Robinson+Cole

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Also admitted in Massachusetts
and New York

July 22, 2021

Via Electronic Mail

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

Re: **Notice of Exempt Modification – Facility Modification**
Greenwich Hospital
5 Perryridge Road, Greenwich, Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains a wireless telecommunications facility at Greenwich Hospital, 411 West Putnam Avenue in Greenwich, Connecticut (the "Property). The facility consists of antennas and remote radio heads attached to a tower and related equipment on the ground, near the base of the tower. Cellco's existing wireless facility at Greenwich Hospital was approved by the Council in April 1987 (Docket No 73). A copy of the Council's Docket No. 73 Decision and Order is included in Attachment 1.

Cellco now intends to modify its facility by installing three (3) Samsung 64T64RMMU antennas on its existing platform. A set of project plans showing Cellco's proposed facility modifications and new antennas specifications are included in Attachment 2.

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

The planned modifications to the facility fall squarely within those activities explicitly provided for in R.C.S.A. § 16-50j-72(b)(2).

1. The proposed modifications will not result in an increase in the height of the existing tower. The new 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 the 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 Report (SA) and Mount Analysis (MA), the existing tower and antenna mounting devices with certain modifications can support Cellco's proposed modifications. A copy of the SA and MA are included in Attachment 4. Also included in Attachment 4 is a separate letter prepared by the consulting engineer responsible for the preparation of the MA verifying that the antenna model described in the document, as a Licensed-Sub6 Antenna or VZS01 Antenna, is the Samsung 64T64R model antenna and RRH that will be installed on the tower.

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

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

Sincerely,

Kenneth C. Baldwin

Enclosures
Copy to:
Fred Camillo, Greenwich First Selectman
Katie DeLuco, Director of Planning and Zoning
Greenwich Hospital
Aleksey Tyurin

ATTACHMENT 1

DOCKET NO. 73

AN APPLICATION OF METRO MOBILE CTS OF FAIRFIELD COUNTY, INC., FOR CERTIFICATES OF ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED FOR THE CONSTRUCTION, MAINTENANCE, AND OPERATION OF THREE FACILITIES CONSISTING OF TELECOMMUNICATIONS TOWERS AND ASSOCIATED EQUIPMENT FOR THE PURPOSE OF PROVIDING DOMESTIC PUBLIC CELLULAR RADIO TELECOMMUNICATIONS SERVICE IN THE TOWN OF GREENWICH AND IN THE CITIES OF NORWALK AND STAMFORD, CONNECTICUT.	:	CONNECTICUT SITING COUNCIL
	:	April 1, 1987

D E C I S I O N A N D O R D E R

Pursuant to the foregoing opinion, the Connecticut Siting Council (Council) hereby directs that a Certificate of Environmental Compatibility and Public Need, as provided by Section 16-50k of the General Statutes of Connecticut (CGS), be issued to Metro Mobile CTS of Fairfield County, Inc., for the construction, operation, and maintenance of cellular mobile telecommunications equipment in the Town of Greenwich, and the Cities of Norwalk and Stamford, Connecticut.

The facilities shall be constructed, operated, and maintained as specified in the Council's record on this matter, and subject to the following conditions.

1. The Norwalk tower, including antennas, shall be no taller than necessary to provide the proposed service, and in no event shall exceed 193 feet.
2. A fence not lower than eight feet shall surround the Norwalk tower.
3. Unless necessary to comply with condition number four, below, no lights shall be installed on the Norwalk tower.
4. The facilities shall be constructed in accordance with all applicable federal, state, and municipal laws and regulations.

5. The certificate holder shall prepare a development and management (D&M) plan for the Norwalk site in compliance with sections 16-50j-75 through 16-50j-77 of the Regulations of State Agencies. The D&M plan shall provide for evergreen screening around the perimeter of the fence at this site, and for other landscaping to improve the appearance of the facility.
6. The receive antennas at the Greenwich and Stamford sites shall be mounted below the high points of the facades of their respective buildings to minimize their visibility.
7. No construction activities shall take place outside the hours of 7:00 A.M. to 7:00 P.M., Monday through Saturday.
8. The certificate holder or its successor shall notify the Council if and when directional antennas or any equipment other than that listed in this application is added to these facilities.
9. The certificate holder or its successor shall permit public or private entities to share space on the Norwalk tower, for due consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.
10. If these facilities do not provide or permanently cease to provide cellular service following completion of construction, this Decision and Order shall be void, and the tower and all associated equipment in this application shall be dismantled and removed or reapplication for any new use shall be made to the Council before any such new use is made.

11. Unless otherwise approved by the Council, this Decision and Order shall be void if all construction authorized herein is not completed within three years of the issuance of this Decision and Order, or within three years of the completion of any appeal taken in this Decision.

12. The certificate holder shall comply with any future radio frequency (RF) standards promulgated by state or federal regulatory agencies. Upon the establishment of any new governmental RF standards, the facilities granted in this Decision shall continue to be in compliance with such standards.

Pursuant to CGS section 16-50p, we hereby direct that a copy of the Decision and Order be served on each person listed below. A notice of the issuance shall be published in the Stamford Advocate, the Greenwich Times, the Norwalk Hour, and the Bridgeport Post.

The parties to the proceeding are:

Mr. Armand Mascioli (Applicant)
General Manager
Metro Mobile CTS of Fairfield
County, Inc.
5 Eversley Avenue
Norwalk, Connecticut 06855

Howard L. Slater, Esquire (its attorney)
Byrne, Slater, Sandler,
Shulman & Rouse, P.C.
330 Main Street
P.O. Box 3216
Hartford, Connecticut 06103

Richard Rubin, Esquire (its attorney)
Fleischman and Walsh, P.C.
1725 N Street, N.W.
Washington, D.C. 20036

Southern New England
Telephone Company

(its attorney)

Mr. Peter J. Tyrrell
Senior Attorney
Southern New England
Telephone Company
227 Church Street
New Haven, Connecticut 06506

C E R T I F I C A T I O N

The undersigned members of the Connecticut Siting Council hereby certify that they have heard this case or read the record thereof, and that we voted as follows:

Dated at New Britain, Connecticut, this 1st day of April, 1987.

Council Members	Vote Cast
Gloria Dibble Pond Chairperson	Yes
Commissioner John Downey Designee: Commissioner Peter G. Boucher	Yes
Acting Commissioner John Anderson Designee: Brian Emerick	Yes
Owen L. Clark	Yes
Fred J. Doocy	Yes
Mortimer A. Gelston	Yes
James G. Horsfall	Absent
William H. Smith	Absent
Colin C. Tait	Yes

STATE OF CONNECTICUT)
: ss. New Britain, April 1, 1987
COUNTY OF HARTFORD)

I hereby certify that the foregoing is a true and correct copy of the decision and order issued by the Connecticut Siting Council, State of Connecticut.

ATTEST:

John C. Kelly
Executive Director
Connecticut Siting Council

I certify that a copy of the opinion and decision and order have been forwarded by mail to all parties of record on April 3, 1987.

