB	X	5.25	5.25	0	%100 %100
112	OVPB	Z	-3.031	-3.031	0	%100
113	M85	X	6.526	6.526	0	%100 %100
114	M85	Z	-3.768	-3.768	0	%100 %100
115	M86	X	6.526	6.526	0	%100 %100
116	M86	Z	-3.768	-3.768	0	%100 %100
117	POS.4B	X	5.457	5.457	0	%100 %100
118	POS.4B	Z	-3.151	-3.151	0	%100 %100
119	MP2B	X	5.457	5.457	0	%100 %100
120	MP2B	Z	-3.151	-3.151	0	%100 %100
121	MP4B	X	5.457	5.457	0	%100 %100
122	MP4B	Z	-3.151	-3.151	0	%100 %100
123	M96	X	14.272	14.272	0	%100 %100
124	M96	Z	-8.24	-8.24	0	%100 %100
125	M97	X	14.272	14.272	0	%100 %100
	M97	Z	-8.24		0	%100 %100
126				-8.24		
127	M113A	X Z	3.876	3.876	0	%100 %400
128	M113A		-2.238	-2.238	0	%100 %400
129	M114	X	.674	.674	0	%100 %400
130	M114	Z	389	389	0	%100 %400
131 132	M115 M115	X Z	.674	.674 389	0	%100 %400
133			389	369 .674	0	%100 %400
	M124A	X	.674		0	%100 %400
134	M124A	Z	389 .674	389	0	%100 %100
135 136	M125A M125A	X Z	389	.674 389	0	%100 %400
						%100 %400
137	M113B	X Z	4.202	4.202 -2.426	0	%100 %400
138	M113B		-2.426		0	%100 %400
139	M114A	X Z	1.891	1.891	0	%100 %400
140	M114A		-1.092	-1.092 .455	0	%100 %400
141	M115A	X	.455		0	%100
142	M115A	Z	263	263	0	%100 %400
143	M116B	X	.862	.862	0	%100 %100
144	M116B	Z	497	497	0	%100 %100
145	M117B	X Z	.862	.862	0	%100 %100
146	M117B		497	497	0	%100 %100
147	M118B	X Z	0	0	0	%100 %100
148	M118B M119B	X	0	0	0	%100 %100
149		Z	0	0		
150	M119B				0	%100 %400
151	M120B	X	.862	.862	0	%100 %100
152	M120B	Z	497	497	0	%100 %400
153	M121B	X	.862	.862	0	%100 %400
154	M121B	Z	497	497	0	%100
155	M126A	X	1.364	1.364	0	%100
156	M126A	Z	788	788	0	%100
157	M130	X	5.457	5.457	0	%100
158	M130	Z	-3.151	-3.151	0	%100
159	M135	X	1.364	1.364	0	%100
160	M135	Z	788	788	0	%100



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

			. Guaciare Wo	<u> </u>		
	Member Label	Direction	Start Magnitude[lb/ft	.End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
1	M109	Х	0	0	0	%100
2	M109	Z	0	0	0	%100
3	M110	X	0	0	0	%100 %100
				· ·		
4	M110	Z	0	0	0	%100
5	MP5A	X	5.988	5.988	0	%100
6	MP5A	Z	0	0	0	%100
7	POS.5A	X	5.988	5.988	0	%100
8	POS.5A	Z	0	0	0	%100
9	M113	X	5.693	5.693	0	%100 %100
10	M113	Z	0	0	0	%100
11	MP3A	X	5.988	5.988	0	%100
12	MP3A	Z	0	0	0	%100
13	MP1A	X	5.988	5.988	0	%100
14	MP1A	Z	0	0	0	%100
15	M116	X	6.625	6.625	0	%100 %100
16	M116	Z	0	0	0	%100
17	M117	X	0	0	0	%100
18	M117	Z	0	0	0	%100
19	M118	X	6.625	6.625	0	%100
20	M118	Z	0	0	0	%100
21	M119	X	6.625	6.625	0	%100
22	M119	Z	0.025	0.025	0	%100 %100
				-		
23	M120	X	0	0	0	%100
24	M120	Z	0	0	0	%100
25	M121	X	6.625	6.625	0	%100
26	M121	Z	0	0	0	%100
27	OVPA	X	6.062	6.062	0	%100
28	OVPA	Z	0.002	0	0	%100 %100
				-	-	
29	M127	X	7.536	7.536	0	%100
30	M127	Z	0	0	0	%100
31	M128	X	7.536	7.536	0	%100
32	M128	Z	0	0	0	%100
33	POS.4A	X	6.301	6.301	0	%100
34	POS.4A	Z	0	0	0	%100
35	MP2A	X	6.301	6.301	0	%100
36		Z			0	
	MP2A		0	0		%100
37	MP4A	X	6.301	6.301	0	%100
38	MP4A	Z	0	0	0	%100
39	M30B	X	12.36	12.36	0	%100
40	M30B	Z	0	0	0	%100
41	M31B	X	12.36	12.36	0	%100
42	M31B	Z	0	0	0	%100 %100
43	M34	X	8.291	8.291	0	%100 %100
44	M34	Z	0	0	0	%100
45	M35	X	8.291	8.291	0	%100
46	M35	Z	0	0	0	%100
47	MP5C	X	5.988	5.988	0	%100
48	MP5C	Z	0	0	0	%100
49	POS.5C	X	5.988	5.988	0	%100 %100
		7				
50	POS.5C	Z	0	0	0	%100
51	M38	X	5.693	5.693	0	%100
52	M38	Z	0	0	0	%100
53	MP3C	X	5.988	5.988	0	%100
54	MP3C	Z	0	0	0	%100
55	MP1C	X	5.988	5.988	0	%100 %100
		Z				
56	MP1C		0	0	0	%100
57	M41	X	.002	.002	0	%100
58	M41	Z	0	0	0	%100
59	M42	X	6.854	6.854	0	%100



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

		•	. Gaactare Wo			
	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
60	M42	Z	0	0	0	%100
61	M43	X	6.401	6.401	0	%100
62	M43	Z	0	0	0	%100
63	M44	X	.002	.002	0	%100
64	M44	Z	0	0	0	%100 %100
65	M45	X	6.854	6.854	0	%100
66	M45	Z	0	0	0	%100
67	M46	X	6.401	6.401	0	%100
68	M46	Z	0	0	0	%100
69	OVPC	X	6.062	6.062	0	%100
70	OVPC	Z	0	0	0	%100
71	M52	X	7.536	7.536	0	%100
72	M52	Z	0	0	0	%100
73	M53	X	7.536	7.536	0	%100
74	M53	Z	0	0	0	%100 %100
75	POS.4C	X	6.301	6.301	0	%100 %100
		Z			0	
76	POS.4C		0	0		%100
77	MP2C	X	6.301	6.301	0	%100
78	MP2C	Z	0	0	0	%100
79	MP4C	X	6.301	6.301	0	%100
80	MP4C	Z	0	0	0	%100
81	M63	X	0	0	0	%100
82	M63	Z	0	0	0	%100
83	M64	X	0	0	0	%100
84	M64	Z	0	0	0	%100
85	M67	X	8.291	8.291	0	%100
86	M67	Z	0.231	0.231	0	%100 %100
87	M68	X	8.291	8.291	0	%100 %100
					-	
88	M68	Z	0	0	0	%100
89	MP5B	X	5.988	5.988	0	%100
90	MP5B	Z	0	0	0	%100
91	POS.5B	X	5.988	5.988	0	%100
92	POS.5B	Z	0	0	0	%100
93	M71	X	5.693	5.693	0	%100
94	M71	Z	0	0	0	%100
95	MP3B	X	5.988	5.988	0	%100
96	MP3B	Z	0	0	0	%100
97	MP1B	X	5.988	5.988	0	%100
98	MP1B	Z	0	0	0	%100
99	M74	X	6.401	6.401	0	%100 %100
100	M74	Z	0.401	0.401	0	%100 %100
101			6.854	6.854	0	%100 %100
	M75	Z	0.004	0.004	0	
102	M75					%100 %100
103	M76	X	.002	.002	0	%100
104	<u>M76</u>	Z	0	0	0	%100
105	M77	X	6.401	6.401	0	%100
106	M77	Z	0	0	0	%100
107	M78	X	6.854	6.854	0	%100
108	M78	Z	0	0	0	%100
109	M79	X	.002	.002	0	%100
110	M79	Z	0	0	0	%100
111	OVPB	X	6.062	6.062	0	%100 %100
112	OVPB	Z	0.002	0.002	0	%100 %100
					0	
113	M85	X	7.536	7.536		%100 %100
114	M85	Z	7.500	0	0	%100
115	M86	X	7.536	7.536	0	%100
116	M86	Z	0	0	0	%100
117	POS.4B	X	6.301	6.301	0	%100
118	POS.4B	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,	Start Location[ft,%]	End Location[ft,%]
119	MP2B	X	6.301	6.301	0	%100
120	MP2B	Z	0	0	0	%100
121	MP4B	X	6.301	6.301	0	%100
122	MP4B	Z	0	0	0	%100
123	M96	X	12.36	12.36	0	%100
124	M96	Z	0	0	0	%100
125	M97	X	12.36	12.36	0	%100
126	M97	Z	0	0	0	%100
127	M113A	X	4.476	4.476	0	%100
128	M113A	Z	0	0	0	%100
129	M114	X	.259	.259	0	%100
130	M114	Z	0	0	0	%100
131	M115	X	.259	.259	0	%100
132	M115	Z	0	0	0	%100
133	M124A	X	.259	.259	0	%100
134	M124A	Z	0	0	0	%100
135	M125A	X	.259	.259	0	%100
136	M125A	Z	0	0	0	%100
137	M113B	X	2.857	2.857	0	%100
138	M113B	Z	0	0	0	%100
139	M114A	X	4.516	4.516	0	%100
140	M114A	Z	0	0	0	%100
141	M115A	X	.189	.189	0	%100
142	M115A	Z	0	0	0	%100
143	M116B	X	.332	.332	0	%100
144	M116B	Z	0	0	0	%100
145	M117B	X	.332	.332	0	%100
146	M117B	Z	0	0	0	%100
147	M118B	X	.332	.332	0	%100
148	M118B	Z	0	0	0	%100
149	M119B	X	.332	.332	0	%100
150	M119B	Z	0	0	0	%100
151	M120B	X	1.327	1.327	0	%100
152	M120B	Z	0	0	0	%100
153	M121B	X	1.327	1.327	0	%100
154	M121B	Z	0	0	0	%100
155	M126A	X	0	0	0	%100
156	M126A	Z	0	0	0	%100
157	M130	X	4.726	4.726	0	%100
158	M130	Z	0	0	0	%100
159	M135	X	4.726	4.726	0	%100
160	M135	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	Start Location[ft,%]	End Location[ft.%]
1	M109	X	2.394	2.394	0	%100
2	M109	Z	1.382	1.382	0	%100
3	M110	X	2.394	2.394	0	%100
4	M110	Z	1.382	1.382	0	%100
5	MP5A	X	5.186	5.186	0	%100
6	MP5A	Z	2.994	2.994	0	%100
7	POS.5A	X	5.186	5.186	0	%100
8	POS.5A	Z	2.994	2.994	0	%100
9	M113	X	4.931	4.931	0	%100
10	M113	Z	2.847	2.847	0	%100
11	MP3A	X	5.186	5.186	0	%100
12	MP3A	Z	2.994	2.994	0	%100
13	MP1A	Χ	5.186	5.186	0	%100



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

	Bei Bistilbatea Eet			1	,	
	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
14	MP1A	Z	2.994	2.994	0	%100
15	M116	X	7.52	7.52	0	%100
16	M116	Z	4.342	4.342	0	%100
17	M117	X	1.979	1.979	0	%100
18	M117	Z	1.142	1.142	0	%100 %100
19	M118	X	1.978	1.978	0	%100
20	M118	Z	1.142	1.142	0	%100
21	M119	X	7.52	7.52	0	%100
22	M119	Z	4.342	4.342	0	%100
23	M120	X	1.979	1.979	0	%100
24	M120	Z	1.142	1.142	0	%100
25	M121	X	1.978	1.978	0	%100
26	M121	Z	1.142	1.142	0	%100
27	OVPA	X	5.25	5.25	0	%100
28	OVPA	Z	3.031	3.031	0	%100
29	M127	X	6.526	6.526	0	%100
30	M127	Z	3.768	3.768	0	%100 %100
31	M128	X	6.526	6.526	0	%100 %100
32	M128	Z	3.768	3.768	0	%100
33	POS.4A	X	5.457	5.457	0	%100
34	POS.4A	Z	3.151	3.151	0	%100
35	MP2A	X	5.457	5.457	0	%100
36	MP2A	Z	3.151	3.151	0	%100
37	MP4A	X	5.457	5.457	0	%100
38	MP4A	Z	3.151	3.151	0	%100
39	M30B	X	14.272	14.272	0	%100
40	M30B	Z	8.24	8.24	0	%100
41	M31B	X	14.272	14.272	0	%100 %100
42	M31B	Z	8.24	8.24	0	%100 %100
43	M34	X	2.394	2.394	0	%100 %100
		Z				
44	M34		1.382	1.382	0	%100
45	M35	X	2.394	2.394	0	%100
46	M35	Z	1.382	1.382	0	%100
47	MP5C	X	5.186	5.186	0	%100
48	MP5C	Z	2.994	2.994	0	%100
49	POS.5C	X	5.186	5.186	0	%100
50	POS.5C	Z	2.994	2.994	0	%100
51	M38	X	4.931	4.931	0	%100
52	M38	Z	2.847	2.847	0	%100
53	MP3C	X	5.186	5.186	0	%100
54	MP3C	Z	2.994	2.994	0	%100
55	MP1C	X	5.186	5.186	0	%100
56	MP1C	Z	2.994	2.994	0	%100 %100
57	M41	X	1.978	1.978	0	%100 %100
58	M41	Z	1.142	1.142	0	%100 %100
59	M42	X	1.979	1.979	0	%100 %100
		Z				
60	M42		1.142	1.142	0	%100 %400
61	M43	X	7.52	7.52	0	%100
62	M43	Z	4.342	4.342	0	%100
63	M44	X	1.978	1.978	0	%100
64	M44	Z	1.142	1.142	0	%100
65	M45	X	1.979	1.979	0	%100
66	M45	Z	1.142	1.142	0	%100
67	M46	X	7.52	7.52	0	%100
68	M46	Z	4.342	4.342	0	%100
69	OVPC	X	5.25	5.25	0	%100
70	OVPC	Z	3.031	3.031	0	%100 %100
71	M52	X	6.526	6.526	0	%100 %100
		Z	3.768			
72	M52	Z	3.700	3.768	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft	Start Location[ft,%]	End Location[ft,%]
73	M53	Χ	6.526	6.526	0	%100
74	M53	Z	3.768	3.768	0	%100
75	POS.4C	X	5.457	5.457	0	%100
76	POS.4C	Z	3.151	3.151	0	%100
77	MP2C	X	5.457	5.457	0	%100
78	MP2C	Z	3.151	3.151	0	%100
79	MP4C	X	5.457	5.457	0	%100
80	MP4C	Z	3.151	3.151	0	%100 %100
81	M63	X	3.568	3.568	0	%100 %100
82	M63	Z	2.06	2.06	0	%100
83	M64	X	3.568	3.568	0	%100 %100
84	M64	Z	2.06	2.06	0	%100 %100
85	M67	X	9.574	9.574	0	%100 %100
86	M67	Z	5.528	5.528	0	%100 %100
87	M68	X	9.574	9.574	0	%100 %100
88	M68	Z	5.528	5.528	0	%100 %100
89	MP5B	X	5.186	5.186	0	%100 %100
90	MP5B	Z	2.994	2.994	0	%100 %100
91	POS.5B	X	5.186	5.186	0	%100 %100
92	POS.5B	Z	2.994	2.994	0	%100 %100
93	M71	X	4.931	4.931	0	%100 %100
94	M71	Z	2.847	2.847	0	%100 %100
95	MP3B	X	5.186	5.186	0	%100 %100
96	MP3B	Z	2.994	2.994	0	%100 %100
97		X	5.186			
	MP1B	Z	2.994	5.186 2.994	0	%100 %400
98	MP1B				0	%100 %400
99	M74	X	1.784	1.784	0	%100 %400
100	M74	Z	1.03	1.03	0	%100 %400
101	M75	X Z	7.915	7.915	0	%100 %400
102	M75		4.57	4.57	0	%100 %400
103	M76	X	1.784	1.784	0	%100
104	M76	Z	1.03	1.03	0	%100 %400
105	M77	X Z	1.784	1.784	0	%100 %400
106	M77		1.03	1.03	0	%100
107	M78	X	7.915	7.915	0	%100
108	M78	Z	4.57	4.57	0	%100 %400
109	M79	X Z	1.784	1.784	0	%100 %400
110	M79		1.03	1.03	0	%100
111	OVPB	X	5.25	5.25	0	%100
112	OVPB	Z	3.031	3.031	0	%100
113	M85	X	6.526	6.526	0	%100 %400
114	M85	Z	3.768	3.768	0	%100 %100
115	M86	X	6.526	6.526	0	%100 %400
116	M86	Z	3.768	3.768	0	%100 %400
117	POS.4B	X Z	5.457	5.457	0	%100 %100
118	POS.4B		3.151	3.151	0	%100 %100
119	MP2B	X Z	5.457	5.457	0	%100 %100
120	MP2B		3.151	3.151	0	%100 %400
121	MP4B	X	5.457	5.457	0	%100 %400
122	MP4B	Z	3.151	3.151	0	%100 %400
123	M96	X	3.568	3.568	0	%100
124	M96	Z	2.06	2.06	0	%100
125	M97	X	3.568	3.568	0	%100
126	M97	Z	2.06	2.06	0	%100
127	M113A	X	3.876	3.876	0	%100
128	M113A	Z	2.238	2.238	0	%100
129	M114	X	0	0	0	%100
130	M114	Z	0	0	0	%100
131	M115	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
132	M115	Z	0	0	0	%100
133	M124A	X	0	0	0	%100
134	M124A	Z	0	0	0	%100
135	M125A	X	0	0	0	%100
136	M125A	Z	0	0	0	%100
137	M113B	X	.455	.455	0	%100
138	M113B	Z	.263	.263	0	%100
139	M114A	X	4.202	4.202	0	%100
140	M114A	Z	2.426	2.426	0	%100
141	M115A	X	1.891	1.891	0	%100
142	M115A	Z	1.092	1.092	0	%100
143	M116B	X	0	0	0	%100
144	M116B	Z	0	0	0	%100
145	M117B	X	0	0	0	%100
146	M117B	Z	0	0	0	%100
147	M118B	X	.862	.862	0	%100
148	M118B	Z	.497	.497	0	%100
149	M119B	X	.862	.862	0	%100
150	M119B	Z	.497	.497	0	%100
151	M120B	Χ	.862	.862	0	%100
152	M120B	Z	.497	.497	0	%100
153	M121B	X	.862	.862	0	%100
154	M121B	Z	.497	.497	0	%100
155	M126A	X	1.364	1.364	0	%100
156	M126A	Z	.788	.788	0	%100
157	M130	X	1.364	1.364	0	%100
158	M130	Z	.788	.788	0	%100
159	M135	X	5.457	5.457	0	%100
160	M135	Z	3.151	3.151	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
1	M109	X	4.146	4.146	0	%100
2	M109	Z	7.181	7.181	0	%100
3	M110	X	4.146	4.146	0	%100
4	M110	Z	7.181	7.181	0	%100
5	MP5A	X	2.994	2.994	0	%100
6	MP5A	Z	5.186	5.186	0	%100
7	POS.5A	X	2.994	2.994	0	%100
8	POS.5A	Z	5.186	5.186	0	%100
9	M113	X	2.847	2.847	0	%100
10	M113	Z	4.931	4.931	0	%100
11	MP3A	Х	2.994	2.994	0	%100
12	MP3A	Z	5.186	5.186	0	%100
13	MP1A	X	2.994	2.994	0	%100
14	MP1A	Z	5.186	5.186	0	%100
15	M116	X	3.201	3.201	0	%100
16	M116	Z	5.544	5.544	0	%100
17	M117	X	3.427	3.427	0	%100
18	M117	Z	5.936	5.936	0	%100
19	M118	X	.00096	.00096	0	%100
20	M118	Z	.002	.002	0	%100
21	M119	Х	3.201	3.201	0	%100
22	M119	Z	5.544	5.544	0	%100
23	M120	X	3.427	3.427	0	%100
24	M120	Z	5.936	5.936	0	%100
25	M121	X	.00096	.00096	0	%100
26	M121	Z	.002	.002	0	%100



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

	ber Distributed Lot			(,	
	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
27	OVPA	X	3.031	3.031	0	%100
28	OVPA	Z	5.25	5.25	0	%100
29	M127	X	3.768	3.768	0	%100
30	M127	Z	6.526	6.526	0	%100
31	M128	X	3.768	3.768	0	%100
32	M128	Z	6.526	6.526	0	%100
33	POS.4A	X	3.151	3.151	0	%100
34	POS.4A	Z	5.457	5.457	0	%100
35	MP2A	X	3.151	3.151	0	%100
36	MP2A	Z	5.457	5.457	0	%100
37	MP4A	X	3.151	3.151	0	%100
38	MP4A	Z	5.457	5.457	0	%100
39	M30B	X	6.18	6.18	0	%100
40	M30B	Z	10.704	10.704	0	%100
41	M31B	X	6.18	6.18	0	%100
42	M31B	Z	10.704	10.704	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	0	0	0	%100 %100
45	M35	X	0	0	0	%100 %100
46	M35	Z	0	0	0	%100 %100
47	MP5C	X	2.994	2.994	0	%100 %100
48	MP5C	Z	5.186	5.186	0	%100 %100
49	POS.5C	X	2.994	2.994	0	%100 %100
50	POS.5C	Z	5.186	5.186	0	%100 %100
51	M38	X	2.847	2.847	0	%100 %100
52	M38	Z	4.931	4.931	0	%100 %100
53	MP3C	X	2.994	2.994	0	%100 %100
54	MP3C	Z	5.186	5.186	0	%100 %100
55	MP1C	X	2.994	2.994	0	%100 %100
56	MP1C	Z	5.186	5.186	0	%100 %100
57	M41	X	3.312	3.312	0	%100 %100
58	M41	Z	5.737	5.737	0	%100 %100
59	M42	X	0	0	0	%100 %100
60	M42	Z	0	0	0	%100 %100
61	M43	X	3.312	3.312	0	%100 %100
62	M43	Z	5.737	5.737	0	%100 %100
63	M44	X	3.312	3.312	0	%100 %100
64	M44	Z	5.737	5.737	0	%100 %100
65	M45	X	0	0	0	%100 %100
66	M45	Z	0	0	0	%100 %100
67	M46	X	3.312	3.312	0	%100 %100
68	M46	Z	5.737	5.737	0	%100 %100
69	OVPC	X	3.031	3.031	0	%100 %100
70	OVPC	Z	5.25	5.25	0	%100 %100
71	M52	X	3.768	3.768	0	%100 %100
72	M52	Z	6.526	6.526	0	%100 %100
73	M53	X	3.768	3.768	0	%100 %100
74	M53	Z	6.526	6.526	0	%100 %100
75	POS.4C	X	3.151	3.151	0	%100 %100
76	POS.4C	Z	5.457	5.457	0	%100 %100
77	MP2C		3.151	3.151		%100 %100
78	MP2C MP2C	X Z	5.457	5.457	0	%100 %100
79		X	3.151		0	%100 %100
	MP4C	Z		3.151		
80	MP4C		5.457	5.457	0	%100 %100
81	M63	X Z	6.18	6.18	0	%100 %100
82	M63		10.704	10.704	0	%100 %100
83	M64	X	6.18	6.18	0	%100 %100
84	M64	Z	10.704	10.704	0	%100 %100
85	M67	X	4.146	4.146	0	%100



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

			. Gaactare Wo	1 J// (,	
	Member Label	Direction		End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
86	M67	Z	7.181	7.181	0	%100
87	M68	X	4.146	4.146	0	%100
88	M68	Z	7.181	7.181	0	%100
89	MP5B	X	2.994	2.994	0	%100
90	MP5B	Z	5.186	5.186	0	%100
91	POS.5B	X	2.994	2.994	0	%100
92	POS.5B	Z	5.186	5.186	0	%100
93	M71	X	2.847	2.847	0	%100
94	M71	Z	4.931	4.931	0	%100
95	MP3B	X	2.994	2.994	0	%100 %100
96	MP3B	Z	5.186	5.186	0	%100 %100
97	MP1B	X	2.994	2.994	0	%100 %100
98	MP1B	Z	5.186	5.186	0	%100 %100
99	M74	X	.00096	.00096	0	%100 %100
	M74	Z		.002		
100			.002		0	%100
101	M75	X	3.427	3.427	0	%100
102	M75	Z	5.936	5.936	0	%100
103	M76	X	3.201	3.201	0	%100
104	M76	Z	5.544	5.544	0	%100
105	M77	X	.00096	.00096	0	%100
106	M77	Z	.002	.002	0	%100
107	M78	X	3.427	3.427	0	%100
108	M78	Z	5.936	5.936	0	%100
109	M79	X	3.201	3.201	0	%100
110	M79	Z	5.544	5.544	0	%100
111	OVPB	X	3.031	3.031	0	%100
112	OVPB	Z	5.25	5.25	0	%100
113	M85	X	3.768	3.768	0	%100
114	M85	Z	6.526	6.526	0	%100
115	M86	X	3.768	3.768	0	%100
116	M86	Z	6.526	6.526	0	%100
117	POS.4B	X	3.151	3.151	0	%100
118	POS.4B	Z	5.457	5.457	0	%100
119	MP2B	X	3.151	3.151	0	%100
120	MP2B	Z	5.457	5.457	0	%100
121	MP4B	X	3.151	3.151	0	%100 %100
122	MP4B	Z	5.457	5.457	0	%100 %100
123	M96	X	0	0	0	%100 %100
124	M96	Z	0	0	0	%100 %100
125	M97	X	0	0	0	%100 %100
		Z	0	0	0	
126	M97					%100 %100
127	M113A	Z	2.238	2.238	0	%100 %100
128	M113A		3.876	3.876	0	%100 %100
129	M114	X	.13	.13	0	%100 %400
130	M114	Z	.225	.225	0	%100
131	M115	X	.13	.13	0	%100
132	M115	Z	.225	.225	0	%100
133	M124A	X	.13	.13	0	%100
134	M124A	Z	.225	.225	0	%100
135	M125A	X	.13	.13	0	%100
136	M125A	Z	.225	.225	0	%100
137	M113B	X	.094	.094	0	%100
138	M113B	Z	.164	.164	0	%100
139	M114A	X	1.429	1.429	0	%100
140	M114A	Z	2.474	2.474	0	%100
141	M115A	X	2.258	2.258	0	%100
142	M115A	Z	3.911	3.911	0	%100
143	M116B	X	.166	.166	0	%100
144	M116B	Z	.287	.287	0	%100
						,0.00



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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
145	M117B	X	.166	.166	0	%100
146	M117B	Z	.287	.287	0	%100
147	M118B	X	.663	.663	0	%100
148	M118B	Z	1.149	1.149	0	%100
149	M119B	X	.663	.663	0	%100
150	M119B	Z	1.149	1.149	0	%100
151	M120B	X	.166	.166	0	%100
152	M120B	Z	.287	.287	0	%100
153	M121B	X	.166	.166	0	%100
154	M121B	Z	.287	.287	0	%100
155	M126A	X	2.363	2.363	0	%100
156	M126A	Z	4.093	4.093	0	%100
157	M130	X	0	0	0	%100
158	M130	Z	0	0	0	%100
159	M135	X	2.363	2.363	0	%100
160	M135	Z	4.093	4.093	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
1	M109	X	0	0	0	%100
2	M109	Z	11.055	11.055	0	%100
3	M110	X	0	0	0	%100
4	M110	Z	11.055	11.055	0	%100
5	MP5A	X	0	0	0	%100
6	MP5A	Z	5.988	5.988	0	%100
7	POS.5A	X	0	0	0	%100
8	POS.5A	Z	5.988	5.988	0	%100
9	M113	X	0	0	0	%100
10	M113	Z	5.693	5.693	0	%100
11	MP3A	X	0	0	0	%100
12	MP3A	Z	5.988	5.988	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	5.988	5.988	0	%100
15	M116	X	0	0	0	%100
16	M116	Z	2.061	2.061	0	%100
17	M117	X	0	0	0	%100
18	M117	Z	9.139	9.139	0	%100
19	M118	X	0	0	0	%100
20	M118	Z	2.061	2.061	0	%100
21	M119	X	0	0	0	%100
22	M119	Z	2.061	2.061	0	%100
23	M120	X	0	0	0	%100
24	M120	Z	9.139	9.139	0	%100
25	M121	X	0	0	0	%100
26	M121	Z	2.061	2.061	0	%100
27	OVPA	X	0	0	0	%100
28	OVPA	Z	6.062	6.062	0	%100
29	M127	X	0	0	0	%100
30	M127	Z	7.536	7.536	0	%100
31	M128	X	0	0	0	%100
32	M128	Z	7.536	7.536	0	%100
33	POS.4A	X	0	0	0	%100
34	POS.4A	Z	6.301	6.301	0	%100
35	MP2A	X	0	0	0	%100
36	MP2A	Z	6.301	6.301	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	6.301	6.301	0	%100
39	M30B	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,	Start Location[ft,%]	End Location[ft,%]
40	M30B	Z	4.12	4.12	0	%100
41	M31B	X	0	0	0	%100
42	M31B	Z	4.12	4.12	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	2.764	2.764	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	2.764	2.764	0	%100
47	MP5C	X	0	0	0	%100
48	MP5C	Z	5.988	5.988	0	%100
49	POS.5C	X	0	0	0	%100
50	POS.5C	Z	5.988	5.988	0	%100
51	M38	X	0	0	0	%100
52	M38	Z	5.693	5.693	0	%100
53	MP3C	X	0	0	0	%100
54	MP3C	Z	5.988	5.988	0	%100
55	MP1C	X	0	0	0	%100
56	MP1C	Z	5.988	5.988	0	%100
57	M41	X	0	0	0	%100
58	M41	Z	8.684	8.684	0	%100
59	M42	X	0	0	0	%100
60	M42	Z	2.285	2.285	0	%100
61	M43	X	0	0	0	%100
62	M43	Z	2.284	2.284	0	%100
63	M44	X	0	0	0	%100
64	M44	Z	8.684	8.684	0	%100
65	M45	X	0	0	0	%100
66	M45	Z	2.285	2.285	0	%100
67	M46	X	0	0	0	%100
68	M46	Z	2.284	2.284	0	%100
69	OVPC	X	0	0	0	%100
70	OVPC	Z	6.062	6.062	0	%100
71	M52	X	0	0	0	%100 %400
72	M52 M53	Z X	7.536 0	7.536 0	0	%100 %400
73 74	M53	Z	7.536	7.536	0	%100 %100
75	POS.4C	X	0	0	0	%100 %100
76	POS.4C	Z	6.301	6.301	0	%100 %100
77	MP2C	X	0.301	0.301	0	%100 %100
78	MP2C	Z	6.301	6.301	0	%100 %100
79	MP4C	X	0	0.001	0	%100 %100
80	MP4C	Z	6.301	6.301	0	%100 %100
81	M63	X	0	0	0	%100 %100
82	M63	Z	16.48	16.48	0	%100
83	M64	X	0	0	0	%100
84	M64	Z	16.48	16.48	0	%100
85	M67	X	0	0	0	%100
86	M67	Z	2.764	2.764	0	%100
87	M68	X	0	0	0	%100
88	M68	Z	2.764	2.764	0	%100
89	MP5B	X	0	0	0	%100
90	MP5B	Z	5.988	5.988	0	%100
91	POS.5B	X	0	0	0	%100
92	POS.5B	Z	5.988	5.988	0	%100
93	M71	X	0	0	0	%100
94	M71	Z	5.693	5.693	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	5.988	5.988	0	%100 %400
97	MP1B	X	0	0	0	%100 %400
98	MP1B	Z	5.988	5.988	0	%100



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

					(100 Deg/) (Oc		
99		Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft	Start Location[ft.%]	End Location[ft.%]
100	99						
101					-		
102							
103					<u> </u>		
104							
105	103					0	%100
105	104	M76	Z	8.684	8.684	0	%100
106						0	
107					*		
108							
109			^				
110							
111							
1112						0	
113	111	OVPB	X	0	0	0	%100
113	112	OVPB	Z	6.062	6.062	0	%100
114							
115							
116							
117							
118							
119							
120	118		Z	6.301	6.301	0	%100
120						0	
121			7		-		
122 MP4B Z 6.301 6.301 0 %100 123 M96 X 0 0 0 0 %100 124 M96 Z 4.12 4.12 0 %100 125 M97 X 0 0 0 0 %100 126 M97 Z 4.12 4.12 0 %100 127 M113A X 0 0 0 0 %100 128 M113A Z 4.476 4.476 0 %100 129 M114 X 0 0 0 0 %100 129 M114 Z .778 .778 0 %100 130 M114 Z .778 .778 0 %100 131 M115 X 0 0 0 0 %100 132 M115 Z .778 .778 0 %100 133 M124A X 0 0 0 0 %100 134 M124A Z .778 .778 0 %100 135 M125A X 0 0 0 0 %100 136 M125A Z .778 .778 0 %100 137 M113B X 0 0 0 %100 138 M114A X 0 0 0 %100 139 M114A X 0 0 0 %100 139 M114A X 0 0 0 %100 140 M114A Z .526 .526 0 %100 141 M115A Z .4852 4.852 0 %100 142 M115B X 0 0 0 %100 143 M116B X 0 0 0 %100 144 M116B Z .995 .995 0 %100 145 M117B X 0 0 0 %100 146 M117B X 0 0 0 %100 147 M118B X 0 0 0 %100 148 M118B Z .995 .995 0 %100 149 M119B X 0 0 0 %100 140 M114B X 0 0 0 %100 141 M115B X 0 0 0 %100 142 M119B X 0 0 0 %100 143 M119B X 0 0 0 %100 144 M119B X 0 0 0 %100 145 M119B X 0 0 0 %100 146 M117B X 0 0 0 %100 147 M118B X 0 0 0 %100 148 M119B X 0 0 0 %100 150 M119B Z .995 .995 0 %100 151 M120B X 0 0 0 %100 155 M126A Z .6,301 6,301 0 %100 156 M126A Z .6,301 6,301 0 %100 156 M126A Z .6,301 6,301 0 %100 157 M120B X 0 0 0 %100 158 M126A Z .6,301 6,301 0 %100 155 M126A Z .6,301 6,301 0 %100 155 M126A Z .6,301 6,301 0 %100 150 M1190							
123					-		
124 M96							
125			X				
126							
127 M113A	125	M97				0	%100
127 M113A	126	M97	Z	4.12	4.12	0	%100
128 M113A Z 4.476 4.476 0 %100 129 M114 X 0 0 0 %100 130 M114 Z .778 .778 0 %100 131 M115 X 0 0 0 %100 132 M115 Z .778 .778 0 %100 133 M124A X 0 0 0 %100 134 M124A X 0 0 0 %100 135 M125A X 0 0 0 %100 135 M125A X 0 0 0 %100 136 M125A Z .778 .778 0 %100 138 M113B X 0 0 0 %100 138 M113B Z 2.184 2.184 0 %100 139 M114A X <t< td=""><td></td><td></td><td>X</td><td></td><td></td><td>0</td><td></td></t<>			X			0	
129					-		
130							
131 M115 X 0 0 %100 132 M115 Z .778 .778 0 %100 133 M124A X 0 0 0 %100 134 M124A Z .778 .778 0 %100 135 M125A X 0 0 0 %100 136 M125A Z .778 .778 0 %100 137 M113B X 0 0 0 %100 138 M113B Z 2.184 2.184 0 %100 139 M114A X 0 0 0 %100 140 M114A X 0 0 0 %100 141 M15A X 0 0 0 %100 141 M115A X 0 0 0 %100 143 M116B X 0 0 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
132							
133 M124A X 0 0 %100 134 M124A Z .778 .778 0 %100 135 M125A X 0 0 0 %100 136 M125A Z .778 .778 0 %100 137 M113B X 0 0 0 %100 138 M113B Z 2.184 2.184 0 %100 139 M14A X 0 0 0 %100 140 M114A X 0 0 0 %100 140 M115A X 0 0 0 %100 141 M115A X 0 0 0 %100 142 M115A Z 4.852 4.852 0 %100 143 M116B X 0 0 0 %100 144 M117B X 0 0							
134 M124A Z .778 .778 0 %100 135 M125A X 0 0 0 %100 136 M125A Z .778 .778 0 %100 137 M113B X 0 0 0 %100 138 M113B Z 2.184 2.184 0 %100 139 M114A X 0 0 0 %100 140 M114A X 0 0 0 %100 140 M114A Z .526 .526 0 %100 141 M15A X 0 0 0 %100 142 M115A X 0 0 0 %100 143 M116B X 0 0 0 %100 144 M116B X 0 0 0 %100 145 M117B X 0 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
135 M125A X 0 0 %100 136 M125A Z .778 .778 0 %100 137 M113B X 0 0 0 %100 138 M113B Z 2.184 2.184 0 %100 139 M114A X 0 0 0 %100 140 M114A X 0 0 0 %100 141 M115A X 0 0 0 %100 142 M115A X 0 0 0 %100 143 M116B X 0 0 0 %100 144 M16B Z .995 .995 0 %100 145 M117B X 0 0 0 %100 146 M117B X 0 0 0 %100 148 M118B X 0 0		M124A	X			0	%100
136 M125A Z .778 .778 0 %100 137 M113B X 0 0 0 %100 138 M113B Z 2.184 2.184 0 %100 139 M114A X 0 0 0 %100 140 M114A X 0 0 0 %100 140 M114A X 0 0 0 %100 141 M115A X 0 0 0 %100 142 M115A Z 4.852 4.852 0 %100 143 M116B X 0 0 0 %100 144 M116B X 0 0 0 %100 145 M17B X 0 0 0 %100 146 M117B X 0 0 0 %100 148 M118B X 0	134	M124A	Z	.778	.778	0	%100
136 M125A Z .778 .778 0 %100 137 M113B X 0 0 0 %100 138 M113B Z 2.184 2.184 0 %100 139 M114A X 0 0 0 %100 140 M114A X 0 0 0 %100 140 M114A X 0 0 0 %100 141 M115A X 0 0 0 %100 142 M115A Z 4.852 4.852 0 %100 143 M116B X 0 0 0 %100 144 M116B X 0 0 0 %100 145 M17B X 0 0 0 %100 146 M117B X 0 0 0 %100 148 M118B X 0	135	M125A	X	0	0	0	%100
137 M113B X 0 0 0 %100 138 M113B Z 2.184 2.184 0 %100 139 M114A X 0 0 0 %100 140 M114A Z .526 .526 0 %100 141 M115A X 0 0 0 %100 142 M115A Z 4.852 4.852 0 %100 143 M116B X 0 0 0 %100 144 M116B X 0 0 0 %100 144 M116B X 0 0 %100 %100 145 M117B X 0 0 0 %100 146 M117B X 0 0 0 %100 147 M118B X 0 0 0 %100 148 M119B X 0 </td <td></td> <td></td> <td></td> <td>778</td> <td></td> <td></td> <td></td>				778			
138 M113B Z 2.184 2.184 0 %100 139 M114A X 0 0 0 %100 140 M114A Z .526 .526 0 %100 141 M115A X 0 0 0 %100 142 M115A Z 4.852 4.852 0 %100 143 M116B X 0 0 0 %100 144 M116B X 0 0 0 %100 145 M117B X 0 0 0 %100 146 M117B Z .995 .995 0 %100 147 M118B X 0 0 0 %100 148 M118B X 0 0 0 %100 149 M119B X 0 0 0 %100 150 M12B X 0							
139 M114A X 0 0 0 %100 140 M114A Z .526 .526 0 %100 141 M115A X 0 0 0 %100 142 M115A Z 4.852 4.852 0 %100 143 M116B X 0 0 0 %100 144 M116B Z .995 .995 0 %100 145 M117B X 0 0 0 %100 146 M117B Z .995 .995 0 %100 147 M118B X 0 0 0 %100 148 M118B Z .995 .995 0 %100 149 M119B X 0 0 0 %100 150 M119B Z .995 .995 0 %100 151 M120B X							
140 M114A Z .526 .526 0 %100 141 M115A X 0 0 0 %100 142 M115A Z 4.852 4.852 0 %100 143 M116B X 0 0 0 %100 144 M116B Z .995 .995 0 %100 145 M117B X 0 0 0 %100 146 M117B Z .995 .995 0 %100 147 M118B X 0 0 0 %100 148 M118B Z .995 .995 0 %100 149 M119B X 0 0 0 %100 150 M119B X 0 0 0 %100 151 M120B X 0 0 0 %100 152 M120B X							
141 M115A X 0 0 %100 142 M115A Z 4.852 4.852 0 %100 143 M116B X 0 0 0 %100 144 M116B Z .995 .995 0 %100 145 M117B X 0 0 0 %100 146 M117B Z .995 .995 0 %100 147 M118B X 0 0 0 %100 148 M118B Z .995 .995 0 %100 149 M119B X 0 0 0 %100 150 M119B Z .995 .995 0 %100 151 M120B X 0 0 0 %100 152 M120B Z 0 0 0 %100 153 M121B X 0							
142 M115A Z 4.852 4.852 0 %100 143 M116B X 0 0 0 %100 144 M116B Z .995 .995 0 %100 145 M117B X 0 0 0 %100 146 M117B Z .995 .995 0 %100 147 M118B X 0 0 0 %100 148 M118B Z .995 .995 0 %100 149 M119B X 0 0 0 %100 150 M119B X 0 0 0 %100 151 M120B X 0 0 0 %100 152 M120B X 0 0 0 %100 153 M121B X 0 0 0 %100 154 M126A X 0<							
143 M116B X 0 0 0 %100 144 M116B Z .995 .995 0 %100 145 M117B X 0 0 0 %100 146 M117B Z .995 .995 0 %100 147 M118B X 0 0 0 %100 148 M118B Z .995 .995 0 %100 149 M119B X 0 0 0 %100 150 M119B Z .995 .995 0 %100 151 M120B X 0 0 0 %100 152 M120B X 0 0 0 %100 153 M121B X 0 0 0 %100 154 M12B Z 0 0 0 %100 155 M126A X 0 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
144 M116B Z .995 .995 0 %100 145 M117B X 0 0 0 %100 146 M117B Z .995 .995 0 %100 147 M118B X 0 0 0 %100 148 M118B Z .995 .995 0 %100 149 M119B X 0 0 0 %100 150 M119B Z .995 .995 0 %100 151 M120B X 0 0 0 %100 152 M120B Z 0 0 0 %100 153 M121B X 0 0 0 %100 154 M121B Z 0 0 0 %100 155 M126A X 0 0 0 %100 156 M126A Z 6.30				4.852	4.852		
144 M116B Z .995 .995 0 %100 145 M117B X 0 0 0 %100 146 M117B Z .995 .995 0 %100 147 M118B X 0 0 0 %100 148 M118B Z .995 .995 0 %100 149 M119B X 0 0 0 %100 150 M119B Z .995 .995 0 %100 151 M120B X 0 0 0 %100 152 M120B Z 0 0 0 %100 153 M121B X 0 0 0 %100 154 M121B Z 0 0 0 %100 155 M126A X 0 0 0 %100 156 M126A Z 6.30	143	M116B	X	0	0	0	%100
145 M117B X 0 0 0 %100 146 M117B Z .995 .995 0 %100 147 M118B X 0 0 0 %100 148 M118B Z .995 .995 0 %100 149 M119B X 0 0 0 %100 150 M119B Z .995 .995 0 %100 151 M120B X 0 0 0 %100 152 M120B Z 0 0 0 %100 153 M121B X 0 0 0 %100 154 M121B Z 0 0 0 %100 155 M126A X 0 0 0 %100 156 M126A Z 6.301 6.301 0 %100			Z				
146 M117B Z .995 .995 0 %100 147 M118B X 0 0 0 %100 148 M118B Z .995 .995 0 %100 149 M119B X 0 0 0 %100 150 M119B Z .995 .995 0 %100 151 M120B X 0 0 0 %100 152 M120B Z 0 0 0 %100 153 M121B X 0 0 0 %100 154 M121B Z 0 0 0 %100 155 M126A X 0 0 0 %100 156 M126A Z 6.301 6.301 0 %100			X				
147 M118B X 0 0 0 %100 148 M118B Z .995 .995 0 %100 149 M119B X 0 0 0 %100 150 M119B Z .995 .995 0 %100 151 M120B X 0 0 0 %100 152 M120B Z 0 0 0 %100 153 M121B X 0 0 0 %100 154 M121B Z 0 0 0 %100 155 M126A X 0 0 0 %100 156 M126A Z 6.301 6.301 0 %100			7				
148 M118B Z .995 .995 0 %100 149 M119B X 0 0 0 %100 150 M119B Z .995 .995 0 %100 151 M120B X 0 0 0 %100 152 M120B Z 0 0 0 %100 153 M121B X 0 0 0 %100 154 M121B Z 0 0 0 %100 155 M126A X 0 0 0 %100 156 M126A Z 6.301 6.301 0 %100							
149 M119B X 0 0 0 %100 150 M119B Z .995 .995 0 %100 151 M120B X 0 0 0 %100 152 M120B Z 0 0 0 %100 153 M121B X 0 0 0 %100 154 M121B Z 0 0 0 %100 155 M126A X 0 0 0 %100 156 M126A Z 6.301 6.301 0 %100			<u> </u>				
151 M120B X 0 0 0 %100 152 M120B Z 0 0 0 %100 153 M121B X 0 0 0 %100 154 M121B Z 0 0 0 %100 155 M126A X 0 0 0 %100 156 M126A Z 6.301 6.301 0 %100			Z				
151 M120B X 0 0 0 %100 152 M120B Z 0 0 0 %100 153 M121B X 0 0 0 %100 154 M121B Z 0 0 0 %100 155 M126A X 0 0 0 %100 156 M126A Z 6.301 6.301 0 %100			X				
151 M120B X 0 0 0 %100 152 M120B Z 0 0 0 %100 153 M121B X 0 0 0 %100 154 M121B Z 0 0 0 %100 155 M126A X 0 0 0 %100 156 M126A Z 6.301 6.301 0 %100	150	M119B		.995	.995	0	%100
152 M120B Z 0 0 %100 153 M121B X 0 0 0 %100 154 M121B Z 0 0 0 %100 155 M126A X 0 0 0 %100 156 M126A Z 6.301 6.301 0 %100							
153 M121B X 0 0 0 %100 154 M121B Z 0 0 0 %100 155 M126A X 0 0 0 %100 156 M126A Z 6.301 6.301 0 %100							
154 M121B Z 0 0 0 %100 155 M126A X 0 0 0 %100 156 M126A Z 6.301 6.301 0 %100							
155 M126A X 0 0 0 %100 156 M126A Z 6.301 6.301 0 %100			7				
156 M126A Z 6.301 6.301 0 %100							
					*		
14E7 M400 V 0 0 0 0 0 0							
161 M13U X U U U %100	157	M130	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,	Start Location[ft,%]	End Location[ft,%]
158	M130	Z	1.575	1.575	0	%100
159	M135	X	0	0	0	%100
160	M135	Z	1.575	1.575	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
1	M109	X	-4.146	-4.146	0	%100
2	M109	Z	7.181	7.181	0	%100
3	M110	X	-4.146	-4.146	0	%100
4	M110	Z	7.181	7.181	0	%100
5	MP5A	X	-2.994	-2.994	0	%100
6	MP5A	Z	5.186	5.186	0	%100
7	POS.5A	X	-2.994	-2.994	0	%100
8	POS.5A	Z	5.186	5.186	0	%100
9	M113	X	-2.847	-2.847	0	%100
10	M113	Z	4.931	4.931	0	%100
11	MP3A	X	-2.994	-2.994	0	%100
12	MP3A	Z	5.186	5.186	0	%100
13	MP1A	X	-2.994	-2.994	0	%100
14	MP1A	Z	5.186	5.186	0	%100
15	M116	X	00096	00096	0	%100
16	M116	Z	.002	.002	0	%100
17	M117	X	-3.427	-3.427	0	%100
18	M117	Z	5.936	5.936	0	%100 %100
19	M118	X	-3.201	-3.201	0	%100 %100
20	M118	Z	5.544	5.544	0	%100 %100
21	M119	X	00096	00096	0	%100 %100
22	M119	Z	.002	.002	0	%100 %100
23	M120	X	-3.427	-3.427	0	%100 %100
24	M120	Z	5.936	5.936	0	%100 %100
25	M121	X	-3.201	-3.201	0	%100 %100
26	M121	Z	5.544	5.544	0	%100 %100
27	OVPA	X	-3.031	-3.031	0	%100 %100
28	OVPA	Z	5.25	5.25	0	%100 %100
29	M127	X	-3.768	-3.768	0	%100 %100
30	M127	Z	6.526	6.526	0	%100 %100
31	M128	X	-3.768	-3.768	0	%100 %100
32	M128	Z			0	%100 %100
			6.526	6.526		
33	POS.4A	X Z	-3.151	-3.151	0	%100 %400
34	POS.4A		5.457	5.457	0	%100
35	MP2A	X	-3.151	-3.151	0	%100
36	MP2A	Z	5.457	5.457	0	%100
37	MP4A	X	-3.151	-3.151	0	%100
38	MP4A	Z	5.457	5.457	0	%100
39	M30B	X	0	0	0	%100
40	M30B	Z	0	0	0	%100
41	M31B	X	0	0	0	%100
42	M31B	Z	0	0	0	%100
43	M34	X	-4.146	-4.146	0	%100
44	M34	Z	7.181	7.181	0	%100
45	M35	X	-4.146	-4.146	0	%100
46	M35	Z	7.181	7.181	0	%100
47	MP5C	X	-2.994	-2.994	0	%100
48	MP5C	Z	5.186	5.186	0	%100
49	POS.5C	X	-2.994	-2.994	0	%100
50	POS.5C	Z	5.186	5.186	0	%100
51	M38	X	-2.847	-2.847	0	%100
52	M38	Z	4.931	4.931	0	%100