ATTEST:

Robert K. Erling
Siting Analyst
Connecticut Siting Council

ATTACHMENT 2

verizon

WIRELESS COMMUNICATIONS FACILITY

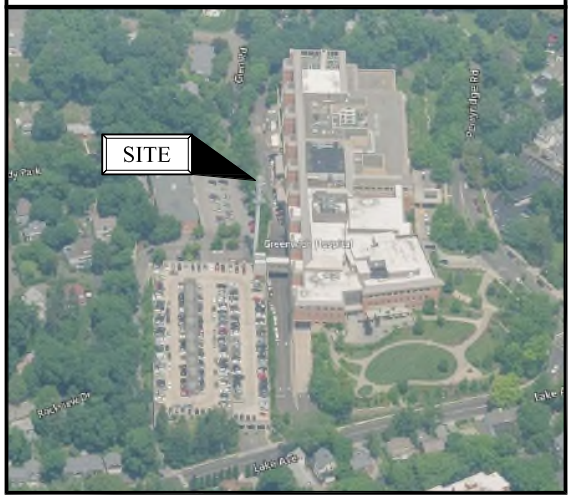
SITE NAME:
GREENWICH CT

GREENWICH HOSPITAL
5 PERRYRIDGE RD.
GREENWICH, CT 06830

ANTENNA MODIFICATION

PROJECT SUMMARY	
SITE NAME:	GREENWICH CT
SITE ADDRESS:	5 PERRYRIDGE RD. GREENWICH, CT 06830
PROPERTY OWNER:	GREENWICH HOSPITAL 5 PERRYRIDGE RD. GREENWICH, CT 06830
TOWER MGMT. CO.:	GREENWICH HOSPITAL
PARCEL ID:	07-4009-S
COORDINATES:	41° 02' 03.13" N 73° 37' 51.01" W
VERIZON CONSTRUCTION:	WALTER CHARCZYNSKI (860) 306-1806
VERIZON REAL ESTATE:	ALEX TYURIN (860) 550-3195

AERIAL MAP



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

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WIRELESS COMMUNICATIONS FACILITY

20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

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

LICENSURE

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

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

SUBMITTALS		
0	11.15.20	REVIEW
1	02.08.21	PERMITTING/CONSTRUCTION
2	03.04.21	REVISED PER 2C CERTIFICATION

NO	DATE	DESCRIPTION

DRAWN BY:	AS
CHECKED BY:	DW

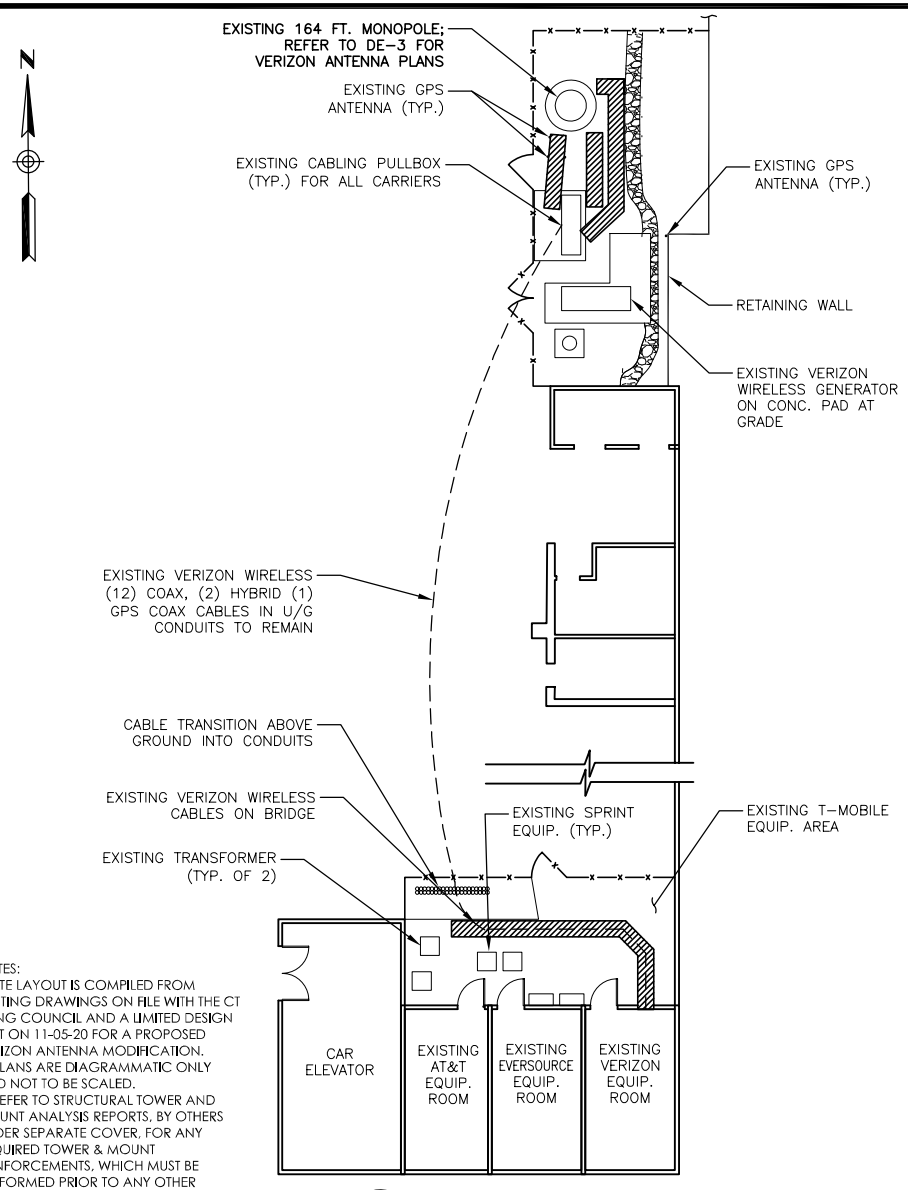
PROJECT NAME:
ANTMO
VZS01
DESIGN EXHIBITS

SITE NAME:
GREENWICH CT

SITE ADDRESS:
GREENWICH HOSPITAL
5 PERRYRIDGE RD.
GREENWICH, CT 06830

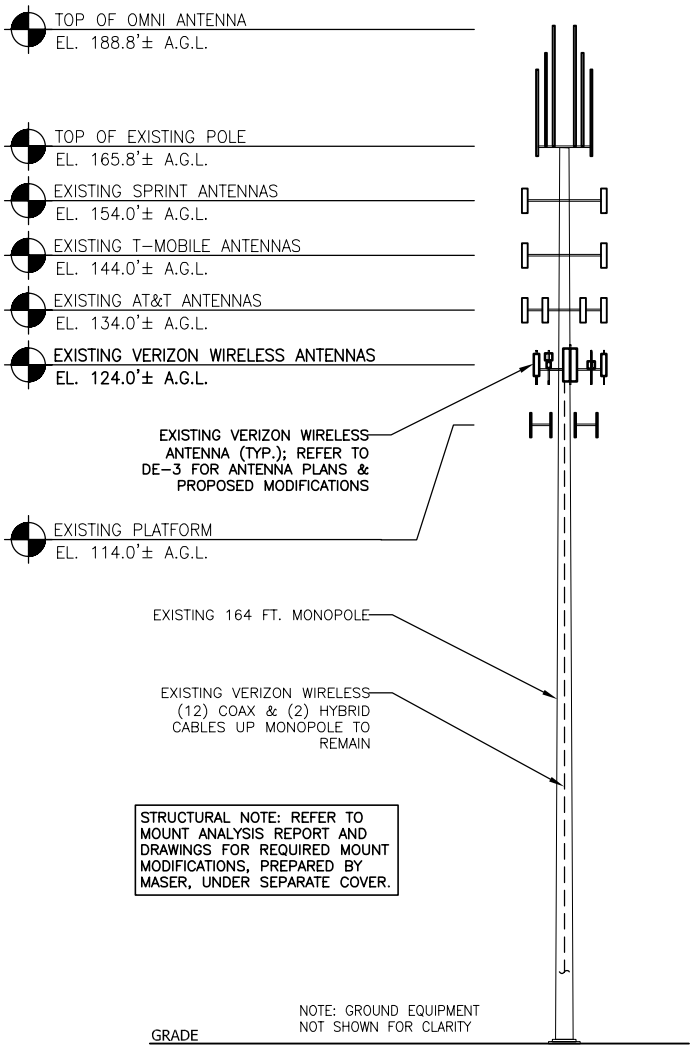
SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
DE-1



NOTES:
1. SITE LAYOUT IS COMPILED FROM EXISTING DRAWINGS ON FILE WITH THE CT SITING COUNCIL AND A LIMITED DESIGN VISIT ON 11-05-20 FOR A PROPOSED VERIZON ANTENNA MODIFICATION.
2. PLANS ARE DIAGRAMMATIC ONLY AND NOT TO BE SCALED.
3. REFER TO STRUCTURAL TOWER AND MOUNT ANALYSIS REPORTS, BY OTHERS UNDER SEPARATE COVER, FOR ANY REQUIRED TOWER & MOUNT REINFORCEMENTS, WHICH MUST BE PERFORMED PRIOR TO ANY OTHER VERIZON ANTENNA MODIFICATIONS.
4. ELEVATION HEIGHTS ARE BASED ON A 2C CERTIFICATION BY PEREIRA ENGINEERING, LLC DATED 03-04-21.

1 DE-2 **SITE LAYOUT**
Scale: 1/16" = 1'-0"



STRUCTURAL NOTE: REFER TO MOUNT ANALYSIS REPORT AND DRAWINGS FOR REQUIRED MOUNT MODIFICATIONS, PREPARED BY MASER, UNDER SEPARATE COVER.

NOTE: GROUND EQUIPMENT NOT SHOWN FOR CLARITY

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

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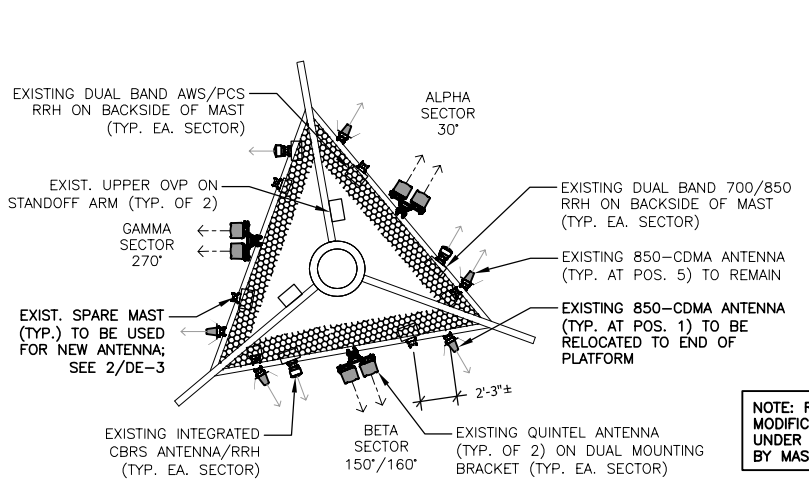
SHEET TITLE:
SITE LAYOUT
& ELEVATION

SHEET NUMBER:
DE-2

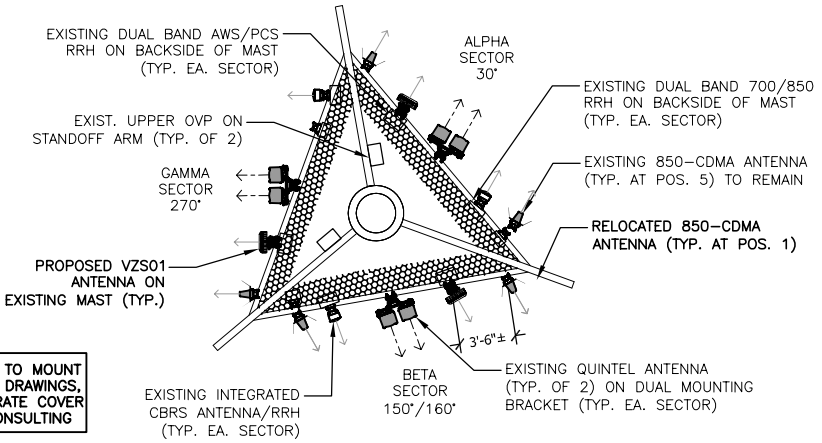


1 DE-3 ANTENNA PLAN @ 124 FT. - EXISTING

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

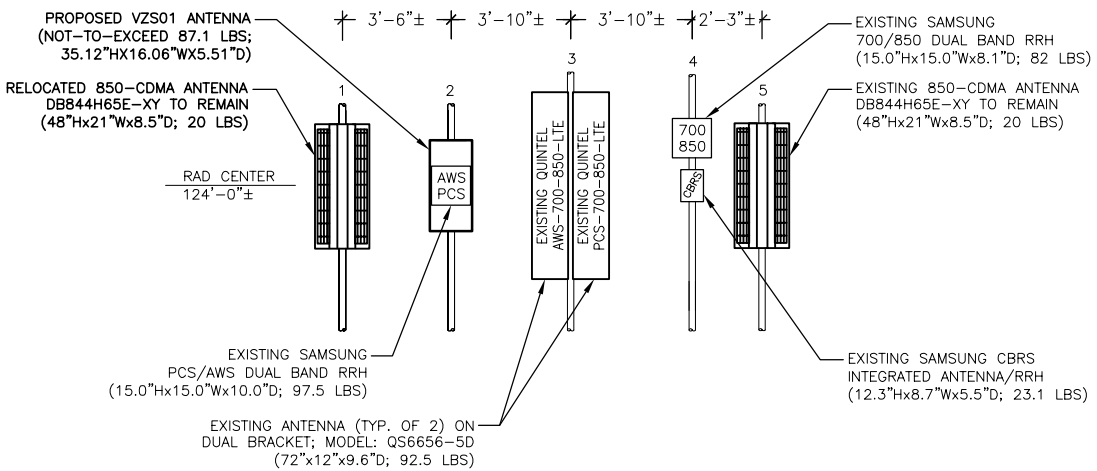
NOTE: REFER TO MOUNT MODIFICATION DRAWINGS, UNDER SEPARATE COVER BY MASER CONSULTING