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

			. Guaciare Wo	(======================================	,	
	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
53	MP3C	X	-2.994	-2.994	0	%100
54	MP3C	Z	5.186	5.186	0	%100
55	MP1C	X	-2.994	-2.994	0	%100
56	MP1C	Z	5.186	5.186	0	%100
57	M41	X	-3.201	-3.201	0	%100
58	M41	Z	5.544	5.544	0	%100 %100
59	M42	X	-3.427	-3.427	0	%100 %100
60	M42	Z	5.936	5.936	0	%100 %100
61	M43	X	00096	00096	0	%100 %100
62	M43	Z				
			.002	.002	0	%100
63	M44	X	-3.201	-3.201	0	%100 %400
64	M44	Z	5.544	5.544	0	%100
65	M45	X	-3.427	-3.427	0	%100
66	M45	Z	5.936	5.936	0	%100
67	M46	X	00096	00096	0	%100
68	M46	Z	.002	.002	0	%100
69	OVPC	X	-3.031	-3.031	0	%100
70	OVPC	Z	5.25	5.25	0	%100
71	M52	X	-3.768	-3.768	0	%100
72	M52	Z	6.526	6.526	0	%100
73	M53	X	-3.768	-3.768	0	%100
74	M53	Z	6.526	6.526	0	%100
75	POS.4C	X	-3.151	-3.151	0	%100
76	POS.4C	Z	5.457	5.457	0	%100
77	MP2C	X	-3.151	-3.151	0	%100
78	MP2C	Z	5.457	5.457	0	%100
79	MP4C	X	-3.151	-3.151	0	%100
80	MP4C	Z	5.457	5.457	0	%100 %100
81	M63	X	-6.18	-6.18	0	%100 %100
82	M63	Z	10.704	10.704	0	%100 %100
83	M64	X	-6.18	-6.18	0	%100 %100
84	M64	Z	10.704	10.704	0	%100 %100
85	M67	X	0	0	0	%100 %100
86	M67	Z	0	0	0	%100 %100
		X				
87	M68	Z	0	0	0	%100 %400
88	M68		0	-	0	%100 %400
89	MP5B	X	-2.994	-2.994	0	%100
90	MP5B	Z	5.186	5.186	0	%100
91	POS.5B	X	-2.994	-2.994	0	%100
92	POS.5B	Z	5.186	5.186	0	%100
93	M71	X	-2.847	-2.847	0	%100
94	M71	Z	4.931	4.931	0	%100
95	MP3B	X	-2.994	-2.994	0	%100
96	MP3B	Z	5.186	5.186	0	%100
97	MP1B	X	-2.994	-2.994	0	%100
98	MP1B	Z	5.186	5.186	0	%100
99	M74	X	-3.312	-3.312	0	%100
100	M74	Z	5.737	5.737	0	%100
101	M75	Х	0	0	0	%100
102	M75	Z	0	0	0	%100
103	M76	X	-3.312	-3.312	0	%100
104	M76	Z	5.737	5.737	0	%100 %100
105	M77	X	-3.312	-3.312	0	%100 %100
106	M77	Z	5.737	5.737	0	%100 %100
107	M78	X	0	0	0	%100 %100
108	M78	Z	0	0	0	%100 %100
108	M79	X	-3.312	-3.312	0	%100 %100
110	M79	Z	5.737	5.737	0	%100 %100
	OVPB					
111	OAAR	X	-3.031	-3.031	0	%100



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

	Member Label	Direction		End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
112	OVPB	Z	5.25	5.25	0	%100
113	M85	X	-3.768	-3.768	0	%100
114	M85	Z	6.526	6.526	0	%100
115	M86	X	-3.768	-3.768	0	%100
116	M86	Z	6.526	6.526	0	%100
117	POS.4B	X	-3.151	-3.151	0	%100
118	POS.4B	Z	5.457	5.457	0	%100
119	MP2B	X	-3.151	-3.151	0	%100
120	MP2B	Z	5.457	5.457	0	%100
121	MP4B	X	-3.151	-3.151	0	%100
122	MP4B	Z	5.457	5.457	0	%100
123	M96	X	-6.18	-6.18	0	%100
124	M96	Z	10.704	10.704	0	%100
125	M97	X	-6.18	-6.18	0	%100
126	M97	Z	10.704	10.704	0	%100
127	M113A	X	-2.238	-2.238	0	%100
128	M113A	Z	3.876	3.876	0	%100
129	M114	X	519	519	0	%100
130	M114	Z	.899	.899	0	%100
131	M115	Х	519	519	0	%100
132	M115	Z	.899	.899	0	%100
133	M124A	X	519	519	0	%100
134	M124A	Z	.899	.899	0	%100
135	M125A	X	519	519	0	%100
136	M125A	Z	.899	.899	0	%100
137	M113B	X	-2.258	-2.258	0	%100
138	M113B	Z	3.911	3.911	0	%100
139	M114A	Х	094	094	0	%100
140	M114A	Z	.164	.164	0	%100
141	M115A	X	-1.429	-1.429	0	%100
142	M115A	Z	2.474	2.474	0	%100
143	M116B	X	663	663	0	%100
144	M116B	Z	1.149	1.149	0	%100
145	M117B	X	663	663	0	%100
146	M117B	Z	1.149	1.149	0	%100
147	M118B	X	166	166	0	%100
148	M118B	Z	.287	.287	0	%100
149	M119B	X	166	166	0	%100
150	M119B	Z	.287	.287	0	%100
151	M120B	X	166	166	0	%100
152	M120B	Z	.287	.287	0	%100
153	M121B	X	166	166	0	%100
154	M121B	Z	.287	.287	0	%100
155	M126A	X	-2.363	-2.363	0	%100
156	M126A	Z	4.093	4.093	0	%100
157	M130	X	-2.363	-2.363	0	%100
158	M130	Z	4.093	4.093	0	%100
159	M135	Х	0	0	0	%100
160	M135	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
1	M109	X	-2.394	-2.394	0	%100
2	M109	Z	1.382	1.382	0	%100
3	M110	X	-2.394	-2.394	0	%100
4	M110	Z	1.382	1.382	0	%100
5	MP5A	X	-5.186	-5.186	0	%100
6	MP5A	Z	2.994	2.994	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,			End Location[ft,%]
7	POS.5A	X	-5.186	-5.186	0	%100
8	POS.5A	Z	2.994	2.994	0	%100
9	M113	X	-4.931	-4.931	0	%100
10	M113	Z	2.847	2.847	0	%100
11	MP3A	X	-5.186	-5.186	0	%100
12	MP3A	Z	2.994	2.994	0	%100
13	MP1A	X	-5.186	-5.186	0	%100
14	MP1A	Z	2.994	2.994	0	%100
15	M116	X	-1.978	-1.978	0	%100
16	M116	Z	1.142	1.142	0	%100
17	M117	X	-1.979	-1.979	0	%100
18	M117	Z	1.142	1.142	0	%100
19	M118	X	-7.52	-7.52	0	%100
20	M118	Z	4.342	4.342	0	%100
21	M119	X	-1.978	-1.978	0	%100
22	M119	Z	1.142	1.142	0	%100
23	M120	X	-1.979	-1.979	0	%100
24	M120	Z	1.142	1.142	0	%100
25	M121	X	-7.52	-7.52	0	%100
26	M121	Z	4.342	4.342	0	%100
27	OVPA	X	-5.25	-5.25	0	%100
28	OVPA	Z	3.031	3.031	0	%100
29	M127	X	-6.526	-6.526	0	%100
30	M127	Z	3.768	3.768	0	%100
31	M128	X	-6.526	-6.526	0	%100
32	M128	Z	3.768	3.768	0	%100
33	POS.4A	X	-5.457	-5.457	0	%100
34	POS.4A	Z	3.151	3.151	0	%100
35	MP2A	X	-5.457	-5.457	0	%100
36	MP2A	Z	3.151	3.151	0	%100
37	MP4A	X	-5.457	-5.457	0	%100
38	MP4A	Z	3.151	3.151	0	%100
39	M30B	X	-3.568	-3.568	0	%100
40	M30B	Z	2.06	2.06	0	%100
41	M31B	X	-3.568	-3.568	0	%100
42	M31B	Z	2.06	2.06	0	%100
43	M34	X	-9.574	-9.574	0	%100
44	M34	Z	5.528	5.528	0	%100
45	M35	X	-9.574	-9.574	0	%100
46	M35	Z	5.528	5.528	0	%100
47	MP5C	X	-5.186	-5.186	0	%100
48	MP5C	Z	2.994	2.994	0	%100
49	POS.5C	X	-5.186	-5.186	0	%100
50	POS.5C	Z	2.994	2.994	0	%100
51	M38	X	-4.931	-4.931	0	%100
52	M38	Z	2.847	2.847	0	%100
53	MP3C	X	-5.186	-5.186	0	%100
54	MP3C	Z	2.994	2.994	0	%100
55	MP1C	X	-5.186	-5.186	0	%100
56	MP1C	Z	2.994	2.994	0	%100
57	M41	X	-1.784	-1.784	0	%100
58	M41	Z	1.03	1.03	0	%100
59	M42	X	-7.915	-7.915	0	%100
60	M42	Z	4.57	4.57	0	%100
61	M43	X	-1.784	-1.784	0	%100
62	M43	Z	1.03	1.03	0	%100
63	M44	X	-1.784	-1.784	0	%100
64	M44	Z	1.03	1.03	0	%100
65	M45	X	-7.915	-7.915	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
66	M45	Z	4.57	4.57	0	%100
67	M46	X	-1.784	-1.784	0	%100
68	M46	Z	1.03	1.03	0	%100
69	OVPC	X	-5.25	-5.25	0	%100
70	OVPC	Z	3.031	3.031	0	%100
71	M52	X	-6.526	-6.526	0	%100
72	M52	Z	3.768	3.768	0	%100
73	M53	X	-6.526	-6.526	0	%100
74	M53	Z	3.768	3.768	0	%100
75	POS.4C	X	-5.457	-5.457	0	%100
76	POS.4C	Z	3.151	3.151	0	%100
77	MP2C	X	-5.457	-5.457	0	%100
78	MP2C	Z	3.151	3.151	0	%100
79	MP4C	X	-5.457	-5.457	0	%100
80	MP4C	Z	3.151	3.151	0	%100
81	M63	X	-3.568	-3.568	0	%100
82	M63	Z	2.06	2.06	0	%100
83	M64	X	-3.568	-3.568	0	%100
84	M64	Z	2.06	2.06	0	%100
85	M67	X	-2.394	-2.394	0	%100
86	M67	Z	1.382	1.382	0	%100
87	M68	X	-2.394	-2.394	0	%100
88	M68	Z	1.382	1.382	0	%100
89	MP5B	X	-5.186	-5.186	0	%100
90	MP5B	Z	2.994	2.994	0	%100
91	POS.5B	X	-5.186	-5.186	0	%100
92	POS.5B	Z	2.994	2.994	0	%100
93	M71 M71	X Z	-4.931	-4.931	0	%100 %400
94 95	MP3B	X	2.847 -5.186	2.847 -5.186	0	%100 %100
96	MP3B	Z	2.994	2.994	0	%100 %100
97	MP1B	X	-5.186	-5.186	0	%100 %100
98	MP1B	Z	2.994	2.994	0	%100 %100
99	M74	X	-7.52	-7.52	0	%100 %100
100	M74	Z	4.342	4.342	0	%100 %100
101	M75	X	-1.979	-1.979	0	%100
102	M75	Z	1.142	1.142	0	%100
103	M76	X	-1.978	-1.978	0	%100
104	M76	Z	1.142	1.142	0	%100
105	M77	X	-7.52	-7.52	0	%100
106	M77	Z	4.342	4.342	0	%100
107	M78	X	-1.979	-1.979	0	%100
108	M78	Z	1.142	1.142	0	%100
109	M79	X	-1.978	-1.978	0	%100
110	M79	Z	1.142	1.142	0	%100
111	OVPB	X	-5.25	-5.25	0	%100
112	OVPB	Z	3.031	3.031	0	%100
113	M85	X	-6.526	-6.526	0	%100
114	M85	Z	3.768	3.768	0	%100
115	M86	X	-6.526	-6.526	0	%100
116	M86	Z	3.768	3.768	0	%100
117	POS.4B	X	-5.457	-5.457	0	%100 %400
118	POS.4B	Z	3.151	3.151	0	%100 %100
119	MP2B	X Z	-5.457 2.151	-5.457	0	%100 %100
120 121	MP2B MP4B	X	3.151 -5.457	3.151 -5.457	0	%100 %100
122	MP4B MP4B	Z	3.151	3.151	0	%100 %100
123	M96	X	-14.272	-14.272	0	%100 %100
124	M96	Z	8.24	8.24	0	%100 %100
127	17100	_	0.27	0.24	•	70100



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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
125	M97	X	-14.272	-14.272	0	%100
126	M97	Z	8.24	8.24	0	%100
127	M113A	X	-3.876	-3.876	0	%100
128	M113A	Z	2.238	2.238	0	%100
129	M114	X	674	674	0	%100
130	M114	Z	.389	.389	0	%100
131	M115	X	674	674	0	%100
132	M115	Z	.389	.389	0	%100
133	M124A	X	674	674	0	%100
134	M124A	Z	.389	.389	0	%100
135	M125A	X	674	674	0	%100
136	M125A	Z	.389	.389	0	%100
137	M113B	Χ	-4.202	-4.202	0	%100
138	M113B	Z	2.426	2.426	0	%100
139	M114A	X	-1.891	-1.891	0	%100
140	M114A	Z	1.092	1.092	0	%100
141	M115A	X	455	455	0	%100
142	M115A	Z	.263	.263	0	%100
143	M116B	X	862	862	0	%100
144	M116B	Z	.497	.497	0	%100
145	M117B	X	862	862	0	%100
146	M117B	Z	.497	.497	0	%100
147	M118B	X	0	0	0	%100
148	M118B	Z	0	0	0	%100
149	M119B	X	0	0	0	%100
150	M119B	Z	0	0	0	%100
151	M120B	X	862	862	0	%100
152	M120B	Z	.497	.497	0	%100
153	M121B	X	862	862	0	%100
154	M121B	Z	.497	.497	0	%100
155	M126A	X	-1.364	-1.364	0	%100
156	M126A	Z	.788	.788	0	%100
157	M130	X	-5.457	-5.457	0	%100
158	M130	Z	3.151	3.151	0	%100
159	M135	X	-1.364	-1.364	0	%100
160	M135	Z	.788	.788	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
1	M109	X	0	0	0	%100
2	M109	Z	0	0	0	%100
3	M110	X	0	0	0	%100
4	M110	Z	0	0	0	%100
5	MP5A	X	-5.988	-5.988	0	%100
6	MP5A	Z	0	0	0	%100
7	POS.5A	X	-5.988	-5.988	0	%100
8	POS.5A	Z	0	0	0	%100
9	M113	X	-5.693	-5.693	0	%100
10	M113	Z	0	0	0	%100
11	MP3A	X	-5.988	-5.988	0	%100
12	MP3A	Z	0	0	0	%100
13	MP1A	X	-5.988	-5.988	0	%100
14	MP1A	Z	0	0	0	%100
15	M116	X	-6.625	-6.625	0	%100
16	M116	Z	0	0	0	%100
17	M117	X	0	0	0	%100
18	M117	Z	0	0	0	%100
19	M118	X	-6.625	-6.625	0	%100



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

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	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
20	M118	Z	0	0	0	%100
21	M119	X	-6.625	-6.625	0	%100
22	M119	Z	0	0	0	%100
23	M120	X	0	0	0	%100
24	M120	Z	0	0	0	%100 %100
				•		
25	M121	X	-6.625	-6.625	0	%100
26	M121	Z	0	0	0	%100
27	OVPA	X	-6.062	-6.062	0	%100
28	OVPA	Z	0	0	0	%100
29	M127	X	-7.536	-7.536	0	%100
30	M127	Z	0	0	0	%100
31	M128	X	-7.536	-7.536	0	%100
32	M128	Z	0	0	0	%100
33	POS.4A	X	-6.301	-6.301	0	%100
34	POS.4A	Z	0	0	0	%100 %100
35	MP2A	X	-6.301	-6.301	0	%100 %100
		Z			0	
36	MP2A		0	0		%100
37	MP4A	X	-6.301	-6.301	0	%100
38	MP4A	Z	0	0	0	%100
39	M30B	X	-12.36	-12.36	0	%100
40	M30B	Z	0	0	0	%100
41	M31B	X	-12.36	-12.36	0	%100
42	M31B	Z	0	0	0	%100
43	M34	X	-8.291	-8.291	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	-8.291	-8.291	0	%100 %100
46	M35	Z	0	0	0	%100 %100
47		X	-	-5.988	0	
	MP5C		-5.988		-	%100 %400
48	MP5C	Z	0	0	0	%100
49	POS.5C	X	-5.988	-5.988	0	%100
50	POS.5C	Z	0	0	0	%100
51	M38	X	-5.693	-5.693	0	%100
52	M38	Z	0	0	0	%100
53	MP3C	X	-5.988	-5.988	0	%100
54	MP3C	Z	0	0	0	%100
55	MP1C	X	-5.988	-5.988	0	%100
56	MP1C	Z	0	0	0	%100
57	M41	X	002	002	0	%100
58	M41	Z	0	0	0	%100 %100
59	M42	X	-6.854	-6.854	0	%100 %100
		Z			0	
60	M42		0	0		%100 %100
61	M43	X	-6.401	-6.401	0	%100
62	M43	Z	0	0	0	%100
63	M44	X	002	002	0	%100
64	M44	Z	0	0	0	%100
65	M45	X	-6.854	-6.854	0	%100
66	M45	Z	0	0	0	%100
67	M46	X	-6.401	-6.401	0	%100
68	M46	Z	0	0	0	%100
69	OVPC	X	-6.062	-6.062	0	%100
70	OVPC	Z	0	0	0	%100 %100
71	M52	X	-7.536	-7.536	0	%100 %100
		Z				
72	M52		0	0 7.500	0	%100
73	M53	X	-7.536	-7.536	0	%100
74	M53	Z	0	0	0	%100
75	POS.4C	X	-6.301	-6.301	0	%100
76	POS.4C	Z	0	0	0	%100
77	MP2C	X	-6.301	-6.301	0	%100
78	MP2C	Z	0	0	0	%100



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

	Dei Distributed Lot			(======================================		
	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft	Start Location[ft.%]	End Location[ft,%]
79	MP4C	Χ	-6.301	-6.301	0	%100
80	MP4C	Z	0	0	0	%100
81	M63	X	0	0	0	%100
82	M63	Z	0	0	0	%100 %100
83	M64	X	0	0	0	%100 %100
84	M64	Z	0	0	0	%100 %100
$\overline{}$				*		
85	M67	X	-8.291	-8.291	0	%100
86	M67	Z	0	0	0	%100
87	M68	X	-8.291	-8.291	0	%100
88	M68	Z	0	0	0	%100
89	MP5B	X	-5.988	-5.988	0	%100
90	MP5B	Z	0	0	0	%100
91	POS.5B	X	-5.988	-5.988	0	%100
92	POS.5B	Z	0	0	0	%100
93	M71	X	-5.693	-5.693	0	%100
94	M71	Z	0	0	0	%100
95	MP3B	X	-5.988	-5.988	0	%100
96	MP3B	Z	0	0	0	%100
97	MP1B	X	-5.988	-5.988	0	%100 %100
98	MP1B	Z	0	0	0	%100 %100
99	M74	X	-6.401	-6.401	0	%100 %100
100	M74	Z	-0.401	-0.401	0	%100 %100
100	M75	X	-6.854	-6.854	0	
						%100
102	M75	Z	0	0	0	%100
103	M76	X	002	002	0	%100
104	M76	Z	0	0	0	%100
105	M77	X	-6.401	-6.401	0	%100
106	M77	Z	0	0	0	%100
107	M78	X	-6.854	-6.854	0	%100
108	M78	Z	0	0	0	%100
109	M79	X	002	002	0	%100
110	M79	Z	0	0	0	%100
111	OVPB	X	-6.062	-6.062	0	%100
112	OVPB	Z	0	0	0	%100
113	M85	X	-7.536	-7.536	0	%100
114	M85	Z	0	0	0	%100
115	M86	X	-7.536	-7.536	0	%100
116	M86	Z	0	0	0	%100
117	POS.4B	X	-6.301	-6.301	0	%100
118	POS.4B	Z	0	0	0	%100 %100
119	MP2B	X	-6.301	-6.301	0	%100 %100
120	MP2B	Z	0	0	0	%100 %100
121	MP4B	X	-6.301	-6.301	0	%100 %100
122	MP4B MP4B	Z	-0.301	-0.301	0	%100 %100
				•		
123	M96	X	-12.36	-12.36	0	%100 %100
124	M96	Z	0	0	0	%100 %400
125	M97	X	-12.36	-12.36	0	%100
126	M97	Z	0	0	0	%100
127	M113A	X	-4.476	-4.476	0	%100
128	M113A	Z	0	0	0	%100
129	M114	X	259	259	0	%100
130	M114	Z	0	0	0	%100
131	M115	X	259	259	0	%100
132	M115	Z	0	0	0	%100
133	M124A	X	259	259	0	%100
134	M124A	Z	0	0	0	%100
135	M125A	X	259	259	0	%100
136	M125A	Z	0	0	0	%100
137	M113B	X	-2.857	-2.857	0	%100
		•				,0.00

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
138	M113B	Z	0	0	0	%100
139	M114A	X	-4.516	-4.516	0	%100
140	M114A	Z	0	0	0	%100
141	M115A	X	189	189	0	%100
142	M115A	Z	0	0	0	%100
143	M116B	X	332	332	0	%100
144	M116B	Z	0	0	0	%100
145	M117B	X	332	332	0	%100
146	M117B	Z	0	0	0	%100
147	M118B	X	332	332	0	%100
148	M118B	Z	0	0	0	%100
149	M119B	X	332	332	0	%100
150	M119B	Z	0	0	0	%100
151	M120B	X	-1.327	-1.327	0	%100
152	M120B	Z	0	0	0	%100
153	M121B	X	-1.327	-1.327	0	%100
154	M121B	Z	0	0	0	%100
155	M126A	X	0	0	0	%100
156	M126A	Z	0	0	0	%100
157	M130	Χ	-4.726	-4.726	0	%100
158	M130	Z	0	0	0	%100
159	M135	X	-4.726	-4.726	0	%100
160	M135	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,	Start Location[ft,%]	End Location[ft,%]
1	M109	X	-2.394	-2.394	0	%100
2	M109	Z	-1.382	-1.382	0	%100
3	M110	X	-2.394	-2.394	0	%100
4	M110	Z	-1.382	-1.382	0	%100
5	MP5A	X	-5.186	-5.186	0	%100
6	MP5A	Z	-2.994	-2.994	0	%100
7	POS.5A	X	-5.186	-5.186	0	%100
8	POS.5A	Z	-2.994	-2.994	0	%100
9	M113	X	-4.931	-4.931	0	%100
10	M113	Z	-2.847	-2.847	0	%100
11	MP3A	X	-5.186	-5.186	0	%100
12	MP3A	Z	-2.994	-2.994	0	%100
13	MP1A	X	-5.186	-5.186	0	%100
14	MP1A	Z	-2.994	-2.994	0	%100
15	M116	X	-7.52	-7.52	0	%100
16	M116	Z	-4.342	-4.342	0	%100
17	M117	X	-1.979	-1.979	0	%100
18	M117	Z	-1.142	-1.142	0	%100
19	M118	X	-1.978	-1.978	0	%100
20	M118	Z	-1.142	-1.142	0	%100
21	M119	X	-7.52	-7.52	0	%100
22	M119	Z	-4.342	-4.342	0	%100
23	M120	X	-1.979	-1.979	0	%100
24	M120	Z	-1.142	-1.142	0	%100
25	M121	X	-1.978	-1.978	0	%100
26	M121	Z	-1.142	-1.142	0	%100
27	OVPA	X	-5.25	-5.25	0	%100
28	OVPA	Z	-3.031	-3.031	0	%100
29	M127	X	-6.526	-6.526	0	%100
30	M127	Z	-3.768	-3.768	0	%100
31	M128	X	-6.526	-6.526	0	%100
32	M128	Z	-3.768	-3.768	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
33	POS.4A	Χ	-5.457	-5.457	0	%100
34	POS.4A	Z	-3.151	-3.151	0	%100
35	MP2A	X	-5.457	-5.457	0	%100
36	MP2A	Z	-3.151	-3.151	0	%100
37	MP4A	X	-5.457	-5.457	0	%100
38	MP4A	Z	-3.151	-3.151	0	%100
39	M30B	X	-14.272	-14.272	0	%100
40	M30B	Z	-8.24	-8.24	0	%100 %100
41	M31B	X	-14.272	-14.272	0	%100 %100
42	M31B	Z	-8.24	-8.24	0	%100
43	M34	X	-2.394	-2.394	0	%100 %100
44	M34	Z	-1.382	-1.382	0	%100 %100
45	M35	X	-2.394	-2.394	0	%100 %100
46	M35	Z	-1.382	-1.382	0	%100 %100
47	MP5C	X	-5.186	-5.186	0	%100 %100
48	MP5C	Z	-2.994	-2.994	0	%100 %100
49	POS.5C	X	-5.186	-5.186	0	%100 %100
50	POS.5C	Z	-2.994	-2.994	0	%100 %100
51	M38	X	-4.931	-4.931	0	%100 %100
52	M38	Z	-2.847	-2.847	0	%100 %100
53	MP3C	X	-5.186	-5.186	0	%100 %100
54	MP3C	Z	-2.994	-2.994	0	%100 %100
55	MP1C	X	-5.186	-5.186	0	%100 %100
56	MP1C	Z	-2.994	-2.994	0	%100 %100
57	M41	X		-2.994		
	M41	Z	-1.978		0	%100 %400
58			-1.142	-1.142	0	%100 %400
59	M42	X	-1.979	-1.979	0	%100 %400
60	M42	Z	-1.142	-1.142	0	%100 %400
61	M43	X Z	-7.52	-7.52	0	%100 %400
62	M43		-4.342	-4.342		%100 %400
63	M44	X	-1.978	-1.978	0	%100 %400
64	M44	Z	-1.142	-1.142	0	%100 %400
65	M45	X Z	-1.979	-1.979	0	%100 %400
66	M45		-1.142	-1.142	0	%100
67	M46	X Z	-7.52	-7.52	0	%100 %400
68	M46		-4.342	-4.342	0	%100 %400
69 70	OVPC	X Z	-5.25	-5.25	0	%100 %400
	OVPC		-3.031	-3.031		%100 %400
71	M52	X Z	-6.526	-6.526	0	%100 %400
72	M52		-3.768	-3.768	0	%100 %400
73	M53	X	-6.526	-6.526	0	%100 %400
74	M53	Z	-3.768	-3.768	0	%100 %100
75	POS.4C	X	-5.457	-5.457	0	%100 %400
76	POS.4C	Z	-3.151	-3.151	0	%100 %400
77	MP2C	X	-5.457	-5.457	0	%100 %100
78	MP2C	Z	-3.151	-3.151	0	%100 %100
79	MP4C	X	-5.457	-5.457	0	%100 %400
80	MP4C	Z	-3.151	-3.151	0	%100 %400
81	M63	X	-3.568	-3.568	0	%100 %100
82	M63	Z	-2.06	-2.06	0	%100 %400
83	M64	X	-3.568	-3.568	0	%100
84	M64	Z	-2.06	-2.06	0	%100 %400
85	M67	X	-9.574	-9.574	0	%100 %400
86	M67	Z	-5.528	-5.528	0	%100
87	M68	X	-9.574	-9.574	0	%100
88	M68	Z	-5.528	-5.528	0	%100
89	MP5B	X	-5.186	-5.186	0	%100
90	MP5B	Z	-2.994	-2.994	0	%100
91	POS.5B	X	-5.186	-5.186	0	%100



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

				(300 Deg)) (30		
	Member Label	Direction		End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
92	POS.5B	Z	-2.994	-2.994	0	%100
93	M71	X	-4.931	-4.931	0	%100
94	M71	Z	-2.847	-2.847	0	%100
95	MP3B	X	-5.186	-5.186	0	%100
96	MP3B	Z	-2.994	-2.994	0	%100
97	MP1B	X	-5.186	-5.186	0	%100 %100
\vdash						
98	MP1B	Z	-2.994	-2.994	0	%100
99	M74	X	-1.784	-1.784	0	%100
100	M74	Z	-1.03	-1.03	0	%100
101	M75	X	-7.915	-7.915	0	%100
102	M75	Z	-4.57	-4.57	0	%100
103	M76	X	-1.784	-1.784	0	%100
104	M76	Z	-1.03	-1.03	0	%100
105	M77	X	-1.784	-1.784	0	%100
106	M77	Z	-1.03	-1.03	0	%100
107	M78	X	-7.915	-7.915	0	%100
108	M78	Z	-4.57	-4.57	0	%100
109	M79	X	-1.784	-1.784	0	%100 %100
110	M79	Z	-1.03	-1.03	0	%100 %100
111	OVPB	X	-5.25	-5.25	0	%100 %100
		Z				
112	OVPB		-3.031	-3.031	0	%100 %400
113	M85	X	-6.526	-6.526	0	%100 %400
114	M85	Z	-3.768	-3.768	0	%100
115	M86	X	-6.526	-6.526	0	%100
116	M86	Z	-3.768	-3.768	0	%100
117	POS.4B	X	-5.457	-5.457	0	%100
118	POS.4B	Z	-3.151	-3.151	0	%100
119	MP2B	X	-5.457	-5.457	0	%100
120	MP2B	Z	-3.151	-3.151	0	%100
121	MP4B	X	-5.457	-5.457	0	%100
122	MP4B	Z	-3.151	-3.151	0	%100
123	M96	X	-3.568	-3.568	0	%100
124	M96	Z	-2.06	-2.06	0	%100
125	M97	X	-3.568	-3.568	0	%100
126	M97	Z	-2.06	-2.06	0	%100 %100
127	M113A	X	-3.876	-3.876	0	%100 %100
128	M113A M113A	Z	-2.238	-2.238	0	%100 %100
129	M114	X Z	0	0	0	%100 %400
130	M114		0	0	0	%100
131	M115	X	0	0	0	%100
132	M115	Z	0	0	0	%100
133	M124A	X	0	0	0	%100
134	M124A	Z	0	0	0	%100
135	M125A	X	0	0	0	%100
136	M125A	Z	0	0	0	%100
137	M113B	X	455	455	0	%100
138	M113B	Z	263	263	0	%100
139	M114A	X	-4.202	-4.202	0	%100
140	M114A	Z	-2.426	-2.426	0	%100
141	M115A	X	-1.891	-1.891	0	%100 %100
142	M115A	Z	-1.092	-1.092	0	%100 %100
143	M116B	X	0	0	0	%100 %100
		Z	-			
144	M116B		0	0	0	%100 %400
145	M117B	X	0	0	0	%100
146	M117B	Z	0	0	0	%100
147	M118B	X	862	862	0	%100
148	M118B	Z	497	497	0	%100
149	M119B	X	862	862	0	%100
150	M119B	Z	497	497	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
151	M120B	Χ	862	862	0	%100
152	M120B	Z	497	497	0	%100
153	M121B	X	862	862	0	%100
154	M121B	Z	497	497	0	%100
155	M126A	X	-1.364	-1.364	0	%100
156	M126A	Z	788	788	0	%100
157	M130	X	-1.364	-1.364	0	%100
158	M130	Z	788	788	0	%100
159	M135	X	-5.457	-5.457	0	%100
160	M135	Z	-3.151	-3.151	0	%100

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

	Member Label	Direction	Start MagnitudeIlb/ft	.End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
1	M109	X	-4.146	-4.146	0	%100
2	M109	Z	-7.181	-7.181	0	%100 %100
3	M110	X	-4.146	-4.146	0	%100 %100
4	M110	Z	-7.181	-7.181	0	%100 %100
5	MP5A	X	-2.994	-2.994	0	%100
6	MP5A	Z	-5.186	-5.186	0	%100
7	POS.5A	X	-2.994	-2.994	0	%100
8	POS.5A	Z	-5.186	-5.186	0	%100
9	M113	X	-2.847	-2.847	0	%100
10	M113	Z	-4.931	-4.931	0	%100
11	MP3A	X	-2.994	-2.994	0	%100
12	MP3A	Z	-5.186	-5.186	0	%100
13	MP1A	X	-2.994	-2.994	0	%100
14	MP1A	Z	-5.186	-5.186	0	%100
15	M116	X	-3.201	-3.201	0	%100
16	M116	Z	-5.544	-5.544	0	%100
17	M117	X	-3.427	-3.427	0	%100
18	M117	Z	-5.936	-5.936	0	%100
19	M118	X	00096	00096	0	%100
20	M118	Z	002	002	0	%100
21	M119	X	-3.201	-3.201	0	%100
22	M119	Z	-5.544	-5.544	0	%100
23	M120	X	-3.427	-3.427	0	%100
24	M120	Z	-5.936	-5.936	0	%100
25	M121	X	00096	00096	0	%100
26	M121	Z	002	002	0	%100
27	OVPA	X	-3.031	-3.031	0	%100
28	OVPA	Z	-5.25	-5.25	0	%100
29	M127	X	-3.768	-3.768	0	%100
30	M127	Z	-6.526	-6.526	0	%100
31	M128	X	-3.768	-3.768	0	%100
32	M128	Z	-6.526	-6.526	0	%100
33	POS.4A	X	-3.151	-3.151	0	%100
34	POS.4A	Z	-5.457	-5.457	0	%100
35	MP2A	X	-3.151	-3.151	0	%100
36	MP2A	Z	-5.457	-5.457	0	%100
37	MP4A	X	-3.151	-3.151	0	%100
38	MP4A	Z	-5.457	-5.457	0	%100
39	M30B	X	-6.18	-6.18	0	%100
40	M30B	Z	-10.704	-10.704	0	%100
41	M31B	X	-6.18	-6.18	0	%100
42	M31B	Z	-10.704	-10.704	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	0	0	0	%100



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

		•		(000 Deg/) (00		
	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
46	M35	Z	0	0	0	%100
47	MP5C	X	-2.994	-2.994	0	%100
48	MP5C	Z	-5.186	-5.186	0	%100
49	POS.5C	X	-2.994	-2.994	0	%100
50	POS.5C	Z	-5.186	-5.186	0	%100 %100
51	M38	X	-2.847	-2.847	0	%100
52	M38	Z	-4.931	-4.931	0	%100
53	MP3C	X	-2.994	-2.994	0	%100
54	MP3C	Z	-5.186	-5.186	0	%100
55	MP1C	X	-2.994	-2.994	0	%100
56	MP1C	Z	-5.186	-5.186	0	%100
57	M41	X	-3.312	-3.312	0	%100
58	M41	Z	-5.737	-5.737	0	%100
59	M42	X	0	0	0	%100
60	M42	Z	0	0	0	%100 %100
61	M43	X	-3.312	-3.312	0	%100 %100
62	M43	Z			0	%100 %100
			-5.737	-5.737		
63	M44	X	-3.312	-3.312	0	%100
64	M44	Z	-5.737	-5.737	0	%100
65	M45	X	0	0	0	%100
66	M45	Z	0	0	0	%100
67	M46	X	-3.312	-3.312	0	%100
68	M46	Z	-5.737	-5.737	0	%100
69	OVPC	X	-3.031	-3.031	0	%100
70	OVPC	Z	-5.25	-5.25	0	%100
71	M52	X	-3.768	-3.768	0	%100
72	M52	Z	-6.526	-6.526	0	%100 %100
73	M53	X	-3.768	-3.768	0	%100 %100
					-	
74	M53	Z	-6.526	-6.526	0	%100
75	POS.4C	X	-3.151	-3.151	0	%100
76	POS.4C	Z	-5.457	-5.457	0	%100
77	MP2C	X	-3.151	-3.151	0	%100
78	MP2C	Z	-5.457	-5.457	0	%100
79	MP4C	X	-3.151	-3.151	0	%100
80	MP4C	Z	-5.457	-5.457	0	%100
81	M63	X	-6.18	-6.18	0	%100
82	M63	Z	-10.704	-10.704	0	%100
83	M64	X	-6.18	-6.18	0	%100
84	M64	Z	-10.704	-10.704	0	%100 %100
85	M67	X	-4.146	-4.146	0	%100 %100
86	M67	Z	-7.181	-7.181	0	%100 %100
87	M68	X	-4.146	-4.146	0	%100 %400
88	M68	Z	-7.181	-7.181	0	%100 %400
89	MP5B	X	-2.994	-2.994	0	%100
90	MP5B	Z	-5.186	-5.186	0	%100
91	POS.5B	X	-2.994	-2.994	0	%100
92	POS.5B	Z	-5.186	-5.186	0	%100
93	M71	X	-2.847	-2.847	0	%100
94	M71	Z	-4.931	-4.931	0	%100
95	MP3B	X	-2.994	-2.994	0	%100
96	MP3B	Z	-5.186	-5.186	0	%100
97	MP1B	X	-2.994	-2.994	0	%100 %100
98	MP1B	Z	-5.186	-5.186	0	%100 %100
99	M74	X	00096	00096	0	%100 %400
100	M74	Z	002	002	0	%100
101	M75	X	-3.427	-3.427	0	%100
102	M75	Z	-5.936	-5.936	0	%100
103	M76	X	-3.201	-3.201	0	%100
104	M76	Z	-5.544	-5.544	0	%100



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

		/===	Gaactare Wo	1000 2 09// 100		
	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lh/ft	Start Location[ft,%]	End Location[ft,%]
105	M77	X	00096	00096	0	%100
106	M77	Z	002	002	0	%100 %100
107	M78	X	-3.427	-3.427	0	%100
108	M78	Z	-5.936	-5.936	0	%100
109	M79	X	-3.201	-3.201	0	%100
110	M79	Z	-5.544	-5.544	0	%100
111	OVPB	X	-3.031	-3.031	0	%100
112	OVPB	Z	-5.25	-5.25	0	%100
113	M85	X	-3.768	-3.768	0	%100
114	M85	Z	-6.526	-6.526	0	%100
115	M86	X	-3.768	-3.768	0	%100
116	M86	Z	-6.526	-6.526	0	%100 %100
117	POS.4B	X	-3.151	-3.151	0	%100 %100
		Z				
118	POS.4B		-5.457	-5.457	0	%100
119	MP2B	X	-3.151	-3.151	0	%100
120	MP2B	Z	-5.457	-5.457	0	%100
121	MP4B	X	-3.151	-3.151	0	%100
122	MP4B	Z	-5.457	-5.457	0	%100
123	M96	X	0	0	0	%100
124	M96	Z	0	0	0	%100
125	M97	X	0	0	0	%100
126	M97	Z	0	0	0	%100
127	M113A	X	-2.238	-2.238	0	%100 %100
128	M113A	Z	-3.876	-3.876	0	%100 %100
129	M114	X	13	13	0	%100 %100
		Z				
130	M114		225	225	0	%100
131	M115	X	13	13	0	%100
132	M115	Z	225	225	0	%100
133	M124A	X	13	13	0	%100
134	M124A	Z	225	225	0	%100
135	M125A	X	13	13	0	%100
136	M125A	Z	225	225	0	%100
137	M113B	X	094	094	0	%100
138	M113B	Z	164	164	0	%100
139	M114A	X	-1.429	-1.429	0	%100
140	M114A	Z	-2.474	-2.474	0	%100
141	M115A	X	-2.258	-2.258	0	%100 %100
142	M115A	Z	-3.911	-3.911	0	%100 %100
143	M116B	X	166	166	0	%100 %100
		Z				
144	M116B		287	287	0	%100 %400
145	M117B	X	166	166	0	%100
146	M117B	Z	287	287	0	%100
147	M118B	X	663	663	0	%100
148	M118B	Z	-1.149	-1.149	0	%100
149	M119B	X	663	663	0	%100
150	M119B	Z	-1.149	-1.149	0	%100
151	M120B	X	166	166	0	%100
152	M120B	Z	287	287	0	%100
153	M121B	X	166	166	0	%100
154	M121B	Z	287	287	0	%100 %100
155	M121B M126A	X	-2.363	-2.363	0	%100 %100
		Z			0	
156	M126A		-4.093	-4.093		%100 %400
157	M130	X	0	0	0	%100
158	M130	Z	0	0	0	%100
159	M135	X	-2.363	-2.363	0	%100
160	M135	Z	-4.093	-4.093	0	%100

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



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

		•	. Guactare W			
	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft	Start Location[ft.%]	End Location[ft,%]
1	M109	Х	0	0	0	%100
2	M109	Z	-2.95	-2.95	0	%100
3	M110	X	0	0	0	%100 %100
				<u> </u>		
4	M110	Z	-2.95	-2.95	0	%100
5	MP5A	X	0	0	0	%100
6	MP5A	Z	-2.053	-2.053	0	%100
7	POS.5A	X	0	0	0	%100
8	POS.5A	Z	-2.053	-2.053	0	%100
9	M113	X	0	0	0	%100 %100
		Z				
10	M113		-1.949	-1.949	0	%100
11	MP3A	X	0	0	0	%100
12	MP3A	Z	-2.053	-2.053	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-2.053	-2.053	0	%100
15	M116	X	0	0	0	%100
16	M116	Z	522	522	0	%100 %100
17	M117	X	0	0	0	%100
18	M117	Z	-2.319	-2.319	0	%100
19	M118	X	0	0	0	%100
20	M118	Z	522	522	0	%100
21	M119	X	0	0	0	%100
22	M119	Z	522	522	0	%100 %100
23	M120	X	0	0	0	%100
24	M120	Z	-2.319	-2.319	0	%100
25	M121	X	0	0	0	%100
26	M121	Z	522	522	0	%100
27	OVPA	X	0	0	0	%100
28	OVPA	Z	-1.953	-1.953	0	%100
29	M127	X	0	0	0	%100 %100
30	M127	Z	-2.146	-2.146	0	%100
31	M128	X	0	0	0	%100
32	M128	Z	-2.146	-2.146	0	%100
33	POS.4A	X	0	0	0	%100
34	POS.4A	Z	-2.111	-2.111	0	%100
35	MP2A	X	0	0	0	%100
36	MP2A	Z	-2.111	-2.111	0	%100 %100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	-2.111	-2.111	0	%100
39	M30B	X	0	0	0	%100
40	M30B	Z	977	977	0	%100
41	M31B	X	0	0	0	%100
42	M31B	Z	977	977	0	%100
43	M34	X	0	0	0	%100 %100
	M34	Z	738		0	%100 %100
44				738		
45	M35	X	0	0	0	%100
46	M35	Z	738	738	0	%100
47	MP5C	X	0	0	0	%100
48	MP5C	Z	-2.053	-2.053	0	%100
49	POS.5C	X	0	0	0	%100
50	POS.5C	Z	-2.053	-2.053	0	%100 %100
51	M38	X	0	0	0	%100
52	M38	Z	-1.949	-1.949	0	%100
53	MP3C	X	0	0	0	%100
54	MP3C	Z	-2.053	-2.053	0	%100
55	MP1C	X	0	0	0	%100
56	MP1C	Z	-2.053	-2.053	0	%100 %100
57	M41	X	-2.055	-2.055	0	%100 %100
58	M41	Z	-2.198	-2.198	0	%100
59	M42	X	0	0	0	%100



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

	Ber Bistributed Eet			(3 // (
	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
60	M42	Z	58	58	0	%100
61	M43	X	0	0	0	%100
62	M43	Z	578	578	0	%100
63	M44	X	0	0	0	%100
64	M44	Z	-2.198	-2.198	0	%100 %100
65	M45	X	0	0	0	%100
66	M45	Z	58	58	0	%100
67	M46	X	0	0	0	%100
68	M46	Z	578	578	0	%100
69	OVPC	X	0	0	0	%100
70	OVPC	Z	-1.953	-1.953	0	%100
71	M52	X	0	0	0	%100
72	M52	Z	-2.146	-2.146	0	%100
73	M53	X	0	0	0	%100
74	M53	Z	-2.146	-2.146	0	%100 %100
75	POS.4C	X	0	0	0	%100 %100
		Z	_	-		
76	POS.4C		-2.111	-2.111	0	%100
77	MP2C	X	0	0	0	%100
78	MP2C	Z	-2.111	-2.111	0	%100
79	MP4C	X	0	0	0	%100
80	MP4C	Z	-2.111	-2.111	0	%100
81	M63	X	0	0	0	%100
82	M63	Z	-3.908	-3.908	0	%100
83	M64	X	0	0	0	%100
84	M64	Z	-3.908	-3.908	0	%100
85	M67	X	0	0	0	%100 %100
86	M67	Z	738	738	0	%100 %100
		X	0	/36	0	
87	M68				-	%100
88	M68	Z	738	738	0	%100
89	MP5B	X	0	0	0	%100
90	MP5B	Z	-2.053	-2.053	0	%100
91	POS.5B	X	0	0	0	%100
92	POS.5B	Z	-2.053	-2.053	0	%100
93	M71	X	0	0	0	%100
94	M71	Z	-1.949	-1.949	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	-2.053	-2.053	0	%100
97	MP1B	X	0	0	0	%100
98	MP1B	Z	-2.053	-2.053	0	%100 %100
99	M74	X	-2.033	-2.055	0	%100 %100
				-		
100	M74	Z	578	578	0	%100 %400
101	M75	X	0	0	0	%100
102	M75	Z	58	58	0	%100
103	M76	X	0	0	0	%100
104	M76	Z	-2.198	-2.198	0	%100
105	M77	X	0	0	0	%100
106	M77	Z	578	578	0	%100
107	M78	X	0	0	0	%100
108	M78	Z	58	58	0	%100
109	M79	X	0	0	0	%100 %100
110	M79	Z	-2.198	-2.198	0	%100 %100
			-2.196	-2.196		
111	OVPB	X			0	%100 %400
112	OVPB	Z	-1.953	-1.953	0	%100
113	M85	X	0	0	0	%100
114	M85	Z	-2.146	-2.146	0	%100
115	M86	X	0	0	0	%100
116	M86	Z	-2.146	-2.146	0	%100
117	POS.4B	X	0	0	0	%100
118	POS.4B	Z	-2.111	-2.111	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
119	MP2B	X	0	0	0	%100
120	MP2B	Z	-2.111	-2.111	0	%100
121	MP4B	X	0	0	0	%100
122	MP4B	Z	-2.111	-2.111	0	%100
123	M96	Х	0	0	0	%100
124	M96	Z	977	977	0	%100
125	M97	X	0	0	0	%100
126	M97	Z	977	977	0	%100
127	M113A	X	0	0	0	%100
128	M113A	Z	-1.639	-1.639	0	%100
129	M114	X	0	0	0	%100
130	M114	Z	574	574	0	%100
131	M115	X	0	0	0	%100
132	M115	Z	574	574	0	%100
133	M124A	X	0	0	0	%100
134	M124A	Z	574	574	0	%100
135	M125A	Х	0	0	0	%100
136	M125A	Z	574	574	0	%100
137	M113B	X	0	0	0	%100
138	M113B	Z	818	818	0	%100
139	M114A	X	0	0	0	%100
140	M114A	Z	197	197	0	%100
141	M115A	X	0	0	0	%100
142	M115A	Z	-1.818	-1.818	0	%100
143	M116B	X	0	0	0	%100
144	M116B	Z	617	617	0	%100
145	M117B	X	0	0	0	%100
146	M117B	Z	617	617	0	%100
147	M118B	X	0	0	0	%100
148	M118B	Z	617	617	0	%100
149	M119B	X	0	0	0	%100
150	M119B	Z	617	617	0	%100
151	M120B	Х	0	0	0	%100
152	M120B	Z	0	0	0	%100
153	M121B	X	0	0	0	%100
154	M121B	Z	0	0	0	%100
155	M126A	X	0	0	0	%100
156	M126A	Z	-2.111	-2.111	0	%100
157	M130	X	0	0	0	%100
158	M130	Z	528	528	0	%100
159	M135	X	0	0	0	%100
160	M135	Z	528	528	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft	.End Magnitude[lb/ft	Start Location[ft,%]	End Location[ft,%]
1	M109	X	1.106	1.106	0	%100
2	M109	Z	-1.916	-1.916	0	%100
3	M110	X	1.106	1.106	0	%100
4	M110	Z	-1.916	-1.916	0	%100
5	MP5A	X	1.027	1.027	0	%100
6	MP5A	Z	-1.778	-1.778	0	%100
7	POS.5A	X	1.027	1.027	0	%100
8	POS.5A	Z	-1.778	-1.778	0	%100
9	M113	X	.975	.975	0	%100
10	M113	Z	-1.688	-1.688	0	%100
11	MP3A	Χ	1.027	1.027	0	%100
12	MP3A	Z	-1.778	-1.778	0	%100
13	MP1A	Х	1.027	1.027	0	%100



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

14		Bei Bistilbatea Eet					
15		Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
16	14	MP1A	Z	-1.778	-1.778	0	%100
16	15	M116	X	.000243	.000243	0	%100
17							
18							
19			7				
M118							
M119							
22							
M120			X				
24 M120 Z -1.506 -1.506 0 %100 26 M121 Z -1.403 -1.403 0 %100 27 OVPA X .977 .997 0 %100 28 OVPA Z -1.692 -1.692 0 %100 29 M127 X 1.073 1.073 0 %100 30 M127 Z -1.859 -1.859 0 %100 31 M128 X 1.073 1.073 0 %6100 31 M128 X 1.073 1.073 0 %6100 32 M128 Z -1.859 -1.859 0 %100 33 POS.4A X 1.056 1.056 0 %100 34 POS.4A X 1.056 1.056 0 %100 35 MP2A X 1.056 1.056 0 %100 36 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
25	23	M120				0	%100
26	24	M120	Z	-1.506	-1.506	0	%100
26			X	.81		0	%100
27			Z				
28							
29							
30							
M128							
32							
33							
A							
35						0	
36 MP2A Z -1.828 -1.828 0 %100 37 MP4A X 1.056 1.056 0 %100 38 MP4A Z -1.828 -1.828 0 %100 39 M30B X 0 0 0 %100 40 M30B Z 0 0 0 %100 41 M31B X 0 0 0 %100 42 M31B Z 0 0 0 %100 43 M34 X 1.106 1.106 0 %100 44 M34 Z -1.916 -1.916 0 %100 45 M35 X 1.106 1.106 0 %100 45 M35 X 1.1027 1.027 0 %100 47 MP5C X 1.027 1.027 0 %100 49 POS.5C X <td>34</td> <td>POS.4A</td> <td>Z</td> <td>-1.828</td> <td>-1.828</td> <td>0</td> <td>%100</td>	34	POS.4A	Z	-1.828	-1.828	0	%100
36 MP2A Z -1.828 -1.828 0 %100 37 MP4A X 1.056 1.056 0 %100 38 MP4A Z -1.828 -1.828 0 %100 39 M30B X 0 0 0 %100 40 M30B Z 0 0 0 %100 41 M31B X 0 0 0 %100 42 M31B Z 0 0 0 %100 43 M34 X 1.106 1.106 0 %100 44 M34 Z -1.916 -1.916 0 %100 45 M35 X 1.106 1.106 0 %100 45 M35 X 1.1027 1.027 0 %100 47 MP5C X 1.027 1.027 0 %100 49 POS.5C X <td>35</td> <td>MP2A</td> <td>X</td> <td>1.056</td> <td>1.056</td> <td>0</td> <td>%100</td>	35	MP2A	X	1.056	1.056	0	%100
37			Z				
38							
M30B							
40 M30B Z 0 0 %100 41 M31B X 0 0 0 %100 42 M31B Z 0 0 0 %100 43 M34 X 1.106 1.106 0 %100 44 M34 Z -1.916 0 %100 44 45 M35 X 1.106 1.106 0 %100 46 M35 Z -1.916 0 %100 47 MP5C X 1.027 1.027 0 %100 47 MP5C Z -1.778 -1.778 0 %100 49 POS.5C X 1.027 1.027 0 %100 50 POS.5C X 1.027 1.027 0 %100 51 M38 X .975 .975 0 %100 52 M38 Z -1.688 -1.							
41 M31B X 0 0 0 %100 42 M31B Z 0 0 0 %100 43 M34 X 1.106 1.106 0 %100 44 M34 Z -1.916 -1.916 0 %100 45 M35 X 1.106 1.106 0 %100 46 M35 Z -1.916 -1.916 0 %100 47 MP5C X 1.027 1.027 0 %100 48 MP5C X 1.027 1.027 0 %100 49 POS.5C X 1.027 1.027 0 %100 50 POS.5C X 1.027 1.027 0 %100 51 M38 X .975 .975 0 %100 52 M38 Z -1.688 -1.688 0 %100 54 MP3C							
42 M31B Z 0 0 %100 43 M34 X 1.106 1.106 0 %100 44 M34 Z -1.916 0 %100 45 M35 X 1.106 1.106 0 %100 46 M35 Z -1.916 -1.916 0 %100 47 MP5C X 1.027 1.027 0 %100 48 MP5C Z -1.778 -1.778 0 %100 49 POS.5C X 1.027 1.027 0 %100 50 POS.5C Z -1.778 -1.778 0 %100 51 M38 X .975 .975 0 %100 52 M38 Z -1.688 -1.688 0 %100 53 MP3C X 1.027 1.027 0 %100 54 MP3C X 1.0					-		
43 M34 X 1.106 1.106 0 %100 44 M34 Z -1.916 -1.916 0 %100 45 M35 X 1.106 1.106 0 %100 46 M35 Z -1.916 -1.916 0 %100 47 MP5C X 1.027 1.027 0 %100 48 MP5C Z -1.778 -1.778 0 %100 49 POS.5C X 1.027 1.027 0 %100 50 POS.5C Z -1.778 -1.778 0 %100 51 M38 X .975 .975 0 %100 52 M38 Z -1.688 -1.688 0 %100 53 MP3C X 1.027 1.027 0 %100 54 MP3C Z -1.778 -1.778 0 %100 55							
44 M34 Z -1.916 -1.916 0 %100 45 M35 X 1.106 1.106 0 %100 46 M35 Z -1.916 -1.916 0 %100 47 MP5C X 1.027 1.027 0 %100 48 MP5C Z -1.778 -1.778 0 %100 49 POS.5C X 1.027 1.027 0 %100 50 POS.5C Z -1.778 -1.778 0 %100 51 M38 X .975 .975 0 %100 52 M38 Z -1.688 -1.688 0 %100 53 MP3C X 1.027 1.027 0 %100 54 MP3C Z -1.778 -1.778 0 %100 55 MP1C X 1.027 0 %100 56 MP1C					-		
45 M35 X 1.106 1.106 0 %100 46 M35 Z -1.916 -1.916 0 %100 47 MP5C X 1.027 1.027 0 %100 48 MP5C Z -1.778 -1.778 0 %100 49 POS.5C X 1.027 1.027 0 %100 50 POS.5C Z -1.778 -1.778 0 %100 51 M38 X .975 .975 0 %100 52 M38 Z -1.688 -1.688 0 %100 53 MP3C X 1.027 1.027 0 %100 54 MP3C Z -1.778 -1.778 0 %100 56 MP1C X 1.027 1.027 0 %100 57 M41 X 81 .81 0 %100 59 <			X				
46 M35 Z -1.916 -1.916 0 %100 47 MP5C X 1.027 1.027 0 %100 48 MP5C Z -1.778 -1.778 0 %100 49 POS.5C X 1.027 1.027 0 %100 50 POS.5C Z -1.778 -1.778 0 %100 51 M38 X .975 .975 0 %100 52 M38 Z -1.688 -1.688 0 %100 53 MP3C X 1.027 0 %100 54 MP3C Z -1.778 -1.778 0 %100 54 MP3C Z -1.778 -1.778 0 %100 55 MP1C X 1.027 1.027 0 %100 56 MP1C Z -1.778 -1.778 0 %100 58 M41							
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48 MP5C Z -1.778 -1.778 0 %100 49 POS.5C X 1.027 1.027 0 %100 50 POS.5C Z -1.778 -1.778 0 %100 51 M38 X .975 .975 0 %100 52 M38 Z -1.688 -1.688 0 %100 53 MP3C X 1.027 1.027 0 %100 54 MP3C Z -1.778 -1.778 0 %100 54 MP1C X 1.027 1.027 0 %100 56 MP1C X 1.027 1.027 0 %100 56 MP1C X 1.027 1.027 0 %100 57 M41 X .81 .81 0 %100 58 M41 Z -1.403 -1.403 0 %100 59	47	MP5C	X	1.027	1.027	0	%100
49 POS.5C X 1.027 1.027 0 %100 50 POS.5C Z -1.778 -1.778 0 %100 51 M38 X .975 .975 0 %100 52 M38 Z -1.688 -1.688 0 %100 53 MP3C X 1.027 0 %100 54 MP3C Z -1.778 -1.778 0 %100 54 MP3C X 1.027 0 %100 %100 54 MP3C X 1.027 0 %100 %100 55 MP1C X 1.027 1.027 0 %100 56 MP1C Z -1.778 -1.778 0 %100 57 M41 X .81 .81 .81 0 %100 59 M42 X .87 .87 0 %100 60 M42 </td <td>48</td> <td>MP5C</td> <td>Z</td> <td></td> <td></td> <td>0</td> <td>%100</td>	48	MP5C	Z			0	%100
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56 MP1C Z -1.778 -1.778 0 %100 57 M41 X .81 .81 0 %100 58 M41 Z -1.403 -1.403 0 %100 59 M42 X .87 .87 0 %100 60 M42 Z -1.506 -1.506 0 %100 61 M43 X .000243 .000243 0 %100 62 M43 Z 000421 000421 0 %100 63 M44 X .81 .81 0 %100 64 M44 Z -1.403 -1.403 0 %100 65 M45 X .87 .87 0 %100 66 M45 Z -1.506 -1.506 0 %100 67 M46 X .000243 .000243 0 %100 69 OV							
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71 M52 X 1.073 1.073 0 %100			X				
		OVPC					
72 M52 Z -1.859 -1.859 0 %100		M52				0	%100
	72	M52	Z	-1.859	-1.859	0	%100



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

	Dei Distributed Lot			3// (,	
	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
73	M53	X	1.073	1.073	0	%100
74	M53	Z	-1.859	-1.859	0	%100
75	POS.4C	X	1.056	1.056	0	%100
76	POS.4C	Z	-1.828	-1.828	0	%100 %100
77	MP2C	X	1.056	1.056	0	%100 %100
78	MP2C	Z	-1.828	-1.828	0	%100 %100
79	MP4C	X	1.056	1.056	0	%100
80	MP4C	Z	-1.828	-1.828	0	%100
81	M63	X	1.465	1.465	0	%100
82	M63	Z	-2.538	-2.538	0	%100
83	M64	X	1.465	1.465	0	%100
84	M64	Z	-2.538	-2.538	0	%100
85	M67	X	0	0	0	%100
86	M67	Z	0	0	0	%100
87	M68	X	0	0	0	%100
88	M68	Z	0	0	0	%100
89	MP5B	X	1.027	1.027	0	%100
90	MP5B	Z	-1.778	-1.778	0	%100
91	POS.5B	X	1.027	1.027	0	%100 %100
92	POS.5B	Z	-1.778	-1.778	0	%100 %100
93	M71	X	.975	.975	0	%100 %100
94	M71	Z	-1.688	-1.688	0	%100 %100
95	MP3B	X			0	%100 %100
			1.027	1.027		
96	MP3B	Z	-1.778	-1.778	0	%100
97	MP1B	X	1.027	1.027	0	%100
98	MP1B	Z	-1.778	-1.778	0	%100
99	M74	X	.839	.839	0	%100
100	M74	Z	-1.452	-1.452	0	%100
101	M75	X	0	0	0	%100
102	M75	Z	0	0	0	%100
103	M76	X	.839	.839	0	%100
104	M76	Z	-1.452	-1.452	0	%100
105	M77	X	.839	.839	0	%100
106	M77	Z	-1.452	-1.452	0	%100
107	M78	X	0	0	0	%100
108	M78	Z	0	0	0	%100
109	M79	X	.839	.839	0	%100
110	M79	Z	-1.452	-1.452	0	%100
111	OVPB	X	.977	.977	0	%100 %100
112	OVPB	Z	-1.692	-1.692	0	%100 %100
113	M85	X	1.073	1.073	0	%100 %100
114	M85	Z	-1.859	-1.859	0	%100 %100
115	M86	X	1.073	1.073	0	%100 %100
		Z				
116	M86		-1.859	-1.859	0	%100 %400
117	POS.4B	X	1.056	1.056	0	%100 %400
118	POS.4B	Z	-1.828	-1.828	0	%100
119	MP2B	X	1.056	1.056	0	%100
120	MP2B	Z	-1.828	-1.828	0	%100
121	MP4B	X	1.056	1.056	0	%100
122	MP4B	Z	-1.828	-1.828	0	%100
123	M96	X	1.465	1.465	0	%100
124	M96	Z	-2.538	-2.538	0	%100
125	M97	X	1.465	1.465	0	%100
126	M97	Z	-2.538	-2.538	0	%100
127	M113A	X	.819	.819	0	%100
128	M113A	Z	-1.419	-1.419	0	%100
129	M114	X	.383	.383	0	%100 %100
130	M114	Z	663	663	0	%100 %100
131	M115	X	.383	.383	0	%100 %100
LIST	UTTO	^	.303	.303	U	/0 100



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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
132	M115	Z	663	663	0	%100
133	M124A	X	.383	.383	0	%100
134	M124A	Z	663	663	0	%100
135	M125A	X	.383	.383	0	%100
136	M125A	Z	663	663	0	%100
137	M113B	X	.846	.846	0	%100
138	M113B	Z	-1.465	-1.465	0	%100
139	M114A	X	.035	.035	0	%100
140	M114A	Z	061	061	0	%100
141	M115A	X	.535	.535	0	%100
142	M115A	Z	927	927	0	%100
143	M116B	X	.411	.411	0	%100
144	M116B	Z	712	712	0	%100
145	M117B	X	.411	.411	0	%100
146	M117B	Z	712	712	0	%100
147	M118B	X	.103	.103	0	%100
148	M118B	Z	178	178	0	%100
149	M119B	X	.103	.103	0	%100
150	M119B	Z	178	178	0	%100
151	M120B	Χ	.103	.103	0	%100
152	M120B	Z	178	178	0	%100
153	M121B	X	.103	.103	0	%100
154	M121B	Z	178	178	0	%100
155	M126A	X	.792	.792	0	%100
156	M126A	Z	-1.371	-1.371	0	%100
157	M130	X	.792	.792	0	%100
158	M130	Z	-1.371	-1.371	0	%100
159	M135	X	0	0	0	%100
160	M135	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
1	M109	X	.639	.639	0	%100
2	M109	Z	369	369	0	%100
3	M110	X	.639	.639	0	%100
4	M110	Z	369	369	0	%100
5	MP5A	X	1.778	1.778	0	%100
6	MP5A	Z	-1.027	-1.027	0	%100
7	POS.5A	X	1.778	1.778	0	%100
8	POS.5A	Z	-1.027	-1.027	0	%100
9	M113	X	1.688	1.688	0	%100
10	M113	Z	975	975	0	%100
11	MP3A	Χ	1.778	1.778	0	%100
12	MP3A	Z	-1.027	-1.027	0	%100
13	MP1A	Χ	1.778	1.778	0	%100
14	MP1A	Z	-1.027	-1.027	0	%100
15	M116	X	.501	.501	0	%100
16	M116	Z	289	289	0	%100
17	M117	X	.502	.502	0	%100
18	M117	Z	29	29	0	%100
19	M118	X	1.904	1.904	0	%100
20	M118	Z	-1.099	-1.099	0	%100
21	M119	X	.501	.501	0	%100
22	M119	Z	289	289	0	%100
23	M120	Х	.502	.502	0	%100
24	M120	Z	29	29	0	%100
25	M121	X	1.904	1.904	0	%100
26	M121	Z	-1.099	-1.099	0	%100



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

	ber Distributed Lot			(= = = 3// (= = = =	,	
	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
27	OVPA	X	1.692	1.692	0	%100
28	OVPA	Z	977	977	0	%100
29	M127	X	1.859	1.859	0	%100
30	M127	Z	-1.073	-1.073	0	%100
31	M128	X	1.859	1.859	0	%100 %100
32	M128	Z	-1.073	-1.073	0	%100 %100
33	POS.4A	X	1.828	1.828	0	%100 %100
		7				
34	POS.4A	Z	-1.056	-1.056	0	%100
35	MP2A	X	1.828	1.828	0	%100
36	MP2A	Z	-1.056	-1.056	0	%100
37	MP4A	X	1.828	1.828	0	%100
38	MP4A	Z	-1.056	-1.056	0	%100
39	M30B	X	.846	.846	0	%100
40	M30B	Z	488	488	0	%100
41	M31B	X	.846	.846	0	%100
42	M31B	Z	488	488	0	%100
43	M34	X	2.555	2.555	0	%100
44	M34	Z	-1.475	-1.475	0	%100
45	M35	X	2.555	2.555	0	%100
46	M35	Z	-1.475	-1.475	0	%100 %100
47	MP5C	X	1.778	1.778	0	%100 %100
48	MP5C MP5C	Z	-1.027	-1.027	0	%100 %100
49	POS.5C	X	1.778	1.778	0	%100
50	POS.5C	Z	-1.027	-1.027	0	%100
51	M38	X	1.688	1.688	0	%100
52	M38	Z	975	975	0	%100
53	MP3C	X	1.778	1.778	0	%100
54	MP3C	Z	-1.027	-1.027	0	%100
55	MP1C	X	1.778	1.778	0	%100
56	MP1C	Z	-1.027	-1.027	0	%100
57	M41	X	.452	.452	0	%100
58	M41	Z	261	261	0	%100
59	M42	X	2.008	2.008	0	%100
60	M42	Z	-1.159	-1.159	0	%100
61	M43	X	.452	.452	0	%100
62	M43	Z	261	261	0	%100
63	M44	X	.452	.452	0	%100
64	M44	Z	261	261	0	%100
65	M45	X	2.008	2.008	0	%100 %100
66	M45	Z	-1.159	-1.159	0	%100 %100
67	M46	X	.452	.452	0	%100 %100
68	M46	Z	261	261	0	%100 %100
69	OVPC	X	1.692	1.692	0	%100 %100
		Z				
70	OVPC		977	977	0	%100 %400
71	M52	X	1.859	1.859	0	%100 %400
72	M52	Z	-1.073	-1.073	0	%100
73	M53	X	1.859	1.859	0	%100
74	M53	Z	-1.073	-1.073	0	%100
75	POS.4C	X	1.828	1.828	0	%100
76	POS.4C	Z	-1.056	-1.056	0	%100
77	MP2C	X	1.828	1.828	0	%100
78	MP2C	Z	-1.056	-1.056	0	%100
79	MP4C	X	1.828	1.828	0	%100
80	MP4C	Z	-1.056	-1.056	0	%100
81	M63	X	.846	.846	0	%100
82	M63	Z	488	488	0	%100 %100
83	M64	X	.846	.846	0	%100 %100
84	M64	Z	488	488	0	%100 %100
85	M67		.639	.639	0	%100 %100
60	IVIO/	X	.০১৪	.০১৪	U	70 IUU



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

			. Otractare Wi			
00	Member Label	Direction		End Magnitude[lb/ft,		End Location[ft,%]
86	M67	Z	369	369	0	%100
87	M68	X	.639	.639	0	%100
88	M68	Z	369	369	0	%100
89	MP5B	X	1.778	1.778	0	%100
90	MP5B	Z	-1.027	-1.027	0	%100
91	POS.5B	X	1.778	1.778	0	%100
92	POS.5B	Z	-1.027	-1.027	0	%100
93	M71	X	1.688	1.688	0	%100
94	M71	Z	975	975	0	%100
95	MP3B	X	1.778	1.778	0	%100
96	MP3B	Z	-1.027	-1.027	0	%100
97	MP1B	X	1.778	1.778	0	%100
98	MP1B	Z	-1.027	-1.027	0	%100
99	M74	X	1.904	1.904	0	%100
100	M74	Z	-1.099	-1.099	0	%100
101	M75	X	.502	.502	0	%100
102	M75	Z	29	29	0	%100
103	M76	X	.501	.501	0	%100
104	M76	Z	289	289	0	%100
105	M77	X	1.904	1.904	0	%100
106	M77	Z	-1.099	-1.099	0	%100
107	M78	X	.502	.502	0	%100
108	M78	Z	29	29	0	%100
109	M79	X	.501	.501	0	%100
110	M79	Z	289	289	0	%100
111	OVPB	X	1.692	1.692	0	%100
112	OVPB	Z	977	977	0	%100
113	M85	X	1.859	1.859	0	%100
114	M85	Z	-1.073	-1.073	0	%100
115	M86	X	1.859	1.859	0	%100
116	M86	Z	-1.073	-1.073	0	%100
117	POS.4B	X	1.828	1.828	0	%100
118	POS.4B	Z	-1.056	-1.056	0	%100
119	MP2B	X	1.828	1.828	0	%100
120	MP2B	Z	-1.056	-1.056	0	%100
121	MP4B	X	1.828	1.828	0	%100
122	MP4B	Z	-1.056	-1.056	0	%100
123	M96	X	3.384	3.384	0	%100
124	M96	Z	-1.954	-1.954	0	%100
125	M97	X	3.384	3.384	0	%100
126	M97	Z	-1.954	-1.954	0	%100
127	M113A	X	1.419	1.419	0	%100
128	M113A	Z	819	819	0	%100
129	M114	X	.497	.497	0	%100
130	M114	Z	287	287	0	%100
131	M115	X	.497	.497	0	%100
132	M115	Z	287	287	0	%100
133	M124A	X	.497	.497	0	%100
134	M124A	Z	287	287	0	%100
135	M125A	X	.497	.497	0	%100
136	M125A	Z	287	287	0	%100
137	M113B	X	1.574	1.574	0	%100
138	M113B	Z	909	909	0	%100
139	M114A	X	.709	.709	0	%100
140	M114A	Z	409	409	0	%100
141	M115A	X	.171	.171	0	%100
142	M115A	Z	098	098	0	%100
143	M116B	X	.534	.534	0	%100
144	M116B	Z	308	308	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
145	M117B	X	.534	.534	0	%100
146	M117B	Z	308	308	0	%100
147	M118B	X	0	0	0	%100
148	M118B	Z	0	0	0	%100
149	M119B	X	0	0	0	%100
150	M119B	Z	0	0	0	%100
151	M120B	X	.534	.534	0	%100
152	M120B	Z	308	308	0	%100
153	M121B	X	.534	.534	0	%100
154	M121B	Z	308	308	0	%100
155	M126A	X	.457	.457	0	%100
156	M126A	Z	264	264	0	%100
157	M130	X	1.828	1.828	0	%100
158	M130	Z	-1.056	-1.056	0	%100
159	M135	X	.457	.457	0	%100
160	M135	Z	264	264	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
1	M109	X	0	0	0	%100
2	M109	Z	0	0	0	%100
3	M110	X	0	0	0	%100
4	M110	Z	0	0	0	%100
5	MP5A	X	2.053	2.053	0	%100
6	MP5A	Z	0	0	0	%100
7	POS.5A	X	2.053	2.053	0	%100
8	POS.5A	Z	0	0	0	%100
9	M113	X	1.949	1.949	0	%100
10	M113	Z	0	0	0	%100
11	MP3A	X	2.053	2.053	0	%100
12	MP3A	Z	0	0	0	%100
13	MP1A	X	2.053	2.053	0	%100
14	MP1A	Z	0	0	0	%100
15	M116	X	1.677	1.677	0	%100
16	M116	Z	0	0	0	%100
17	M117	Х	0	0	0	%100
18	M117	Z	0	0	0	%100
19	M118	X	1.677	1.677	0	%100
20	M118	Z	0	0	0	%100
21	M119	X	1.677	1.677	0	%100
22	M119	Z	0	0	0	%100
23	M120	X	0	0	0	%100
24	M120	Z	0	0	0	%100
25	M121	X	1.677	1.677	0	%100
26	M121	Z	0	0	0	%100
27	OVPA	X	1.953	1.953	0	%100
28	OVPA	Z	0	0	0	%100
29	M127	X	2.146	2.146	0	%100
30	M127	Z	0	0	0	%100
31	M128	X	2.146	2.146	0	%100
32	M128	Z	0	0	0	%100
33	POS.4A	X	2.111	2.111	0	%100
34	POS.4A	Z	0	0	0	%100
35	MP2A	X	2.111	2.111	0	%100
36	MP2A	Z	0	0	0	%100
37	MP4A	X	2.111	2.111	0	%100
38	MP4A	Z	0	0	0	%100
39	M30B	X	2.931	2.931	0	%100



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

		•	. Ott detaile 111			
	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
40	M30B	Ζ	0	0	0	%100
41	M31B	X	2.931	2.931	0	%100
42	M31B	Z	0	0	0	%100
43	M34	X	2.213	2.213	0	%100
44	M34	Z	0	0	0	%100 %100
				-		
45	M35	X	2.213	2.213	0	%100
46	M35	Z	0	0	0	%100
47	MP5C	X	2.053	2.053	0	%100
48	MP5C	Z	0	0	0	%100
49	POS.5C	X	2.053	2.053	0	%100
50	POS.5C	Z	0	0	0	%100
51	M38	X	1.949	1.949	0	%100
52	M38	Z	0	0	0	%100
53	MP3C	X	2.053	2.053	0	%100
54	MP3C	Z	0	0	0	%100 %100
55	MP1C	X	2.053	2.053	0	%100 %100
		Z				
56	MP1C		0	0	0	%100
57	M41	X	.000486	.000486	0	%100
58	M41	Z	0	0	0	%100
59	M42	X	1.739	1.739	0	%100
60	M42	Z	0	0	0	%100
61	M43	X	1.621	1.621	0	%100
62	M43	Z	0	0	0	%100
63	M44	X	.000486	.000486	0	%100
64	M44	Z	0	0	0	%100
65	M45	X	1.739	1.739	0	%100 %100
66	M45	Z	0	0	0	%100 %100
67	M46	X	1.621	1.621	0	%100 %100
					-	
68	M46	Z	0	0	0	%100
69	OVPC	X	1.953	1.953	0	%100
70	OVPC	Z	0	0	0	%100
71	M52	X	2.146	2.146	0	%100
72	M52	Z	0	0	0	%100
73	M53	X	2.146	2.146	0	%100
74	M53	Z	0	0	0	%100
75	POS.4C	X	2.111	2.111	0	%100
76	POS.4C	Z	0	0	0	%100
77	MP2C	X	2.111	2.111	0	%100
78	MP2C	Z	0	0	0	%100 %100
79	MP4C	X	2.111	2.111	0	%100 %100
80	MP4C	Z	0	0	0	%100 %100
81	M63		0	0	0	
		Z Z	0	0	0	%100 %100
82	M63					%100 %400
83	M64	X	0	0	0	%100
84	M64	Z	0	0	0	%100
85	M67	X	2.213	2.213	0	%100
86	M67	Z	0	0	0	%100
87	M68	Х	2.213	2.213	0	%100
88	M68	Z	0	0	0	%100
89	MP5B	X	2.053	2.053	0	%100
90	MP5B	Z	0	0	0	%100
91	POS.5B	X	2.053	2.053	0	%100
92	POS.5B	Z	0	0	0	%100 %100
93	M71	X	1.949	1.949	0	%100 %100
94	M71	Z	0	0	0	%100
95	MP3B	X	2.053	2.053	0	%100
96	MP3B	Z	0	0	0	%100
97	MP1B	X	2.053	2.053	0	%100
98	MP1B	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude(lh/ft	Start Location[ft,%]	End Location[ft,%]
99	M74	X	1.621	1.621	0	%100
100	M74	Z	0	0	0	%100
101	M75	X	1.739	1.739	0	%100
102	M75	Z	0	0	0	%100
103	M76	X	.000486	.000486	0	%100
104	M76	Z	0	0	0	%100 %100
105	M77	X	1.621	1.621	0	%100 %100
106	M77	Z	0	0	0	%100 %100
107	M78	X	1.739	1.739	0	%100 %100
108	M78	Z	0	0	0	%100 %100
109	M79	X	.000486	.000486	0	%100 %100
110	M79	Z	0	0	0	%100 %100
111	OVPB	X	1.953	1.953	0	%100
112	OVPB	Z	0	0	0	%100 %100
113	M85	X	2.146	2.146	0	%100 %100
114	M85	Z	0	0	0	%100 %100
115	M86	X	2.146	2.146	0	%100 %100
116	M86	Z	0	0	0	%100 %100
117	POS.4B	X	2.111	2.111	0	%100 %100
118	POS.4B	Z	0	0	0	%100 %100
119	MP2B	X	2.111	2.111	0	%100 %100
120	MP2B	Z	0	0	0	%100 %100
121	MP4B	X	2.111	2.111	0	%100 %100
122	MP4B	Z	0	0	0	%100
123	M96	X	2.931	2.931	0	%100
124	M96	Z	0	0	0	%100
125	M97	X	2.931	2.931	0	%100
126	M97	Z	0	0	0	%100
127	M113A	X	1.639	1.639	0	%100
128	M113A	Z	0	0	0	%100
129	M114	X	.191	.191	0	%100
130	M114	Z	0	0	0	%100
131	M115	X	.191	.191	0	%100
132	M115	Z	0	0	0	%100
133	M124A	X	.191	.191	0	%100
134	M124A	Z	0	0	0	%100
135	M125A	X	.191	.191	0	%100
136	M125A	Z	0	0	0	%100
137	M113B	X	1.07	1.07	0	%100
138	M113B	Z	0	0	0	%100
139	M114A	X	1.692	1.692	0	%100
140	M114A	Z	0	0	0	%100
141	M115A	X	.071	.071	0	%100
142	M115A	Z	0	0	0	%100
143	M116B	X	.206	.206	0	%100
144	M116B	Z	0	0	0	%100
145	M117B	X	.206	.206	0	%100
146	M117B	Z	0	0	0	%100
147	M118B	X	.206	.206	0	%100
148	M118B	Z	0	0	0	%100
149	M119B	X	.206	.206	0	%100
150	M119B	Z	0	0	0	%100
151	M120B	X	.823	.823	0	%100
152	M120B	Z	0	0	0	%100
153	M121B	X	.823	.823	0	%100
154	M121B	Z	0	0	0	%100
155	M126A	X	0	0	0	%100
156	M126A	Z	0	0	0	%100
157	M130	X	1.583	1.583	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
158	M130	Z	0	0	0	%100
159	M135	X	1.583	1.583	0	%100
160	M135	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,	Start Location[ft,%]	End Location[ft,%]
1	M109	X	.639	.639	0	%100
2	M109	Z	.369	.369	0	%100
3	M110	Χ	.639	.639	0	%100
4	M110	Z	.369	.369	0	%100
5	MP5A	Χ	1.778	1.778	0	%100
6	MP5A	Z	1.027	1.027	0	%100
7	POS.5A	X	1.778	1.778	0	%100
8	POS.5A	Z	1.027	1.027	0	%100
9	M113	X	1.688	1.688	0	%100
10	M113	Z	.975	.975	0	%100
11	MP3A	X	1.778	1.778	0	%100
12	MP3A	Z	1.027	1.027	0	%100
13	MP1A	X	1.778	1.778	0	%100
14	MP1A	Z	1.027	1.027	0	%100
15	M116	X	1.904	1.904	0	%100
16	M116	Z	1.099	1.099	0	%100
17	M117	X	.502	.502	0	%100 %100
18	M117	Z	.29	.29	0	%100 %100
19	M118	X	.501	.501	0	%100 %100
20	M118	Z	.289	.289	0	%100 %100
21	M119	X	1.904	1.904	0	%100 %100
22	M119	Z	1.099	1.099	0	%100 %100
23	M120	X	.502	.502	0	%100 %100
24	M120	Z	.29	.29	0	%100 %100
25	M121	X	.501	.501	0	%100 %100
26	M121	Z	.289	.289	0	%100 %100
27	OVPA	X	1.692	1.692	0	%100 %100
28	OVPA	Z	.977	.977	0	%100 %100
29	M127	X	1.859	1.859	0	%100 %100
30	M127	Z	1.073	1.073	0	%100 %100
31	M128	X	1.859	1.859	0	%100 %100
32	M128	Z	1.073	1.073	0	%100 %100
33	POS.4A	X	1.828	1.828	0	%100 %100
34	POS.4A	Z	1.056	1.056	0	%100 %100
35	MP2A	X	1.828	1.828	0	%100 %100
36	MP2A	Z	1.056	1.056	0	%100 %100
37	MP4A	X	1.828	1.828	0	%100 %100
38	MP4A MP4A	Z	1.056	1.056	0	%100 %100
39	M30B	X	3.384	3.384	0	%100 %100
40	M30B M30B	Z	1.954	1.954	0	%100 %100
41	M31B	X	3.384		0	%100 %100
	M31B M31B		1.954	3.384 1.954		%100 %100
42		Z			0	%100 %100
43	M34	X Z	.639	.639		
44	M34		.369	.369	0	%100 %100
45	M35	X	.639	.639	0	%100 %100
46	M35	Z	.369	.369	0	%100 %100
47	MP5C	X	1.778	1.778	0	%100
48	MP5C	Z	1.027	1.027	0	%100
49	POS.5C	X	1.778	1.778	0	%100
50	POS.5C	Z	1.027	1.027	0	%100
51	M38	X	1.688	1.688	0	%100
52	M38	Z	.975	.975	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft	.End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
53	MP3C	X	1.778	1.778	0	%100
54	MP3C	Z	1.027	1.027	0	%100
55	MP1C	X	1.778	1.778	0	%100
56	MP1C	Z	1.027	1.027	0	%100
57	M41	X	.501	.501	0	%100
58	M41	Z	.289	.289	0	%100
59	M42	X	.502	.502	0	%100
60	M42	Z	.29	.29	0	%100 %100
61	M43	X	1.904	1.904	0	%100 %100
62	M43	Z	1.099	1.099	0	%100 %100
63	M44	X	.501	.501	0	%100 %100
64	M44	Z	.289	.289	0	%100 %100
65	M45	X	.502	.502	0	%100 %100
66	M45	Z	.29	.29	0	%100 %100
67	M46	X	1.904	1.904	0	%100 %100
68	M46	Z	1.099	1.099	0	%100 %100
		X				
69	OVPC		1.692	1.692	0	%100 %100
70	OVPC	Z	.977	.977	0	%100 %100
71	M52	X	1.859	1.859	0	%100 %400
72	M52	Z	1.073	1.073	0	%100
73	M53	X	1.859	1.859	0	%100
74	M53	Z	1.073	1.073	0	%100
75	POS.4C	X	1.828	1.828	0	%100
76	POS.4C	Z	1.056	1.056	0	%100
77	MP2C	X	1.828	1.828	0	%100
78	MP2C	Z	1.056	1.056	0	%100
79	MP4C	X	1.828	1.828	0	%100
80	MP4C	Z	1.056	1.056	0	%100
81	M63	X	.846	.846	0	%100
82	M63	Z	.488	.488	0	%100
83	M64	X	.846	.846	0	%100
84	M64	Z	.488	.488	0	%100
85	M67	X	2.555	2.555	0	%100
86	M67	Z	1.475	1.475	0	%100
87	M68	X	2.555	2.555	0	%100
88	M68	Z	1.475	1.475	0	%100
89	MP5B	X	1.778	1.778	0	%100
90	MP5B	Z	1.027	1.027	0	%100
91	POS.5B	X	1.778	1.778	0	%100
92	POS.5B	Z	1.027	1.027	0	%100
93	M71	X	1.688	1.688	0	%100
94	M71	Z	.975	.975	0	%100
95	MP3B	X	1.778	1.778	0	%100
96	MP3B	Z	1.027	1.027	0	%100
97	MP1B	X	1.778	1.778	0	%100
98	MP1B	Z	1.027	1.027	0	%100
99	M74	X	.452	.452	0	%100
100	M74	Z	.261	.261	0	%100
101	M75	X	2.008	2.008	0	%100
102	M75	Z	1.159	1.159	0	%100
103	M76	Х	.452	.452	0	%100
104	M76	Z	.261	.261	0	%100
105	M77	X	.452	.452	0	%100
106	M77	Z	.261	.261	0	%100
107	M78	X	2.008	2.008	0	%100
108	M78	Z	1.159	1.159	0	%100 %100
109	M79	X	.452	.452	0	%100 %100
110	M79	Z	.261	.261	0	%100 %100
111	OVPB	X	1.692	1.692	0	%100 %100
						,