NOTE: NEW DUAL RRH LOCATIONS SHOWN BASED ON MOUNT ANALYSIS BY OTHERS



2 DE-3 ANTENNA PLAN @ 124 FT. - PROPOSED

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



(VIEWED FROM BEHIND SECTOR)

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

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

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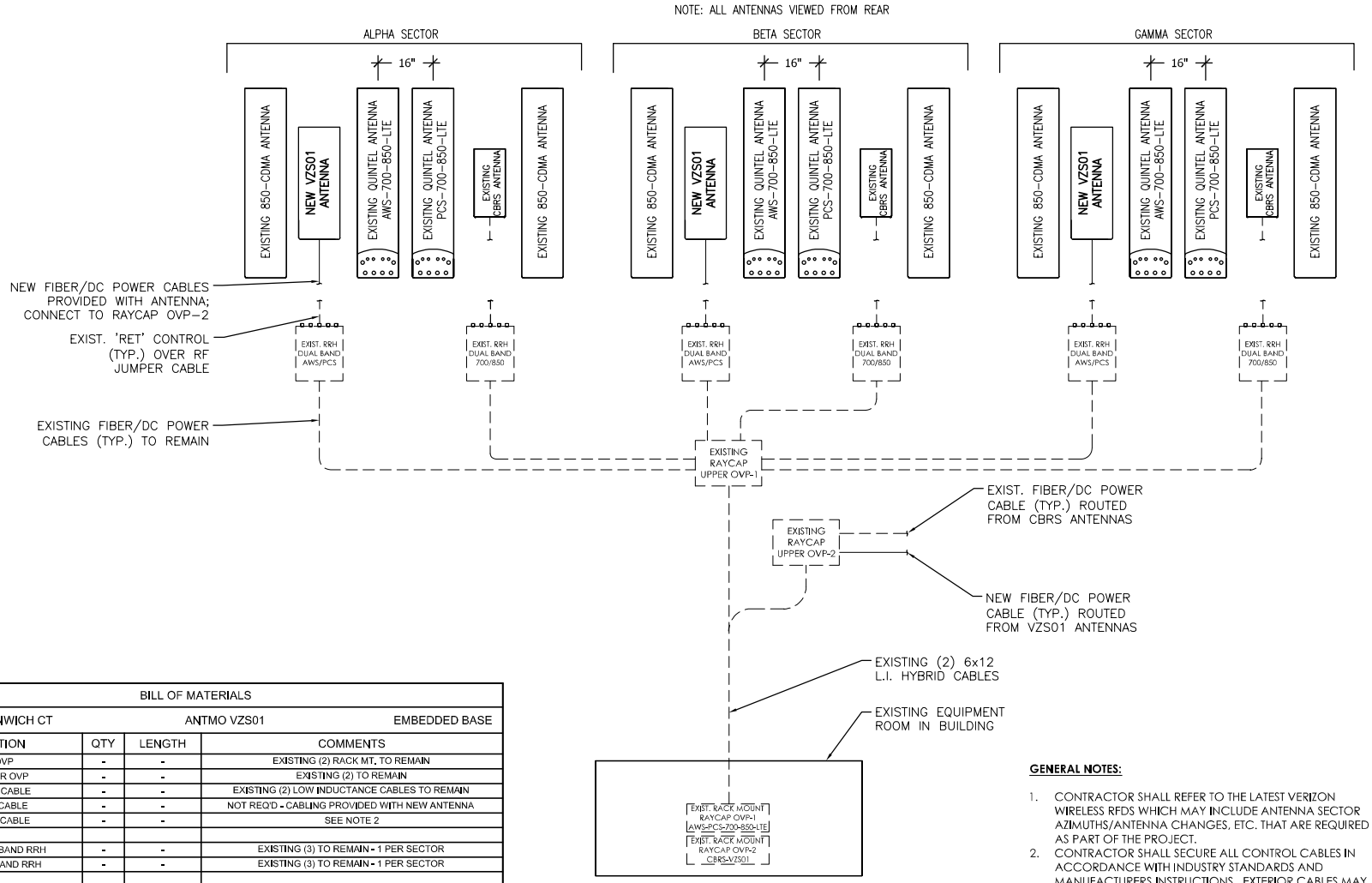
SHEET TITLE:
ANTENNA PLANS & ELEVATION

SHEET NUMBER:
DE-3



BILL OF MATERIALS

SITE NAME: GREENWICH CT | ANTMO VZS01 | EMBEDDED BASE

DESCRIPTION	QTY	LENGTH	COMMENTS
LOWER OVP	-	-	EXISTING (2) RACK MT. TO REMAIN
6-CKT. UPPER OVP	-	-	EXISTING (2) TO REMAIN
6x12 HYBRID CABLE	-	-	EXISTING (2) LOW INDUCTANCE CABLES TO REMAIN
1x1 HYBRID CABLE	-	-	NOT REQ'D - CABLING PROVIDED WITH NEW ANTENNA
1/2" JUMPER CABLE	-	-	SEE NOTE 2
AWS/PCS DUAL BAND RRH	-	-	EXISTING (3) TO REMAIN - 1 PER SECTOR
700/850 DUAL BAND RRH	-	-	EXISTING (3) TO REMAIN - 1 PER SECTOR
VZS01 ANTENNA	3	-	SAMSUNG INTEGRATED
CBRS ANTENNA/RRH	-	-	EXISTING (3) TO REMAIN - 1 PER SECTOR
QUINTEL AWS-700-850-LTE ANTENNA	-	-	EXISTING (3) TO REMAIN - 1 PER SECTOR
QUINTEL PCS-700-850-LTE ANTENNA	-	-	EXISTING (3) TO REMAIN - 1 PER SECTOR
QUINTEL DUAL MOUNTING BRACKET	-	-	EXISTING (3) TO REMAIN - 1 PER SECTOR
850-CDMA ANTENNA	-	-	EXISTING (6) TO REMAIN - 2 PER SECTOR

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

GENERAL NOTES:

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

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VZS01
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SITE ADDRESS:
GREENWICH HOSPITAL
5 PERRYRIDGE RD.
GREENWICH, CT 06830

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

SHEET NUMBER:
DE-4

GENERAL CONSTRUCTION NOTES:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

verizon

WIRELESS COMMUNICATIONS FACILITY

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2	03.04.21	REVISED PER 2C CERTIFICATION

NO	DATE	DESCRIPTION

DRAWN BY:	AS
CHECKED BY:	DW

PROJECT NAME:

ANTMO
VZS01
DESIGN EXHIBITS

SITE NAME:

GREENWICH CT

SITE ADDRESS:

GREENWICH HOSPITAL
5 PERRYRIDGE RD.
GREENWICH, CT 06830

SHEET TITLE:

GENERAL CONSTRUCTION NOTES

SHEET NUMBER:

DE-5

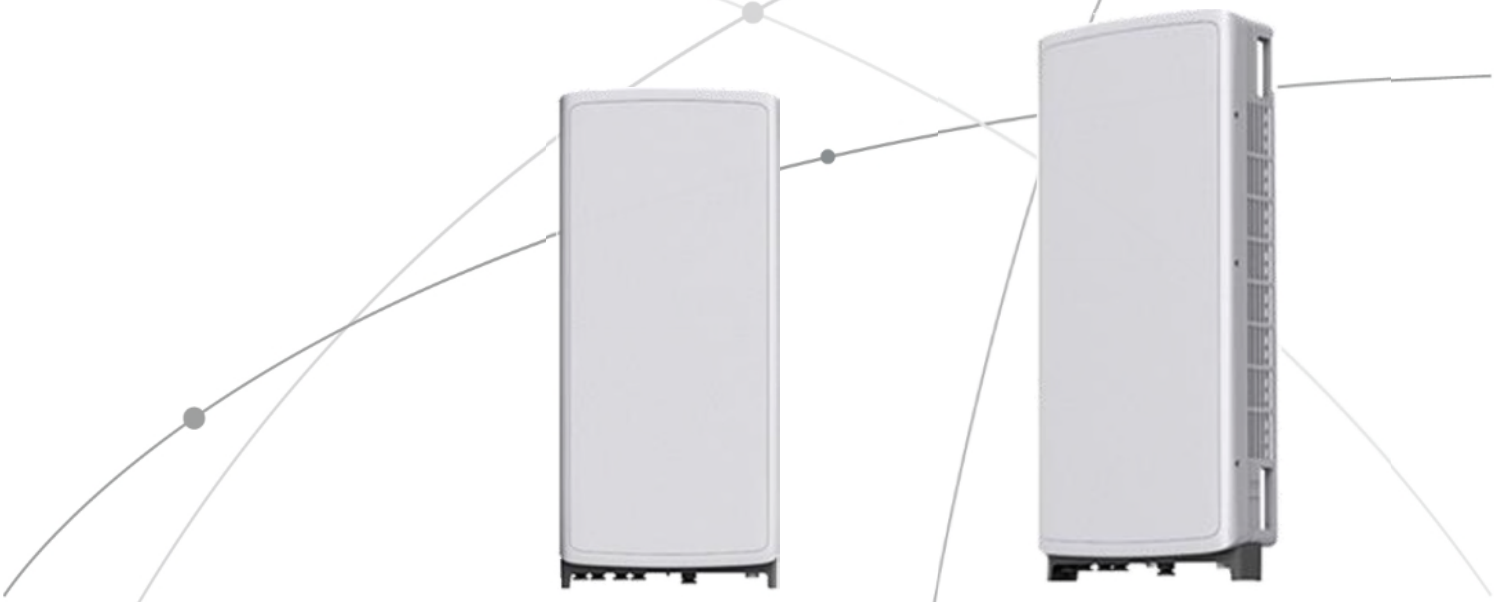
SAMSUNG

SAMSUNG C-Band 64T64R Massive MIMO Radio

for High Capacity and Wide Coverage

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

Model Code : MT6407-77A

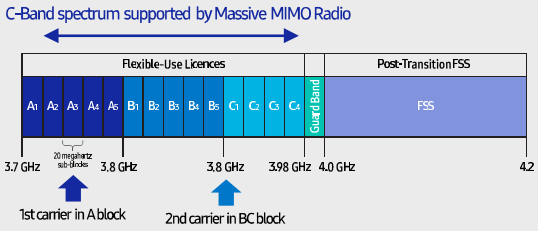


Points of Differentiation

Wide Bandwidth

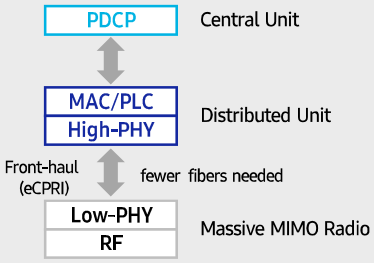
With capability to support up to 2 CC carrier configuration, Samsung C-Band massive MIMO Radio supports 200 MHz bandwidth in the C-Band spectrum.

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



Future Proof Product

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



Enhanced Performance

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

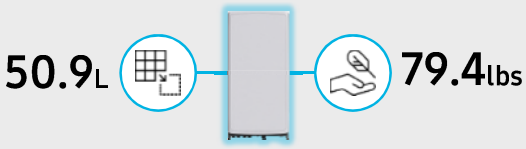
This helps operators reduce their CAPEX as they now need less products to cover the same area than before.

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

Well Matched Design

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

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



Technical Specifications

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

SAMSUNG

About Samsung Electronics Co., Ltd.

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

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

ATTACHMENT 3

	General	Power	Density					
Site Name: Greenwich								
Tower Height: Verizon @ 124ft								
CARRIER	**# OF CHAN.**	**WATTS ERP**	**HEIGHT**	**CALC. POWER DENS**	**FREQ.**	**MAX. PERMISS.EXP.**	**FRACTION MPE**	**Total**
*Eversource	1	250	116.5	937		0.6247	0.11%	
*Eversource	1	250	116.5	154		0.2000	11.55%	
*Eversource	1	250	112	37		0.2000	8.78%	
*Eversource	4	124	109	220	0.0168	0.2000	0.84%	
*AT&T-UMTS	2	414	134	850	0.0182	0.5667	0.32%	
*AT&T-LTE	2	487	134	700	0.0214	0.4667	0.46%	
*AT&T-LTE	2	546	134	850	0.0240	0.5667	0.42%	
*AT&T-PCS-LTE	4	971	134	1900	0.0853	1.0000	0.85%	
*AT&T-WCS-LTE	4	917	134	2300	0.0805	1.0000	0.81%	
*AT&T-LTE	4	736	134	700	0.0646	0.4667	1.38%	
*AT&T-AWS-LTE	4	1181	134	2100	0.1037	1.0000	1.04%	
*AT&T-LTE	2	627	134	700	0.0275	0.4667	0.59%	
*MW to Bruce	1	4878	160	17960	0.0740	1.0000	0.74%	
*MW to PD	1	122	160	18762	0.0018	1.0000	0.02%	
*MW to Putnam	1	4878	160	17500	0.0740	1.0000	0.74%	
*Trunked System	1	148	164	886.7875	0.0021	0.5912	0.04%	
*Trunked System	1	148	164	867.0625	0.0021	0.5780	0.04%	
*Trunked System	1	148	164	868.15	0.0021	0.5788	0.04%	
*Trunked System	1	148	164	868.4	0.0021	0.5789	0.04%	
*Trunked System	1	148	164	868.7	0.0021	0.5791	0.04%	
*Trunked System	1	148	164	868.7	0.0021	0.5791	0.04%	
*Mutual Aid	1	218	155	866.0125	0.0035	0.5773	0.06%	
*Mutual Aid	1	218	155	866.5125	0.0035	0.5777	0.06%	
*CMED	1	150	151	463	0.0026	0.3087	0.08%	
*Fire Paging	1	100	125	164.175	0.0025	0.2000	0.13%	
*SP Hotline	1	100	110	154.175	0.0033	0.2000	0.17%	
*Sprint	3	69	155	1900	0.0034	1.0000	0.03%	
*Sprint	1	39	155	850	0.0006	0.5667	0.01%	
*Sprint	2	69	155	2500	0.0022	1.0000	0.02%	
*Clearwire	2	153	154	2496	0.0050	1.0000	0.05%	
*Clearwire	1	211	154	11 GHz	0.0035	1.0000	0.03%	
*T-Mobile	2	6413	144	2500	0.2422	1.0000	2.42%	
*T-Mobile	2	6413	144	2500	0.2422	1.0000	2.42%	
*T-Mobile	2	649	144	700	0.0245	0.4667	0.53%	
*T-Mobile	2	592	144	600	0.0224	0.4000	0.56%	
*T-Mobile	1	1578	144	600	0.0298	0.4000	0.74%	
*T-Mobile	2	2204	144	1900	0.0832	1.0000	0.83%	
*T-Mobile	2	1295	144	2100	0.0489	1.0000	0.49%	
*T-Mobile	2	2308	144	2100	0.0872	1.0000	0.87%	
*T-Mobile	2	2057	144	1900	0.0777	1.0000	0.78%	
*T-Mobile	4	1028	144	1900	0.0776	1.0000	0.78%	
*Nextel	12	100	113	851	0.0377	0.5673	0.66%	
*Sprint	3	562	154	2657	0.0277	1.0000	0.28%	
VZW 700	**4**	**589**	**124**	**0.0055**	**751**	**0.5007**	**1.10%**	
VZW CDMA	**2**	**341**	**124**	**0.0016**	**877.26**	**0.5848**	**0.27%**	
VZW Cellular	**4**	**724**	**124**	**0.0068**	**874**	**0.5827**	**1.16%**	
VZW PCS	**4**	**2041**	**124**	**0.0191**	**1980**	**1.0000**	**1.91%**	
VZW AWS	**4**	**2343**	**124**	**0.0219**	**2120**	**1.0000**	**2.19%**	
VZW CBRS	**4**	**11**	**124**	**0.0001**	**3625**	**1.0000**	**0.01%**	
VZW CBAND	**4**	**6531**	**124**	**0.0611**	**3730.005**	**1.0000**	**6.11%**	
								53.63%
* Source: Siting Council								