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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
112	OVPB	Z	.977	.977	0	%100
113	M85	X	1.859	1.859	0	%100
114	M85	Z	1.073	1.073	0	%100
115	M86	X	1.859	1.859	0	%100
116	M86	Z	1.073	1.073	0	%100
117	POS.4B	X	1.828	1.828	0	%100
118	POS.4B	Z	1.056	1.056	0	%100
119	MP2B	X	1.828	1.828	0	%100
120	MP2B	Z	1.056	1.056	0	%100
121	MP4B	X	1.828	1.828	0	%100
122	MP4B	Z	1.056	1.056	0	%100
123	M96	X	.846	.846	0	%100
124	M96	Z	.488	.488	0	%100
125	M97	X	.846	.846	0	%100
126	M97	Z	.488	.488	0	%100
127	M113A	X	1.419	1.419	0	%100
128	M113A	Z	.819	.819	0	%100
129	M114	X	0	0	0	%100
130	M114	Z	0	0	0	%100
131	M115	X	0	0	0	%100
132	M115	Z	0	0	0	%100
133	M124A	X	0	0	0	%100
134	M124A	Z	0	0	0	%100
135	M125A	X	0	0	0	%100
136	M125A	Z	0	0	0	%100
137	M113B	X	.171	.171	0	%100
138	M113B	Z	.098	.098	0	%100
139	M114A	X	1.574	1.574	0	%100
140	M114A	Z	.909	.909	0	%100
141	M115A	X	.709	.709	0	%100
142	M115A	Z	.409	.409	0	%100
143	M116B	X	0	0	0	%100
144	M116B	Z	0	0	0	%100
145	M117B	X	0	0	0	%100
146	M117B	Z	0	0	0	%100
147	M118B	X	.534	.534	0	%100
148	M118B	Z	.308	.308	0	%100
149	M119B	X	.534	.534	0	%100
150	M119B	Z	.308	.308	0	%100
151	M120B	X	.534	.534	0	%100
152	M120B	Z	.308	.308	0	%100
153	M121B	X	.534	.534	0	%100
154	M121B	Z	.308	.308	0	%100
155	M126A	X	.457	.457	0	%100
156	M126A	Z	.264	.264	0	%100
157	M130	X	.457	.457	0	%100
158	M130	Z	.264	.264	0	%100
159	M135		1.828	1.828	0	%100
160	M135	X Z	1.056	1.056	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
1	M109	X	1.106	1.106	0	%100
2	M109	Z	1.916	1.916	0	%100
3	M110	X	1.106	1.106	0	%100
4	M110	Z	1.916	1.916	0	%100
5	MP5A	X	1.027	1.027	0	%100
6	MP5A	Z	1.778	1.778	0	%100



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

1110111	ber Distributed Loa	100 1000	. Otractare III	1.00 Bog// (00.	itiiiacu,	
	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft	Start Location[ft,%]	End Location[ft,%]
7	POS.5A	X	1.027	1.027	0	%100
8	POS.5A	Z	1.778	1.778	0	%100 %100
_						
9	M113	X	.975	.975	0	%100
10	M113	Z	1.688	1.688	0	%100
11	MP3A	X	1.027	1.027	0	%100
12	MP3A	Z	1.778	1.778	0	%100
13	MP1A	X	1.027	1.027	0	%100
14	MP1A	Z	1.778	1.778	0	%100 %100
15	M116	X	.81	.81	0	%100
16	M116	Z	1.403	1.403	0	%100
17	M117	X	.87	.87	0	%100
18	M117	Z	1.506	1.506	0	%100
19	M118	X	.000243	.000243	0	%100
20	M118	Z	.000421	.000421	0	%100 %100
21	M119	X	.81	.81	0	%100
22	M119	Z	1.403	1.403	0	%100
23	M120	X	.87	.87	0	%100
24	M120	Z	1.506	1.506	0	%100
25	M121	X	.000243	.000243	0	%100
26	M121	Z	.000243		0	
				.000421		%100
27	OVPA	X	.977	.977	0	%100
28	OVPA	Z	1.692	1.692	0	%100
29	M127	X	1.073	1.073	0	%100
30	M127	Z	1.859	1.859	0	%100
31	M128	X	1.073	1.073	0	%100
32	M128	Z	1.859	1.859	0	%100 %100
33	POS.4A	X	1.056	1.056	0	%100
34	POS.4A	Z	1.828	1.828	0	%100
35	MP2A	X	1.056	1.056	0	%100
36	MP2A	Z	1.828	1.828	0	%100
37	MP4A	X	1.056	1.056	0	%100
38	MP4A	Z	1.828	1.828	0	%100
39	M30B	X	1.465	1.465	0	%100 %100
40	M30B	Z	2.538	2.538	0	%100
41	M31B	X	1.465	1.465	0	%100
42	M31B	Z	2.538	2.538	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	0	0	0	%100
47	MP5C	X	1.027	1.027	0	%100
48	MP5C	Z	1.778	1.778	0	%100
49	POS.5C	X	1.027	1.027	0	%100
50	POS.5C	Z	1.778	1.778	0	%100
51	M38	X	.975	.975	0	%100 %100
52	M38	Z	1.688	1.688	0	%100 %100
53	MP3C	X	1.027	1.027	0	%100
54	MP3C	Z	1.778	1.778	0	%100
55	MP1C	X	1.027	1.027	0	%100
56	MP1C	Z	1.778	1.778	0	%100
57	M41	X	.839	.839	0	%100
58	M41	Z	1.452	1.452	0	%100 %100
59	M42	X	0	0	0	%100
60	M42	Z	0	0	0	%100
61	M43	X	.839	.839	0	%100
62	M43	Z	1.452	1.452	0	%100
63	M44	X	.839	.839	0	%100
64	M44	Z	1.452	1.452	0	%100 %100
65	M45	X	0	0	0	%100 %100
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Member Distributed Loads (BLC 58 : Structure Wi (150 Deg)) (Continued)

			. Otractare Wi		•	
	Member Label	Direction		End Magnitude[lb/ft,		End Location[ft,%]
66	M45	Z	0	0	0	%100
67	M46	X	.839	.839	0	%100
68	M46	Z	1.452	1.452	0	%100
69	OVPC	X	.977	.977	0	%100
70	OVPC	Z	1.692	1.692	0	%100
71	M52	X	1.073	1.073	0	%100
72	M52	Z	1.859	1.859	0	%100
73	M53	X	1.073	1.073	0	%100
74	M53	Z	1.859	1.859	0	%100
75	POS.4C	X	1.056	1.056	0	%100
76	POS.4C	Z	1.828	1.828	0	%100
77	MP2C	X	1.056	1.056	0	%100
78	MP2C	Z	1.828	1.828	0	%100
79	MP4C	X	1.056	1.056	0	%100
80	MP4C	Z	1.828	1.828	0	%100
81	M63	X	1.465	1.465	0	%100
82	M63	Z	2.538	2.538	0	%100
83	M64	X	1.465	1.465	0	%100
84	M64	Z	2.538	2.538	0	%100
85	M67	X	1.106	1.106	0	%100
86	M67	Z	1.916	1.916	0	%100 %100
87	M68	X	1.106	1.106	0	%100
88	M68	Z	1.916	1.916	0	%100 %100
89	MP5B	X	1.027	1.027	0	%100 %100
90	MP5B	Z	1.778	1.778	0	%100 %100
91	POS.5B	X	1.027	1.027	0	%100 %100
92	POS.5B	Z	1.778	1.778	0	%100 %100
93	M71	X	.975	.975	0	%100 %100
94	M71	Z	1.688	1.688	0	%100 %100
95	MP3B	X	1.027	1.027	0	%100 %100
96	MP3B	Z	1.778	1.778	0	%100 %100
97	MP1B	X	1.027	1.027	0	%100 %100
98	MP1B	Z	1.778	1.778	0	%100 %100
99	M74	X	.000243	.000243	0	%100 %100
100	M74	Z	.000243	.000243	0	%100 %100
101	M75	X	.87	.87	0	%100 %100
102	M75	Z	1.506	1.506	0	%100 %100
102	M76	X	.81	.81	0	%100 %100
103	M76	Z	1.403	1.403	0	%100 %100
104	M77	X	.000243	.000243	0	%100 %100
		Z			0	
106	M77		.000421	.000421		%100 %100
107	M78	Z	.87	.87	0	%100 %100
108	M78	X	1.506	1.506	0	%100 %100
109	M79		.81	.81	0	%100 %100
110	M79	Z	1.403	1.403	0	%100 %100
111	OVPB	X	.977	.977	0	
112	OVPB M05	Z	1.692	1.692	0	%100 %100
113	M85	X	1.073	1.073	0	%100 %400
114	M85	Z	1.859	1.859	0	%100 %400
115	M86	X	1.073	1.073	0	%100 %400
116	M86	Z	1.859	1.859	0	%100
117	POS.4B	X	1.056	1.056	0	%100
118	POS.4B	Z	1.828	1.828	0	%100
119	MP2B	X	1.056	1.056	0	%100
120	MP2B	Z	1.828	1.828	0	%100
121	MP4B	X	1.056	1.056	0	%100
122	MP4B	Z	1.828	1.828	0	%100
123	M96	X	0	0	0	%100
124	M96	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
125	M97	X	0	0	0	%100
126	M97	Z	0	0	0	%100
127	M113A	X	.819	.819	0	%100
128	M113A	Z	1.419	1.419	0	%100
129	M114	X	.096	.096	0	%100
130	M114	Z	.166	.166	0	%100
131	M115	X	.096	.096	0	%100
132	M115	Z	.166	.166	0	%100
133	M124A	X	.096	.096	0	%100
134	M124A	Z	.166	.166	0	%100
135	M125A	X	.096	.096	0	%100
136	M125A	Z	.166	.166	0	%100
137	M113B	X	.035	.035	0	%100
138	M113B	Z	.061	.061	0	%100
139	M114A	X	.535	.535	0	%100
140	M114A	Z	.927	.927	0	%100
141	M115A	X	.846	.846	0	%100
142	M115A	Z	1.465	1.465	0	%100
143	M116B	X	.103	.103	0	%100
144	M116B	Z	.178	.178	0	%100
145	M117B	X	.103	.103	0	%100
146	M117B	Z	.178	.178	0	%100
147	M118B	X	.411	.411	0	%100
148	M118B	Z	.712	.712	0	%100
149	M119B	X	.411	.411	0	%100
150	M119B	Z	.712	.712	0	%100
151	M120B	X	.103	.103	0	%100
152	M120B	Z	.178	.178	0	%100
153	M121B	X	.103	.103	0	%100
154	M121B	Z	.178	.178	0	%100
155	M126A	X	.792	.792	0	%100
156	M126A	Z	1.371	1.371	0	%100
157	M130	X	0	0	0	%100
158	M130	Z	0	0	0	%100
159	M135	X	.792	.792	0	%100
160	M135	Z	1.371	1.371	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
1	M109	X	0	0	0	%100
2	M109	Z	2.95	2.95	0	%100
3	M110	X	0	0	0	%100
4	M110	Z	2.95	2.95	0	%100
5	MP5A	X	0	0	0	%100
6	MP5A	Z	2.053	2.053	0	%100
7	POS.5A	X	0	0	0	%100
8	POS.5A	Z	2.053	2.053	0	%100
9	M113	Х	0	0	0	%100
10	M113	Z	1.949	1.949	0	%100
11	MP3A	X	0	0	0	%100
12	MP3A	Z	2.053	2.053	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	2.053	2.053	0	%100
15	M116	X	0	0	0	%100
16	M116	Z	.522	.522	0	%100
17	M117	X	0	0	0	%100
18	M117	Z	2.319	2.319	0	%100
19	M118	Х	0	0	0	%100



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

	DCI DISTINUICU LO			3// (
	Member Label	Direction	Start Magnitude[lb/ft,			End Location[ft,%]
20	M118	Z	.522	.522	0	%100
21	M119	X	0	0	0	%100
22	M119	Z	.522	.522	0	%100
23	M120	X	0	0	0	%100
24	M120	Z	2.319	2.319	0	%100
25	M121	X	0	0	0	%100 %100
	M121	Z	.522	.522		%100 %100
26					0	
27	OVPA	X	0	0	0	%100
28	OVPA	Z	1.953	1.953	0	%100
29	M127	X	0	0	0	%100
30	M127	Z	2.146	2.146	0	%100
31	M128	X	0	0	0	%100
32	M128	Z	2.146	2.146	0	%100
33	POS.4A	X	0	0	0	%100
34	POS.4A	Z	2.111	2.111	0	%100
35	MP2A	X	0	0	0	%100 %100
36	MP2A	Z	2.111	2.111	0	%100 %100
37	MP4A	X	0	0		%100 %100
				-	0	
38	MP4A	Z	2.111	2.111	0	%100
39	M30B	X	0	0	0	%100
40	M30B	Z	.977	.977	0	%100
41	M31B	X	0	0	0	%100
42	M31B	Z	.977	.977	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	.738	.738	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	.738	.738	0	%100 %100
47	MP5C	X	0	0	0	%100 %100
48	MP5C	Z	2.053	2.053	0	%100 %100
49	POS.5C	X	0	0	0	%100
50	POS.5C	Z	2.053	2.053	0	%100
51	M38	X	0	0	0	%100
52	M38	Z	1.949	1.949	0	%100
53	MP3C	X	0	0	0	%100
54	MP3C	Z	2.053	2.053	0	%100
55	MP1C	X	0	0	0	%100
56	MP1C	Z	2.053	2.053	0	%100
57	M41	X	0	0	0	%100
58	M41	Z	2.198	2.198	0	%100
59	M42	X	0	0	0	%100 %100
60	M42	Z	.58	.58	0	%100 %100
61	M43	X	0	<u>0</u>	0	%100 %400
62	M43	Z	.578	.578	0	%100
63	M44	X	0	0	0	%100
64	M44	Z	2.198	2.198	0	%100
65	M45	X	0	0	0	%100
66	M45	Z	.58	.58	0	%100
67	M46	X	0	0	0	%100
68	M46	Z	.578	.578	0	%100
69	OVPC	X	0	0	0	%100
70	OVPC	Z	1.953	1.953	0	%100 %100
71	M52	X	0	0	0	%100 %100
72		Z		2.146	0	
	M52		2.146			%100 %400
73	M53	X	0	0	0	%100
74	M53	Z	2.146	2.146	0	%100
75	POS.4C	X	0	0	0	%100
76	POS.4C	Z	2.111	2.111	0	%100
77	MP2C	X	0	0	0	%100
78	MP2C	Z	2.111	2.111	0	%100



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

	Dei Distributed Lot	,		3//		
	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft	Start Location[ft,%]	End Location[ft,%]
79	MP4C	X	0	0	0	%100
80	MP4C	Z	2.111	2.111	0	%100
81	M63	X	0	0	0	%100
82	M63	Z	3.908	3.908	0	%100
83	M64	X	0	0	0	%100
84	M64	Z	3.908	3.908	0	%100
85	M67	X	0	0	0	%100
			.738	.738		
86	M67	Z			0	%100
87	M68	X	0	0	0	%100
88	M68	Z	.738	.738	0	%100
89	MP5B	X	0	0	0	%100
90	MP5B	Z	2.053	2.053	0	%100
91	POS.5B	X	0	0	0	%100
		Z				
92	POS.5B		2.053	2.053	0	%100
93	M71	X	0	0	0	%100
94	M71	Z	1.949	1.949	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	2.053	2.053	0	%100
97	MP1B	X	0	0	0	%100 %100
98	MP1B	Z	2.053	2.053	0	%100
99	M74	X	0	0	0	%100
100	M74	Z	.578	.578	0	%100
101	M75	X	0	0	0	%100
102	M75	Z	.58	.58	0	%100 %100
103	M76	X	0	0	0	%100
104	M76	Z	2.198	2.198	0	%100
105	M77	X	0	0	0	%100
106	M77	Z	.578	.578	0	%100
107	M78	X	0	0	0	%100
108	M78	Z	.58	.58	0	%100
109	M79	X	0	0	0	%100
110	M79	Z	2.198	2.198	0	%100
111	OVPB	X	0	0	0	%100
112	OVPB	Z	1.953	1.953	0	%100
113	M85	X	0	0	0	%100
114	M85	Z	2.146	2.146	0	%100 %100
115		X	0	0		
	M86				0	%100
116	M86	Z	2.146	2.146	0	%100
117	POS.4B	X	0	0	0	%100
118	POS.4B	Z	2.111	2.111	0	%100
119	MP2B	X	0	0	0	%100
120	MP2B	Z	2.111	2.111	0	%100
121	MP4B	X	0	0	0	%100 %100
122	MP4B	Z	2.111	2.111	0	%100
123	M96	X	0	0	0	%100
124	M96	Z	.977	.977	0	%100
125	M97	X	0	0	0	%100
126	M97	Z	.977	.977	0	%100
127	M113A	X	0	0	0	%100 %100
				-		
128	M113A	Z	1.639	1.639	0	%100
129	M114	X	0	0	0	%100
130	M114	Z	.574	.574	0	%100
131	M115	X	0	0	0	%100
132	M115	Z	.574	.574	0	%100
133	M124A		0	0	0	%100 %100
		X				
134	M124A	Z	.574	.574	0	%100
135	M125A	X	0	0	0	%100
136	M125A	Z	.574	.574	0	%100
137	M113B	X	0	0	0	%100

Jan 17, 2022 12:10 PM Checked By:____

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
138	M113B	Z	.818	.818	0	%100
139	M114A	X	0	0	0	%100
140	M114A	Z	.197	.197	0	%100
141	M115A	X	0	0	0	%100
142	M115A	Z	1.818	1.818	0	%100
143	M116B	X	0	0	0	%100
144	M116B	Z	.617	.617	0	%100
145	M117B	X	0	0	0	%100
146	M117B	Z	.617	.617	0	%100
147	M118B	X	0	0	0	%100
148	M118B	Z	.617	.617	0	%100
149	M119B	X	0	0	0	%100
150	M119B	Z	.617	.617	0	%100
151	M120B	X	0	0	0	%100
152	M120B	Z	0	0	0	%100
153	M121B	X	0	0	0	%100
154	M121B	Z	0	0	0	%100
155	M126A	X	0	0	0	%100
156	M126A	Z	2.111	2.111	0	%100
157	M130	Χ	0	0	0	%100
158	M130	Z	.528	.528	0	%100
159	M135	X	0	0	0	%100
160	M135	Z	.528	.528	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
1	M109	X	-1.106	-1.106	0	%100
2	M109	Z	1.916	1.916	0	%100
3	M110	X	-1.106	-1.106	0	%100
4	M110	Z	1.916	1.916	0	%100
5	MP5A	X	-1.027	-1.027	0	%100
6	MP5A	Z	1.778	1.778	0	%100
7	POS.5A	X	-1.027	-1.027	0	%100
8	POS.5A	Z	1.778	1.778	0	%100
9	M113	Х	975	975	0	%100
10	M113	Z	1.688	1.688	0	%100
11	MP3A	X	-1.027	-1.027	0	%100
12	MP3A	Z	1.778	1.778	0	%100
13	MP1A	X	-1.027	-1.027	0	%100
14	MP1A	Z	1.778	1.778	0	%100
15	M116	X	000243	000243	0	%100
16	M116	Z	.000421	.000421	0	%100
17	M117	Х	87	87	0	%100
18	M117	Z	1.506	1.506	0	%100
19	M118	X	81	81	0	%100
20	M118	Z	1.403	1.403	0	%100
21	M119	X	000243	000243	0	%100
22	M119	Z	.000421	.000421	0	%100
23	M120	X	87	87	0	%100
24	M120	Z	1.506	1.506	0	%100
25	M121	X	81	81	0	%100
26	M121	Z	1.403	1.403	0	%100
27	OVPA	X	977	977	0	%100
28	OVPA	Z	1.692	1.692	0	%100
29	M127	Х	-1.073	-1.073	0	%100
30	M127	Z	1.859	1.859	0	%100
31	M128	X	-1.073	-1.073	0	%100
32	M128	Z	1.859	1.859	0	%100



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

	bei bistributeu Lot			(======================================		
	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
33	POS.4A	X	-1.056	-1.056	0	%100
34	POS.4A	Z	1.828	1.828	0	%100
35	MP2A	X	-1.056	-1.056	0	%100
36	MP2A	Z	1.828	1.828	0	%100
37	MP4A	X	-1.056	-1.056	0	%100
38	MP4A	Z	1.828	1.828	0	%100 %100
39	M30B	X	0	0	0	%100 %100
40	M30B	Z	0	0	0	%100 %100
41	M31B	X	0	0	0	%100 %100
42		Z	0	0		
	M31B				0	%100
43	M34	X	-1.106	-1.106	0	%100 %400
44	M34	Z	1.916	1.916	0	%100
45	M35	X	-1.106	-1.106	0	%100
46	M35	Z	1.916	1.916	0	%100
47	MP5C	X	-1.027	-1.027	0	%100
48	MP5C	Z	1.778	1.778	0	%100
49	POS.5C	X	-1.027	-1.027	0	%100
50	POS.5C	Z	1.778	1.778	0	%100
51	M38	X	975	975	0	%100
52	M38	Z	1.688	1.688	0	%100
53	MP3C	X	-1.027	-1.027	0	%100
54	MP3C	Z	1.778	1.778	0	%100
55	MP1C	X	-1.027	-1.027	0	%100
56	MP1C	Z	1.778	1.778	0	%100
57	M41	X	81	81	0	%100
58	M41	Z	1.403	1.403	0	%100
59	M42	X	87	87	0	%100
60	M42	Z	1.506	1.506	0	%100 %100
61	M43	X	000243	000243	0	%100 %100
62	M43	Z	.000421	.000421	0	%100 %100
63	M44	X	81	81	0	%100 %100
64	M44	Z	1.403	1.403	0	%100 %100
65	M45	X	87	87	0	%100 %100
66	M45	Z	1.506	1.506	0	%100 %100
	M46	X				
67		Z	000243	000243	0	%100 %400
68	M46		.000421	.000421	0	%100 %400
69	OVPC	X	977	977	0	%100
70	OVPC	Z	1.692	1.692	0	%100
71	M52	X	-1.073	-1.073	0	%100
72	M52	Z	1.859	1.859	0	%100
73	M53	X	-1.073	-1.073	0	%100
74	M53	Z	1.859	1.859	0	%100
75	POS.4C	X	-1.056	-1.056	0	%100
76	POS.4C	Z	1.828	1.828	0	%100
77	MP2C	X	-1.056	-1.056	0	%100
78	MP2C	Z	1.828	1.828	0	%100
79	MP4C	X	-1.056	-1.056	0	%100
80	MP4C	Z	1.828	1.828	0	%100
81	M63	X	-1.465	-1.465	0	%100
82	M63	Z	2.538	2.538	0	%100
83	M64	Х	-1.465	-1.465	0	%100
84	M64	Z	2.538	2.538	0	%100
85	M67	X	0	0	0	%100 %100
86	M67	Z	0	0	0	%100 %100
87	M68	X	0	0	0	%100 %100
88	M68	Z	0	0	0	%100 %100
89	MP5B	X	-1.027	-1.027	0	%100 %100
90	MP5B	Z	1.778	1.778	0	%100 %100
			-1.027			
91	POS.5B	X	-1.UZ <i>I</i>	-1.027	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
92	POS.5B	Z	1.778	1.778	0	%100
93	M71	X	975	975	0	%100
94	M71	Z	1.688	1.688	0	%100
95	MP3B	X	-1.027	-1.027	0	%100
96	MP3B	Z	1.778	1.778	0	%100
97	MP1B	X	-1.027	-1.027	0	%100
98	MP1B	Z	1.778	1.778	0	%100
99	M74	X	839	839	0	%100
100	M74	Z	1.452	1.452	0	%100
101	M75	X	0	0	0	%100
102	M75	Z	0	0	0	%100
103	M76	X	839	839	0	%100
104	M76	Z	1.452	1.452	0	%100
105	M77	X	839	839	0	%100
106	M77	Z	1.452	1.452	0	%100
107	M78	X	0	0	0	%100
108	M78	Z	0	0	0	%100
109	M79	X	839	839	0	%100
110	M79	Z	1.452	1.452	0	%100
111	OVPB	X	977	977	0	%100
112	OVPB	Z	1.692	1.692	0	%100
113	M85	X	-1.073	-1.073	0	%100
114	M85	Z	1.859	1.859	0	%100
115	M86	X	-1.073	-1.073	0	%100
116	M86	Z	1.859	1.859	0	%100
117	POS.4B	X	-1.056	-1.056	0	%100
118	POS.4B	Z	1.828	1.828	0	%100
119	MP2B	X	-1.056	-1.056	0	%100
120	MP2B	Z	1.828	1.828	0	%100
121	MP4B	X	-1.056	-1.056	0	%100
122	MP4B	Z	1.828	1.828	0	%100
123	M96	X	-1.465	-1.465	0	%100 %400
124 125	M96	Z X	2.538 -1.465	2.538 -1.465	0	%100 %400
126	M97 M97	Z	2.538	2.538	0	%100 %100
127	M113A	X	819	819	0	%100 %100
128	M113A M113A	Z	1.419	1.419	0	%100 %100
129	M114	X	383	383	0	%100 %100
130	M114	Z	.663	.663	0	%100 %100
131	M115	X	383	383	0	%100 %100
132	M115	Z	.663	.663	0	%100 %100
133	M124A	X	383	383	0	%100 %100
134	M124A	Z	.663	.663	0	%100
135	M125A	X	383	383	0	%100
136	M125A	Z	.663	.663	0	%100
137	M113B	X	846	846	0	%100
138	M113B	Z	1.465	1.465	0	%100
139	M114A	X	035	035	0	%100
140	M114A	Z	.061	.061	0	%100
141	M115A	X	535	535	0	%100
142	M115A	Z	.927	.927	0	%100
143	M116B	X	411	411	0	%100
144	M116B	Z	.712	.712	0	%100
145	M117B	X	411	411	0	%100
146	M117B	Z	.712	.712	0	%100
147	M118B	X	103	103	0	%100
148	M118B	Z	.178	.178	0	%100 %400
149	M119B	X	103	103	0	%100
150	M119B	Z	.178	.178	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
151	M120B	X	103	103	0	%100
152	M120B	Z	.178	.178	0	%100
153	M121B	X	103	103	0	%100
154	M121B	Z	.178	.178	0	%100
155	M126A	X	792	792	0	%100
156	M126A	Z	1.371	1.371	0	%100
157	M130	X	792	792	0	%100
158	M130	Z	1.371	1.371	0	%100
159	M135	X	0	0	0	%100
160	M135	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft	.End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
1	M109	X	639	639	0	%100
2	M109	Z	.369	.369	0	%100
3	M110	X	639	639	0	%100
4	M110	Z	.369	.369	0	%100
5	MP5A	X	-1.778	-1.778	0	%100
6	MP5A	Z	1.027	1.027	0	%100
7	POS.5A	X	-1.778	-1.778	0	%100
8	POS.5A	Z	1.027	1.027	0	%100
9	M113	X	-1.688	-1.688	0	%100
10	M113	Z	.975	.975	0	%100
11	MP3A	X	-1.778	-1.778	0	%100
12	MP3A	Z	1.027	1.027	0	%100
13	MP1A	X	-1.778	-1.778	0	%100
14	MP1A	Z	1.027	1.027	0	%100
15	M116	X	501	501	0	%100
16	M116	Z	.289	.289	0	%100
17	M117	X	502	502	0	%100
18	M117	Z	.29	.29	0	%100
19	M118	X	-1.904	-1.904	0	%100
20	M118	Z	1.099	1.099	0	%100
21	M119	X	501	501	0	%100
22	M119	Z	.289	.289	0	%100
23	M120	X	502	502	0	%100
24	M120	Z	.29	.29	0	%100
25	M121	X	-1.904	-1.904	0	%100
26	M121	Z	1.099	1.099	0	%100
27	OVPA	X	-1.692	-1.692	0	%100
28	OVPA	Z	.977	.977	0	%100
29	M127	X	-1.859	-1.859	0	%100
30	M127	Z	1.073	1.073	0	%100
31	M128	X	-1.859	-1.859	0	%100
32	M128	Z	1.073	1.073	0	%100
33	POS.4A	X	-1.828	-1.828	0	%100
34	POS.4A	Z	1.056	1.056	0	%100
35	MP2A	X	-1.828	-1.828	0	%100
36	MP2A	Z	1.056	1.056	0	%100
37	MP4A	X	-1.828	-1.828	0	%100
38	MP4A	Z	1.056	1.056	0	%100
39	M30B	X	846	846	0	%100
40	M30B	Z	.488	.488	0	%100
41	M31B	X	846	846	0	%100
42	M31B	Z	.488	.488	0	%100
43	M34	X	-2.555	-2.555	0	%100
44	M34	Z	1.475	1.475	0	%100
45	M35	X	-2.555	-2.555	0	%100



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

46 47	Member Label M35 MP5C	Z	Start Magnitude[lb/ft,	End Magnitude[lb/ft, 1.475	Start Location[ft,%]	End Location[ft,%]
46	M35	Z				
						%100
	IVII JO	X	-1.778	-1.778	0	%100
48	MP5C	Z	1.027	1.027	0	%100 %100
49	POS.5C	X	-1.778	-1.778	0	%100 %100
		Z				
50	POS.5C		1.027	1.027	0	%100
51	M38	X	-1.688	-1.688	0	%100
52	M38	Z	.975	.975	0	%100
53	MP3C	X	-1.778	-1.778	0	%100
54	MP3C	Z	1.027	1.027	0	%100
55	MP1C	X	-1.778	-1.778	0	%100
56	MP1C	Z	1.027	1.027	0	%100
57	M41	X	452	452	0	%100
58	M41	Z	.261	.261	0	%100
59	M42	X	-2.008	-2.008	0	%100
60	M42	Z	1.159	1.159	0	%100
61	M43	X	452	452	0	%100
62	M43	Z	.261	.261	0	%100
63	M44	X	452	452	0	%100 %100
64	M44	Z	.261	.261	0	%100 %100
65	M45	X	-2.008	-2.008	0	%100
66	M45	Z	1.159	1.159	0	%100
67	M46	X	452	452	0	%100
68	M46	Z	.261	.261	0	%100
69	OVPC	X	-1.692	-1.692	0	%100
70	OVPC	Z	.977	.977	0	%100
71	M52	X	-1.859	-1.859	0	%100
72	M52	Z	1.073	1.073	0	%100
73	M53	X	-1.859	-1.859	0	%100
74	M53	Z	1.073	1.073	0	%100
75	POS.4C	X	-1.828	-1.828	0	%100
76	POS.4C	Z	1.056	1.056	0	%100
77	MP2C	X	-1.828	-1.828	0	%100
78	MP2C	Z	1.056	1.056	0	%100 %100
79	MP4C	X	-1.828	-1.828	0	%100 %100
80	MP4C	Z	1.056	1.056	0	%100 %100
81	M63	X	846	846	0	%100 %100
		Z		.488	0	
82	M63		.488			%100 %400
83	M64	X	846	846	0	%100
84	M64	Z	.488	.488	0	%100
85	M67	X	639	639	0	%100
86	M67	Z	.369	.369	0	%100
87	M68	X	639	639	0	%100
88	M68	Z	.369	.369	0	%100
89	MP5B	X	-1.778	-1.778	0	%100
90	MP5B	Z	1.027	1.027	0	%100
91	POS.5B	X	-1.778	-1.778	0	%100
92	POS.5B	Z	1.027	1.027	0	%100
93	M71	Х	-1.688	-1.688	0	%100
94	M71	Z	.975	.975	0	%100
95	MP3B	X	-1.778	-1.778	0	%100 %100
96	MP3B	Z	1.027	1.027	0	%100 %100
97	MP1B	X	-1.778	-1.778	0	%100 %100
98		Z	1.027	1.027	0	%100 %100
	MP1B					
99	M74	X	-1.904	-1.904	0	%100 %400
100	M74	Z	1.099	1.099	0	%100
101	M75	X	502	502	0	%100
102	M75	Z	.29	.29	0	%100
103	M76	X	501	501	0	%100
104	M76	Z	.289	.289	0	%100



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

				(240 Deg)) (Col		
	Member Label	Direction	Start Magnitude[lh/ft	.End Magnitude[lb/ft	Start Location[ft,%]	End Location[ft,%]
105	M77	X	-1.904	-1.904	0	%100
106	M77	Z	1.099	1.099	0	%100 %100
107	M78	X	502	502	0	%100 %100
108		Z	.29	.29		
	M78				0	%100 %400
109	M79	X	501	501	0	%100
110	M79	Z	.289	.289	0	%100
111	OVPB	X	-1.692	-1.692	0	%100
112	OVPB	Z	.977	.977	0	%100
113	M85	X	-1.859	-1.859	0	%100
114	M85	Z	1.073	1.073	0	%100
115	M86	X	-1.859	-1.859	0	%100
116	M86	Z	1.073	1.073	0	%100
117	POS.4B	X	-1.828	-1.828	0	%100
118	POS.4B	Z	1.056	1.056	0	%100
119	MP2B	X	-1.828	-1.828	0	%100 %100
120	MP2B	Z	1.056	1.056	0	%100 %100
121	MP4B	X	-1.828	-1.828		%100 %100
					0	
122	MP4B	Z	1.056	1.056	0	%100
123	M96	X	-3.384	-3.384	0	%100
124	M96	Z	1.954	1.954	0	%100
125	M97	X	-3.384	-3.384	0	%100
126	M97	Z	1.954	1.954	0	%100
127	M113A	X	-1.419	-1.419	0	%100
128	M113A	Z	.819	.819	0	%100
129	M114	X	497	497	0	%100
130	M114	Z	.287	.287	0	%100
131	M115	X	497	497	0	%100
132	M115	Z	.287	.287	0	%100
133	M124A	X	497	497	0	%100 %100
134	M124A	Z	.287	.287	0	%100 %100
135	M125A	X	497	497	0	%100 %100
136		Z	.287	.287	0	
	M125A					%100
137	M113B	X	-1.574	-1.574	0	%100
138	M113B	Z	.909	.909	0	%100
139	M114A	X	709	709	0	%100
140	M114A	Z	.409	.409	0	%100
141	M115A	X	171	171	0	%100
142	M115A	Z	.098	.098	0	%100
143	M116B	X	534	534	0	%100
144	M116B	Z	.308	.308	0	%100
145	M117B	X	534	534	0	%100
146	M117B	Z	.308	.308	0	%100
147	M118B	X	0	0	0	%100
148	M118B	Z	0	0	0	%100
149	M119B	X	0	0	0	%100 %100
150	M119B	Z	0	0	0	%100 %100
151	M120B	X	534	534	0	%100 %100
152	M120B M120B	Z	.308	.308	0	%100 %100
		X				
153	M121B	^	534	534	0	%100 %100
154	M121B	Z	.308	.308	0	%100
155	M126A	X	457	457	0	%100
156	M126A	Z	.264	.264	0	%100
157	M130	X	-1.828	-1.828	0	%100
158	M130	Z	1.056	1.056	0	%100
159	M135	X	457	457	0	%100
160	M135	Z	.264	.264	0	%100

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



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

Micini	ber Distributed Loa	IUS (DEO UZ	. Guactare W	(270 Deg)) (00)	itiliacu)	
	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitudelle/ft	Start Lagation[ft 9/]	End Location[ft,%]
1	M109	Х	0	0	0	%100
2	M109	Z	0	0	0	%100
3	M110	Х	0	0	0	%100
	M110	Z	0	0		%100 %100
4					0	
5	MP5A	X	-2.053	-2.053	0	%100
6	MP5A	Z	0	0	0	%100
7	POS.5A	X	-2.053	-2.053	0	%100
		Z	0	0		
8	POS.5A		•	•	0	%100
9	M113	X	-1.949	-1.949	0	%100
10	M113	Z	0	0	0	%100
11	MP3A	X	-2.053	-2.053	0	%100
12	MP3A	Z	0	0	0	%100
13	MP1A	X	-2.053	-2.053	0	%100
14	MP1A	Z	0	0	0	%100
15	M116	X	-1.677	-1.677	0	%100
16	M116	Z	0	0	0	%100
17	M117	X	0	0	0	%100
18	M117	Z	0	0	0	%100
19	M118	X	-1.677	-1.677	0	%100
20	M118	Z	0	0	0	%100
				-		
21	M119	X	-1.677	-1.677	0	%100
22	M119	Z	0	0	0	%100
23	M120	X	0	0	0	%100
24	M120	Z	0	0	0	%100
	M121	X	-1.677	-1.677		%100 %100
25					0	
26	M121	Z	0	0	0	%100
27	OVPA	X	-1.953	-1.953	0	%100
28	OVPA	Z	0	0	0	%100
29	M127	X	-2.146	-2.146	0	%100 %100
30	M127	Z	0	0	0	%100
31	M128	X	-2.146	-2.146	0	%100
32	M128	Z	0	0	0	%100
33	POS.4A	X	-2.111	-2.111	0	%100
		Z				
34	POS.4A		0	0	0	%100
35	MP2A	X	-2.111	-2.111	0	%100
36	MP2A	Z	0	0	0	%100
37	MP4A	X	-2.111	-2.111	0	%100
38	MP4A	Z	0	0	0	%100
39	M30B	X	-2.931	-2.931	0	%100
40	M30B	Z	0	0	0	%100
41	M31B	X	-2.931	-2.931	0	%100
42	M31B	Z	0	0	0	%100
43	M34		-2.213	-2.213	0	%100 %100
		X				
44	M34	Z	0	0	0	%100
45	M35	X	-2.213	-2.213	0	%100
46	M35	Z	0	0	0	%100
47	MP5C	X	-2.053	-2.053	0	%100
		Z				%100 %100
48	MP5C		0	0	0	
49	POS.5C	X	-2.053	-2.053	0	%100
50	POS.5C	Z	0	0	0	%100
51	M38	X	-1.949	-1.949	0	%100
52	M38	Z	0	0	0	%100 %100
53	MP3C	X	-2.053	-2.053	0	%100
54	MP3C	Z	0	0	0	%100
55	MP1C	X	-2.053	-2.053	0	%100
56	MP1C	Z	0	0	0	%100 %100
57	M41	X	000486	000486	0	%100
58	M41	Z	0	0	0	%100
59	M42	X	-1.739	-1.739	0	%100



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

Micin	ber Distributed Loa	ado (BEO OE	· · · · · · · · · · · · · · · · · · ·	(2: 0 20g)) (00.	itiiiaeu,	
	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
60	M42	Z	0	0	0	%100
61	M43	X	-1.621	-1.621	0	%100
62	M43	Z	0	0	0	%100
63	M44	X	000486	000486	0	%100
64	M44	Z	0	0	0	%100 %100
65	M45	X	-1.739	-1.739	0	%100 %100
66	M45	Z		0	0	
			0	-		%100 %400
67	M46	X	-1.621	-1.621	0	%100
68	M46	Z	0	0	0	%100
69	OVPC	X	-1.953	-1.953	0	%100
70	OVPC	Z	0	0	0	%100
71	M52	X	-2.146	-2.146	0	%100
72	M52	Z	0	0	0	%100
73	M53	X	-2.146	-2.146	0	%100
74	M53	Z	0	0	0	%100
75	POS.4C	X	-2.111	-2.111	0	%100
76	POS.4C	Z	0	0	0	%100
77	MP2C	X	-2.111	-2.111	0	%100
78	MP2C	Z	0	0	0	%100 %100
79	MP4C	X	-2.111	-2.111	0	%100 %100
80	MP4C MP4C	Z	-2.111	-2.111	0	%100 %100
			_	•		
81	M63	X	0	0	0	%100
82	M63	Z	0	0	0	%100
83	M64	X	0	0	0	%100
84	M64	Z	0	0	0	%100
85	M67	X	-2.213	-2.213	0	%100
86	M67	Z	0	0	0	%100
87	M68	X	-2.213	-2.213	0	%100
88	M68	Z	0	0	0	%100
89	MP5B	X	-2.053	-2.053	0	%100
90	MP5B	Z	0	0	0	%100
91	POS.5B	X	-2.053	-2.053	0	%100
92	POS.5B	Ž	0	0	0	%100
93	M71	X	-1.949	-1.949	0	%100 %100
94	M71	Z	0	0	0	%100 %100
95	MP3B	X	-2.053	-2.053	0	%100 %100
		Z			0	
96	MP3B		0	0		%100 %400
97	MP1B	X	-2.053	-2.053	0	%100
98	MP1B	Z	0	0	0	%100
99	M74	X	-1.621	-1.621	0	%100
100	M74	Z	0	0	0	%100
101	M75	X	-1.739	-1.739	0	%100
102	M75	Z	0	0	0	%100
103	M76	X	000486	000486	0	%100
104	M76	Z	0	0	0	%100
105	M77	X	-1.621	-1.621	0	%100
106	M77	Z	0	0	0	%100
107	M78	X	-1.739	-1.739	0	%100
108	M78	Z	0	0	0	%100 %100
109	M79	X	000486	000486	0	%100 %100
110	M79	Z	0	0	0	%100 %100
111	OVPB		-1.953	-1.953	0	%100 %100
		X				
112	OVPB	Z	0	0	0	%100
113	M85	X	-2.146	-2.146	0	%100
114	M85	Z	0	0	0	%100
115	M86	X	-2.146	-2.146	0	%100
116	M86	Z	0	0	0	%100
117	POS.4B	X	-2.111	-2.111	0	%100
118	POS.4B	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,	Start Location[ft,%]	End Location[ft,%]
119	MP2B	X	-2.111	-2.111	0	%100
120	MP2B	Z	0	0	0	%100
121	MP4B	X	-2.111	-2.111	0	%100
122	MP4B	Z	0	0	0	%100
123	M96	X	-2.931	-2.931	0	%100
124	M96	Z	0	0	0	%100
125	M97	X	-2.931	-2.931	0	%100
126	M97	Z	0	0	0	%100
127	M113A	X	-1.639	-1.639	0	%100
128	M113A	Z	0	0	0	%100
129	M114	X	191	191	0	%100
130	M114	Z	0	0	0	%100
131	M115	X	191	191	0	%100
132	M115	Z	0	0	0	%100
133	M124A	X	191	191	0	%100
134	M124A	Z	0	0	0	%100
135	M125A	X	191	191	0	%100
136	M125A	Z	0	0	0	%100
137	M113B	X	-1.07	-1.07	0	%100
138	M113B	Z	0	0	0	%100
139	M114A	X	-1.692	-1.692	0	%100
140	M114A	Z	0	0	0	%100
141	M115A	X	071	071	0	%100
142	M115A	Z	0	0	0	%100
143	M116B	X	206	206	0	%100
144	M116B	Z	0	0	0	%100
145	M117B	X	206	206	0	%100
146	M117B	Z	0	0	0	%100
147	M118B	X	206	206	0	%100
148	M118B	Z	0	0	0	%100
149	M119B	X	206	206	0	%100
150	M119B	Z	0	0	0	%100
151	M120B	X	823	823	0	%100
152	M120B	Z	0	0	0	%100
153	M121B	X	823	823	0	%100
154	M121B	Z	0	0	0	%100
155	M126A	X	0	0	0	%100
156	M126A	Z	0	0	0	%100
157	M130	X	-1.583	-1.583	0	%100
158	M130	Z	0	0	0	%100
159	M135	X	-1.583	-1.583	0	%100
160	M135	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	Start Location[ft,%]	End Location[ft.%]
1	M109	X	639	639	0	%100
2	M109	Z	369	369	0	%100
3	M110	X	639	639	0	%100
4	M110	Z	369	369	0	%100
5	MP5A	X	-1.778	-1.778	0	%100
6	MP5A	Z	-1.027	-1.027	0	%100
7	POS.5A	X	-1.778	-1.778	0	%100
8	POS.5A	Z	-1.027	-1.027	0	%100
9	M113	X	-1.688	-1.688	0	%100
10	M113	Z	975	975	0	%100
11	MP3A	X	-1.778	-1.778	0	%100
12	MP3A	Z	-1.027	-1.027	0	%100
13	MP1A	X	-1.778	-1.778	0	%100



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

			. Gaactare W	3//		
	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
14	MP1A	Z	-1.027	-1.027	0	%100
15	M116	X	-1.904	-1.904	0	%100
16	M116	Z	-1.099	-1.099	0	%100
17	M117	X	502	502	0	%100
18	M117	Z	29	29	0	%100 %100
	M118			501		
19		X	501		0	%100
20	M118	Z	289	289	0	%100
21	M119	X	-1.904	-1.904	0	%100
22	M119	Z	-1.099	-1.099	0	%100
23	M120	X	502	502	0	%100
24	M120	Z	29	29	0	%100
25	M121	X	501	501	0	%100
26	M121	Z	289	289	0	%100
27	OVPA	X	-1.692	-1.692	0	%100
28	OVPA	Z	977	977	0	%100 %100
29	M127	X	-1.859	-1.859	0	%100 %100
		Z				
30	M127		-1.073	-1.073	0	%100
31	M128	X	-1.859	-1.859	0	%100
32	M128	Z	-1.073	-1.073	0	%100
33	POS.4A	X	-1.828	-1.828	0	%100
34	POS.4A	Z	-1.056	-1.056	0	%100
35	MP2A	X	-1.828	-1.828	0	%100
36	MP2A	Z	-1.056	-1.056	0	%100
37	MP4A	X	-1.828	-1.828	0	%100
38	MP4A	Z	-1.056	-1.056	0	%100
39	M30B	X	-3.384	-3.384	0	%100 %100
40	M30B	Z	-1.954	-1.954	0	%100 %100
		X	-3.384	-3.384	0	
41	M31B				-	%100
42	M31B	Z	-1.954	-1.954	0	%100
43	M34	X	639	639	0	%100
44	M34	Z	369	369	0	%100
45	M35	X	639	639	0	%100
46	M35	Z	369	369	0	%100
47	MP5C	X	-1.778	-1.778	0	%100
48	MP5C	Z	-1.027	-1.027	0	%100
49	POS.5C	X	-1.778	-1.778	0	%100
50	POS.5C	Z	-1.027	-1.027	0	%100
51	M38	X	-1.688	-1.688	0	%100
52	M38	Z	975	975	0	%100 %100
53	MP3C	X	-1.778	-1.778	0	%100 %100
54	MP3C	Z	-1.027	-1.027	0	%100 %400
55	MP1C	X	-1.778	-1.778	0	%100
56	MP1C	Z	-1.027	-1.027	0	%100
57	M41	X	501	501	0	%100
58	M41	Z	289	289	0	%100
59	M42	X	502	502	0	%100
60	M42	Z	29	29	0	%100
61	M43	X	-1.904	-1.904	0	%100
62	M43	Z	-1.099	-1.099	0	%100
63	M44	X	501	501	0	%100
64	M44	Z	289	289	0	%100 %100
65	M45	X	502	502	0	%100 %100
		Z				
66	M45		29	29	0	%100
67	M46	X	-1.904	-1.904	0	%100
68	M46	Z	-1.099	-1.099	0	%100
69	OVPC	X	-1.692	-1.692	0	%100
70	OVPC	Z	977	977	0	%100
71	M52	X	-1.859	-1.859	0	%100
72	M52	Z	-1.073	-1.073	0	%100
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Member Distributed Loads (BLC 63 : Structure Wi (300 Deg)) (Continued)

			. Gaactare W	1 3//	,	
	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft	Start Location[ft,%]	End Location[ft,%]
73	M53	Χ	-1.859	-1.859	0	%100
74	M53	Z	-1.073	-1.073	0	%100
75	POS.4C	X	-1.828	-1.828	0	%100
76	POS.4C	Z	-1.056	-1.056	0	%100
77	MP2C	X	-1.828	-1.828	0	%100 %100
78	MP2C	Z	-1.056	-1.056	0	%100 %100
79	MP4C	X	-1.828	-1.828	0	%100 %100
80	MP4C	Z	-1.056	-1.056	0	%100 %100
81	M63	X	846	846	0	%100 %100
82	M63	Z	488	488	0	%100 %100
83	M64	X	846	846	0	%100 %100
84	M64	Z	488	488	0	%100 %100
85	M67	X			0	%100 %100
		Z	-2.555	-2.555		
86	M67		-1.475	-1.475	0	%100
87	M68	X	-2.555	-2.555	0	%100
88	M68	Z	-1.475	-1.475	0	%100
89	MP5B	X	-1.778	-1.778	0	%100
90	MP5B	Z	-1.027	-1.027	0	%100
91	POS.5B	X	-1.778	-1.778	0	%100
92	POS.5B	Z	-1.027	-1.027	0	%100
93	M71	X	-1.688	-1.688	0	%100
94	M71	Z	975	975	0	%100
95	MP3B	X	-1.778	-1.778	0	%100
96	MP3B	Z	-1.027	-1.027	0	%100
97	MP1B	X	-1.778	-1.778	0	%100
98	MP1B	Z	-1.027	-1.027	0	%100
99	M74	X	452	452	0	%100
100	M74	Z	261	261	0	%100
101	M75	X	-2.008	-2.008	0	%100
102	M75	Z	-1.159	-1.159	0	%100
103	M76	X	452	452	0	%100
104	M76	Z	261	261	0	%100
105	M77	X	452	452	0	%100
106	M77	Z	261	261	0	%100
107	M78	X	-2.008	-2.008	0	%100
108	M78	Z	-1.159	-1.159	0	%100
109	M79	X	452	452	0	%100
110	M79	Z	261	261	0	%100
111	OVPB	X	-1.692	-1.692	0	%100
112	OVPB	Z	977	977	0	%100
113	M85	X	-1.859	-1.859	0	%100
114	M85	Z	-1.073	-1.073	0	%100
115	M86	X	-1.859	-1.859	0	%100
116	M86	Z	-1.073	-1.073	0	%100
117	POS.4B	X	-1.828	-1.828	0	%100
118	POS.4B	Z	-1.056	-1.056	0	%100
119	MP2B	X	-1.828	-1.828	0	%100
120	MP2B	Z	-1.056	-1.056	0	%100
121	MP4B	X	-1.828	-1.828	0	%100
122	MP4B	Z	-1.056	-1.056	0	%100
123	M96	X	846	846	0	%100
124	M96	Z	488	488	0	%100
125	M97	X	846	846	0	%100 %100
126	M97	Z	488	488	0	%100 %100
127	M113A	X	-1.419	-1.419	0	%100 %100
128	M113A M113A	Z	819	819	0	%100 %100
129	M114	X	619	0	0	%100 %100
130	M114	Z	0	0	0	%100 %100
131	M115		0	0	0	%100 %100
131	CTTIVI	X	l U		U	70 IUU



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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
132	M115	Z	0	0	0	%100
133	M124A	X	0	0	0	%100
134	M124A	Z	0	0	0	%100
135	M125A	X	0	0	0	%100
136	M125A	Z	0	0	0	%100
137	M113B	X	171	171	0	%100
138	M113B	Z	098	098	0	%100
139	M114A	X	-1.574	-1.574	0	%100
140	M114A	Z	909	909	0	%100
141	M115A	X	709	709	0	%100
142	M115A	Z	409	409	0	%100
143	M116B	X	0	0	0	%100
144	M116B	Z	0	0	0	%100
145	M117B	X	0	0	0	%100
146	M117B	Z	0	0	0	%100
147	M118B	X	534	534	0	%100
148	M118B	Z	308	308	0	%100
149	M119B	X	534	534	0	%100
150	M119B	Z	308	308	0	%100
151	M120B	X	534	534	0	%100
152	M120B	Z	308	308	0	%100
153	M121B	X	534	534	0	%100
154	M121B	Z	308	308	0	%100
155	M126A	X	457	457	0	%100
156	M126A	Z	264	264	0	%100
157	M130	X	457	457	0	%100
158	M130	Z	264	264	0	%100
159	M135	X	-1.828	-1.828	0	%100
160	M135	Z	-1.056	-1.056	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
1	M109	X	-1.106	-1.106	0	%100
2	M109	Z	-1.916	-1.916	0	%100
3	M110	X	-1.106	-1.106	0	%100
4	M110	Z	-1.916	-1.916	0	%100
5	MP5A	X	-1.027	-1.027	0	%100
6	MP5A	Z	-1.778	-1.778	0	%100
7	POS.5A	X	-1.027	-1.027	0	%100
8	POS.5A	Z	-1.778	-1.778	0	%100
9	M113	X	975	975	0	%100
10	M113	Z	-1.688	-1.688	0	%100
11	MP3A	X	-1.027	-1.027	0	%100
12	MP3A	Z	-1.778	-1.778	0	%100
13	MP1A	Χ	-1.027	-1.027	0	%100
14	MP1A	Z	-1.778	-1.778	0	%100
15	M116	X	81	81	0	%100
16	M116	Z	-1.403	-1.403	0	%100
17	M117	X	87	87	0	%100
18	M117	Z	-1.506	-1.506	0	%100
19	M118	X	000243	000243	0	%100
20	M118	Z	000421	000421	0	%100
21	M119	X	81	81	0	%100
22	M119	Z	-1.403	-1.403	0	%100
23	M120	X	87	87	0	%100
24	M120	Z	-1.506	-1.506	0	%100
25	M121	X	000243	000243	0	%100
26	M121	Z	000421	000421	0	%100



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

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	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude(lb/ft	Start Location[ft,%]	End Location[ft,%]
27	OVPA	X	977	977	0	%100
28	OVPA	Z	-1.692	-1.692	0	%100 %100
29	M127	X	-1.073	-1.073	0	%100
30	M127	Z	-1.859	-1.859	0	%100
31	M128	X	-1.073	-1.073	0	%100
32	M128	Z	-1.859	-1.859	0	%100
33	POS.4A	X	-1.056	-1.056	0	%100
34	POS.4A	Z	-1.828	-1.828	0	%100 %100
35	MP2A	X	-1.056	-1.056	0	%100
36	MP2A	Z	-1.828	-1.828	0	%100
37	MP4A	X	-1.056	-1.056	0	%100
38	MP4A	Z	-1.828	-1.828	0	%100
39	M30B	X	-1.465	-1.465	0	%100
40	M30B	Z	-2.538	-2.538	0	%100 %100
41	M31B	X	-1.465	-1.465	0	%100
42	M31B	Z	-2.538	-2.538	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	0	0	0	%100 %100
47	MP5C	X	-1.027	-1.027	0	%100
48	MP5C	Z	-1.778	-1.778	0	%100
49	POS.5C	X	-1.027	-1.027	0	%100
50	POS.5C	Z	-1.778	-1.778	0	%100
51	M38	X	975	975	0	%100
52	M38	Z	-1.688	-1.688	0	%100
53	MP3C	X			0	%100 %100
			-1.027	-1.027		
54	MP3C	Z	-1.778	-1.778	0	%100
55	MP1C	X	-1.027	-1.027	0	%100
56	MP1C	Z	-1.778	-1.778	0	%100
57	M41	X	839	839	0	%100
58	M41	Z	-1.452	-1.452	0	%100
59	M42	X	0	0	0	%100
60	M42	Z	0	0	0	%100 %100
61	M43	X	839	839	0	%100
62	M43	Z	-1.452	-1.452	0	%100
63	M44	X	839	839	0	%100
64	M44	Z	-1.452	-1.452	0	%100
65	M45	X	0	0	0	%100
66	M45	Z	0	0	0	%100
67	M46		839	839		
		X			0	%100
68	M46	Z	-1.452	-1.452	0	%100
69	OVPC	X	977	977	0	%100
70	OVPC	Z	-1.692	-1.692	0	%100
71	M52	X	-1.073	-1.073	0	%100
72	M52	Z	-1.859	-1.859	0	%100
73	M53	X	-1.073	-1.073	0	%100 %100
74		Z	-1.859	-1.859	0	%100 %100
	M53					
75	POS.4C	X	-1.056	-1.056	0	%100
76	POS.4C	Z	-1.828	-1.828	0	%100
77	MP2C	X	-1.056	-1.056	0	%100
78	MP2C	Z	-1.828	-1.828	0	%100
79	MP4C	X	-1.056	-1.056	0	%100
80	MP4C	Z	-1.828	-1.828	0	%100 %100
81	M63	X	-1.465	-1.465	0	%100
82	M63	Z	-2.538	-2.538	0	%100
83	M64	X	-1.465	-1.465	0	%100
84	M64	Z	-2.538	-2.538	0	%100
85	M67	X	-1.106	-1.106	0	%100



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

	Der Distributed Lot	,		3//		
	Member Label	Direction	Start Magnitude[lb/ft	.End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
86	M67	Z	-1.916	-1.916	0	%100
87	M68	X	-1.106	-1.106	0	%100
88	M68	Z	-1.916	-1.916	0	%100 %100
89	MP5B	X	-1.027		0	%100 %100
		Z		-1.027		
90	MP5B		-1.778	-1.778	0	%100
91	POS.5B	X	-1.027	-1.027	0	%100
92	POS.5B	Z	-1.778	-1.778	0	%100
93	M71	X	975	975	0	%100
94	M71	Z	-1.688	-1.688	0	%100
95	MP3B	X	-1.027	-1.027	0	%100
96	MP3B	Z	-1.778	-1.778	0	%100
97	MP1B	X	-1.027	-1.027	0	%100
98	MP1B	Z	-1.778	-1.778	0	%100
99	M74	X	000243	000243	0	%100
100	M74	Z	000421	000421	0	%100 %100
101	M75	X	87	87	0	%100 %100
102	M75	Z	-1.506	-1.506	0	%100 %100
103	M76	X	81	81	0	%100 %400
104	M76	Z	-1.403	-1.403	0	%100
105	M77	X	000243	000243	0	%100
106	M77	Z	000421	000421	0	%100
107	M78	X	87	87	0	%100
108	M78	Z	-1.506	-1.506	0	%100
109	M79	X	81	81	0	%100
110	M79	Z	-1.403	-1.403	0	%100
111	OVPB	X	977	977	0	%100
112	OVPB	Z	-1.692	-1.692	0	%100
113	M85	X	-1.073	-1.073	0	%100 %100
114	M85	Z	-1.859	-1.859	0	%100 %100
115	M86	X	-1.073	-1.073	0	%100 %100
116	M86	Z	-1.859		0	%100 %100
				-1.859		
117	POS.4B	X	-1.056	-1.056	0	%100
118	POS.4B	Z	-1.828	-1.828	0	%100
119	MP2B	X	-1.056	-1.056	0	%100
120	MP2B	Z	-1.828	-1.828	0	%100
121	MP4B	X	-1.056	-1.056	0	%100
122	MP4B	Z	-1.828	-1.828	0	%100
123	M96	X	0	0	0	%100
124	M96	Z	0	0	0	%100
125	M97	X	0	0	0	%100
126	M97	Z	0	0	0	%100
127	M113A	X	819	819	0	%100
128	M113A	Z	-1.419	-1.419	0	%100 %100
129	M114	X	096	096	0	%100 %100
130	M114	Z	166	166	0	%100 %100
131	M115	X	096	096	0	%100 %100
		Z				
132	M115	<u>Z</u>	166	166	0	%100 %400
133	M124A	X	096	096	0	%100
134	M124A	Z	166	166	0	%100
135	M125A	X	096	096	0	%100
136	M125A	Z	166	166	0	%100
137	M113B	X	035	035	0	%100
138	M113B	Z	061	061	0	%100
139	M114A	X	535	535	0	%100
140	M114A	Z	927	927	0	%100
141	M115A	X	846	846	0	%100 %100
142	M115A	Z	-1.465	-1.465	0	%100 %100
143	M116B	X	103	103	0	%100 %100
	M116B	Z				%100 %100
144	IVITIOD	Z	178	178	0	70 100



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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
145	M117B	X	103	103	0	%100
146	M117B	Z	178	178	0	%100
147	M118B	Χ	411	411	0	%100
148	M118B	Z	712	712	0	%100
149	M119B	X	411	411	0	%100
150	M119B	Z	712	712	0	%100
151	M120B	Χ	103	103	0	%100
152	M120B	Z	178	178	0	%100
153	M121B	X	103	103	0	%100
154	M121B	Z	178	178	0	%100
155	M126A	X	792	792	0	%100
156	M126A	Z	-1.371	-1.371	0	%100
157	M130	X	0	0	0	%100
158	M130	Z	0	0	0	%100
159	M135	Χ	792	792	0	%100
160	M135	Z	-1.371	-1.371	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
1	M109	X	0	0	0	%100
2	M109	Z	703	703	0	%100
3	M110	X	0	0	0	%100
4	M110	Z	703	703	0	%100
5	MP5A	X	0	0	0	%100
6	MP5A	Z	381	381	0	%100
7	POS.5A	X	0	0	0	%100
8	POS.5A	Z	381	381	0	%100
9	M113	X	0	0	0	%100
10	M113	Z	362	362	0	%100
11	MP3A	X	0	0	0	%100
12	MP3A	Z	381	381	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	381	381	0	%100
15	M116	X	0	0	0	%100
16	M116	Z	131	131	0	%100
17	M117	X	0	0	0	%100
18	M117	Z	581	581	0	%100
19	M118	X	0	0	0	%100
20	M118	Z	131	131	0	%100
21	M119	X	0	0	0	%100
22	M119	Z	131	131	0	%100
23	M120	X	0	0	0	%100
24	M120	Z	581	581	0	%100
25	M121	X	0	0	0	%100
26	M121	Z	131	131	0	%100
27	OVPA	X	0	0	0	%100
28	OVPA	Z	385	385	0	%100
29	M127	X	0	0	0	%100
30	M127	Z	479	479	0	%100
31	M128	X	0	0	0	%100
32	M128	Z	479	479	0	%100
33	POS.4A	X	0	0	0	%100
34	POS.4A	Z	4	4	0	%100
35	MP2A	X	0	0	0	%100
36	MP2A	Z	4	4	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	4	4	0	%100
39	M30B	X	0	0	0	%100



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

			. Ou actare Wil		,	
	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
40	M30B	Z	262	262	0	%100
41	M31B	X	0	0	0	%100
42	M31B	Z	262	262	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	176	176	0	%100 %100
45	M35	X	0	0	0	%100
46	M35	Z	176	176	0	%100
47	MP5C	X	0	0	0	%100
48	MP5C	Z	381	381	0	%100
49	POS.5C	Χ	0	0	0	%100
50	POS.5C	Z	381	381	0	%100
51	M38	X	0	0	0	%100
52	M38	Z	362	362	0	%100
53	MP3C	X	0	0	0	%100
54	MP3C	Z	381	381	0	%100 %100
55	MP1C	X	0	0	0	%100 %100
		Z				
56	MP1C		381	381	0	%100
57	M41	X	0	0	0	%100
58	M41	Z	552	552	0	%100
59	M42	X	0	0	0	%100
60	M42	Z	145	145	0	%100
61	M43	X	0	0	0	%100
62	M43	Z	145	145	0	%100
63	M44	X	0	0	0	%100
64	M44	Z	552	552	0	%100
65	M45	X	0	0	0	%100 %100
66	M45	Z	145	145	0	%100 %100
67		X	145	145	0	
	M46		-	-	-	%100
68	M46	Z	145	145	0	%100
69	OVPC	X	0	0	0	%100
70	OVPC	Z	385	385	0	%100
71	M52	X	0	0	0	%100
72	M52	Z	479	479	0	%100
73	M53	X	0	0	0	%100
74	M53	Z	479	479	0	%100
75	POS.4C	X	0	0	0	%100
76	POS.4C	Z	4	4	0	%100
77	MP2C	X	0	0	0	%100
78	MP2C	Z	4	4	0	%100 %100
79	MP4C	X	0	0	0	%100 %100
80	MP4C	Z	4	4	0	%100 %100
81			0	0	0	
	M63	Z Z		-1.047	0	%100 %100
82	M63		-1.047			%100 %400
83	M64	X	0	0	0	%100
84	M64	Z	-1.047	-1.047	0	%100
85	M67	X	0	0	0	%100
86	M67	Z	176	176	0	%100
87	M68	Х	0	0	0	%100
88	M68	Z	176	176	0	%100
89	MP5B	X	0	0	0	%100
90	MP5B	Z	381	381	0	%100
91	POS.5B	X	0	0	0	%100
92	POS.5B	Z	381	381	0	%100 %100
93	M71	X	361	361	0	%100 %100
94	M71	Z	362	362	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	381	381	0	%100
97	MP1B	X	0	0	0	%100
98	MP1B	Z	381	381	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft	.End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
99	M74	X	0	0	0	%100
100	M74	Z	145	145	0	%100
101	M75	X	0	0	0	%100
102	M75	Z	145	145	0	%100 %100
103	M76	X	0	0	0	%100 %100
104	M76	Z	552	552	0	%100 %100
105	M77	X	0	0	0	%100 %100
106	M77	Z	145	145	0	%100 %100
107	M78	X	0	0	0	%100 %100
108	M78	Z	145	145	0	%100 %100
109	M79	X	143	0	0	%100 %100
110	M79	Ž	552	552	0	%100 %100
111	OVPB	X	332	332	0	%100 %100
112	OVPB	Z	385	385	0	%100 %100
113	M85	X Z	0 479	0	0	%100 %400
114	M85	X		479	0	%100 %400
115	M86		0	0	0	%100 %400
116	M86	Z	479	479	0	%100 %400
117	POS.4B	X	0	0	0	%100 %400
118	POS.4B	Z	4	4	0	%100
119	MP2B	X	0	0	0	%100
120	MP2B	Z	4	4	0	%100
121	MP4B	X	0	0	0	%100
122	MP4B	Z	4	4	0	%100
123	M96	X	0	0	0	%100
124	M96	Z	262	262	0	%100
125	M97	X	0	0	0	%100
126	M97	Z	262	262	0	%100
127	M113A	X	0	0	0	%100
128	M113A	Z	284	284	0	%100
129	M114	X	0	0	0	%100
130	M114	Z	049	049	0	%100
131	M115	X	0	0	0	%100
132	M115	Z	049	049	0	%100
133	M124A	X	0	0	0	%100
134	M124A	Z	049	049	0	%100
135	M125A	X	0	0	0	%100
136	M125A	Z	049	049	0	%100
137	M113B	X	0	0	0	%100
138	M113B	Z	139	139	0	%100
139	M114A	X	0	0	0	%100
140	M114A	Z	033	033	0	%100
141	M115A	X	0	0	0	%100
142	M115A	Z	308	308	0	%100
143	M116B	X	0	0	0	%100
144	M116B	Z	063	063	0	%100
145	M117B	X	0	0	0	%100
146	M117B	Z	063	063	0	%100
147	M118B	X	0	0	0	%100
148	M118B	Z	063	063	0	%100
149	M119B	X	0	0	0	%100
150	M119B	Z	063	063	0	%100
151	M120B	X	0	0	0	%100
152	M120B	Z	0	0	0	%100
153	M121B	X	0	0	0	%100
154	M121B	Z	0	0	0	%100 %100
155	M126A	X	0	0	0	%100 %100
156	M126A	Z	4	4	0	%100 %100
157	M130	X	0	0	0	%100 %100
					-	,



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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
158	M130	Z	1	1	0	%100
159	M135	X	0	0	0	%100
160	M135	Z	1	1	0	%100

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

	Member Label		Start Magnitude[lb/ft,	.End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
1	M109	X	.263	.263	0	%100
2	M109	Z	456	456	0	%100
3	M110	X	.263	.263	0	%100
4	M110	Z	456	456	0	%100
5	MP5A	Χ	.19	.19	0	%100
6	MP5A	Z	33	33	0	%100
7	POS.5A	X	.19	.19	0	%100
8	POS.5A	Z	33	33	0	%100
9	M113	X	.181	.181	0	%100
10	M113	Z	313	313	0	%100
11	MP3A	X	.19	.19	0	%100
12	MP3A	Z	33	33	0	%100
13	MP1A	X	.19	.19	0	%100
14	MP1A	Z	33	33	0	%100
15	M116	X	6.1e-5	6.1e-5	0	%100
16	M116	Z	000106	000106	0	%100
17	M117	X	.218	.218	0	%100
18	M117	Z	377	377	0	%100
19	M118	X	.203	.203	0	%100
20	M118	Z	352	352	0	%100 %100
21	M119	X	6.1e-5	6.1e-5	0	%100 %100
22	M119	Z	000106	000106	0	%100
23	M120	X	.218	.218	0	%100 %100
24	M120	Z	377	377	0	%100 %100
25	M121	X	.203	.203	0	%100 %100
26	M121	Z	352	352	0	%100 %100
27	OVPA	X	.193	.193	0	%100 %100
28	OVPA	Z	334	334	0	%100 %100
29	M127	X	.239	.239	0	%100 %100
30	M127	Z	415	415	0	%100 %100
31	M128	X	.239	.239	0	%100 %100
32	M128	Z	415	415	0	%100 %100
33	POS.4A	X	.2	.2	0	%100 %100
34	POS.4A	Z	347	347	0	%100 %100
35	MP2A	X	.2	.2	0	%100 %100
36	MP2A	Z	347	347	0	%100 %100
37	MP4A	X	.2	.2	0	%100 %100
38	MP4A	Z	347	347	0	%100 %100
39						%100 %100
40	M30B M30B	X Z	0	0	0	
41	M30B M31B	X	0	0	0	%100 %100
	M31B					
42	M31B	Z	0	0	0	%100 %100
43	M34	X	.263	.263	0	%100 %100
44	M34	Z	456	456	0	%100 %100
45	M35	X	.263	.263	0	%100 %400
46	M35	Z	456	456	0	%100 %400
47	MP5C	X	.19	.19	0	%100 %400
48	MP5C	Z	33	33	0	%100
49	POS.5C	X	.19	.19	0	%100
50	POS.5C	Z	33	33	0	%100
51	M38	X	.181	.181	0	%100
52	M38	Z	313	313	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft	Start Location[ft,%]	End Location[ft,%]
53	MP3C	X	.19	.19	0	%100
54	MP3C	Z	33	33	0	%100
55	MP1C	X	.19	.19	0	%100
56	MP1C	Z	33	33	0	%100
57	M41	X	.203	.203	0	%100
58	M41	Z	352	352	0	%100
59	M42	X	.218	.218	0	%100
60	M42	Z	377	377	0	%100 %100
61	M43	X	6.1e-5	6.1e-5	0	%100 %100
62	M43	Z	000106	000106	0	%100 %100
63	M44	X	.203	.203	0	%100 %100
64	M44	Z	352	352	0	%100 %100
65	M45	X	.218	.218	0	%100 %100
66	M45	Z	377	377	0	%100 %100
67	M46	X	6.1e-5	6.1e-5	0	%100 %100
68	M46	Z	000106	000106	0	%100 %100
69	OVPC	X	.193	.193	0	%100 %100
70	OVPC	Z	334	334	0	%100 %100
71 72	M52	Z	.239 415	.239 415	0	%100 %100
	M52					
73	M53	X	.239	.239	0	%100
74	M53	Z	415	415	0	%100
75	POS.4C	X	.2	.2	0	%100
76	POS.4C	Z	347	347	0	%100
77	MP2C	X	.2	.2	0	%100
78	MP2C	Z	347	347	0	%100
79	MP4C	X	.2	.2	0	%100
80	MP4C	Z	347	347	0	%100
81	M63	X	.393	.393	0	%100
82	M63	Z	68	68	0	%100
83	M64	X	.393	.393	0	%100
84	M64	Z	68	68	0	%100
85	M67	X	0	0	0	%100
86	M67	Z	0	0	0	%100
87	M68	X	0	0	0	%100
88	M68	Z	0	0	0	%100
89	MP5B	X	.19	.19	0	%100
90	MP5B	Z	33	33	0	%100
91	POS.5B	X	.19	.19	0	%100
92	POS.5B	Z	33	33	0	%100
93	M71	X	.181	.181	0	%100
94	M71	Z	313	313	0	%100
95	MP3B	X	.19	.19	0	%100
96	MP3B	Z	33	33	0	%100
97	MP1B	X	.19	.19	0	%100
98	MP1B	Z	33	33	0	%100
99	M74	X	.211	.211	0	%100
100	M74	Z	365	365	0	%100
101	M75	X	0	0	0	%100
102	M75	Z	0	0	0	%100
103	M76	X	.211	.211	0	%100
104	M76	Z	365	365	0	%100
105	M77	X	.211	.211	0	%100
106	M77	Z	365	365	0	%100
107	M78	X	0	0	0	%100
108	M78	Z	0	0	0	%100
109	M79	X	.211	.211	0	%100
110	M79	Z	365	365	0	%100
111	OVPB	X	.193	.193	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
112	OVPB	Z	334	334	0	%100
113	M85	X	.239	.239	0	%100
114	M85	Z	415	415	0	%100
115	M86	X	.239	.239	0	%100
116	M86	Z	415	415	0	%100
117	POS.4B	X	.2	.2	0	%100
118	POS.4B	Z	347	347	0	%100
119	MP2B	X	.2	.2	0	%100
120	MP2B	Z	347	347	0	%100
121	MP4B	X	.2	.2	0	%100
122	MP4B	Z	347	347	0	%100
123	M96	X	.393	.393	0	%100
124	M96	Z	68	68	0	%100
125	M97	X	.393	.393	0	%100
126	M97	Z	68	68	0	%100
127	M113A	X	.142	.142	0	%100
128	M113A	Z	246	246	0	%100
129	M114	X	.033	.033	0	%100
130	M114	Z	057	057	0	%100
131	M115	X	.033	.033	0	%100
132	M115	Z	057	057	0	%100
133	M124A	X	.033	.033	0	%100
134	M124A	Z	057	057	0	%100
135	M125A	X	.033	.033	0	%100
136	M125A	Z	057	057	0	%100
137	M113B	X	.143	.143	0	%100
138	M113B	Z	249	249	0	%100
139	M114A	X	.006	.006	0	%100
140	M114A	Z	01	01	0	%100
141	M115A	X	.091	.091	0	%100
142	M115A	Z	157	157	0	%100
143	M116B	X	.042	.042	0	%100
144	M116B	Z	073	073	0	%100
145	M117B	X	.042	.042	0	%100
146	M117B	Z	073	073	0	%100
147	M118B	X	.011	.011	0	%100
148	M118B	Z	018	018	0	%100
149	M119B	X	.011	.011	0	%100
150	M119B	Z	018	018	0	%100
151	M120B	X	.011	.011	0	%100
152	M120B	Z	018	018	0	%100
153	M121B	X	.011	.011	0	%100 %100
154	M121B	Z	018	018	0	%100
155	M126A	X	.15	.15	0	%100
156	M126A	Z	26	26	0	%100 %100
157	M130	X	.15	.15	0	%100 %100
158	M130	Z	26	26	0	%100 %100
159	M135		0	0	0	%100
160	M135	X Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
1	M109	X	.152	.152	0	%100
2	M109	Z	088	088	0	%100
3	M110	X	.152	.152	0	%100
4	M110	Z	088	088	0	%100
5	MP5A	X	.33	.33	0	%100
6	MP5A	Z	19	19	0	%100



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

	ber Distributed Lot			3//	,	
	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
7	POS.5A	X	.33	.33	0	%100
8	POS.5A	Z	19	19	0	%100
9	M113	X	.313	.313	0	%100
10	M113	Z	181	181	0	%100
11	MP3A	X	.33	.33	0	%100
12	MP3A	Z	19	19	0	%100 %100
13	MP1A	X	.33	.33	0	%100 %100
14	MP1A	Z	19	19	0	%100
15	M116	X	.126	.126	0	%100
16	M116	Z	073	073	0	%100
17	M117	X	.126	.126	0	%100
18	M117	Z	073	073	0	%100
19	M118	X	.478	.478	0	%100
20	M118	Z	276	276	0	%100
21	M119	X	.126	.126	0	%100
22	M119	Z	073	073	0	%100
23	M120	X	.126	.126	0	%100
24	M120	Z	073	073	0	%100
25	M121	X	.478	.478	0	%100 %100
26	M121	Z	276	276	0	%100 %100
27	OVPA	X	.334	.334	0	%100 %100
28	OVPA	Z	193	193	0	%100 %100
29	M127	X	.415	.415	0	%100 %100
		Z				
30	M127		239	239	0	%100
31	M128	X	.415	.415	0	%100
32	M128	Z	239	239	0	%100
33	POS.4A	X	.347	.347	0	%100
34	POS.4A	Z	2	2	0	%100
35	MP2A	X	.347	.347	0	%100
36	MP2A	Z	2	2	0	%100
37	MP4A	X	.347	.347	0	%100
38	MP4A	Z	2	2	0	%100
39	M30B	X	.227	.227	0	%100
40	M30B	Z	131	131	0	%100
41	M31B	X	.227	.227	0	%100
42	M31B	Z	131	131	0	%100
43	M34	X	.608	.608	0	%100
44	M34	Z	351	351	0	%100
45	M35	X	.608	.608	0	%100 %100
46	M35	Z	351	351	0	%100 %100
47	MP5C	X	.33	.33	0	%100 %100
48	MP5C	Z	19	19	0	%100 %100
49	POS.5C	X	.33	.33	0	%100 %100
50	POS.5C	Z	19	19	0	%100 %100
				.313		
51	M38	X	.313		0	%100 %400
52	M38	Z	181	181	0	%100 %400
53	MP3C	X	.33	.33	0	%100
54	MP3C	Z	19	19	0	%100
55	MP1C	X	.33	.33	0	%100
56	MP1C	Z	19	19	0	%100
57	M41	X	.113	.113	0	%100
58	M41	Z	065	065	0	%100
59	M42	X	.503	.503	0	%100
60	M42	Z	29	29	0	%100
61	M43	X	.113	.113	0	%100
62	M43	Z	065	065	0	%100
63	M44	X	.113	.113	0	%100
64	M44	Z	065	065	0	%100
65	M45	X	.503	.503	0	%100 %100
	10110	/\			· · ·	70100



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

			. Guactare Wii			
0.0	Member Label	Direction	Start Magnitude[lb/ft,			End Location[ft,%]
66	M45	Z	29	29	0	%100
67	M46	X	.113	.113	0	%100
68	M46	Z	065	065	0	%100
69	OVPC	X	.334	.334	0	%100
70	OVPC	Z	193	193	0	%100
71	M52	X	.415	.415	0	%100
72	M52	Z	239	239	0	%100
73	M53	X	.415	.415	0	%100
74	M53	Z	239	239	0	%100
75	POS.4C	X	.347	.347	0	%100
76	POS.4C	Z	2	2	0	%100
77	MP2C	X	.347	.347	0	%100
78	MP2C	Z	2	2	0	%100
79	MP4C	X	.347	.347	0	%100
80	MP4C	Z	2	2	0	%100
81	M63	X	.227	.227	0	%100
82	M63	Z	131	131	0	%100
83	M64	X	.227	.227	0	%100
84	M64	Z	131	131	0	%100
85	M67	X	.152	.152	0	%100
86	M67	Z	088	088	0	%100 %100
87	M68	X	.152	.152	0	%100 %100
88	M68	Z	088	088	0	%100 %100
89	MP5B	X	.33	.33	0	%100
90	MP5B	Z	19	19	0	%100
91	POS.5B	X	.33	.33	0	%100 %100
92	POS.5B	Z	19	19	0	%100 %100
93	M71	X	.313	.313	0	%100 %100
94	M71	Z	181	181	0	%100 %100
95	MP3B	X	.33	.33	0	%100 %100
96	MP3B	Z	19	19	0	%100 %100
97	MP1B	X	.33	.33	0	%100 %100
98	MP1B	Z	19	19	0	%100 %100
99	M74	X	.478	.478	0	%100 %100
100	M74	Z	276	276	0	%100 %100
101	M75	X	.126	.126	0	%100 %100
102	M75	Z	073	073	0	%100 %100
103	M76	X	.126	.126	0	%100 %100
103	M76	Ž	073	073	0	%100 %100
104	M77	X	.478	.478	0	%100 %100
106	M77	Z	276	276	0	%100 %100
107			.126		0	
107	M78 M78	Z	073	.126 073	0	%100 %100
		X	.126	073 .126		
109	M79	Z			0	%100 %100
110	M79		073	073	0	%100 %100
111	OVPB	X Z	.334	.334	0	%100 %400
112	OVPB M95		193	193	0	%100 %100
113	M85	X	.415	.415	0	%100 %400
114	M85	Z	239	239	0	%100 %100
115	M86	X	.415	.415	0	%100 %400
116	M86	Z	239	239	0	%100
117	POS.4B	X	.347	.347	0	%100
118	POS.4B	Z	2	2	0	%100
119	MP2B	X	.347	.347	0	%100
120	MP2B	Z	2	2	0	%100
121	MP4B	X	.347	.347	0	%100
122	MP4B	Z	2	2	0	%100
123	<u>M96</u>	X	.907	.907	0	%100
124	M96	Z	524	524	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
125	M97	X	.907	.907	0	%100
126	M97	Z	524	524	0	%100
127	M113A	X	.246	.246	0	%100
128	M113A	Z	142	142	0	%100
129	M114	X	.043	.043	0	%100
130	M114	Z	025	025	0	%100
131	M115	Χ	.043	.043	0	%100
132	M115	Z	025	025	0	%100
133	M124A	X	.043	.043	0	%100
134	M124A	Z	025	025	0	%100
135	M125A	X	.043	.043	0	%100
136	M125A	Z	025	025	0	%100
137	M113B	X	.267	.267	0	%100
138	M113B	Z	154	154	0	%100
139	M114A	X	.12	.12	0	%100
140	M114A	Z	069	069	0	%100
141	M115A	X	.029	.029	0	%100
142	M115A	Z	017	017	0	%100
143	M116B	X	.055	.055	0	%100
144	M116B	Z	032	032	0	%100
145	M117B	X	.055	.055	0	%100
146	M117B	Z	032	032	0	%100
147	M118B	X	0	0	0	%100
148	M118B	Z	0	0	0	%100
149	M119B	X	0	0	0	%100
150	M119B	Z	0	0	0	%100
151	M120B	X	.055	.055	0	%100
152	M120B	Z	032	032	0	%100
153	M121B	X	.055	.055	0	%100
154	M121B	Z	032	032	0	%100
155	M126A	X	.087	.087	0	%100
156	M126A	Z	05	05	0	%100
157	M130	X	.347	.347	0	%100
158	M130	Z	2	2	0	%100
159	M135	Х	.087	.087	0	%100
160	M135	Z	05	05	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
1	M109	X	0	0	0	%100
2	M109	Z	0	0	0	%100
3	M110	X	0	0	0	%100
4	M110	Z	0	0	0	%100
5	MP5A	X	.381	.381	0	%100
6	MP5A	Z	0	0	0	%100
7	POS.5A	X	.381	.381	0	%100
8	POS.5A	Z	0	0	0	%100
9	M113	X	.362	.362	0	%100
10	M113	Z	0	0	0	%100
11	MP3A	X	.381	.381	0	%100
12	MP3A	Z	0	0	0	%100
13	MP1A	X	.381	.381	0	%100
14	MP1A	Z	0	0	0	%100
15	M116	X	.421	.421	0	%100
16	M116	Z	0	0	0	%100
17	M117	X	0	0	0	%100
18	M117	Z	0	0	0	%100
19	M118	X	.421	.421	0	%100



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

		•	. Gaactare Wil			
	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
20	M118	Z	0	0	0	%100
21	M119	X	.421	.421	0	%100
22		Z				%100 %100
	M119		0	0	0	
23	M120	X	0	0	0	%100
24	M120	Z	0	0	0	%100
25	M121	X	.421	.421	0	%100
26	M121	Z	0	0	0	%100
27	OVPA	X	.385	.385	0	%100
	OVPA	Z	0	0	0	%100 %100
28			-			
29	M127	X	.479	.479	0	%100
30	M127	Z	0	0	0	%100
31	M128	X	.479	.479	0	%100
32	M128	Z	0	0	0	%100
33	POS.4A	X	.4	.4	0	%100
34	POS.4A	Z	0	0	0	%100 %100
35	MP2A	X	.4	.4	0	%100
36	MP2A	Z	0	0	0	%100
37	MP4A	X	.4	.4	0	%100
38	MP4A	Z	0	0	0	%100
39	M30B	X	.786	.786	0	%100
40	M30B	Z	0	0	0	%100 %100
		X	.786		0	%100 %100
41	M31B			.786		
42	M31B	Z	0	0	0	%100
43	M34	X	.527	.527	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	.527	.527	0	%100
46	M35	Z	0	0	0	%100
47	MP5C	X	.381	.381	0	%100
					-	
48	MP5C	Z	0	0	0	%100
49	POS.5C	X	.381	.381	0	%100
50	POS.5C	Z	0	0	0	%100
51	M38	X	.362	.362	0	%100
52	M38	Z	0	0	0	%100
53	MP3C	X	.381	.381	0	%100
54	MP3C	Z	0	0	0	%100
55			.381	.381		
	MP1C	X			0	%100
56	MP1C	Z	0	0	0	%100
57	M41	X	.000122	.000122	0	%100
58	M41	Z	0	0	0	%100
59	M42	X	.436	.436	0	%100
60	M42	Z	0	0	0	%100
61	M43	X	.407	.407	0	%100 %100
62	M43	Z	0	.407	0	%100 %100
63	M44	X	.000122	.000122	0	%100
64	M44	Z	0	0	0	%100
65	M45	X	.436	.436	0	%100
66	M45	Z	0	0	0	%100
67	M46	X	.407	.407	0	%100
68	M46	Z	0	0	0	%100 %100
	OVPC					
69		X	.385	.385	0	%100 %400
70	OVPC	Z	0	0	0	%100
71	M52	X	.479	.479	0	%100
72	M52	Z	0	0	0	%100
73	M53	X	.479	.479	0	%100
74	M53	Z	0	0	0	%100 %100
75	POS.4C	X	.4	.4	0	
		^				%100 %400
76	POS.4C	Z	0	0	0	%100
77	MP2C	X	.4	.4	0	%100
78	MP2C	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,	Start Location[ft,%]	End Location[ft,%]
79	MP4C	X	.4	.4	0	%100
80	MP4C	Z	0	0	0	%100
81	M63	X	0	0	0	%100
82	M63	Z	0	0	0	%100
83	M64	X	0	0	0	%100
84	M64	Z	0	0	0	%100
85	M67	X	.527	.527	0	%100
86	M67	Z	0	0	0	%100
87	M68	X	.527	.527	0	%100
88	M68	Z	0	0	0	%100
89	MP5B	X	.381	.381	0	%100
90	MP5B	Z	0	0	0	%100
91	POS.5B	X	.381	.381	0	%100
92	POS.5B	Z	0	0	0	%100
93	M71	X	.362	.362	0	%100
94	M71	Z	0	0	0	%100
95	MP3B	X	.381	.381	0	%100
96	MP3B	Z	0	0	0	%100
97	MP1B	X	.381	.381	0	%100
98	MP1B	Z	0	0	0	%100
99	M74	X	.407	.407	0	%100
100	M74	Z	0	0	0	%100
101	M75	X	.436	.436	0	%100
102	M75	Z	0	0	0	%100
103	M76	X	.000122	.000122	0	%100
104	M76	Z	0	0	0	%100
105	M77	X	.407	.407	0	%100
106	M77	Z	0	0	0	%100
107	M78	X	.436	.436	0	%100
108	M78	Z	0	0	0	%100
109	M79	X	.000122	.000122	0	%100
110	M79	Z	0	0	0	%100
111	OVPB	X	.385	.385	0	%100
112	OVPB	Z	0	0	0	%100
113	M85	X	.479	.479	0	%100 %400
114	M85	Z	.479	.479	0	%100 %400
115 116	M86 M86	X Z	.479	.479	0	%100 %100
117	POS.4B	X	.4	.4	0	%100 %100
118	POS.4B	Z	0	0	0	%100 %100
119	MP2B	X	.4	4	0	%100 %100
120	MP2B	Z	0	0	0	%100 %100
121	MP4B	X	.4	.4	0	%100 %100
122	MP4B	Z	0	0	0	%100 %100
123	M96	X	.786	.786	0	%100 %100
124	M96	Z	0	0	0	%100 %100
125	M97	X	.786	.786	0	%100 %100
126	M97	Z	0	0	0	%100
127	M113A	X	.284	.284	0	%100
128	M113A	Z	0	0	0	%100
129	M114	X	.016	.016	0	%100
130	M114	Z	0	0	0	%100
131	M115	X	.016	.016	0	%100
132	M115	Z	0	0	0	%100
133	M124A	X	.016	.016	0	%100
134	M124A	Z	0	0	0	%100
135	M125A	X	.016	.016	0	%100
136	M125A	Z	0	0	0	%100
137	M113B	X	.182	.182	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
138	M113B	Z	0	0	0	%100
139	M114A	X	.287	.287	0	%100
140	M114A	Z	0	0	0	%100
141	M115A	X	.012	.012	0	%100
142	M115A	Z	0	0	0	%100
143	M116B	X	.021	.021	0	%100
144	M116B	Z	0	0	0	%100
145	M117B	X	.021	.021	0	%100
146	M117B	Z	0	0	0	%100
147	M118B	X	.021	.021	0	%100
148	M118B	Z	0	0	0	%100
149	M119B	X	.021	.021	0	%100
150	M119B	Z	0	0	0	%100
151	M120B	X	.084	.084	0	%100
152	M120B	Z	0	0	0	%100
153	M121B	X	.084	.084	0	%100
154	M121B	Z	0	0	0	%100
155	M126A	X	0	0	0	%100
156	M126A	Z	0	0	0	%100
157	M130	Χ	.3	.3	0	%100
158	M130	Z	0	0	0	%100
159	M135	Х	.3	.3	0	%100
160	M135	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,	Start Location[ft,%]	End Location[ft,%]
1	M109	X	.152	.152	0	%100
2	M109	Z	.088	.088	0	%100
3	M110	X	.152	.152	0	%100
4	M110	Z	.088	.088	0	%100
5	MP5A	X	.33	.33	0	%100
6	MP5A	Z	.19	.19	0	%100
7	POS.5A	X	.33	.33	0	%100
8	POS.5A	Z	.19	.19	0	%100
9	M113	Х	.313	.313	0	%100
10	M113	Z	.181	.181	0	%100
11	MP3A	X	.33	.33	0	%100
12	MP3A	Z	.19	.19	0	%100
13	MP1A	X	.33	.33	0	%100
14	MP1A	Z	.19	.19	0	%100
15	M116	X	.478	.478	0	%100
16	M116	Z	.276	.276	0	%100
17	M117	Х	.126	.126	0	%100
18	M117	Z	.073	.073	0	%100
19	M118	X	.126	.126	0	%100
20	M118	Z	.073	.073	0	%100
21	M119	X	.478	.478	0	%100
22	M119	Z	.276	.276	0	%100
23	M120	X	.126	.126	0	%100
24	M120	Z	.073	.073	0	%100
25	M121	Х	.126	.126	0	%100
26	M121	Z	.073	.073	0	%100
27	OVPA	X	.334	.334	0	%100
28	OVPA	Z	.193	.193	0	%100
29	M127	X	.415	.415	0	%100
30	M127	Z	.239	.239	0	%100
31	M128	X	.415	.415	0	%100
32	M128	Z	.239	.239	0	%100