ATTACHMENT 4

PAUL J. FORD & COMPANY

Report Date: July 13, 2021

Client: On Air Engineering, LLC
88 Foundry Pond Road
Cold Spring, NY 10516
Attn: David Weinpahl, P.E.
(201) 456-4624
dweinpahl@onaireng.com

Structure: Existing 163-ft Monopole
Verizon Site Name: Greenwich CT
Site Address: 5 Perryridge Rd.
City, County, State: Greenwich, Fairfield County, CT
Latitude, Longitude: 41° 02' 03.08" N, 73° 37' 50.89" W

PJF Project: A42921-0002.002.7805

Paul J. Ford and Company is pleased to submit this "**Structural Analysis Report**" to determine the tower stress level.

Analysis Criteria:

This analysis utilizes an ultimate 3-second gust wind speed of 130 mph (converted to an equivalent 101 mph nominal 3-second gust wind speed per Section 1609.3.1 for use with TIA-222 G) as required by the 2018 Connecticut State Building Code and Appendix N. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Proposed Appurtenance Loads:
The structure was analyzed with the proposed loading configuration shown in Table 1 combined with the other considered equipment shown in Table 2 of this report.

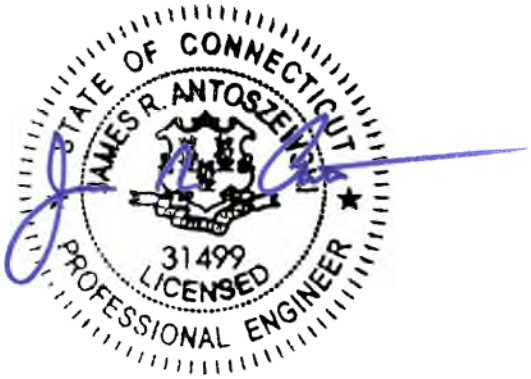
Summary of Analysis Results:
Existing Structure: Pass – 58.2%
Existing Foundation: Pass – 69.8%

We at Paul J. Ford and Company appreciate the opportunity of providing our continuing professional services to you and On Air Engineering, LLC. If you have any questions or need further assistance on this or any other projects, please give us a call.

Respectfully Submitted by:
Paul J. Ford and Company

Nathan C. Miller

Nathan C. Miller, E.I.
Structural Designer
nmiller@pauljford.com



07/16/2021

TABLE OF CONTENTS

1) INTRODUCTION

This tower is a 162.5 ft Monopole tower designed by EEI.

2) ANALYSIS CRITERIA

TIA-222 Revision: TIA-222-G
Risk Category: III
Ultimate/Nominal Wind Speed: 130/101 mph
Exposure Category: C
Topographic Factor: 1
Ice Thickness: 0.75 in
Wind Speed with Ice: 50 mph
Service Wind Speed: 60 mph

Table 1 - Proposed Equipment Configuration

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
123.0	124.0	2	raycap	RRFDC-3315-PF-48	2 12	Hybrid 1-5/8" Coax
		6	decibel	DB844H65E-XY w/ Mount Pipe		
		3	samsung telecommunications	64T64R MMU w/ Mount pipe		
		6	quintel technology	QS6656-5D w/ Mount Pipe		
		3	samsung telecommunications	B2/B66A RRH-BR049		
		3	samsung telecommunications	B5/B13 RRH-BR04C		
		3	samsung telecommunications	CBRS w/ Mount Pipe		
	121.5	1	tower mounts	Platform Mount w/ Kickers		