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

	Dei Distributed Lot			3// (,	
	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
33	POS.4A	X	.347	.347	0	%100
34	POS.4A	Z	.2	.2	0	%100
35	MP2A	X	.347	.347	0	%100
36	MP2A	Z	.2	.2	0	%100
37	MP4A	X	.347	.347	0	%100 %100
38	MP4A	Z	.2	.2	0	%100 %100
39	M30B	X	.907	.907	0	%100 %100
40	M30B	Z	.524	.524	0	%100
41	M31B	X	.907	.907	0	%100
42	M31B	Z	.524	.524	0	%100
43	M34	X	.152	.152	0	%100
44	M34	Z	.088	.088	0	%100
45	M35	X	.152	.152	0	%100
46	M35	Z	.088	.088	0	%100
47	MP5C	X	.33	.33	0	%100
48	MP5C	Z	.19	.19	0	%100
49	POS.5C	X	.33	.33	0	%100
50	POS.5C	Z	.19	.19	0	%100
51	M38	X	.313	.313	0	%100 %100
52	M38	Z	.181	.181	0	%100 %100
53	MP3C	X	.33	.33	0	%100 %100
54	MP3C	Z	.19	.19	0	%100 %100
55	MP1C	X	.33	.33	0	%100 %100
		Z				
56	MP1C		.19	.19	0	%100
57	M41	X	.126	.126	0	%100
58	M41	Z	.073	.073	0	%100
59	M42	X	.126	.126	0	%100
60	M42	Z	.073	.073	0	%100
61	M43	X	.478	.478	0	%100
62	M43	Z	.276	.276	0	%100
63	M44	Χ	.126	.126	0	%100
64	M44	Z	.073	.073	0	%100
65	M45	X	.126	.126	0	%100
66	M45	Z	.073	.073	0	%100
67	M46	X	.478	.478	0	%100
68	M46	Z	.276	.276	0	%100
69	OVPC	X	.334	.334	0	%100
70	OVPC	Z	.193	.193	0	%100
71	M52	X	.415	.415	0	%100
72	M52	Z	.239	.239	0	%100 %100
73	M53	X	.415	.415	0	%100 %100
74	M53	Z	.239	.239	0	%100 %100
75	POS.4C	X	.347	.347	0	%100 %100
	POS.4C	Z	.347	.2	0	%100 %100
76	MP2C					
77		X	.347	.347	0	%100 %400
78	MP2C	Z	.2	.2	0	%100 %400
79	MP4C	X	.347	.347	0	%100
80	MP4C	Z	.2	.2	0	%100
81	M63	X	.227	.227	0	%100
82	M63	Z	.131	.131	0	%100
83	M64	X	.227	.227	0	%100
84	M64	Z	.131	.131	0	%100
85	M67	X	.608	.608	0	%100
86	M67	Z	.351	.351	0	%100
87	M68	X	.608	.608	0	%100
88	M68	Z	.351	.351	0	%100
89	MP5B	X	.33	.33	0	%100
90	MP5B	Z	.19	.19	0	%100
91	POS.5B	X	.33	.33	0	%100 %100
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Member Distributed Loads (BLC 69 : Structure Wm (120 Deg)) (Continued)

				1 (120 Deg)) (C		
	Member Label	Direction	Start Magnitude[lb/ft	.End Magnitude[lb/ft	Start Location[ft,%]	End Location[ft,%]
92	POS.5B	Z	.19	.19	0	%100
93	M71	X	.313	.313	0	%100
94	M71	Z	.181	.181	0	%100 %100
-	MP3B		.33	.33		%100 %100
95		X			0	
96	MP3B	Z	.19	.19	0	%100
97	MP1B	X	.33	.33	0	%100
98	MP1B	Z	.19	.19	0	%100
99	M74	X	.113	.113	0	%100
100	M74	Z	.065	.065	0	%100
101	M75	X	.503	.503	0	%100
102	M75	Z	.29	.29	0	%100
103	M76	X	.113	.113	0	%100
104	M76	Z	.065	.065	0	%100
105	M77	X	.113	.113	0	%100 %100
106	M77	Z	.065	.065	0	%100 %100
107	M78	X	.503	.503	0	%100 %100
108	M78	Z	.29	.29	0	%100
109	M79	X	.113	.113	0	%100
110	M79	Z	.065	.065	0	%100
111	OVPB	X	.334	.334	0	%100
112	OVPB	Z	.193	.193	0	%100
113	M85	X	.415	.415	0	%100
114	M85	Z	.239	.239	0	%100
115	M86	X	.415	.415	0	%100
116	M86	Z	.239	.239	0	%100
117	POS.4B	X	.347	.347	0	%100
118	POS.4B	Z	.2	.2	0	%100 %100
119	MP2B	X	.347	.347	0	%100 %100
	MP2B	Z	.2	.2	0	
120						%100
121	MP4B	X	.347	.347	0	%100
122	MP4B	Z	.2	.2	0	%100
123	M96	X	.227	.227	0	%100
124	M96	Z	.131	.131	0	%100
125	M97	X	.227	.227	0	%100
126	M97	Z	.131	.131	0	%100
127	M113A	X	.246	.246	0	%100
128	M113A	Z	.142	.142	0	%100
129	M114	Х	0	0	0	%100
130	M114	Z	0	0	0	%100
131	M115	X	0	0	0	%100 %100
132	M115	Z	0	0	0	%100 %100
133	M124A	X	0	0	0	%100 %100
			·	0		
134	M124A	Z	0		0	%100 %100
135	M125A	X	0	0	0	%100
136	M125A	Z	0	0	0	%100
137	M113B	X	.029	.029	0	%100
138	M113B	Z	.017	.017	0	%100
139	M114A	X	.267	.267	0	%100
140	M114A	Z	.154	.154	0	%100
141	M115A	X	.12	.12	0	%100
142	M115A	Z	.069	.069	0	%100
143	M116B	X	0	0	0	%100
144	M116B	Z	0	0	0	%100 %100
145	M117B	X	0	0	0	%100 %100
		Z	0	0	0	
146	M117B					%100 %100
147	M118B	X	.055	.055	0	%100
148	M118B	Z	.032	.032	0	%100
149	M119B	X	.055	.055	0	%100
150	M119B	Z	.032	.032	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
151	M120B	X	.055	.055	0	%100
152	M120B	Z	.032	.032	0	%100
153	M121B	X	.055	.055	0	%100
154	M121B	Z	.032	.032	0	%100
155	M126A	X	.087	.087	0	%100
156	M126A	Z	.05	.05	0	%100
157	M130	Χ	.087	.087	0	%100
158	M130	Z	.05	.05	0	%100
159	M135	X	.347	.347	0	%100
160	M135	Z	.2	.2	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft	.End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
1	M109	X	.263	.263	0	%100
2	M109	Z	.456	.456	0	%100
3	M110	X	.263	.263	0	%100
4	M110	Z	.456	.456	0	%100
5	MP5A	X	.19	.19	0	%100
6	MP5A	Z	.33	.33	0	%100
7	POS.5A	X	.19	.19	0	%100
8	POS.5A	Z	.33	.33	0	%100
9	M113	X	.181	.181	0	%100
10	M113	Z	.313	.313	0	%100
11	MP3A	X	.19	.19	0	%100
12	MP3A	Z	.33	.33	0	%100
13	MP1A	X	.19	.19	0	%100
14	MP1A	Z	.33	.33	0	%100
15	M116	X	.203	.203	0	%100
16	M116	Z	.352	.352	0	%100
17	M117	X	.218	.218	0	%100
18	M117	Z	.377	.377	0	%100
19	M118	X	6.1e-5	6.1e-5	0	%100
20	M118	Z	.000106	.000106	0	%100
21	M119	X	.203	.203	0	%100
22	M119	Z	.352	.352	0	%100
23	M120	X	.218	.218	0	%100
24	M120	Z	.377	.377	0	%100
25	M121	X	6.1e-5	6.1e-5	0	%100
26	M121	Z	.000106	.000106	0	%100
27	OVPA	X	.193	.193	0	%100
28	OVPA	Z	.334	.334	0	%100
29	M127	X	.239	.239	0	%100
30	M127	Z	.415	.415	0	%100
31	M128	X	.239	.239	0	%100
32	M128	Z	.415	.415	0	%100
33	POS.4A	X	.2	.2	0	%100
34	POS.4A	Z	.347	.347	0	%100
35	MP2A	X	.2	.2	0	%100
36	MP2A	Z	.347	.347	0	%100
37	MP4A	X	.2	.2	0	%100
38	MP4A	Z	.347	.347	0	%100
39	M30B	X	.393	.393	0	%100
40	M30B	Z	.68	.68	0	%100
41	M31B	X	.393	.393	0	%100
42	M31B	Z	.68	.68	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	0	0	0	%100



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

			. Gaactare Wil	3// (
	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
46	M35	Z	0	0	0	%100
47	MP5C	X	.19	.19	0	%100
48	MP5C	Z	.33	.33	0	%100
49	POS.5C	X	.19	.19	0	%100
50	POS.5C	Z	.33	.33	0	%100 %100
51	M38	X	.181	.181	0	%100
52	M38	Z	.313	.313	0	%100
53	MP3C	X	.19	.19	0	%100
54	MP3C	Z	.33	.33	0	%100
55	MP1C	Χ	.19	.19	0	%100
56	MP1C	Z	.33	.33	0	%100
57	M41	X	.211	.211	0	%100
58	M41	Z	.365	.365	0	%100
59	M42	X	0	0	0	%100
60	M42	Z	0	0	0	%100 %100
61	M43	X	.211	.211	0	%100 %100
		Z				
62	M43		.365	.365	0	%100 %400
63	M44	X	.211	.211	0	%100
64	M44	Z	.365	.365	0	%100
65	M45	X	0	0	0	%100
66	M45	Z	0	0	0	%100
67	M46	Χ	.211	.211	0	%100
68	M46	Z	.365	.365	0	%100
69	OVPC	X	.193	.193	0	%100
70	OVPC	Z	.334	.334	0	%100
71	M52	X	.239	.239	0	%100
72	M52	Z	.415	.415	0	%100 %100
73	M53	X	.239	.239	0	%100 %100
					-	
74	M53	Z	.415	.415	0	%100
75	POS.4C	X	.2	.2	0	%100
76	POS.4C	Z	.347	.347	0	%100
77	MP2C	X	.2	.2	0	%100
78	MP2C	Z	.347	.347	0	%100
79	MP4C	X	.2	.2	0	%100
80	MP4C	Z	.347	.347	0	%100
81	M63	X	.393	.393	0	%100
82	M63	Z	.68	.68	0	%100
83	M64	X	.393	.393	0	%100
84	M64	Z	.68	.68	0	%100 %100
85	M67	X	.263	.263	0	%100 %100
86	M67	Z	.456	.456	0	%100 %100
87	M68		.263	.263	0	
		X Z				%100 %100
88	M68		.456	.456	0	%100 %100
89	MP5B	X	.19	.19	0	%100
90	MP5B	Z	.33	.33	0	%100
91	POS.5B	X	.19	.19	0	%100
92	POS.5B	Z	.33	.33	0	%100
93	M71	Х	.181	.181	0	%100
94	M71	Z	.313	.313	0	%100
95	MP3B	X	.19	.19	0	%100
96	MP3B	Z	.33	.33	0	%100
97	MP1B	X	.19	.19	0	%100 %100
98	MP1B	Z	.33	.33	0	%100 %100
99	M74	X	6.1e-5	6.1e-5	0	%100 %100
100	M74	Z	.000106	.000106	0	%100 %400
101	M75	X	.218	.218	0	%100
102	M75	Z	.377	.377	0	%100
103	M76	X	.203	.203	0	%100
104	M76	Z	.352	.352	0	%100

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

				/ (100 Deg// (O		
	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft	Start Location[ft,%]	End Location[ft,%]
105	M77	X	6.1e-5	6.1e-5	0	%100
106	M77	Z	.000106	.000106	0	%100 %100
107	M78	X	.218	.218	0	%100 %100
108	M78	Z	.377	.377	0	%100 %100
	M79			.203		
109		X	.203		0	%100
110	M79	Z	.352	.352	0	%100
111	OVPB	X	.193	.193	0	%100
112	OVPB	Z	.334	.334	0	%100
113	M85	X	.239	.239	0	%100
114	M85	Z	.415	.415	0	%100
115	M86	X	.239	.239	0	%100
116	M86	Z	.415	.415	0	%100
117	POS.4B	X	.2	.2	0	%100
118	POS.4B	Z	.347	.347	0	%100
119	MP2B	X	.2	.2	0	%100
120	MP2B	Z	.347	.347	0	%100
121	MP4B	X	.2	.2	0	%100
122	MP4B	Z	.347	.347	0	%100
123	M96	X	0	0	0	%100 %100
124	M96	Z	0	0	0	%100 %100
125	M97	X	0	0	0	%100 %100
126	M97	Z	0	0	0	%100 %100
127	M113A	X	.142	.142	0	%100 %100
128	M113A	Z	.246	.246	0	%100 %100
129	M114	X	.008	.008	0	%100 %100
130	M114	Z	.014	.014	0	%100 %100
131	M115	X	.008	.008	0	%100 %100
132	M115	Ž	.014	.014	0	%100 %100
133	M124A		.008	.008	0	%100 %100
134	M124A M124A	X Z	.014	.014	0	%100 %100
		X	.008			
135	M125A	Z		.008	0	%100 %400
136	M125A		.014	.014	0	%100 %400
137	M113B	X	.006	.006	0	%100
138	M113B	Z	.01	.01	0	%100
139	M114A	X	.091	.091	0	%100
140	M114A	Z	.157	.157	0	%100
141	M115A	X	.143	.143	0	%100
142	M115A	Z	.249	.249	0	%100
143	M116B	X	.011	.011	0	%100
144	M116B	Z	.018	.018	0	%100
145	M117B	X	.011	.011	0	%100
146	M117B	Z	.018	.018	0	%100
147	M118B	X	.042	.042	0	%100
148	M118B	Z	.073	.073	0	%100
149	M119B	X	.042	.042	0	%100
150	M119B	Z	.073	.073	0	%100
151	M120B	X	.011	.011	0	%100
152	M120B	Z	.018	.018	0	%100
153	M121B	X	.011	.011	0	%100
154	M121B	Z	.018	.018	0	%100
155	M126A	Х	.15	.15	0	%100
156	M126A	Z	.26	.26	0	%100
157	M130	X	0	0	0	%100
158	M130	Z	0	0	0	%100
159	M135	X	.15	.15	0	%100 %100
160	M135	Z	.26	.26	0	%100 %100

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



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

	Dei Distributed Lot			3//		
	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft	Start Location[ft.%]	End Location[ft,%]
1	M109	X	0	0	0	%100
2	M109	Z	.703	.703	0	%100
3	M110	X	0	0	0	%100 %100
4	M110	Z	.703	.703	0	%100
5	MP5A	X	0	0	0	%100
6	MP5A	Z	.381	.381	0	%100
7	POS.5A	Χ	0	0	0	%100
8	POS.5A	Z	.381	.381	0	%100
9	M113	X	0	0	0	%100 %100
		Z				
10	M113		.362	.362	0	%100
11	MP3A	X	0	0	0	%100
12	MP3A	Z	.381	.381	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	.381	.381	0	%100
15	M116	X	0	0	0	%100
16	M116	Z	.131	.131	0	%100 %100
17	M117	X	0	0	0	%100
18	M117	Z	.581	.581	0	%100
19	M118	X	0	0	0	%100
20	M118	Z	.131	.131	0	%100
21	M119	X	0	0	0	%100
22	M119	Z	.131	.131	0	%100 %100
23		X	0	0	0	
	M120					%100
24	M120	Z	.581	.581	0	%100
25	M121	X	0	0	0	%100
26	M121	Z	.131	.131	0	%100
27	OVPA	X	0	0	0	%100
28	OVPA	Z	.385	.385	0	%100
29	M127	X	0	0	0	%100
30	M127	Z	.479	.479	0	%100 %100
31	M128	X	0	0	0	%100
32	M128	Z	.479	.479	0	%100
33	POS.4A	Χ	0	0	0	%100
34	POS.4A	Z	.4	.4	0	%100
35	MP2A	Х	0	0	0	%100
36	MP2A	Z	.4	.4	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	.4	.4	0	%100 %100
39	M30B	X	0	0	0	%100
40	M30B	Z	.262	.262	0	%100
41	M31B	X	0	0	0	%100
42	M31B	Z	.262	.262	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	.176	.176	0	%100
45	M35	X	0	0	0	%100 %100
46	M35	Z	.176	.176	0	%100 %400
47	MP5C	X	0	0	0	%100
48	MP5C	Z	.381	.381	0	%100
49	POS.5C	X	0	0	0	%100
50	POS.5C	Z	.381	.381	0	%100
51	M38	X	0	0	0	%100
52	M38	Z	.362	.362	0	%100 %100
53	MP3C	X	0	0	0	%100
54	MP3C	Z	.381	.381	0	%100
55	MP1C	X	0	0	0	%100
56	MP1C	Z	.381	.381	0	%100
57	M41	X	0	0	0	%100
58	M41	Z	.552	.552	0	%100 %100
59	M42	X	0	0	0	%100 %100
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Member Distributed Loads (BLC 71 : Structure Wm (180 Deg)) (Continued)

	Bei Bistributeu Eet	,		3// (,	
	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
60	M42	Z	.145	.145	0	%100
61	M43	X	0	0	0	%100
62	M43	Z	.145	.145	0	%100
63	M44	X	0	0	0	%100
64	M44	Z	.552	.552	0	%100 %100
65	M45	X	0	0	0	%100
66	M45	Z	.145	.145	0	%100
67	M46	X	0	0	0	%100
68	M46	Z	.145	.145	0	%100
69	OVPC	X	0	0	0	%100
70	OVPC	Z	.385	.385	0	%100
71	M52	X	0	0	0	%100
72	M52	Z	.479	.479	0	%100
73	M53	X	0	0	0	%100
74	M53	Z	.479	.479	0	%100
75	POS.4C	X	0	0	0	%100
76	POS.4C	Z	.4	.4	0	%100 %100
	MP2C	X				%100 %100
77			0	0	0	
78	MP2C	Z	.4	.4	0	%100 %400
79	MP4C	X	0	0	0	%100
80	MP4C	Z	.4	.4	0	%100
81	M63	X	0	0	0	%100
82	M63	Z	1.047	1.047	0	%100
83	M64	X	0	0	0	%100
84	M64	Z	1.047	1.047	0	%100
85	M67	X	0	0	0	%100
86	M67	Z	.176	.176	0	%100
87	M68	X	0	0	0	%100 %100
88	M68	Z	.176	.176	0	%100 %100
89	MP5B	X	0	0	0	%100 %100
		Z	.381			
90	MP5B			.381	0	%100 %400
91	POS.5B	X	0	0	0	%100
92	POS.5B	Z	.381	.381	0	%100
93	M71	X	0	0	0	%100
94	M71	Z	.362	.362	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	.381	.381	0	%100
97	MP1B	X	0	0	0	%100
98	MP1B	Z	.381	.381	0	%100
99	M74	X	0	0	0	%100
100	M74	Z	.145	.145	0	%100
101	M75	X	0	0	0	%100
102	M75	Z	.145	.145	0	%100 %100
103	M76	X	0	0	0	%100 %100
103	M76	Z	.552	.552	0	%100 %100
105	M77	X	0	0	0	%100 %100
		Z	.145			
106	M77			.145	0	%100 %400
107	M78	X	0	0	0	%100
108	M78	Z	.145	.145	0	%100
109	M79	X	0	0	0	%100
110	M79	Z	.552	.552	0	%100
111	OVPB	X	0	0	0	%100
112	OVPB	Z	.385	.385	0	%100
113	M85	X	0	0	0	%100
114	M85	Z	.479	.479	0	%100
115	M86	X	0	0	0	%100 %100
116	M86	Z	.479	.479	0	%100 %100
117	POS.4B	X		0 .479	0	%100 %100
			0			
118	POS.4B	Z	.4	.4	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
119	MP2B	X	0	0	0	%100
120	MP2B	Z	.4	.4	0	%100
121	MP4B	X	0	0	0	%100
122	MP4B	Z	.4	.4	0	%100
123	M96	X	0	0	0	%100
124	M96	Z	.262	.262	0	%100
125	M97	X	0	0	0	%100
126	M97	Z	.262	.262	0	%100
127	M113A	X	0	0	0	%100
128	M113A	Z	.284	.284	0	%100
129	M114	X	0	0	0	%100
130	M114	Z	.049	.049	0	%100
131	M115	Х	0	0	0	%100
132	M115	Z	.049	.049	0	%100
133	M124A	Х	0	0	0	%100
134	M124A	Z	.049	.049	0	%100
135	M125A	Х	0	0	0	%100
136	M125A	Z	.049	.049	0	%100
137	M113B	X	0	0	0	%100
138	M113B	Z	.139	.139	0	%100
139	M114A	X	0	0	0	%100
140	M114A	Z	.033	.033	0	%100
141	M115A	X	0	0	0	%100
142	M115A	Z	.308	.308	0	%100
143	M116B	X	0	0	0	%100
144	M116B	Z	.063	.063	0	%100
145	M117B	X	0	0	0	%100
146	M117B	Z	.063	.063	0	%100
147	M118B	X	0	0	0	%100
148	M118B	Z	.063	.063	0	%100
149	M119B	X	0	0	0	%100
150	M119B	Z	.063	.063	0	%100
151	M120B	X	0	0	0	%100
152	M120B	Z	0	0	0	%100
153	M121B	X	0	0	0	%100
154	M121B	Z	0	0	0	%100
155	M126A	X	0	0	0	%100
156	M126A	Z	.4	.4	0	%100
157	M130	X	0	0	0	%100
158	M130	Z	.1	.1	0	%100
159	M135	X	0	0	0	%100
160	M135	Z	.1	.1	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft	End Magnitude[lb/ft	Start Location[ft,%]	End Location[ft.%]
1	M109	X	263	263	0	%100
2	M109	Z	.456	.456	0	%100
3	M110	X	263	263	0	%100
4	M110	Z	.456	.456	0	%100
5	MP5A	X	19	19	0	%100
6	MP5A	Z	.33	.33	0	%100
7	POS.5A	X	19	19	0	%100
8	POS.5A	Z	.33	.33	0	%100
9	M113	X	181	181	0	%100
10	M113	Z	.313	.313	0	%100
11	MP3A	X	19	19	0	%100
12	MP3A	Z	.33	.33	0	%100
13	MP1A	X	19	19	0	%100



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

14		Bei Bistilbatea Eet			- (= - 3 // (-		
15		Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
16	14	MP1A	Z	.33	.33	0	%100
16	15	M116	X	-6.1e-5	-6.1e-5	0	%100
17							
18							
19			7				
M118							
The color of the							
22							
23			X				
24 M120 Z 377 377 0 %100 26 M121 X -203 0 %100 26 M121 Z .352 .352 0 %100 27 OVPA X 193 193 0 %100 28 OVPA Z .3344 .334 0 %100 29 M127 X 239 239 0 %100 30 M127 Z .415 415 0 %100 31 M128 X 239 239 0 %100 31 M128 X 239 239 0 %100 32 M128 Z .415 .415 0 %100 34 POS.4A X 2 2 0 %100 34 POS.4A X 2 2 0 %100 35 MP2A X <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
25 M121 X -203 -203 0 %100 26 M121 Z .352 .352 0 %100 27 OVPA X 193 193 0 %100 28 OVPA Z .334 .334 0 %100 30 M127 X 239 239 0 %100 30 M127 Z .415 .415 0 %100 31 M128 X 239 239 0 %100 32 M128 Z .415 .415 0 %100 32 M128 Z .415 .415 0 %100 34 POS.4A X 2 2 0 %100 35 MP2A X 2 2 0 %100 36 MP2A X 2 2 0 %100 37 MP4A <td< td=""><td>23</td><td>M120</td><td></td><td></td><td></td><td>0</td><td>%100</td></td<>	23	M120				0	%100
26 M121 Z 352 352 0 %100 28 OVPA X 193 193 0 %100 29 M127 X 239 239 0 %100 30 M127 Z .415 .415 0 %100 31 M128 X 239 239 0 %100 31 M128 X 239 239 0 %100 32 M128 Z .415 .415 0 %100 33 POS.4A X 2 2 0 %100 34 POS.4A X 2 2 0 %100 36 MP2A X 2 2 0 %100 36 MP2A X 2 2 0 %100 38 MP4A X 2 2 0 %100 39 M30B X	24	M120	Z	.377	.377	0	%100
26 M121 Z 352 352 0 %100 28 OVPA X 193 193 0 %100 29 M127 X 239 239 0 %100 30 M127 Z .415 .415 0 %100 31 M128 X 239 239 0 %100 31 M128 X 239 239 0 %100 32 M128 Z .415 .415 0 %100 33 POS.4A X 2 2 0 %100 34 POS.4A X 2 2 0 %100 36 MP2A X 2 2 0 %100 36 MP2A X 2 2 0 %100 38 MP4A X 2 2 0 %100 39 M30B X			X			0	%100
27			Z				
28							
29							
30						-	
M128							
32							
33							
34 POS 4A Z 347 347 0 %100 35 MP2A X -2 -2 0 %100 36 MP2A Z .347 .347 0 %100 37 MP4A X -2 -2 0 %100 38 MP4A Z .347 .347 0 %100 39 M30B X 0 0 0 0 %100 40 M30B X 0 0 0 0 %100 41 M31B X 0 0 0 0 %100 42 M31B Z 0 0 0 %100 43 M34 X 263 263 0 %100 45 M35 X 263 263 0 %100 45 M35 X 263 263 0 %100 47							
35	33						
35	34	POS.4A				0	%100
36	35		X	2		0	%100
37			Z				
May							
M30B							
40 M30B Z 0 0 %100 41 M31B X 0 0 0 %100 42 M31B Z 0 0 0 %100 43 M34 X 263 263 0 %100 44 M34 Z .456 .456 0 %100 45 M35 X 263 263 0 %100 46 M35 Z .456 .456 0 %100 47 MP5C X 19 19 0 %100 47 MP5C X 19 19 0 %100 49 POS.5C X 19 19 0 %100 50 POS.5C Z .33 .33 0 %100 51 M38 X 181 181 0 %100 52 M38 Z .313							
41 M31B X 0 0 0 %100 42 M31B Z 0 0 0 %100 43 M34 X -263 -263 0 %100 44 M34 Z 456 .456 0 %100 45 M35 X -263 -263 0 %100 46 M35 Z .456 .456 0 %100 47 MP5C X 19 19 0 %100 48 MP5C Z .33 .33 0 %100 49 POS.5C X 19 19 0 %100 50 POS.5C X 19 19 0 %100 51 M38 X 181 181 0 %100 52 M38 Z .313 .313 0 %100 54 MP3C X <							
42 M31B Z 0 0 %100 43 M34 X 263 263 0 %100 44 M34 Z .456 .456 0 %100 45 M35 X 263 263 0 %100 46 M35 Z .456 .456 0 %100 47 MP5C X 19 19 0 %100 48 MP5C Z .33 .33 0 %100 49 POS.5C X 19 19 0 %100 50 POS.5C Z .33 .33 0 %100 51 M38 X 181 181 0 %100 52 M38 Z .313 .313 0 %100 53 MP3C X 19 19 0 %100 54 MP3C X 19 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
43 M34 X 263 263 0 %100 44 M34 Z .456 .456 0 %100 46 M35 X 263 263 0 %100 46 M35 Z .456 .456 0 %100 47 MP5C X 19 19 0 %100 48 MP5C Z .33 .33 0 %100 49 POS.5C X 19 19 0 %100 50 POS.5C Z .33 .33 0 %100 51 M38 X 181 181 0 %100 52 M38 Z .313 .313 0 %100 53 MP3C X 19 19 0 %100 54 MP3C Z .33 .33 0 %100 55 MP1C X </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td>						-	
44 M34 Z .456 .456 0 %100 45 M35 X 263 263 0 %100 46 M35 Z .456 .456 0 %100 47 MP5C X 19 19 0 %100 48 MP5C Z .33 .33 0 %100 49 POS.5C X 19 19 0 %100 50 POS.5C Z .33 .33 0 %100 51 M38 X 181 181 0 %100 52 M38 Z .313 .313 0 %100 53 MP3C X 19 19 0 %100 54 MP3C Z .33 .33 0 %100 55 MP1C X 19 19 0 %100 56 MP1C X <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td>					-		
45 M35 X 263 263 0 %100 46 M35 Z .456 .456 0 %100 47 MP5C X 19 19 0 %100 48 MP5C Z .33 .33 0 %100 49 POS.5C X 19 19 0 %100 50 POS.5C Z .33 .33 0 %100 51 M38 X 181 181 0 %100 52 M38 Z .313 .313 0 %100 53 MP3C X 19 19 0 %100 54 MP3C Z .33 .33 0 %100 55 MP1C X 19 19 0 %100 56 MP1C Z .33 .33 0 %100 58 M41 X			X				
46 M35 Z .456 .456 0 %100 47 MP5C X 19 19 0 %100 48 MP5C Z .33 .33 0 %100 49 POS.5C X 19 19 0 %100 50 POS.5C Z .33 .33 0 %100 51 M38 X 181 181 0 %100 52 M38 Z .313 .313 0 %100 53 MP3C X 19 19 0 %100 54 MP3C Z .33 .33 0 %100 54 MP3C Z .33 .33 0 %100 55 MP1C X 19 19 0 %100 56 MP1C Z .33 .33 0 %100 58 M41 X							
47 MP5C X 19 19 0 %100 48 MP5C Z .33 .33 0 %100 49 POS.5C X 19 19 0 %100 50 POS.5C Z .33 .33 0 %100 51 M38 X 181 181 0 %100 52 M38 Z .313 .313 0 %100 53 MP3C X 19 19 0 %100 54 MP3C Z .33 .33 0 %100 54 MP3C Z .33 .33 0 %100 56 MP1C X 19 19 0 %100 56 MP1C Z .33 .33 0 %100 57 M41 X 203 203 0 %100 58 M41 Z						0	
48 MP5C Z .33 .33 0 %100 49 POS.5C X 19 19 0 %100 50 POS.5C Z .33 .33 0 %100 51 M38 X 181 0 %100 52 M38 Z .313 .313 0 %100 53 MP3C X 19 19 0 %100 54 MP3C Z .33 .33 0 %100 54 MP1C X 19 19 0 %100 56 MP1C X 19 19 0 %100 56 MP1C X 19 19 0 %100 56 MP1C X 19 19 0 %100 57 M41 X 203 203 0 %100 58 M41 Z .352 <td>46</td> <td>M35</td> <td>Z</td> <td>.456</td> <td>.456</td> <td>0</td> <td>%100</td>	46	M35	Z	.456	.456	0	%100
48 MP5C Z .33 .33 0 %100 49 POS.5C X 19 19 0 %100 50 POS.5C Z .33 .33 0 %100 51 M38 X 181 0 %100 52 M38 Z .313 .313 0 %100 53 MP3C X 19 19 0 %100 54 MP3C Z .33 .33 0 %100 54 MP1C X 19 19 0 %100 56 MP1C X 19 19 0 %100 56 MP1C X 19 19 0 %100 56 MP1C X 19 19 0 %100 57 M41 X 203 203 0 %100 58 M41 Z .352 <td>47</td> <td>MP5C</td> <td>X</td> <td>19</td> <td>19</td> <td>0</td> <td>%100</td>	47	MP5C	X	19	19	0	%100
49 POS.5C X 19 19 0 %100 50 POS.5C Z .33 .33 0 %100 51 M38 X 181 181 0 %100 52 M38 Z .313 .313 0 %100 53 MP3C X 19 19 0 %100 54 MP3C Z .33 .33 0 %100 54 MP3C X 19 19 0 %100 55 MP1C X 19 19 0 %100 56 MP1C Z .33 .33 0 %100 56 MP1C Z .33 .33 0 %100 57 M41 X 203 203 0 %100 58 M41 Z .352 .352 0 %100 59 M42 X	48	MP5C	Z	.33	.33	0	%100
50 POS.5C Z .33 .33 0 %100 51 M38 X 181 181 0 %100 52 M38 Z .313 .313 0 %100 53 MP3C X 19 19 0 %100 54 MP3C Z .33 .33 0 %100 55 MP1C X 19 19 0 %100 56 MP1C Z .33 .33 0 %100 56 MP1C Z .33 .33 0 %100 57 M41 X 203 203 0 %100 58 M41 Z .352 .352 0 %100 59 M42 X 218 218 0 %100 60 M42 Z .377 .377 0 %100 62 M43 Z			X			0	
51 M38 X 181 181 0 %100 52 M38 Z .313 .313 0 %100 53 MP3C X 19 19 0 %100 54 MP3C Z .33 .33 0 %100 55 MP1C X 19 19 0 %100 56 MP1C Z .33 .33 0 %100 57 M41 X 203 203 0 %100 58 M41 Z .352 .352 0 %100 59 M42 X 218 218 0 %100 60 M42 Z .377 .377 0 %100 61 M43 X -6.1e-5 0 %100 62 M43 Z .000106 0 %100 63 M44 X 203 20							
52 M38 Z .313 .313 0 %100 53 MP3C X 19 19 0 %100 54 MP3C Z .33 .33 0 %100 55 MP1C X 19 19 0 %100 56 MP1C Z .33 .33 0 %100 57 M41 X 203 203 0 %100 58 M41 Z .352 .352 0 %100 59 M42 X 218 218 0 %100 60 M42 Z .377 .377 0 %100 61 M43 X -6.1e-5 -6.1e-5 0 %100 62 M43 Z .000106 .000106 0 %100 63 M44 X 203 203 0 %100 64 M44							
53 MP3C X 19 19 0 %100 54 MP3C Z .33 .33 0 %100 55 MP1C X 19 19 0 %100 56 MP1C Z .33 .33 0 %100 57 M41 X 203 203 0 %100 58 M41 Z .352 .352 0 %100 59 M42 X 218 218 0 %100 60 M42 X 218 218 0 %100 61 M43 X -6.1e-5 -6.1e-5 0 %100 62 M43 Z .000106 .000106 0 %100 63 M44 X 203 203 0 %100 64 M44 Z .352 .352 0 %100 65 M45			7				
54 MP3C Z .33 .33 0 %100 55 MP1C X 19 19 0 %100 56 MP1C Z .33 .33 0 %100 57 M41 X 203 203 0 %100 58 M41 Z .352 .352 0 %100 59 M42 X 218 218 0 %100 60 M42 Z .377 .377 0 %100 61 M43 X 61e-5 -6.1e-5 0 %100 62 M43 Z .000106 .000106 0 %100 63 M44 X 203 203 0 %100 64 M44 Z .352 .352 0 %100 65 M45 X 218 218 0 %100 66 M45							
55 MP1C X 19 19 0 %100 56 MP1C Z .33 .33 0 %100 57 M41 X 203 203 0 %100 58 M41 Z .352 .352 0 %100 59 M42 X 218 218 0 %100 60 M42 Z .377 .377 0 %100 61 M43 X -6.1e-5 -6.1e-5 0 %100 62 M43 Z .000106 .000106 0 %100 63 M44 X 203 203 0 %100 64 M44 Z .352 .352 0 %100 65 M45 X 218 218 0 %100 66 M45 Z .377 .377 0 %100 67 M46							
56 MP1C Z .33 .33 0 %100 57 M41 X 203 203 0 %100 58 M41 Z .352 .352 0 %100 59 M42 X 218 218 0 %100 60 M42 Z .377 .377 0 %100 61 M43 X -6.1e-5 -6.1e-5 0 %100 62 M43 Z .000106 .000106 0 %100 63 M44 X 203 203 0 %100 64 M44 Z .352 .352 0 %100 65 M45 X 218 218 0 %100 66 M45 Z .377 .377 0 %100 67 M46 X -6.1e-5 -6.1e-5 0 %100 69 OVPC							
57 M41 X 203 203 0 %100 58 M41 Z .352 .352 0 %100 59 M42 X 218 218 0 %100 60 M42 Z .377 .377 0 %100 61 M43 X -6.1e-5 -6.1e-5 0 %100 62 M43 Z .000106 .000106 0 %100 63 M44 X 203 203 0 %100 64 M44 Z .352 .352 0 %100 65 M45 X 218 218 0 %100 66 M45 Z .377 .377 0 %100 67 M46 X -6.1e-5 -6.1e-5 0 %100 69 OVPC X 193 193 0 %100 70 OVPC </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
58 M41 Z .352 .352 0 %100 59 M42 X 218 218 0 %100 60 M42 Z .377 .377 0 %100 61 M43 X -6.1e-5 -6.1e-5 0 %100 62 M43 Z .000106 .000106 0 %100 63 M44 X 203 203 0 %100 64 M44 Z .352 .352 0 %100 65 M45 X 218 218 0 %100 66 M45 Z .377 .377 0 %100 67 M46 X -6.1e-5 -6.1e-5 0 %100 69 OVPC X 193 193 0 %100 70 OVPC Z .334 .334 0 %100 71 M52 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
59 M42 X 218 218 0 %100 60 M42 Z .377 .377 0 %100 61 M43 X -6.1e-5 -6.1e-5 0 %100 62 M43 Z .000106 .000106 0 %100 63 M44 X 203 203 0 %100 64 M44 Z .352 .352 0 %100 65 M45 X 218 218 0 %100 66 M45 Z .377 .377 0 %100 67 M46 X -6.1e-5 -6.1e-5 0 %100 68 M46 Z .000106 .000106 0 %100 69 OVPC X 193 193 0 %100 70 OVPC Z .334 .334 0 %100 71 M							
60 M42 Z .377 .377 0 %100 61 M43 X -6.1e-5 -6.1e-5 0 %100 62 M43 Z .000106 .000106 0 %100 63 M44 X 203 203 0 %100 64 M44 Z .352 .352 0 %100 65 M45 X 218 218 0 %100 66 M45 Z .377 .377 0 %100 67 M46 X -6.1e-5 -6.1e-5 0 %100 68 M46 Z .000106 .000106 0 %100 69 OVPC X 193 193 0 %100 70 OVPC Z .334 .334 0 %100 71 M52 X 239 239 0 %100							
60 M42 Z .377 .377 0 %100 61 M43 X -6.1e-5 -6.1e-5 0 %100 62 M43 Z .000106 .000106 0 %100 63 M44 X 203 203 0 %100 64 M44 Z .352 .352 0 %100 65 M45 X 218 218 0 %100 66 M45 Z .377 .377 0 %100 67 M46 X -6.1e-5 -6.1e-5 0 %100 68 M46 Z .000106 .000106 0 %100 69 OVPC X 193 193 0 %100 70 OVPC Z .334 .334 0 %100 71 M52 X 239 239 0 %100			X				
61 M43 X -6.1e-5 -6.1e-5 0 %100 62 M43 Z .000106 .000106 0 %100 63 M44 X 203 203 0 %100 64 M44 Z .352 .352 0 %100 65 M45 X 218 218 0 %100 66 M45 Z .377 .377 0 %100 67 M46 X -6.1e-5 -6.1e-5 0 %100 68 M46 Z .000106 .000106 0 %100 69 OVPC X 193 193 0 %100 70 OVPC Z .334 .334 0 %100 71 M52 X 239 239 0 %100	60	M42	Z	.377	.377	0	%100
62 M43 Z .000106 .000106 0 %100 63 M44 X 203 203 0 %100 64 M44 Z .352 .352 0 %100 65 M45 X 218 218 0 %100 66 M45 Z .377 .377 0 %100 67 M46 X -6.1e-5 -6.1e-5 0 %100 68 M46 Z .000106 .000106 0 %100 69 OVPC X 193 193 0 %100 70 OVPC Z .334 .334 0 %100 71 M52 X 239 239 0 %100			X				
63 M44 X 203 203 0 %100 64 M44 Z .352 .352 0 %100 65 M45 X 218 218 0 %100 66 M45 Z .377 .377 0 %100 67 M46 X -6.1e-5 -6.1e-5 0 %100 68 M46 Z .000106 .000106 0 %100 69 OVPC X 193 193 0 %100 70 OVPC Z .334 .334 0 %100 71 M52 X 239 239 0 %100			Z				
64 M44 Z .352 .352 0 %100 65 M45 X 218 218 0 %100 66 M45 Z .377 .377 0 %100 67 M46 X -6.1e-5 -6.1e-5 0 %100 68 M46 Z .000106 .000106 0 %100 69 OVPC X 193 193 0 %100 70 OVPC Z .334 .334 0 %100 71 M52 X 239 239 0 %100							
65 M45 X 218 218 0 %100 66 M45 Z .377 .377 0 %100 67 M46 X -6.1e-5 -6.1e-5 0 %100 68 M46 Z .000106 .000106 0 %100 69 OVPC X 193 193 0 %100 70 OVPC Z .334 .334 0 %100 71 M52 X 239 239 0 %100			7				
66 M45 Z .377 .377 0 %100 67 M46 X -6.1e-5 -6.1e-5 0 %100 68 M46 Z .000106 .000106 0 %100 69 OVPC X 193 193 0 %100 70 OVPC Z .334 .334 0 %100 71 M52 X 239 239 0 %100							
67 M46 X -6.1e-5 -6.1e-5 0 %100 68 M46 Z .000106 .000106 0 %100 69 OVPC X 193 193 0 %100 70 OVPC Z .334 .334 0 %100 71 M52 X 239 239 0 %100			7				
68 M46 Z .000106 .000106 0 %100 69 OVPC X 193 193 0 %100 70 OVPC Z .334 .334 0 %100 71 M52 X 239 239 0 %100							
69 OVPC X 193 193 0 %100 70 OVPC Z .334 .334 0 %100 71 M52 X 239 239 0 %100							
70 OVPC Z .334 .334 0 %100 71 M52 X 239 239 0 %100							
71 M52 X239239 0 %100			X				
		OVPC					
		M52		239	239	0	%100
72 10 110 110 110 110	72	M52	Z	.415	.415	0	%100