Table 2 - Other Considered Equipment

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
164.0	169.0	1	bird technologies group	432E-83I-01-T	2 2 6 7	1/2 7/8 1-1/4 1-5/8
		4	generic	12' x 3" Dia Omni		
		1	sinclair	SC229-SFXLDF		
		2	sinclair	SC479-HF1LDF		
	166.0	1	generic	Camera		
	164.0	1	tower mounts	Low Profile Platform		
160.0	160.0	1	microwave dishes	2 ft standard	3	1-1/4
		2	microwave dishes	4 ft standard		
		3	tower mounts	4'x4" Pipe Mount		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
154.0	157.0	1	GPS	GPS	1 6 2 2	1/2 1-5/8 5/8 Conduit
	156.0	2	dragonwave	A-ANT-23G-2-C		
	154.0	3	alcatel lucent	FD RRH 4x45 1900		
		3	alcatel lucent	FD-RRH-2x50-800		
		3	alcatel lucent	TD-RRH8x20-25		
		3	argus technologies	LLPX310R W/ Mount Pipe		
		2	clearwire	Horizon ODU		
		1	powerwave technologies	P40-16-XLPP-RR-A w/ Mount Pipe		
		2	rfs celwave	APXVSPP18-C-A20 w/ Mount Pipe		
		3	rfs celwave	APXVTM14-C-120 w/ Mount Pipe		
		1	tower mounts	Low Profile Platform		
	151.5	3	generic	RRH FD R6		
		1	generic	Valmont Uni-Tri Bracket		
144.0	144.0	3	commscope	SDX1926Q-43	6 6	1-5/8 6x12 (E)
		3	ericsson	AIR 32 w/ Mount Pipe		
		3	ericsson	AIR6449 B41 w/ Mount Pipe		
		3	ericsson	RADIO 4449 B12/B71		
		3	ericsson	RADIO 4415		
		3	generic	TMA (10" x 8" x 3")		
		3	rfs celwave	APXVAARR24_43-U-NA20 w/ Mount Pipe		
		1	tower mounts	Low Profile Platform w/ support rail		
138.0	138.0	3	ericsson	RRUS 11	---	---
		3	ericsson	RRUS 32		
		1	generic	Valmont Uni-Tri Bracket		
		2	raycap	DC6-48-60-18-8F		
134.0	134.0	3	cci antennas	HPA-65R-BUU-H6 w/ Mount Pipe	12 6 2	1-5/8 AWG Fiber
		6	cci antennas	TPX-070821		
		6	ericsson	RRUS 32		
		3	ericsson	RRUS 4478 B14		
		3	kathrein	80010965 w/ Mount Pipe		
		1	pole mounts	16' Low Profile Platform		
		3	powerwave technologies	7770.00 w/ Mount Pipe		
		6	powerwave technologies	LGP21401		
		3	quintel technology	QS66512-2 w/ Mount Pipe		
		1	raycap	DC6-48-60-18-8F		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
114.0	117.0	1	telewave	ANT220F2	1 4 2	1/2 7/8 1-5/8
	116.5	1	decibel	DB586-Y		
		1	telewave	ANT150F2		
	114.0	1	comprod	Comprod 531-70HD		
		1	generic	Tower Top Amplifier		
		1	tower mounts	Low Profile Platform		
	111.5	1	decibel	DB586-Y		
	111.0	1	comprod	Comprod 871F-70-2		
51.5	51.5	3	GPS	GPS	3	7/8 (E)

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Remarks	Reference	Source
Structural Analysis	Centek, 02/24/2011	21009.00	On Air Engineering, LLC
Mount Analysis	Maser, 12/08/2020	20777290A	
Mount Modification	Maser, 12/08/2020	20777290A	
Construction Drawings	Verizon, 02/08/2021	---	
RFDS	Verizon, 02/05/2021	---	

3.1) Analysis Method

tnxTower (version 8.1.1.0), a commercially available analysis software package, was used to create a three-dimensional model of the tower and calculate member stresses for various loading cases. Selected output from the analysis is included in Appendix A.

3.2) Assumptions

1) Tower and structures were maintained in accordance with the TIA-222 standard.
2) The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Tables 1 and 2 and the referenced drawings.
3) All coaxial cables are assumed to run internal to the monopole shaft, unless noted otherwise.
4) At the time of analysis, the tower manufacturer drawings, foundation drawings, and site-specific geotechnical report were not available. Therefore, we have assumed the tower geometry, foundation, and geotechnical information based on the referenced Structural Analysis.
5) The monopole manufacturer drawings are not available at the time of this analysis. Therefore, we have assumed the steel yield strength(s) (Fy) based on the referenced Structural Analysis as per the following:
   a) Anchor rods: ASTM A615 (Fu = 100 ksi, Fy = 75 ksi)
   b) Pole Shaft: ASTM A572 Gr 65
   c) Base Plate: ASTM A572 Gr 60
   d) Flange Plate: ASTM A36
   e) Flange Bolts: ASTM A325
6) The foundation drawings were not available at the time of this analysis. Therefore, we have assumed the material yield strengths (F'c and Fy) based on the referenced Structural Analysis as per the following:
   a) Concrete: 3000 PSI
   b) Foundation Reinforcing: ASTM A615 Gr 60
7) A site-specific geotechnical report is not available at the time of this analysis. Geotechnical information has been assumed based on the referenced Structural Analysis.

This analysis may be affected if any assumptions are not valid or have been made in error. Paul J. Ford and Company should be notified to determine the effect on the structural integrity of the tower.

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
L1	164 - 131.5	Pole	TP53.42x47x0.3125	1	-21.670	3227.770	14.5	Pass
L2	131.5 - 119.29	Pole	TP56.15x53.42x0.375	2	-23.703	4269.230	14.9	Pass
L3	119.29 - 78.79	Pole	TP62.97x54.0585x0.4375	3	-48.855	5667.380	34.5	Pass
L4	78.79 - 39.88	Pole	TP69.66x60.4813x0.5625	4	-73.006	8488.930	38.2	Pass
L5	39.88 - 1.5	Pole	TP76x66.7412x0.5625	5	-106.995	9152.010	52.0	Pass
							Summary	
						Pole (L5)	52.0	Pass
						RATING =	52.0	Pass

Table 5 - Tower Component Stresses vs. Capacity

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Flange Bolts	131.5	58.2	Pass
1	Flange Plate	131.5	48.6	Pass
1	Anchor Rods	0	54.6	Pass
1	Base Plate	0	43.1	Pass
1	Base Foundation Structural Steel	0	69.8	Pass
1	Base Foundation Soil Interaction	0	47.8	Pass

Structure Rating (max from all components) =	**69.8%**

Notes:
1) See additional documentation in “Appendix B – Additional Calculations” for calculations supporting the % capacity consumed.

4.1) Recommendations

The tower and its foundation have sufficient capacity to carry the proposed load configuration. No modifications are required at this time.

STANDARD CONDITIONS FOR FURNISHING OF PROFESSIONAL ENGINEERING SERVICES ON EXISTING STRUCTURES BY PAUL J. FORD AND COMPANY

1) Paul J. Ford and Company has not made a field inspection to verify the monopole dimensions or the antenna/coax loading. If the existing conditions are not as represented on these sketches, we should be contacted immediately to reevaluate any conclusions stated in this report.