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

	Dei Distributed Lot			1 3// 1 -		
	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft	Start Location[ft,%]	End Location[ft,%]
73	M53	Χ	239	239	0	%100
74	M53	Z	.415	.415	0	%100
75	POS.4C	X	2	2	0	%100
76	POS.4C	Z	.347	.347	0	%100 %100
77	MP2C	X	2	2	0	%100 %100
78	MP2C	Z	.347	.347	0	%100 %100
				2		%100 %100
79	MP4C	X	2		0	
80	MP4C	Z	.347	.347	0	%100
81	M63	X	393	393	0	%100
82	M63	Z	.68	.68	0	%100
83	M64	X	393	393	0	%100
84	M64	Z	.68	.68	0	%100
85	M67	X	0	0	0	%100
86	M67	Z	0	0	0	%100
87	M68	X	0	0	0	%100
88	M68	Z	0	0	0	%100
89	MP5B	X	19	19	0	%100
90	MP5B	Z	.33	.33	0	%100
91	POS.5B	X	19	19	0	%100 %100
92	POS.5B	Z	.33	.33	0	%100 %100
93	M71	X	181	181	0	%100 %100
94	M71	Z	.313	.313	0	%100 %100
95	MP3B	X	19	19	0	
						%100 %400
96	MP3B	Z	.33	.33	0	%100
97	MP1B	X	19	19	0	%100
98	MP1B	Z	.33	.33	0	%100
99	M74	X	211	211	0	%100
100	M74	Z	.365	.365	0	%100
101	M75	X	0	0	0	%100
102	M75	Z	0	0	0	%100
103	M76	X	211	211	0	%100
104	M76	Z	.365	.365	0	%100
105	M77	X	211	211	0	%100
106	M77	Z	.365	.365	0	%100
107	M78	X	0	0	0	%100
108	M78	Z	0	0	0	%100
109	M79	X	211	211	0	%100
110	M79	Z	.365	.365	0	%100
111	OVPB	X	193	193	0	%100 %100
112	OVPB	Z	.334	.334	0	%100 %100
113	M85	X	239	239	0	%100 %100
114	M85	Z	.415	.415	0	%100 %100
115	M86	X	239	239	0	%100 %100
		Z				
116	M86		.415	.415	0	%100 %400
117	POS.4B	X	2	2	0	%100 %400
118	POS.4B	Z	.347	.347	0	%100
119	MP2B	X	2	2	0	%100
120	MP2B	Z	.347	.347	0	%100
121	MP4B	X	2	2	0	%100
122	MP4B	Z	.347	.347	0	%100
123	M96	X	393	393	0	%100
124	M96	Z	.68	.68	0	%100
125	M97	X	393	393	0	%100
126	M97	Z	.68	.68	0	%100
127	M113A	X	142	142	0	%100
128	M113A	Z	.246	.246	0	%100
129	M114	X	033	033	0	%100
130	M114	Z	.057	.057	0	%100 %100
131	M115	X	033	033	0	%100 %100
IVI	IVITIO	^	000	000	U	/0100



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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
132	M115	Z	.057	.057	0	%100
133	M124A	X	033	033	0	%100
134	M124A	Z	.057	.057	0	%100
135	M125A	X	033	033	0	%100
136	M125A	Z	.057	.057	0	%100
137	M113B	X	143	143	0	%100
138	M113B	Z	.249	.249	0	%100
139	M114A	X	006	006	0	%100
140	M114A	Z	.01	.01	0	%100
141	M115A	X	091	091	0	%100
142	M115A	Z	.157	.157	0	%100
143	M116B	X	042	042	0	%100
144	M116B	Z	.073	.073	0	%100
145	M117B	X	042	042	0	%100
146	M117B	Z	.073	.073	0	%100
147	M118B	X	011	011	0	%100
148	M118B	Z	.018	.018	0	%100
149	M119B	X	011	011	0	%100
150	M119B	Z	.018	.018	0	%100
151	M120B	X	011	011	0	%100
152	M120B	Z	.018	.018	0	%100
153	M121B	X	011	011	0	%100
154	M121B	Z	.018	.018	0	%100
155	M126A	X	15	15	0	%100
156	M126A	Z	.26	.26	0	%100
157	M130	X	15	15	0	%100
158	M130	Z	.26	.26	0	%100
159	M135	X	0	0	0	%100
160	M135	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
1	M109	X	152	152	0	%100
2	M109	Z	.088	.088	0	%100
3	M110	X	152	152	0	%100
4	M110	Z	.088	.088	0	%100
5	MP5A	X	33	33	0	%100
6	MP5A	Z	.19	.19	0	%100
7	POS.5A	X	33	33	0	%100
8	POS.5A	Z	.19	.19	0	%100
9	M113	X	313	313	0	%100
10	M113	Z	.181	.181	0	%100
11	MP3A	X	33	33	0	%100
12	MP3A	Z	.19	.19	0	%100
13	MP1A	Χ	33	33	0	%100
14	MP1A	Z	.19	.19	0	%100
15	M116	X	126	126	0	%100
16	M116	Z	.073	.073	0	%100
17	M117	X	126	126	0	%100
18	M117	Z	.073	.073	0	%100
19	M118	X	478	478	0	%100
20	M118	Z	.276	.276	0	%100
21	M119	Χ	126	126	0	%100
22	M119	Z	.073	.073	0	%100
23	M120	Χ	126	126	0	%100
24	M120	Z	.073	.073	0	%100
25	M121	X	478	478	0	%100
26	M121	Z	.276	.276	0	%100



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

			. Gaactare wa	3// 1		
	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
27	OVPA	Χ	334	334	0	%100
28	OVPA	Z	.193	.193	0	%100
29	M127	X	415	415	0	%100
30	M127	Z	.239	.239	0	%100
31	M128	X	415	415	0	%100 %100
32	M128	Z	.239	.239	0	%100 %100
33	POS.4A	X	347	347	0	%100 %100
		Z				
34	POS.4A		.2	.2	0	%100 %400
35	MP2A	X Z	347	347	0	%100 %400
36	MP2A		.2	.2	0	%100
37	MP4A	X	347	347	0	%100
38	MP4A	Z	.2	.2	0	%100
39	M30B	X	227	227	0	%100
40	M30B	Z	.131	.131	0	%100
41	M31B	X	227	227	0	%100
42	M31B	Z	.131	.131	0	%100
43	M34	X	608	608	0	%100
44	M34	Z	.351	.351	0	%100
45	M35	X	608	608	0	%100
46	M35	Z	.351	.351	0	%100
47	MP5C	X	33	33	0	%100
48	MP5C	Z	.19	.19	0	%100
49	POS.5C	X	33	33	0	%100
50	POS.5C	Z	.19	.19	0	%100
51	M38	X	313	313	0	%100
52	M38	Z	.181	.181	0	%100
53	MP3C	X	33	33	0	%100 %100
54	MP3C	Z	.19	.19	0	%100 %100
55	MP1C	X	33	33	0	%100 %100
56	MP1C	Z	.19	.19	0	%100 %100
57	M41	X	113	113	0	%100 %100
58	M41	Z	.065	.065	0	%100 %100
59	M42	X	503	503	0	%100 %100
		Z				
60	M42		.29	.29	0	%100 %100
61	M43	X Z	113	113	0	%100 %400
62	M43		.065	.065	0	%100
63	M44	X	113	113	0	%100 %400
64	M44	Z	.065	.065	0	%100
65	M45	X	503	503	0	%100
66	M45	Z	.29	.29	0	%100
67	M46	X	113	113	0	%100
68	M46	Z	.065	.065	0	%100
69	OVPC	X	334	334	0	%100
70	OVPC	Z	.193	.193	0	%100
71	M52	X	415	415	0	%100
72	M52	Z	.239	.239	0	%100
73	M53	X	415	415	0	%100
74	M53	Z	.239	.239	0	%100
75	POS.4C	Х	347	347	0	%100
76	POS.4C	Z	.2	.2	0	%100
77	MP2C	X	347	347	0	%100
78	MP2C	Z	.2	.2	0	%100 %100
79	MP4C	X	347	347	0	%100 %100
80	MP4C	Z	.2	.2	0	%100 %100
81	M63	X	227	227	0	%100 %100
82	M63	Z	.131	.131	0	%100 %100
83	M64	X	227	227	0	%100 %100
		Z				
84	M64		.131	.131	0	%100 %100
85	M67	X	152	152	0	%100



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

			. Otractare Win	3//		
0.0	Member Label	Direction	Start Magnitude[lb/ft,			End Location[ft,%]
86	M67	Z	.088	.088	0	%100
87	M68	X	152	152	0	%100
88	M68	Z	.088	.088	0	%100
89	MP5B	X	33	33	0	%100
90	MP5B	Z	.19	.19	0	%100
91	POS.5B	X	33	33	0	%100
92	POS.5B	Z	.19	.19	0	%100
93	M71	X	313	313	0	%100
94	M71	Z	.181	.181	0	%100
95	MP3B	X	33	33	0	%100
96	MP3B	Z	.19	.19	0	%100
97	MP1B	X	33	33	0	%100
98	MP1B	Z	.19	.19	0	%100
99	M74	X	478	478	0	%100
100	M74	Z	.276	.276	0	%100
101	M75	X	126	126	0	%100
102	M75	Z	.073	.073	0	%100
103	M76	X	126	126	0	%100
104	M76	Z	.073	.073	0	%100
105	M77	X	478	478	0	%100
106	M77	Z	.276	.276	0	%100
107	M78	X	126	126	0	%100 %100
108	M78	Z	.073	.073	0	%100
109	M79	X	126	126	0	%100
110	M79	Z	.073	.073	0	%100
111	OVPB	X	334	334	0	%100 %100
112	OVPB	Z	.193	.193	0	%100 %100
113	M85	X	415	415	0	%100 %100
114	M85	Z	.239	.239	0	%100 %100
115	M86	X	415	415	0	%100 %100
116	M86	Z	.239	.239	0	%100 %100
117	POS.4B	X	347	347	0	%100 %100
118	POS.4B	Z	.2	.2	0	%100 %100
119	MP2B	X	347	347	0	%100 %100
120	MP2B	Z	.2	.2	0	%100 %100
121	MP4B	X	347	347	0	%100 %100
122	MP4B	Z	.2	.2	0	%100 %100
123	M96	X	907	907	0	%100 %100
124	M96	Z	.524	.524	0	%100 %100
125	M97	X	907	907	0	%100 %100
		Z		.524	0	
126 127	M97 M113A		.524 246		0	%100 %100
128	M113A	X Z	.142	246 .142	0	%100 %100
		X		043		
129	M114		043		0	%100 %100
130	M114	Z	.025	.025	0	%100 %100
131	M115	X	043	043	0	%100 %100
132	M115	Z	.025	.025	0	%100 %100
133	M124A	X	043	043	0	%100 %400
134	M124A	Z	.025	.025	0	%100 %400
135	M125A	X	043	043	0	%100 %400
136	M125A	Z	.025	.025	0	%100
137	M113B	X	267	267	0	%100
138	M113B	Z	.154	.154	0	%100
139	M114A	X	12	12	0	%100
140	M114A	Z	.069	.069	0	%100
141	M115A	X	029	029	0	%100
142	M115A	Z	.017	.017	0	%100
143	M116B	X	055	055	0	%100
144	M116B	Z	.032	.032	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
145	M117B	X	055	055	0	%100
146	M117B	Z	.032	.032	0	%100
147	M118B	X	0	0	0	%100
148	M118B	Z	0	0	0	%100
149	M119B	X	0	0	0	%100
150	M119B	Z	0	0	0	%100
151	M120B	X	055	055	0	%100
152	M120B	Z	.032	.032	0	%100
153	M121B	X	055	055	0	%100
154	M121B	Z	.032	.032	0	%100
155	M126A	X	087	087	0	%100
156	M126A	Z	.05	.05	0	%100
157	M130	X	347	347	0	%100
158	M130	Z	.2	.2	0	%100
159	M135	X	087	087	0	%100
160	M135	Z	.05	.05	0	%100

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

1 M109 X 0 0 0 % 2 M109 Z 0 0 0 % 3 M110 X 0 0 0 % 4 M110 Z 0 0 0 % 5 MP5A X 381 381 0 % 6 MP5A Z 0 0 0 % 7 POS.5A X 381 381 0 % 8 POS.5A Z 0 0 0 % 9 M113 X 362 362 0 % 10 M113 Z 0 0 0 % 11 MP3A X 381 381 0 % 12 MP3A Z 0 0 0 %	ation[ft,%] 100 100
2 M109 Z 0 0 0 % 3 M110 X 0 0 0 % 4 M110 Z 0 0 0 % 5 MP5A X 381 381 0 % 6 MP5A Z 0 0 0 % 7 POS.5A X 381 381 0 % 8 POS.5A Z 0 0 0 % 9 M113 X 362 362 0 % 10 M113 Z 0 0 0 % 11 MP3A X 381 381 0 % 12 MP3A Z 0 0 0 %	
3 M110 X 0 0 0 % 4 M110 Z 0 0 0 % 5 MP5A X 381 381 0 % 6 MP5A Z 0 0 0 % 7 POS.5A X 381 381 0 % 8 POS.5A Z 0 0 0 % 9 M113 X 362 362 0 % 10 M113 Z 0 0 0 % 11 MP3A X 381 381 0 % 12 MP3A Z 0 0 0 %	100
4 M110 Z 0 0 0 % 5 MP5A X 381 381 0 % 6 MP5A Z 0 0 0 % 7 POS.5A X 381 381 0 % 8 POS.5A Z 0 0 0 % 9 M113 X 362 362 0 % 10 M113 Z 0 0 0 % 11 MP3A X 381 381 0 % 12 MP3A Z 0 0 0 %	100
5 MP5A X 381 381 0 % 6 MP5A Z 0 0 0 % 7 POS.5A X 381 381 0 % 8 POS.5A Z 0 0 0 % 9 M113 X 362 362 0 % 10 M113 Z 0 0 0 % 11 MP3A X 381 381 0 % 12 MP3A Z 0 0 0 %	100
6 MP5A Z 0 0 0 % 7 POS.5A X 381 381 0 % 8 POS.5A Z 0 0 0 0 % 9 M113 X 362 362 0 % 10 M113 Z 0 0 0 % 11 MP3A X 381 381 0 % 12 MP3A Z 0 0 0 %	100
7 POS.5A X 381 381 0 % 8 POS.5A Z 0 0 0 0 % 9 M113 X 362 362 0 % 10 M113 Z 0 0 0 % 11 MP3A X 381 381 0 % 12 MP3A Z 0 0 0 %	100
8 POS.5A Z 0 0 0 % 9 M113 X 362 362 0 % 10 M113 Z 0 0 0 % 11 MP3A X 381 381 0 % 12 MP3A Z 0 0 0 %	100
9 M113 X 362 362 0 % 10 M113 Z 0 0 0 % 11 MP3A X 381 381 0 % 12 MP3A Z 0 0 0 %	100
10 M113 Z 0 0 0 % 11 MP3A X 381 381 0 % 12 MP3A Z 0 0 0 %	100
11 MP3A X 381 381 0 % 12 MP3A Z 0 0 0 %	100
12 MP3A Z 0 0 %	100
	100
10 1001	100
	100
14 MP1A Z 0 0 %	100
15 M116 X421421 0 %	100
16 M116 Z 0 0 %	100
17 M117 X 0 0 %	100
18 M117 Z 0 0 %	100
19 M118 X421421 0 %	100
20 M118 Z 0 0 %	100
21 M119 X421421 0 %	100
22 M119 Z 0 0 %	100
23 M120 X 0 0 %	100
24 M120 Z 0 0 %	100
25 M121 X421421 0 %	100
26 M121 Z 0 0 %	100
	100
	100
29 M127 X479479 0 %	100
	100
	100
32 M128 Z 0 0 %	100
33 POS.4A X44 0 %	100
34 POS.4A Z 0 0 %	100
35 MP2A X44 0 %	100
	100
	100
38 MP4A Z 0 0 %	100
	100



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

Micini	iber Distributed Loa	ius (DEO 74	· · Otractare win	/ (2/0 Beg)) (O.	onanaca)	
	Member Label	Direction	Start Magnitude[lb/ft	.End Magnitude[lb/ft	Start Location[ft.%]	End Location[ft,%]
40	M30B	Z	0	0	0	%100
41	M31B	X	786	786	0	%100
42	M31B	Z	0	0	0	%100 %100
			527	527		%100 %100
43	M34	X			0	
44	M34	Z	0	0	0	%100
45	M35	X	527	527	0	%100
46	M35	Z	0	0	0	%100
47	MP5C	X	381	381	0	%100
48	MP5C	Z	0	0	0	%100
49	POS.5C	X	381	381	0	%100
50	POS.5C	Z	0	0	0	%100
51	M38	X	362	362	0	%100
52	M38	Z	0	0	0	%100
53	MP3C	X	381	381	0	%100 %100
54	MP3C	Z	361	361	0	%100 %100
			-	7		
55	MP1C	X	381	381	0	%100
56	MP1C	Z	0	0	0	%100
57	M41	X	000122	000122	0	%100
58	M41	Z	0	0	0	%100
59	M42	X	436	436	0	%100
60	M42	Z	0	0	0	%100
61	M43	X	407	407	0	%100
62	M43	Z	0	0	0	%100 %100
63	M44	X	000122	000122	0	%100 %100
64	M44	Z	000122	000122	0	%100 %100
				-		
65	M45	X	436	436	0	%100
66	M45	Z	0	0	0	%100
67	M46	X	407	407	0	%100
68	M46	Z	0	0	0	%100
69	OVPC	Χ	385	385	0	%100
70	OVPC	Z	0	0	0	%100
71	M52	X	479	479	0	%100
72	M52	Z	0	0	0	%100
73	M53	X	479	479	0	%100
74	M53	Z	0	0	0	%100
75	POS.4C	X	4	4	0	%100 %100
	POS.4C	Z	0	0	0	%100 %100
76						
77	MP2C	X	4	4	0	%100
78	MP2C	Z	0	0	0	%100
79	MP4C	X	4	4	0	%100
80	MP4C	Z	0	0	0	%100
81	M63	X	0	0	0	%100
82	M63	Z	0	0	0	%100
83	M64	X	0	0	0	%100
84	M64	Z	0	0	0	%100
85	M67	X	527	527	0	%100
86	M67	Z	0	0	0	%100
87	M68	X	527	527	0	%100 %100
88	M68	Z	0	0	0	%100 %100
89	MP5B	X	381	381	0	%100 %100
		^				
90	MP5B	Z	0	0	0	%100
91	POS.5B	X	381	381	0	%100
92	POS.5B	Z	0	0	0	%100
93	M71	X	362	362	0	%100
94	M71	Z	0	0	0	%100
95	MP3B	X	381	381	0	%100
96	MP3B	Z	0	0	0	%100
97	MP1B	X	381	381	0	%100 %100
98	MP1B	Z	0	0	0	%100 %100
JU	IVII TO	_	0	<u> </u>	J	/0100



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

	ber bistributed Lot	<u> </u>		1 3// 1 -		
	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft	Start Location[ft %]	End Location[ft,%]
99	M74	X	407	407	0	%100
100	M74	Z	0	0	0	%100 %100
				-		
101	M75	X	436	436	0	%100
102	M75	Z	0	0	0	%100
103	M76	X	000122	000122	0	%100
104	M76	Z	0	0	0	%100
105	M77	X	407	407	0	%100
106	M77	Z	0	0	0	%100
107	M78	X	436	436	0	%100
108	M78	Z	0	0	0	%100 %100
109	M79		000122			
		X		000122	0	%100
110	M79	Z	0	0	0	%100
111	OVPB	X	385	385	0	%100
112	OVPB	Z	0	0	0	%100
113	M85	X	479	479	0	%100
114	M85	Z	0	0	0	%100
115	M86	X	479	479	0	%100
116	M86	Z	0	0	0	%100
117	POS.4B	X	4	4	0	%100 %100
118		Z	4	4	0	%100 %100
	POS.4B			-	-	
119	MP2B	X	4	4	0	%100
120	MP2B	Z	0	0	0	%100
121	MP4B	X	4	4	0	%100
122	MP4B	Z	0	0	0	%100
123	M96	X	786	786	0	%100
124	M96	Z	0	0	0	%100
125	M97	X	786	786	0	%100
126	M97	Z	0	0	0	%100 %100
127	M113A	X	284	284	0	%100 %100
		Z				
128	M113A		0	0	0	%100
129	M114	X	016	016	0	%100
130	M114	Z	0	0	0	%100
131	M115	X	016	016	0	%100
132	M115	Z	0	0	0	%100
133	M124A	X	016	016	0	%100
134	M124A	Z	0	0	0	%100
135	M125A	X	016	016	0	%100
136	M125A	Z	0	0	0	%100
137	M113B	X	182	182	0	%100
138	M113B	Z	0	0	0	%100 %100
139	M114A	X	287	287	0	%100 %100
	M114A M114A					
140		Z	0	0	0	%100 %400
141	M115A	X	012	012	0	%100 %400
142	M115A	Z	0	0	0	%100
143	M116B	X	021	021	0	%100
144	M116B	Z	0	0	0	%100
145	M117B	X	021	021	0	%100
146	M117B	Z	0	0	0	%100
147	M118B	X	021	021	0	%100
148	M118B	Z	0	0	0	%100
149	M119B	X	021	021	0	%100 %100
150	M119B M119B	Z	021	021	0	%100 %100
			· · · · · · · · · · · · · · · · · · ·	-		
151	M120B	X	084	084	0	%100
152	M120B	Z	0	0	0	%100
153	M121B	X	084	084	0	%100
154	M121B	Z	0	0	0	%100
155	M126A	X	0	0	0	%100
156	M126A	Z	0	0	0	%100
157	M130	X	3	3	0	%100
.01	111100	^			· · ·	70100



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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
158	M130	Z	0	0	0	%100
159	M135	X	3	3	0	%100
160	M135	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,	Start Location[ft,%]	End Location[ft,%]
1	M109	X	152	152	0	%100
2	M109	Z	088	088	0	%100
3	M110	X	152	152	0	%100
4	M110	Z	088	088	0	%100
5	MP5A	Х	33	33	0	%100
6	MP5A	Z	19	19	0	%100
7	POS.5A	Х	33	33	0	%100
8	POS.5A	Z	19	19	0	%100
9	M113	X	313	313	0	%100
10	M113	Z	181	181	0	%100
11	MP3A	X	33	33	0	%100
12	MP3A	Z	19	19	0	%100
13	MP1A	X	33	33	0	%100
14	MP1A	Z	19	19	0	%100
15	M116	X	478	478	0	%100
16	M116	Z	276	276	0	%100
17	M117	X	126	126	0	%100
18	M117	Z	073	073	0	%100 %100
19	M118	X	126	126	0	%100 %100
20	M118	Z	073	073	0	%100 %100
21	M119	X	478	478	0	%100 %100
22	M119	Z	276	276	0	%100 %100
23	M120	X	126	126	0	%100 %100
24	M120	Z	073	073	0	%100 %100
25	M121	X	126	126	0	%100 %100
26	M121	Z	073	073	0	%100 %100
27	OVPA	X	334	334	0	%100 %100
28	OVPA	Z	193	193	0	%100 %100
29	M127	X	415	415	0	%100 %100
30	M127	Z	239	239	0	%100 %100
31	M128	X	415	415	0	%100 %100
32	M128	Z	239	239	0	%100 %100
33	POS.4A	X	347	347	0	%100 %100
34	POS.4A	Z	2	2	0	%100 %100
35	MP2A	X	347	347	0	%100 %100
36	MP2A	Z	347	2	0	%100 %100
37	MP4A	X	347	347	0	%100 %100
38	MP4A	Z	2	2	0	%100 %100
	M30B					%100 %100
39 40		X Z	907 524	907 524	0	%100 %100
41	M30B M31B	X		524 907		
	M31B		907		0	%100 %100
42	M31B	Z	524	524	0	%100 %100
43	M34	X Z	152	152	0	%100 %100
44	M34		088	088	0	%100 %400
45	M35	X	152	152	0	%100 %100
46	M35	Z	088	088	0	%100 %400
47	MP5C	X	33	33	0	%100 %400
48	MP5C	Z	19	19	0	%100 %400
49	POS.5C	X	33	33	0	%100 %400
50	POS.5C	Z	19	19	0	%100
51	M38	X	313	313	0	%100
52	M38	Z	181	181	0	%100



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

	bei bistributeu Lot			3// (,	
	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
53	MP3C	Χ	33	33	0	%100
54	MP3C	Z	19	19	0	%100
55	MP1C	X	33	33	0	%100
56	MP1C	Z	19	19	0	%100
57	M41	X	126	126	0	%100 %100
58	M41	Z	073	073	0	%100 %100
59	M42	X	126	126	0	%100
60	M42	Z	073	073	0	%100
61	M43	X	478	478	0	%100
62	M43	Z	276	276	0	%100
63	M44	X	126	126	0	%100
64	M44	Z	073	073	0	%100
65	M45	Χ	126	126	0	%100
66	M45	Z	073	073	0	%100
67	M46	X	478	478	0	%100
68	M46	Z	276	276	0	%100
69	OVPC	X	334	334	0	%100
70	OVPC	Z	193	193	0	%100
71	M52	X	415	415	0	%100 %100
72	M52	Z	239	239	0	%100 %100
	M53		415	415	0	%100 %100
73 74	M53	Z Z	415	415	0	%100 %100
75	POS.4C	X	347	347	0	%100
76	POS.4C	Z	2	2	0	%100
77	MP2C	X	347	347	0	%100
78	MP2C	Z	2	2	0	%100
79	MP4C	X	347	347	0	%100
80	MP4C	Z	2	2	0	%100
81	M63	X	227	227	0	%100
82	M63	Z	131	131	0	%100
83	M64	Χ	227	227	0	%100
84	M64	Z	131	131	0	%100
85	M67	X	608	608	0	%100
86	M67	Z	351	351	0	%100
87	M68	X	608	608	0	%100
88	M68	Z	351	351	0	%100
89	MP5B	X	33	33	0	%100
90	MP5B	Z	19	19	0	%100
91	POS.5B	X	33	33	0	%100 %100
92	POS.5B	Z	19	19	0	%100 %100
93	M71	X	313	313	0	%100 %100
94	M71	Z	181	181	0	%100 %100
95	MP3B	X	101	101	0	%100 %100
		Z		33		
96	MP3B		19	19	0	%100 %400
97	MP1B	X	33	33	0	%100 %400
98	MP1B	Z	19	19	0	%100
99	M74	X	113	113	0	%100
100	M74	Z	065	065	0	%100
101	M75	X	503	503	0	%100
102	M75	Z	29	29	0	%100
103	M76	X	113	113	0	%100
104	M76	Z	065	065	0	%100
105	M77	X	113	113	0	%100
106	M77	Z	065	065	0	%100
107	M78	X	503	503	0	%100
108	M78	Z	29	29	0	%100
109	M79	X	113	113	0	%100
110	M79	Z	065	065	0	%100 %100
111	OVPB	X	334	334	0	%100 %100
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Member Distributed Loads (BLC 75 : Structure Wm (300 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
112	OVPB	Z	193	193	0	%100
113	M85	X	415	415	0	%100
114	M85	Z	239	239	0	%100
115	M86	X	415	415	0	%100
116	M86	Z	239	239	0	%100
117	POS.4B	X	347	347	0	%100
118	POS.4B	Z	2	2	0	%100
119	MP2B	X	347	347	0	%100
120	MP2B	Z	2	2	0	%100
121	MP4B	X	347	347	0	%100
122	MP4B	Z	2	2	0	%100
123	M96	X	227	227	0	%100
124	M96	Z	131	131	0	%100
125	M97	X	227	227	0	%100
126	M97	Z	131	131	0	%100
127	M113A	X	246	246	0	%100
128	M113A	Z	142	142	0	%100
129	M114	X	0	0	0	%100
130	M114	Z	0	0	0	%100
131	M115	X	0	0	0	%100
132	M115	Z	0	0	0	%100
133	M124A	X	0	0	0	%100
134	M124A	Z	0	0	0	%100
135	M125A	X	0	0	0	%100
136	M125A	Z	0	0	0	%100
137	M113B	X	029	029	0	%100
138	M113B	Z	017	017	0	%100
139	M114A	X	267	267	0	%100
140	M114A	Z	154	154	0	%100
141	M115A	X	12	12	0	%100
142	M115A	Z	069	069	0	%100
143	M116B	X	0	0	0	%100
144	M116B	Z	0	0	0	%100
145	M117B	X	0	0	0	%100
146	M117B	Z	0	0	0	%100
147	M118B	X	055	055	0	%100
148	M118B	Z	032	032	0	%100 %100
149	M119B	X	055	055	0	%100
150	M119B	Z	032	032	0	%100
151	M120B	X	055	055	0	%100
152	M120B	Z	032	032	0	%100 %100
153	M121B	X	055	055	0	%100 %100
154	M121B	Z	032	032	0	%100 %100
155	M126A	X	087	087	0	%100 %100
156	M126A	Z	05	05	0	%100 %100
157	M130	X	087	087	0	%100 %100
158	M130	Z	05	05	0	%100 %100
159	M135		347	347	0	%100 %100
160	M135	X Z	2	2	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,	.End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
1	M109	X	263	263	0	%100
2	M109	Z	456	456	0	%100
3	M110	X	263	263	0	%100
4	M110	Z	456	456	0	%100
5	MP5A	X	19	19	0	%100
6	MP5A	Z	33	33	0	%100



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

		•		/ (000 Beg)) (0.		
	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
7	POS.5A	X	19	19	0	%100
8	POS.5A	Z	33	33	0	%100
9	M113	X	181	181	0	%100
10	M113	Z	313	313	0	%100
11	MP3A	X	19	19	0	%100 %100
12	MP3A	Z	33	33	0	%100 %100
13	MP1A	X	19	19	0	%100 %100
14	MP1A	Z	33	33	0	%100
15	M116	X	203	203	0	%100
16	M116	Z	352	352	0	%100
17	M117	X	218	218	0	%100
18	M117	Z	377	377	0	%100
19	M118	X	-6.1e-5	-6.1e-5	0	%100
20	M118	Z	000106	000106	0	%100
21	M119	X	203	203	0	%100
22	M119	Z	352	352	0	%100
23	M120	X	218	218	0	%100
24	M120	Z	377	377	0	%100 %100
25	M121	X	-6.1e-5	-6.1e-5	0	%100 %100
26	M121	Z	000106	000106	0	%100 %100
					-	
27	OVPA	X Z	193	193	0	%100 %400
28	OVPA		334	334	0	%100
29	M127	X	239	239	0	%100
30	M127	Z	415	415	0	%100
31	M128	X	239	239	0	%100
32	M128	Z	415	415	0	%100
33	POS.4A	X	2	2	0	%100
34	POS.4A	Z	347	347	0	%100
35	MP2A	X	2	2	0	%100
36	MP2A	Z	347	347	0	%100
37	MP4A	X	2	2	0	%100
38	MP4A	Z	347	347	0	%100
39	M30B	X	393	393	0	%100 %100
40	M30B	Z	68	68	0	%100 %100
41	M31B	X	393	393	0	%100 %100
42	M31B	Z	68	68	0	%100 %100
43	M34		06	0	0	%100 %100
		X Z				
44	M34		0	0	0	%100 %400
45	M35	X	0	0	0	%100
46	M35	Z	0	0	0	%100
47	MP5C	X	19	19	0	%100
48	MP5C	Z	33	33	0	%100
49	POS.5C	X	19	19	0	%100
50	POS.5C	Z	33	33	0	%100
51	M38	X	181	181	0	%100
52	M38	Z	313	313	0	%100
53	MP3C	X	19	19	0	%100
54	MP3C	Z	33	33	0	%100
55	MP1C	X	19	19	0	%100
56	MP1C	Z	33	33	0	%100
57	M41	X	211	211	0	%100 %100
58	M41	Z	365	365	0	%100 %100
59	M42	X	365	363	0	%100 %100
				0		
60	M42	Z	0		0	%100
61	M43	X	211	211	0	%100
62	M43	Z	365	365	0	%100
63	M44	X	211	211	0	%100
64	M44	Z	365	365	0	%100
65	M45	X	0	0	0	%100



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

			. Otractare Win			
00	Member Label	Direction		End Magnitude[lb/ft,		End Location[ft,%]
66	M45	Z	0	0	0	%100
67	M46	X	211	211	0	%100
68	M46	Z	365	365	0	%100
69	OVPC	X	193	193	0	%100
70	OVPC	Z	334	334	0	%100
71	M52	X	239	239	0	%100
72	M52	Z	415	415	0	%100
73	M53	X	239	239	0	%100
74	M53	Z	415	415	0	%100
75	POS.4C	X	2	2	0	%100
76	POS.4C	Z	347	347	0	%100
77	MP2C	X	2	2	0	%100
78	MP2C	Z	347	347	0	%100
79	MP4C	X	2	2	0	%100 %100
80	MP4C	Z	347	347	0	%100 %100
81	M63	X	393	393	0	%100 %100
82	M63	Z	68	68	0	%100 %100
83	M64	X	393	393	0	%100 %100
		Z				
84	M64		68	68	0	%100 %100
85	M67	X	263	263	0	%100 %400
86	M67	Z	456	456	0	%100
87	M68	X	263	263	0	%100
88	M68	Z	456	456	0	%100
89	MP5B	X	19	19	0	%100
90	MP5B	Z	33	33	0	%100
91	POS.5B	X	19	19	0	%100
92	POS.5B	Z	33	33	0	%100
93	M71	X	181	181	0	%100
94	M71	Z	313	313	0	%100
95	MP3B	X	19	19	0	%100
96	MP3B	Z	33	33	0	%100
97	MP1B	X	19	19	0	%100
98	MP1B	Z	33	33	0	%100
99	M74	X	-6.1e-5	-6.1e-5	0	%100
100	M74	Z	000106	000106	0	%100
101	M75	X	218	218	0	%100
102	M75	Z	377	377	0	%100
103	M76	X	203	203	0	%100
104	M76	Z	352	352	0	%100 %100
105	M77	X	-6.1e-5	-6.1e-5	0	%100 %100
106	M77	Z	000106	000106	0	%100 %100
107	M78	X	218	218	0	%100 %100
107	M78	Z	216	377	0	%100 %100
108		X	203	203		
	M79				0	%100 %400
110	M79	Z	352	352	0	%100 %100
111	OVPB	X	193	193	0	%100 %400
112	OVPB	Z	334	334	0	%100
113	M85	X	239	239	0	%100
114	M85	Z	415	415	0	%100
115	M86	X	239	239	0	%100
116	M86	Z	415	415	0	%100
117	POS.4B	X	2	2	0	%100
118	POS.4B	Z	347	347	0	%100
119	MP2B	X	2	2	0	%100
120	MP2B	Z	347	347	0	%100
121	MP4B	X	2	2	0	%100
122	MP4B	Z	347	347	0	%100
123	M96	X	0	0	0	%100
124	M96	Z	0	0	0	%100
127	11100	_	, , , , , , , , , , , , , , , , , , ,	· · · · · ·	9	70100



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

	Member Label	Direction	Start Magnitude[lb/ft,	End Magnitude[lb/ft,	Start Location[ft,%]	End Location[ft,%]
125	M97	X	0	0	0	%100
126	M97	Z	0	0	0	%100
127	M113A	X	142	142	0	%100
128	M113A	Z	246	246	0	%100
129	M114	X	008	008	0	%100
130	M114	Z	014	014	0	%100
131	M115	Χ	008	008	0	%100
132	M115	Z	014	014	0	%100
133	M124A	X	008	008	0	%100
134	M124A	Z	014	014	0	%100
135	M125A	X	008	008	0	%100
136	M125A	Z	014	014	0	%100
137	M113B	X	006	006	0	%100
138	M113B	Z	01	01	0	%100
139	M114A	X	091	091	0	%100
140	M114A	Z	157	157	0	%100
141	M115A	X	143	143	0	%100
142	M115A	Z	249	249	0	%100
143	M116B	X	011	011	0	%100
144	M116B	Z	018	018	0	%100
145	M117B	X	011	011	0	%100
146	M117B	Z	018	018	0	%100
147	M118B	X	042	042	0	%100
148	M118B	Z	073	073	0	%100
149	M119B	X	042	042	0	%100
150	M119B	Z	073	073	0	%100
151	M120B	X	011	011	0	%100
152	M120B	Z	018	018	0	%100
153	M121B	X	011	011	0	%100
154	M121B	Z	018	018	0	%100
155	M126A	X	15	15	0	%100
156	M126A	Z	26	26	0	%100
157	M130	X	0	0	0	%100
158	M130	Z	0	0	0	%100
159	M135	X	15	15	0	%100
160	M135	Z	26	26	0	%100

Member Area Loads

Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
		N	o Data to Prin	t		

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	N62	max	1341.097	7	883.967	18	3760.708	2	0	75	0	75	Õ	75
2		min	-1274.094	1	193.757	75	-1765.017	8	0	1	0	1	0	1
3	N63	max	1602.813	19	942.43	20	1291.482	2	0	75	0	75	0	75
4		min	-265.145	1	215.838	64	-2625.699	8	0	1	0	1	0	1
5	N61A	max	917.399	12	1213.581	23	1954.159	12	0	75	0	75	0	75
6		min	-3039.444	6	350.899	67	-2634.585	6	0	1	0	1	0	1
7	N62A	max	1701.931	12	1283.466	24	2555.676	12	0	75	0	75	0	75
8		min	-1200.594	6	380.441	68	-546.721	6	0	1	0	1	0	1
9	N63A	max	4059.67	10	1251.237	14	1.333	7	0	75	0	75	0	75
10		min	-1661.872	4	44.42	44	-1620.755	24	0	1	0	1	0	1
11	N64	max	938.978	10	1328.271	16	177.93	5	0	75	0	75	0	75
12		min	-2975.492	4	128.052	34	-817.96	11	0	1	0	1	0	1
13	N196B	max	288.01	3	26.176	21	352.722	3	0	75	0	75	0	75



Envelope Joint Reactions (Continued)

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
14		min	-284.51	9	6.879	66	-353.817	9	0	1	0	1	0	1
15	N197B	max	493.801	12	26.49	13	83.811	6	0	75	0	75	0	75
16		min	-495.126	6	6.597	70	-80.316	12	0	1	0	1	0	1
17	N198B	max	154.87	11	26.177	17	403.282	5	0	75	0	75	0	75
18		min	-157.181	5	6.88	74	-405.879	11	0	1	0	1	0	1
19	Totals:	max	4416.293	10	6881.566	19	4610.479	1						
20		min	-4416.38	4	2019.634	70	-4610.483	7						

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

	Member	Shape	Code C	. Loc[ft]	LC	Shear	Loc[ft]	Dir	· LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y	.phi*Mn z	Cb	Egn
1	M34	L2.5x2.5x3	.842	7.396	2	.166	3.821	у	14	2345.212	29192.4	.873	1.333	1	H2-1
2	M67	L2.5x2.5x3	.840	4.438	10	.166	3.821	У	22	2345.212	29192.4	.873	1.311	1	H2-1
3	M75	L3X2X3	.838	.813	10	.170	.813	z	10	25212.859	29710.8	.625	1.754	1	H2-1
4	M109	L2.5x2.5x3	.825	7.396	6	.169	3.821	٧	18	2345.212	29192.4	.873	1.357	1	H2-1
5	M117	L3X2X3	.825	.813	44	.148	.813	z	6	25212.859	29710.8	.625	1.8	1	H2-1
6	M68	L2.5x2.5x3	.762	4.438	5	.175	7.396	z	18	2345.212	29192.4	.873	1.534	2	H2-1
7	M42	L3X2X3	.753	.812	14	.153	.812	z	2	25212.859	29710.8	.625	1.776	1	H2-1
8	M64	L4X4X4	.734	4.281	16	.290	4.281	z	16	34314.958	62532	3.138	5.755	1	H2-1
9	M110	L2.5x2.5x3	.728	4.438	7	.165	4.438	z	44	2345.212	29192.4	.873	1.536	2	H2-1
10	M97	L4X4X4	.725	4.281	24	.287	4.281	z	24	34314.958	62532	3.138	5.73	1	H2-1
11	M76	L3X2X3	.722	0	10	.098	1.24	z	10	26137.212	29710.8	.641	1.924	2	H2-1
12	M43	L3X2X3	.713	0	2	.093	1.24	z	2	26137.212	29710.8	.641	1.924	2	H2-1
13	M96	L4X4X4	.712	1.596	7	.323	1.596	v	21	34314.958	62532	3.138	6.052	1	H2-1
14	M35	L2.5x2.5x3	.706	7.396	2	.161	3.821		20	2345.212	29192.4	.873	1.423	1	H2-1
15	M127	L2x2x4	.682	0	45	.060	0	z	45		30585.6	.691	1.577	2	H2-1
16	M118	L3X2X3	.674	0	6	.089	1.24	z	6	26137.212	29710.8	.641	1.924	2	H2-1
17	M30B	L4X4X4	.645	1.596	3	.247	1.596	v	17	34314.958	62532	3.138	6.01	1	H2-1
18	M119B	PL1/2X6	.640	0	17	.693	.5	v	18	88748.021	97200	1.012	12.15	1	H1-1b
19	M86	L2x2x4	.634	2.688	19	.053	2.688	v	19		30585.6	.691	1.577	2	H2-1
20	M63	L4X4X4	.631	1.524	12	.335	1.596	v	13	34314.958	62532	3.138	6.038	1	H2-1
21	M128	L2x2x4	.600	2.688		.054	2.688	v	27	21219.975		.691	1.577	2	H2-1
22	M31B	L4X4X4	.588	4.281		.208	4.281	z	20	34314.958	62532	3.138	5.678	1	H2-1
23	M74	L3X2X3	.587	1.24	5	.075	1.24	z	11	26137.212	29710.8	.641	1.699	1	H2-1
24	M118B	PL1/2X6	.587	0	23	.763	0	v	21	88748.021	97200	1.012	12.15	1	H1-1b
25	M120	L3X2X3	.584	.813	38	.103	.813	z	37	25212.859	29710.8	.641	1.924	1	H2-1
26	M121B	PL1/2X6	.564	0	21	.506	.5	٧	22	88748.021	97200	1.012	12.15	1	H1-1b
27	M117B	PL1/2X6	.562	0	13	.581	.5	v	26	88748.021	97200	1.012	12.15	1	H1-1b
28	M116	L3X2X3	.547	1.24	7	.072	1.24	z	7	26137.212	29710.8	.641	1.924	2	H2-1
29	M53	L2x2x4	.547	2.688	23	.048	2.688	v	23	21219.975	30585.6	.691	1.577	2	H2-1
30	M41	L3X2X3	.546	1.24	9	.068	1.24	z	3	26137.212	29710.8	.641	1.691	1	H2-1
31	M78	L3X2X3	.537	.813	18	.093	.813	z	16	25212.859	29710.8	.641	1.924	1	H2-1
32	M116B	PL1/2X6	.512	0	19	.686	0	v	29	88748.021	97200	1.012	12.15	1	H1-1b
33	M120B	PL1/2X6	.511	0	15	.585	0	v	13	88748.021	97200	1.012	12.15	1	H1-1b
34	M85	L2x2x4	.508	0	13	.037	0	z		21219.975		.691	1.577	2	H2-1
35	M79	L3X2X3	.496	0	21	.058	0	z	4		29710.8	.641	1.924	1	H2-1
36	M45	L3X2X3	.479	.812	22	.087	.812	z	20	25212.859		.641	1.924	1	H2-1
37	M46	L3X2X3	.445	1.24	8	.056	0	z	8	26137.212		.641	1.877	2	H2-1
38	M52	L2x2x4	.433	0	18	.034	0	z		21219.975		.691	1.577	2	H2-1
39	M119	L3X2X3	.428	1.24	38	.064	1.24	V		26137.212		.641	1.924	1	H2-1
40	M121	L3X2X3	.421	1.24	12	.054	0	z			29710.8	.641	1.877	2	H2-1
41	M77	L3X2X3	.405	1.24	24	.044	1.24	У	_	26137.212	29710.8	.641	1.924	1	H2-1
42	POS.5A	PIPE 2.0	.374	4.417	41	.129	4.417	_	39	29106.856	32130	1.872	1.872	2	H1-1b
43	OVPB	PIPE 2.5	.364	3.333		.180	0		22	46307.044	50715	3.596	3.596	2	H1-1b
44	M44	L3X2X3	.355	1.24	16	.037	1.24	v	_	26137.212	29710.8	.641	1.924	1	H2-1
45	OVPA	PIPE 2.5	.312	3.333		.240	0	,	44		50715	3.596	3.596	2	H1-1b
46	OVPC	PIPE 2.5	.312	3.333		.176	0		13	46307.044	50715	3.596	3.596	2	H1-1b
47	МР3В	PIPE 2.0	.283	1.748		.115	1.748		5	29106.856	32130	1.872	1.872	1	H1-1b



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

	Member	Shape	Code C	. Loc[ft]	LC	Shear	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y	.phi*Mn z	Cb E	Egn
48	M126A	PIPE_2.0	.267	4.167	48	.100	4.167		7	6295.422	32130	1.872	1.872	2 H'	1-1b
49	M130	PIPE 2.0	.259	8.333	7	.085	4.167		3	6295.422	32130	1.872	1.872	1 H	1-1b
50	M135	PIPE_2.0	.255	8.333	3	.095	4.167		11	6295.422	32130	1.872	1.872	1 H	1-1b
51	MP3C	PIPE 2.0	.227	1.748	22	.094	3.543		15	29106.856	32130	1.872	1.872	1 H	1-1b
52	MP3A	PIPE 2.0	.222	4.417	19	.102	1.748		1	29106.856	32130	1.872	1.872	2 H	1-1b
53	MP1C	PIPE 2.0	.216	3.497	8	.109	3.497		7	25429.379	32130	1.872	1.872		1-1b
54	MP5B	PIPE 2.0	.215	3.497	4	.109	1.748		4	25429.379	32130	1.872	1.872	2 H	1-1b
55	MP1A	PIPE 2.0	.213	3.497	12	.103	3.497		12	25429.379	32130	1.872	1.872		1-1b
56	MP1B	PIPE 2.0	.210	3.497	4	.109	3.497		3	25429.379	32130	1.872	1.872	2 H	1-1b
57	MP5C	PIPE 2.0	.207	3.497	8	.098	1.748		8	25429.379	32130	1.872	1.872	2 H	1-1b
58	MP5A	PIPE 2.0	.207	3.497	12	.097	3.497		1	25429.379	32130	1.872	1.872	2 H	1-1b
59	POS.5C	PIPE 2.0	.180	4.417	13	.096	1.748		8	29106.856	32130	1.872	1.872	2 H	1-1b
60	POS.5B	PIPE_2.0	.176	4.417	21	.094	1.748		11	29106.856	32130	1.872	1.872	2 H	1-1b
61	MP4A	PIPE 2.0	.116	1.75	7	.105	1.75		7	20866.733	32130	1.872	1.872	1 H	1-1b
62	MP4C	PIPE_2.0	.105	1.75	9	.086	1.75		2	20866.733	32130	1.872	1.872	1 H	1-1b
63	MP4B	PIPE 2.0	.104	1.75	5	.097	1.75		11	20866.733	32130	1.872	1.872	1 H	1-1b
64	M71	PIPE 2.0	.073	3.917	1	.045	3.917		7	29727.747	32130	1.872	1.872	2 H	1-1b
65	M115A	PIPE 1.5	.061	3.621	7	.004	7.241		19	8766.876	23593.5	1.105	1.105	1 H	1-1b
66	M113B	PIPE 1.5	.060	3.621	3	.004	7.241		21	8766.876	23593.5	1.105	1.105	1 H	1-1b
67	M114A	PIPE 1.5	.059	3.621	11	.004	0		23	8766.876	23593.5	1.105	1.105	1 H	1-1b
68	M113	PIPE 2.0	.056	3.917	33	.059	3.917		45	29727.747	32130	1.872	1.872	2 H	1-1b
69	M38	PIPE 2.0	.055	3.917	6	.038	3.917		11	29727.747	32130	1.872	1.872	2 H'	1-1b
70	MP2A	PIPE_2.0	.028	3.063	7	.055	4.375		6	20866.733	32130	1.872	1.872	1 H	1-1b
71	MP2C	PIPE_2.0	.025	3.063	9	.059	4.375		2	20866.733	32130	1.872	1.872	4 H	1-1b
72	M124A	SR_0.625_H	.025	0	17	.017	0		17	9742.243	9946.8	.097	.097	1 H	1-1b
73	M125A	SR_0.625_H	.025	0	17	.017	0		17	9742.243	9946.8	.097	.097	1 H	1-1b
74	MP2B	PIPE_2.0	.025	3.063	4	.054	4.375		10	20866.733	32130	1.872	1.872	2 H	1-1b
75	M114	SR_0.625_H	.016	0	11	.011	0		11	9742.243	9946.8	.097	.097	1 H'	1-1b
76	M115	SR_0.625_H	.016	.25	11	.011	.25		11	9742.243	9946.8	.097	.097	1 H	1-1b
77	POS.4B	PIPE 2.0	.009	3.75	11	.013	3.75		7	20866.733	32130	1.872	1.872	1 H	1-1b
78	POS.4A	PIPE 2.0	.009	3.75	7	.015	3.75		45	20866.733	32130	1.872	1.872	1 H	1-1b
79	POS.4C	PIPE 2.0	.009	3.75	3	.010	3.75		11	20866.733	32130	1.872	1.872	1 H	1-1b
80	M113A	PIPE 1.5	.005	1.594	5	.005	1.594		9	19913.659	23593.5	1.105	1.105	1 H	1-1b



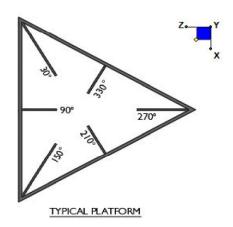
Client:	Verizon Wireless	Date:	1/17/2022
Site Name:	HAMDEN 2 CT		
Project No.	21781138A		
Title:	Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

Nodes (labeled per RISA)	Orientation (per graphic of typical platform)
N61A	30
N62A	30
N62	150
N63	150
N63A	270
N64	270



Tower Connection Bolt Checks

Any moment resistance?:

Bolt Quantity per Reaction:

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

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

Bolt Type:

Bolt Diameter (in):

Required Tensile Strength (kips):

Required Shear Strength (kips):

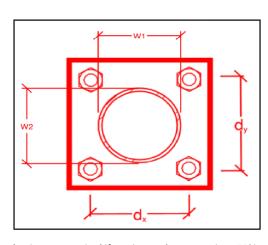
Tensile Strength / bolt (kips):

Shear Strength / bolt (kips):

Tensile Capacity Overall:

Shear Capacity Overall:

	no
	1
	2.75
	0
	U-Bolt
	0.625
	1.7
	4.1
	25.5
ſ	15.3
	6.6%*
	26.7%



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



Maser Consulting Connecticut

Subject 468261-VZW / HAMDEN 2 CT

Site Information

HAMDEN 2 CT Verizon Wireless Sacred Heart Convent Hamden, Connecticut 06514 New Haven County 41.370194°

Structure Information

68-Ft Guyed Tower on 33.66-Ft Rooftop 11.83-Ft Sector Frame

-72.931500°

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. 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 maps 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 methods, seismic analysis, 30-degree increment wind directions 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,

Derek Hartzell Technical Specialist



MOUNT MODIFICATION DRAWINGS **EXISTING 11.83' SECTOR FRAME**

Verizon

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TOWER OWNER SITE NUMBER: N/A TOWER OWNER: N/A

CARRIER SITE NAME: HAMDEN 2 CT CARRIER SITE NUMBER: 468261 FUZE ID: 16486467

SACRED HEART CONVENT **NEW HAVEN COUNTY HAMDEN, CT 06514**

LONGITUDE: 72.931500° W LATITUDE: 41.370194° N

SACRED HEART CONVENT HAMDEN, CT 06514 NEW HAVEN COUNTY HAMDEN 2 CT 468261 SITE NAME: TITLE SHEET Colliers Engineering & Design SHEET INDEX SBOH-I BILL OF MATERIALS SGN-I GENERAL NOTES SCF-I CLIMBING FACILITY DETAIL SS-I MODIFICATION DETAILS SS-2 MOUNT PHOTOS SPECIFICATION SHEETS

COLLIERS ENGINEERING & DESIGN
PETER ALBANO
885,379,012
PETER ALBANO@COLLIERSENGINEERING.COM
PETER ALBANO@COLLIERSENGINEERING.COM

VERIZON WIRELESS

PROJECT MANAGER

CLIENT REPRESENTATIVE

DESIGN CRITERIA

PROJECT INFORMATION

APPLICANT/LESSEE

ICE LOADS

ICE WIND SPEED (3 SECOND GUST), V = 50 MPH ICE THICKNESS = 1.00 IN SEISMIC DESIGN CATEGORY B SHORT TERM MCER GROUND MOTION, S_S = .201 LONG TERM MCER GROUND MOTION, S_I = .054

BASIC WIND SPEED (3 SECOND GUST), V = 119 MPH
EXPOSURE CATEGORY B
TOPOGRAPHIC CATEGORY 1
MEAN BASE ELEVATION (AMS1) = 258.18° SEISMIC LOADS PMI LOCATION: SMART TOOL PROJECT #: VZW LOCATION CODE (PSLC): ANALYSIS DATE:

HTTPSJ/PMI.VZWSMART.COM 10127756 468261 1/24/2022

ST-I

COLLIERS ENGINEERING & DESIGN ALL RIGHTS RESERVED

			WEIGHT (LBS.)	138	168						WEIGHT (LBS.)						
			UNIT WEIGHT (LBS.)	94	4						UNIT WEIGHT (LBS.)						
BILL OF MATERIALS	Valley I all of the very training in the very train	SECTION I - VZWSMART KITS	NOTES							SECTION 2 - OTHER REQUIRED PARTS	NOTES						
IIB	200	SECT	DESCRIPTION	150" LONG, PIPE 2 STD (2.375"OD X 0.154" THK)	CROSSOVER PLATE					SECTION	DESCRIPTION						
			PART NUMBER	VZWSMART-P40-238X150	VZWSMART-MSKI						PART NUMBER						
			MANUFACTURER				VZWSMART				MANUFACTURER						
			QUANTITY	3	2						QUANTITY						

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verizon

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EMAIL	SALVADOR, ANGUIANO @COMMSCOPE COM
WEBSITE	WWW.COMMSCOPE.COM
	METROSITE FABRICATORS, LLC
CONTACT	KENT RAMEY
PHONE	(706) 335-7045 (O), (706) 982-9788 (M)
EMAIL	KENT@METROSITELLC.COM
WEBSITE	METROSITEFABRICATORS.COM
	PERFECTVISION
CONTACT	WIRELESS SALES
PHONE	(844) 887-6723
EMAIL	WWW.PERFECT-VISION.COM
WEBSITE	WIRELESSSALES@PERFECT-VISION.COM
	SABRE INDUSTRIES, INC.
CONTACT	ANGIE WELCH
PHONE	(866) 428-6937
EMAIL	AKWELCH@SABREINDUSTRIES.COM
WEBSITE	WWW.SABRESITESOLUTIONS.COM
	SITE PRO 1
CONTACT	PAULA BOSWELL
PHONE	(972) 236-9843
EMAIL	PAULA.BOSWELL@VALMONT.COM
WEBSITE	WWW.SITEPROL.COM

VZWSMART KITS - APPROVED VENDORS NEWAVE CONTACT

DAVID STANSBERRY
(615) 535-0990 (O), (615) 631-2520 (M)
DLS@BETTERMETALCOM
WWW.BETTERMETALCOM NEWAVE SALES TEAM
(971) 239-4762
SALES@NEWAVETC.COM
WWW.NEWAVETC.COM
BETTER METAL, LLC CONTACT PHONE EMAIL WEBSITE PHONE EMAIL WEBSITE

306

SITE NAME:

I. THE MANUFACTURERS LISTED ARE THE APPROVED VENDORS FOR THE VZW MOUNT KITS. REACH MANUFACTURER WILL BE AWARE GO WHICH KITS HAVE BEEN THROUGH THE YZW APROVAL, PROCESS AND THEY ARE IN TURN APPROVED TO SELL. PLEASE NOTE THAT THE MATERIAL UTILIZED ON THE MOUNT MODIFICATIONS WILL BR REVIEWED AS A PART OF THE DESKTOP PHI COMPLETED BY THE SMART TOOL VENDOR. IT WILL BE REQUIRED THAT THE VZW KITS SPECIFIED ARE UTILIZED IN THE MODIFICATIONS.

NOTES:

ALL MATERIALS REQUIRED FOR THE DESIGNED MODIFICATIONS BUT NOT LISTED IN THIS SHEET ARE ASSUMED TO BE PROVIDED BY THE CONTRACTOR. 5

SACRED HEART CONVENT HAMDEN, CT 06514 NEW HAVEN COUNTY

HAMDEN 2 CT 468261

Colliers Engineering & Design

BILL OF MATERIALS

SBOM-I

- SEE MODIFICATION NOTES
- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITY COMPANIES OR OTHER PUBLIC/GOVERNING AUTHORITIES.
- THE CONTRACTOR SHALL BE REPONSIBLE FOR OBTAINING ALL PERMITS AND INSECTIONS THAT TMY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR MUNICIPAL AUTHORITIES.
- THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER, IN WRITING, OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BIDS OR PERFORMANCE OF WORK,
- THE CONTRACTOR SHALL BE RESOURIBLE FOR PROTECTING ALL EXISTING SITEMPORPHERS THOUGHOUS CHARGENG CONSTRUCTION. THE CONTRACTOR SHALL BEPAIR AND PARAGE AS A RESULT OF CONTRACTOR SHALL BEPAIR AND PARAGE AS A RESULT OF SATISACTOR SEVENSE TO THE ASSTRUKTION OF THE COUNTRACTORS EXPENSE TO THE ASSTRUKTION OF THE OWNER.
- THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MATTERIALS, EQUIPMENT FOR DEADS REQUIRED TO COMPLIFE THIS PROJECT ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MAUL/ACTURENS RECOMMENDATIONS.
- THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING THE BID TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND CONSTRUCTION DRAWNIGS.
 - THE CONTRACTOR SHALL VERIFY LAL ENTING DIPERSIONS AND CONDITIONS RIGHT OF CONDITIONS RIGHT OF CONDITIONS FROM TO COMPRECIONS ANY WORK ALL DIPERSIONS OF EXITED CONTRACTOR SHAVING HERE DRAWNES WHERE REVERIED. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTOR MANAGER OF ANY DISCREMANIES RIGHT OF DREDBING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
- TAKEN THE CELL STEM YE SECTION, CALL SKETT PRECALTIONS NUST EN TAKEN WHEN WORKING AROUND HIGH LENGT OF EETTHOWNGNETT CHANNES OF EETTHOWNGNETT CHANNES OF ESTHOTOWN WORD THAT COLLID DETOGET HE WORKERS TO DANGER BESTONAL PROPOSITE HE WORKERS TO DANGER BESTONAL PROPOSITED TO BE WORN TO ALERT OF ANY POTTATIONS ARE REQUISED TO BE WORN TO ALERT OF ANY POTTATION TO ALERT OF ANY POTTATION TO ALERT OF ANY
- NO NOISE, SMOKE, DUST OR ODOR WILL RESULT FROM THIS FACILITY AS TO CAUSE A NUISANCE.
- THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION (NO HANDICAP ACCESS IS REQUIRED).

GENERAL NOTES

- THEE MODIFICATIONS HAVE BEEN DEIGNUD IN ACCORDANCE WITH THE GOVERNUM ROVISIONS OF THE TELECOMPHUNICATIONS INDUSTRY STANDARD THAT MATERIALS AND SERVICES ROVIDED BY THE CONTRACTOR SHALL CONFORM TO THE ABOVE MENTIONED CODES.
 - CONTRACTOR SHALL TAKE ALI PRECALITIONS INCESSARY TO REVENT DAWAGETO DESINANG STRUCTURES. ANY DAWAGETO DESTINA STRUCTURES AS, ARBUIT OF THE CONTRACTORS WORK OR REOM MARKED UP TO THE CAUSES SHALL BERDANDED AT THE CONTRACTORS EVERNES TO THE SATISFACTION OF THE OWNER.
- CONTRACTOR SHALL VERIFY ALL DETRINGNESSONS AND EXISTING CONDITIONS
 BEFORE ESCENINISM, OWEN, CADERNOR OF VETRALLA, MORE PREPARING OS SHO DAWNINGS, ANY DISCERBANCIES BETWEEN FELLO CONDITIONS AND THE CONTRACTOR DOLWHEN SHALL BE BEDOLGHT TO THE PREPARTE CONTRACTOR DOLWHEN SHALL BE BEDOLGHT TO THE PREPARTE PRISTING CONDITIONS THAT ARE NOT REPRESENTED ON THESE DAAWINGS, OR AFT CONDITIONS THAT WOULD INTERFER WITH THE INSTALLATION OF THE PRODING THAT WOULD INTERFER WITH THE INSTALLATION OF THE PRODING THAT WOULD INTERFER WITH THE INSTALLATION
- 4 IT IS ASSUMED THAT ANY STRUCTURAL MODIFICATION WORK SPECIFED ON THEE PARK WILL EACCOMPLISHED BY KNOWLEDGEABLE WORKHEN WITH TOWER CONSTRUCTION DEPRIENCE.
- THE CONTRACTOR SHALL SUPRIVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION METHODS, MEANS, TECHNIQUES, SEQUENCES, AND PROCEDURES.
 - ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, RECTOR PLANS, AGGING FAUNS, CLIBING DEVENA, AND RESCUE PLANS, SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE RECTORNO OF THE WORD NOT NUMBED HEARD AND SHALL MET ANGENERAL STATE TEDITON, OSHA, AND GENERAL INDUSTRY. STANDARDS. ALL RIGGING PLANS SHALL ADHERE TO ANSITTA-322 (LATEST EDITION) INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION.
 - THE CONTRACTOR IS SOLEY RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PROGRAMS IN ACCORDANCE WITH APPLICABLE SAFETY CODES.
- WORK SHALL ONLY BE PERFORMED DURING CALM DRY DAYS (WINDS LESS THAN 30-MPH). THE STRUCTURE SHOWN ON THE DRAWINGS IS STRUCTURALLY SOUND ONLY IN THE COMPLETED FORM. THE

TOTAL TOTAL STRUCTURE CONTRACTOR HALL STRUCTURE LIPES THE STRUCTURE LIPES AND STRUCTURE CONTRACTOR HALL IRRODOR TOTAL STRUCTURE LIPES AND STRUCTURE LIPES AND STRUCTURE LIPES AND STRUCTURE AND STRUCTURE LIPES AND STRUCTURE LIPE

ALL PROPOSED ANDIOR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE RIND OF THE BOLT IS ATTLEAST FLUSH WITH THE FACE OF THE NUT. IT IS NOT PERMITTED FOR THE BOLT END TO BE BELOW THE FACE OF THE NUT AFTER TIGHTBINING IS COPPLETED.

ALL INSTALLATIONS PERFORMED ON THIS STRUCTURE SHALL BE COMPLETED IN ACCORDANCE WITH THE GOVERNION BROWISIONS OF THE STANDARD POR INSTALLATION ALTERATION AND MAINTENANCE OF ANTENINA SUPPORTING STRUCTURES AND ANTENNAS. ANSWITH-332.

ALL HOLES IN STEEL MEMBERS SHALL BE SIZED 1/16" LARGER THAN THE BOLT DIAMETER. STANDARD HOLES SHALL BE USED UNLESS NOTED OTHERWISE

WELDING NOTES

14. ALL EXISTING PAINTEDICALVANIZED SURFACES DAMAGED DURING REHAB INCLUDIONG RAELS UNDER STREPERE BATTES SAFLE EVER BRUSHED CLEAN, REPARED SY COLD GALVANIZING (ZNGA, OR ZINC COTE), AND REPAINTED TO MATCH THE EXISTING FINISH (IF APPLICABLE).

GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.

ALL WELDING SHALL BE DONE IN ACCORDANCE WITH AWS DI 0 (LATEST BEDTING), THIS SHALL INCLUDE A CERTIFIED WELD INSPECTION (CW) FOR ACCEPTANCE OR REJECTION OF ALL WELDING OFBRATIONS, REE DURING AND POST INSTALLATION, SING THE ACCEPTANCE CRITERA OF AWS DILIA

CONTRACTOR IS REPONSIBLE FOR COMMISSIONING A THIRD PARTY CERTHERD WAS ON INSPECTOR (CW) THROUGHOUT THE BYTIRETY OF THE PROJECT A PASSING CWI REPORT SHALL BE RROYIDED TO THE ENGINERN UPON COMPLETION OF THE PROJECT.

- CONTRACTOR SHALL SECURE SITE BACK TO EXISTING CONDITION UNDER SUPERVISOR OF OWNERS, CAROLVENING, AND SUBJECT, GROUDING, AND SURSOUNDING, GRADE SHALL BE REFLACED AND REPAIRED AS REQUIRED TO CALLERE, OWNER APPROACH, POSITIVE DAMINGE AWAY FROM TOWER SITE SHALL BE MANTANED.
 - OWNERCHORS ENFERT INTS SUPPORTED BY HER THE CLINE AND THE STRUCTURE NOT SECRETICALLY DEFALLED IN THE CONTRACTO COCHEMINE STRUCTURE TO THE RESPONSITIONS SHALL BE DESIGNED. COCHEMINED MAIN RECEITED BY THE REPORTS SUPPORTS AND SUPPORTS SHALL BE DESIGNED. COCHEMINED AND INSECTED BY THE REPORTS SUBMIT SIGNED AND SELECT OWNERS THE PROPERTY SUBMIT SHALL BE DESIGNED.
 - 12. DO NOT SCALE DRAWINGS.
 - 13. DO NOT USE THESE DRAWINGS FOR ANY OTHER SITE.
- ALL MATERAL UTILIZED FOR THIS PROJECT MUST BE NEW AND REE OF ANY DEFECTS, ANY MATERIAL SUSSTITUTIONS, INCLUDING BUT NOT LIMITED TO ALTIERED SIZE AND/OR STRENGTHS, MUST BE APROVED BY THE OWNER.

THE CERTIFIED WAS DURSECTORS ALTER, IDPOCATE, AN WARITER CONTINUED OF STRANDINGS REE, DURING, AND POST IN THE PROTOGRAPHS AND POST IN THE PROTOGRAPHS AND DOCUMENTATIONS SIZE DURING, AND POST IN THE PROTOGRAPHS AND DOCUMENTATION SUPPORTING THE ACCEPTANCE OR RECEIVED OF ALL WAS DURING THE ACCEPTANCE OR DOCUMENTATION AND PROTOGRAPHS THE ACCEPTANCE OR DOCUMENTATION AND PROTOGRAPHS THE PROTOGRAPHS AND PROTOGRAPHS AN

- AND ENGINEER IN WRITING.
- THE MOUNT UNDER NO CIRCUMSTANCES SHOULD BE USED AS A TIE OFF POINT.

STRUCTURAL STEEL

DESIGN, DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL.
SHALL CONFORM TO THE FOLLOWING PUBLICATIONS EXCEPT AS
SPECIFICALLY INDICATED IN THE CONTRACT DOCUMENTS.

OXY FUE GAS WELDING OR BRAZING IS STRICTLY PROHIBITED SPECIFICALLY, NO TORCH CUTTING IS PERMITTED ON SITE ALL HOLES SHALL BECUT WITH A GRINDER.

IN CASES WHERE A WELD IS SPECIFED BETWEEN TWO MEMBERS IN WHICH THERE IS A GAP IN BETWEEN, THE WELD IS TO BE BUILT-UP SUCH THAT THE SIZE OF WELD ON THE MEMBER IS EQUAL TO THAT SHOWN IN THE DRAWINGS.

CONTRACTOR SHALL EXERCISE CAUTION WHEN WELDING A GALVANIZED SUBFACE

CONTRACTOR SHALL HAVE A FIRE PROTECTION PLAN IN PLACE THAT CONFORMS WITH ALL OSHA, ANSI/ASSP A 10,48, ANSI/2491, AND LOCAL JURISDICTIONAL REQUIREMENTS.

- a. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), MANUAL OF STEEL CONSTRUCTION (15TH EDITION).
- b. SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490
 - BOLTS
- STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING UNLESS OTHERWISE SHOWN: c. AISC CODE OF STANDARD PRACTICE
- CHANNELS, ANGLES, PLATES, ETC. ASTM A36 (GR 36) STEEL PIPE ASTM A53 (GR 35) BOLTS ASTM A325
- NUTS LOCK WASHERS
- ALL SUSTITUTIONS ROPOSCED BY THE CONTRACTOR SHALL BE APPROVED NO WARTHWO BY THE BROINERS CONTRACTOR SHALL REQUIRE BY CONTRACTOR SHALL RROWNER BY CONTRACTOR SHALL RROWNER BY CONTRACTOR SHALL RROWNER BY SURFAIR TO MEST AND RESIDENCES THE SUSTITUTION FROM THE CONSTITUTION SHALL DISTRICT SHEET AND DISTRICT SHEET AND SHALL DISTRICT SHEET SHALL SHEET SHALL SHEET S SUB-CONTRACTORS, SHALL BE PROVIDED TO THE ENGINEER. CONTRACTOR SHALL PROVIDE ADDITIONAL DOCUMENTATION AND/OR SPECIFICATIONS TO THE ENGINEER AS REQUESTED. ASTM A563 LOCKING STRUCTURAL GRADE
 - PROVIDE STRUCTURAL STEEL SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
- a. SUBMIT SHOP DRAWINGS TO

PETER.ALBANO@COLLIERSENGINEERING.COM

- b. PROVIDE MASER CONSULTING PROJECT # AND MASER CONSULTING PROJECT ENGINEER CONTACT IN THE BODY OF THE EMAIL.
- DRILL NO HOLES IN ANY NEW OR EXETING STRUCTURAL STEE MEMBERS OTHER THAN THORS SHOWN ON STRUCTURAL DRAWINGS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.
- GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
- ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER PROTECTION IN ADDITIONAL NEW STEEL SHALL BEPAINTED TO MATCH EXISTING STEEL CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
 - CONTRACTOR SHALL PROTECT CUT ENDS OF ALL FIELD-CUT STEEL WITH TWO (2) COATS OF COLD GALVANIZATION (ZINGA OR ZING COTE).
- ALL BOLT ASSENBLIES FOR STRUCTURAL NEMBERS REPRESENTED IN THIS DRAWNIES REQUIRE LOCKING DEVICES TO BE INSTALLED IN ACCORDANCE WITH TIA-222-H SECTION 49.2 REQUIREMENTS.
- WHERE CONNECTIONS ARE NOT FULLY DETAILED ON THESE DRAWINGS, FABRICATOR SHALL DESIGN CONNECTIONS TO RESIST LOADS AND FORCES WHERE SHOWN ON DRAWINGS AND AS OUTLINED IN SPECIFICATIONS.
- FOR MEMBERS BEING REPLACED, PROVIDE NEW BOLTS AND MATCH EXISTING SIZE AND GABLE MAINTAIN ABIG REQUIREMENTS FOR MINIMUM BOLT STANCE AND SPACING.

SPACING 1/8 2 1/4 2 5/8 ٣ MIN. EDGE DISTANCE 8/ - /4 2/8 1/2 3/4 BOLT SCHEDULE (IN.) 1 | | | 6 × 1 5 / 16 91/11×91/6 15/16 x 1 1/8 11/16 × 7/8 STANDARD SHORT HOLE SLOT 3/16 x | 91/11 13/16 91/1 15/16 9//6 BOLT DIAMETER 1/5 2/8 3/4 2/8

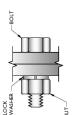
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Verizon

WORKABLE GAGES (IN.)	GAGE	2 1/2	2	1 3/4	1 3/8	1 1/8
WORKABLE	LEG	4	3 1/2	3	2 1/2	2



ALL DIMENSIONS REPRESENTED IN THE AGOVET NABLES ARE AGK OF WILNIGHM REQUIREMENTS. CONTRACTORS HALL VERIFY EXISTING CONDITIONS IN FIELD AND NOTIFY ENGINEER IF DISTANCES ARE LESS THAN THOSE PROVIDED. NOTES

THE DIMENSIONS PROVIDED ARE MINIMAIN REQUIREMENTS ACTUAL DIMENSIONS OF ROPOSED MENBERS WITHIN THESE DRAWNINGS MAY VARY ROW THE AISC MINIMUM REQUIREMENTS.

TYP. BOLT ASSEMBLY

SHORT SLOT HOLES SHALL ONLY BE USED WHEN DEPICTED IN THE DRAWINGS

MATCH EXISTING GAGES WI APPLICABLE, UNLESS MINIMU DISTANCES ARE COMPROMIS



SITE NAME:

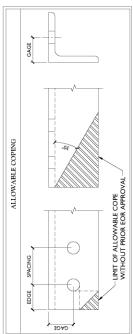
SACRED HEART CONVENT HAMDEN, CT 06514 NEW HAVEN COUNTY 468261

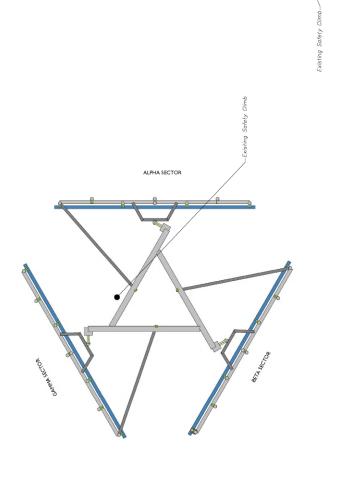
HAMDEN 2 CT

Colliers Engineering & Design

MODIFICATION NOTES

NOT SCALE DRAWINGS FOR CONSTRUCT SGN-I







CLIMBING FACILITY PHOTO

Verizon Doing Business as

Colliers Engineering & Design

SITE NAME:

SACRED HEART CONVENT HAMDEN, CT 06514 NEW HAVEN COUNTY HAMDEN 2 CT 468261

STRUCTURAL NOTES:

CLIMBING FACILITY LOCATION SCALE, N.T.S.

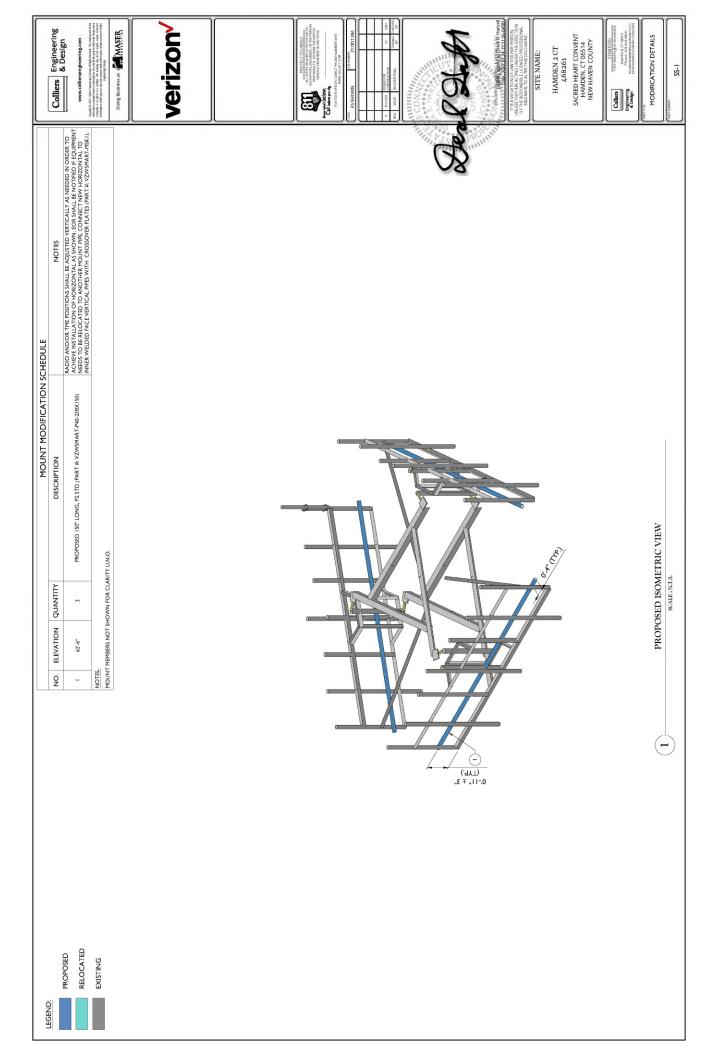
PER THE MOUNT MAPPING COMPLETED BY HUDSON DESIGN GROUP, LLC. ON 9728,023, THE CLIMBING FACULTES UP TO THE YER/ZON MOUNT ELEVATION (62-4") ARE OBSTRUCTED BY CABLING. COLLIERS ENGINEERING & DESIGN DOES NOT WARRANT THIS INFORMATION.

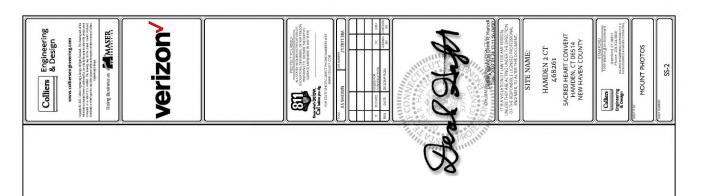
INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB, OR ANY SYSTEM INSTALLED ON THE STRUCTURE. TIMELY NOTICE AND DOCUMENTATION SHALL BE REWINDED BY CONTRACTORS TO THE EOR (OF STRUCTURAL DESIGN) IF AN OBSTRUCTION WAS REQUIRED TO MEET THE RE SYSTEM DESIGN REQUIREMENTS AND PERFORMANCES. 7

Colliers Engineering & Design

CLIMBING FACILITY DETAIL

SCF-I





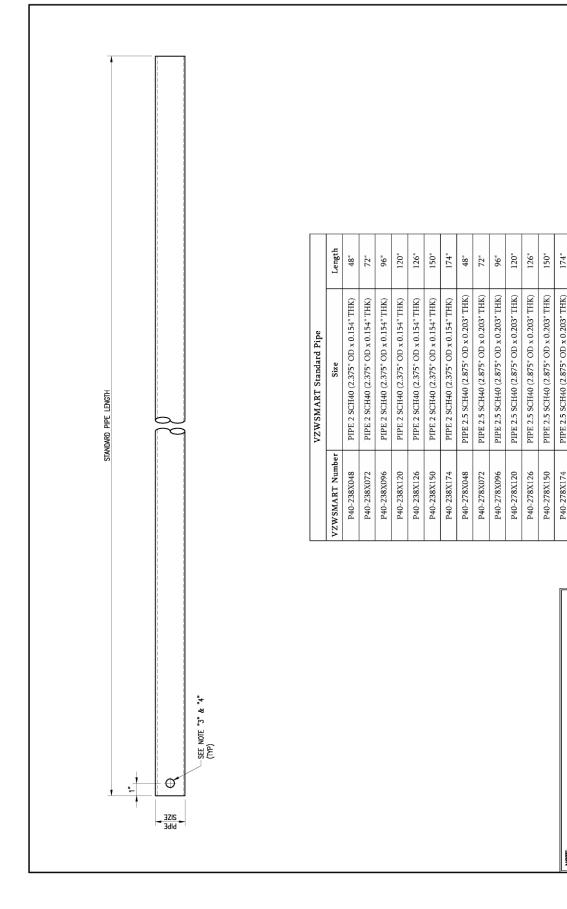
MOUNT PHOTO 1





MOUNT PHOTO 4

MOUNT PHOTO 3



SMART Tool®

 $V_{\mathbf{Z}}W$

Vendor

BT 08/04/21 BY: HMA/KW 0 VZWSMART STANDARD PIPE VZWSMART-PIPE ON FIRST ISSUE

> 126" 150" 174"

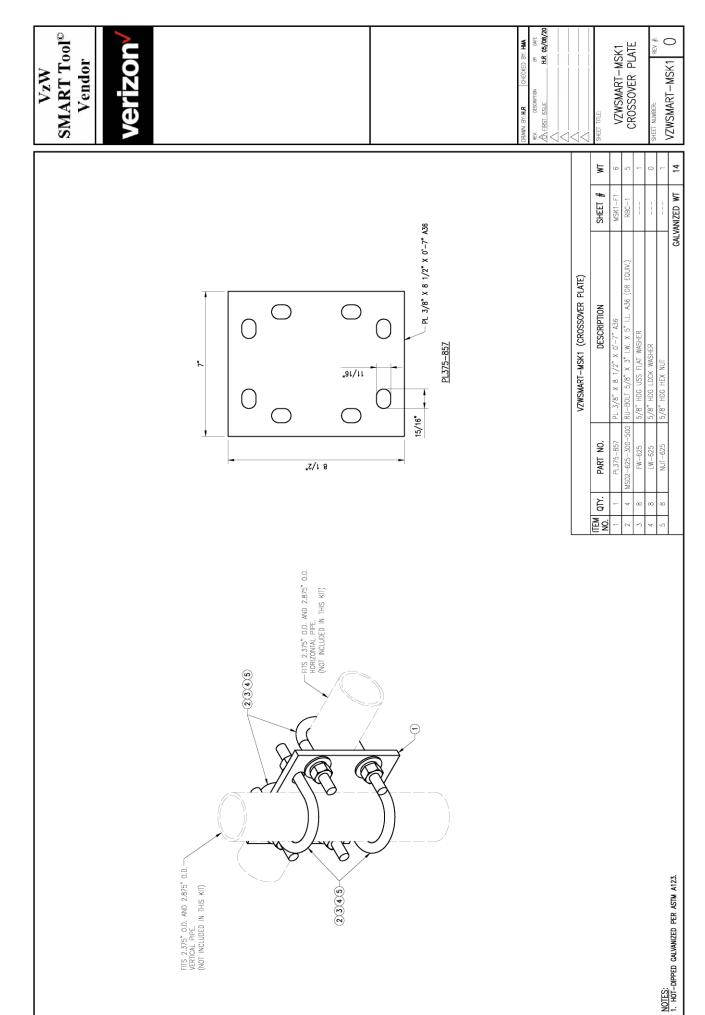
48" 72"

PIPE 3 SCH40 (3.5" OD x 0.216" THK) PIPE 3 SCH40 (3.5" OD x 0.216" THK)

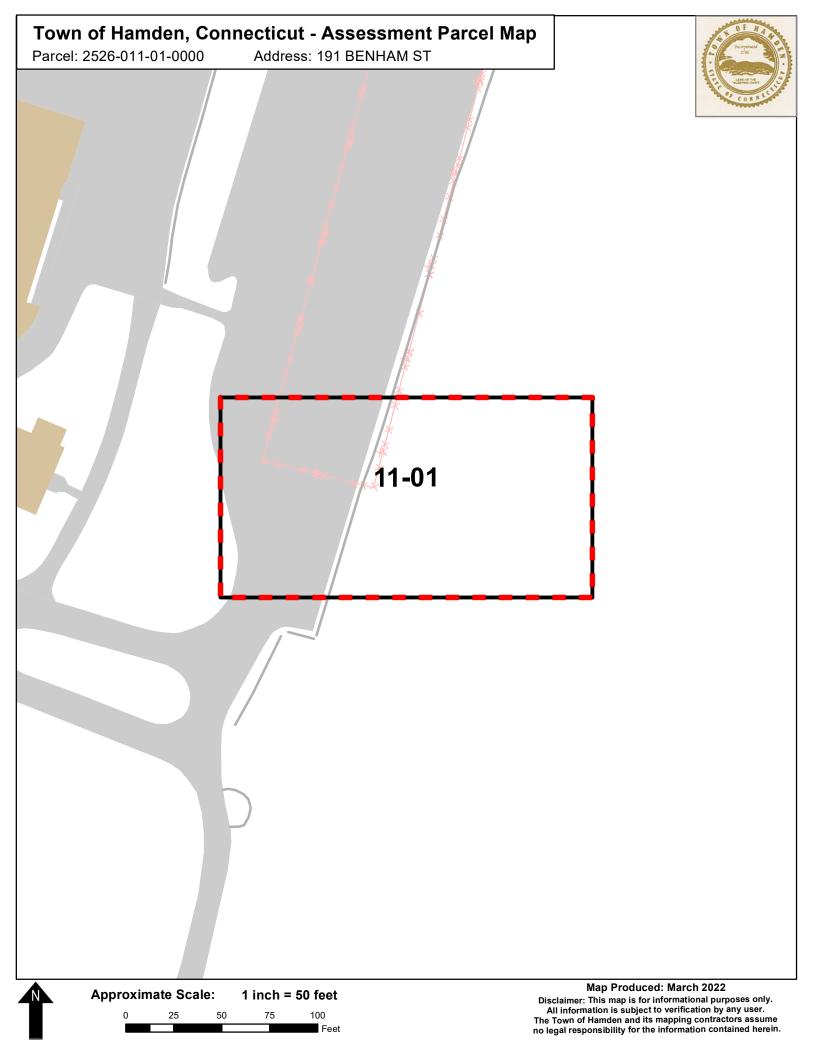
P40-312X048 P40-312X072 P40-312X126 P40-312X150 P40-312X174

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

- NOTES:
 1. ALL PIPE GRADE A53-B OR BETTER.
 2. HOT-DIPPED GALVANIZED PER ASTM A123.
 3. ALL HOLES ARE IT/16" DIA. U.N.O.
 4. HOLES MAY OR MAY NOTE PETEZENT, DEPEND UPON MANUFACTURE DISCRETION.
 5. ALL FIELD CLIT AND DRILLED SUFFACES SHALL BE REPARED WITH A MINIMUM OF TWO COATS
 6. ALL FIELD CLIT AND DRILLED SUFFACES SHALL BE REPARED WITH A MINIMUM OF TWO COATS
 OF ZINCA OR ZINC COTE PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS.



ATTACHMENT 5





Map Block Lot

2526-011-01-0000

Building #

PID 123442 Account

Property Information

Property Location	191 BENH	AM ST		
Owner	APOSTLES	OF THE SA	CRED	HEART OF
Co-Owner	INC THE			
Mailing Address	295 BENHAM ST			
	HAMDEN	C	т	06514
Land Use	431V	CELL SITE	: M00	
Land Class	ı			
Zoning Code	R3			
Census Tract				

Neighborhood	100	
Acreage	0	
Utilities	Public Water,P	ublic
Lot Setting/Desc	Suburban	Above Street
Book / Page	0726/0301	
Additional Info		

Primary Construction Details

Year Built	0
Building Desc.	CELL SITE M00
Building Style	UNKNOWN
Building Grade	
Stories	
Occupancy	
Exterior Walls	
Exterior Walls 2	NA
Roof Style	
Roof Cover	
Interior Walls	
Interior Walls 2	NA
Interior Floors 1	
Interior Floors 2	NA

Heating Fuel	
Heating Type	
AC Type	
Bedrooms	0
Full Bathrooms	0
Half Bathrooms	0
Extra Fixtures	0
Total Rooms	0
Bath Style	NA
Kitchen Style	NA
Fin Bsmt Area	
Fin Bsmt Quality	
Bsmt Gar	0
Fireplaces	0

Photo



Sketch



(*Industrial / Commercial Details)

(Industrial / Commercial Details)				
Building Use	Vacant			
Building Condition				
Sprinkler %	NA			
Heat / AC	NA			
Frame Type	NA			
Baths / Plumbing	NA			
Ceiling / Wall	NA			
Rooms / Prtns	NA			
Wall Height				
First Floor Use	NA			
Foundation	NA			

Report Created On

5/25/2022

Town of Hamden, CT

Property Listing Report

Map Block Lot

2526-011-01-0000

Building #

PID 123442 Account

Valuation Sum	ilialy (1336336d	value = 70% of Appraised Value)	Sub Areas		
Item	Appraised	Assessed	Subarea Type	Gross Area (sq ft)	Living Area (sq f
Buildings		0			
Extras	0	0			
Improvements					
Outbuildings	6300	4410			
Land	165000	115500			
Total	171300	119910			
Outbuilding as	nd Extra Featu	res			
Type	De	escription			
SHED COM MAS	240) S.F.			
SHED COM MAS 360 S.F.) S.F.			
			Total Area	0	0
Sales History	· · · · · · · · · · · · · · · · · · ·				
Owner of Record		Book/ Page Sal	le Date Sale Pri	ce	

ATTACHMENT 6



Name and Address of Sender	TOTAL NO. TOTAL NO.	Affix Stamp Here				
	of Pieces Listed by Sender	of Pieces Received at Post Office™	Office™ Postmark with Date of Receipt.			
Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103	Postmaster, per (name of receiving	g employee)	neopost 06/14/2022 \$002.990 US POSTAGE \$002.990 ZIP 06103 041L12203937		9 <u>0</u> 103 03937	
USPS® Tracking Number Firm-specific Identifier	(Name, Street, City	ddress ⁄, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
	Lauren Garrett, Mayor					
1.	Town of Hamden		1			
	Hamden Government Cent	er	1			
	2750 Dixwell Avenue		-			
	Hamden, CT 06518	n Diannar				
2.	Erik Johnson, Acting Town Planner Town of Hamden		-			
<u></u>	Hamden Government Center					
	2750 Dixwell Avenue					
	Hamden, CT 06518	2100				
	Apostles of the Sacre	d Heart of Jesus. Inc.				
3.	295 Benham Street	a Heart of Joseph, 1110.				
	Hamden, CT 06514	7 0	4			
	(2)	1.60				
4	141	5 /3/				
4.	1/2/	7//				
	970					
5.						
			-			
6						
6.						