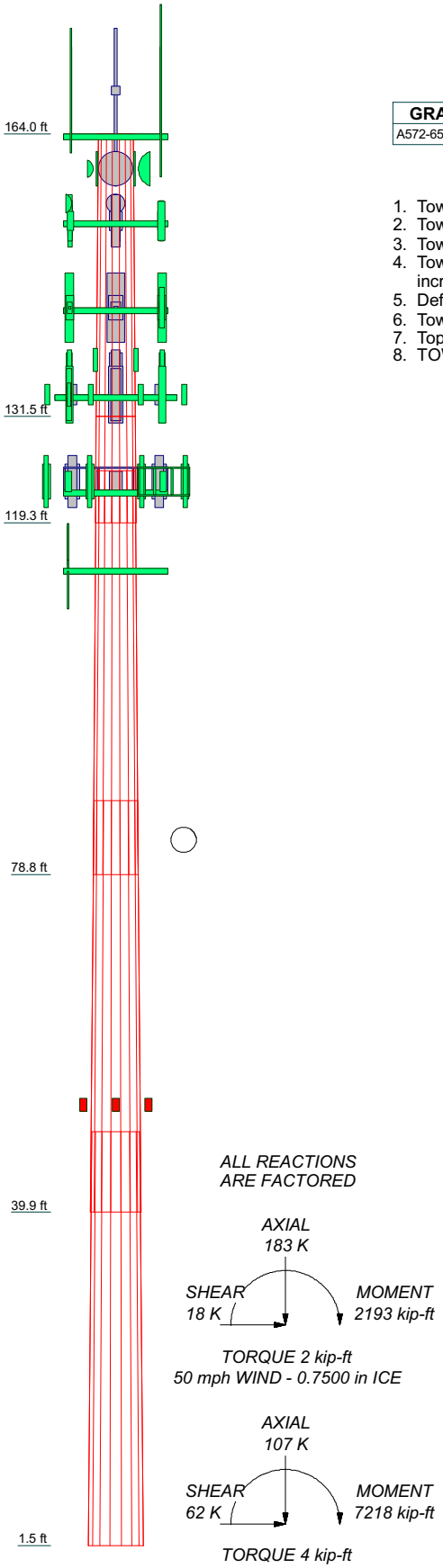
2) No allowance was made for any damaged, missing, or rusted material. The analysis of this monopole assumes that no physical deterioration has occurred in any of the structural components of the monopole and that all the structural members have the same load carrying capacity as the day the monopole was erected.

3) It is not possible to have all the detailed information to perform a thorough analysis of every structural sub-component of an existing monopole. The structural analysis provided by Paul J. Ford and Company verifies the adequacy of the main structural members of the monopole. Paul J. Ford and Company provides a limited scope of service in that we cannot verify the adequacy of every weld, plate, connection detail, etc.

APPENDIX A

TNXTOWER OUTPUT

Section	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1	32.5000	18	0.3125	6.0000	47.0000	53.4200	A572-65	5.5
2	12.2100	18	0.3750		53.4200	56.1500		2.7
3	46.5000	18	0.4375	8.4200	54.0585	62.9700		12.8
4	47.3300	18	0.5625	9.2500	60.4813	69.6600		18.5
5	47.6300	18	0.5625		66.7412	76.0000		20.5
								60.0



MATERIAL STRENGTH

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

TOWER DESIGN NOTES

1. Tower is located in Fairfield County, Connecticut.
2. Tower designed for Exposure C to the TIA-222-G Standard.
3. Tower designed for a 101 mph basic wind in accordance with the TIA-222-G Standard.
4. Tower is also designed for a 50 mph basic wind with 0.75 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Structure Class III.
7. Topographic Category 1 with Crest Height of 0.0000 ft
8. TOWER RATING: 52%

PJFLogo

Paul J. Ford and Company
250 E. Broad St., Ste 600
Columbus, OH 43215
Phone: 614-221-6679
FAX:

Job: ***164-Ft Monopole / Greenwich CT***			
Project: ***PJF 42921-0002***			
Client: On Air Engineering	Drawn by: Nathan Miller	App'd:	
Code: TIA-222-G	Date: 07/13/21	Scale: NTS	
Path: G:\TOWER\429_On Air Engineering\2021\42921-0002_Greenwich, CT\42921-0002.002.7805_SA Rerun\42921-0002.002.7805.eri		Dwg No. E-1	

Tower Input Data

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

- Tower is located in Fairfield County, Connecticut.
- ASCE 7-10 Wind Data is used (wind speeds converted to nominal values).
- Basic wind speed of 101 mph.
- Structure Class III.
- Exposure Category C.
- Topographic Category 1.
- Crest Height 0.0000 ft.
- Nominal ice thickness of 0.7500 in.
- Ice thickness is considered to increase with height.
- Ice density of 56.000 pcf.
- A wind speed of 50 mph is used in combination with ice.
- Temperature drop of 50 °F.
- Deflections calculated using a wind speed of 60 mph.
- A non-linear (P-delta) analysis was used.
- Pressures are calculated at each section.
- Stress ratio used in pole design is 1.
- Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

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

Tapered Pole Section Geometry

Section	*Elevation ft*	*Section Length ft*	*Splice Length ft*	*Number of Sides*	*Top Diameter in*	*Bottom Diameter in*	*Wall Thickness in*	*Bend Radius in*	*Pole Grade*
L1	164.0000-131.5000	32.5000	0.000	18	47.0000	53.4200	0.3125	1.2500	A572-65 (65 ksi)
L2	131.5000-119.2900	12.2100	6.000	18	53.4200	56.1500	0.3750	1.5000	A572-65 (65 ksi)
L3	119.2900-78.7900	46.5000	8.420	18	54.0585	62.9700	0.4375	1.7500	A572-65 (65 ksi)
L4	78.7900-39.8800	47.3300	9.250	18	60.4813	69.6600	0.5625	2.2500	A572-65 (65 ksi)
L5	39.8800-1.5000	47.6300		18	66.7412	76.0000	0.5625	2.2500	A572-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
L1	47.6768	46.3082	12752.5270	16.5741	23.8760	534.1149	25521.8341	23.1585	7.7220	24.71
	54.1959	52.6760	18769.9004	18.8532	27.1374	691.6627	37564.4987	26.3430	8.8519	28.326
L2	54.1862	63.1368	22444.4518	18.8310	27.1374	827.0684	44918.4365	31.5744	8.7419	23.312
	56.9584	66.3862	26091.2194	19.8001	28.5242	914.7047	52216.7704	33.1994	9.2224	24.593
L3	55.9925	74.4594	27047.4669	19.0354	27.4617	984.9157	54130.5236	37.2368	8.7443	19.987
	63.8739	86.8342	42898.2727	22.1990	31.9888	1341.0421	85852.9920	43.4253	10.3127	23.572
L4	62.9857	106.9776	48524.0652	21.2712	30.7245	1579.3269	97111.9796	53.4990	9.6547	17.164
	70.6478	123.3649	74413.8720	24.5296	35.3873	2102.8424	148925.6597	61.6942	11.2702	20.036
L5	69.5098	118.1537	65376.3617	23.4934	33.9045	1928.2498	130838.7474	59.0881	10.7564	19.123
	77.0856	134.6842	96834.1984	26.7803	38.6080	2508.1382	193795.8137	67.3549	12.3860	22.02

Tower Elevation ft	Gusset Area (per face) ft^2	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
L1 164.0000-131.5000				1	1	1			
L2 131.5000-119.2900				1	1	1			
L3 119.2900-78.7900				1	1	1			
L4 78.7900-39.8800				1	1	1			
L5 39.8800-1.5000				1	1	1			

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight klf
HCS 6X12 4AWG(1-5/8") ***	C	No	Surface Ar (CaAa)	144.0000 - 1.5000	6	3	0.000 0.000	1.6600		0.002
LDF5-50A (7/8" foam)	C	No	Surface Ar (CaAa)	51.5000 - 1.5000	3	3	0.000 0.000	1.0900		0.000

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight klf
LDF7-50A (1 5/8" foam)	C	No	No	Inside Pole	164.0000 - 1.5000	7	No Ice 1/2" Ice 1" Ice	0.0000 0.0000 0.0000	0.001 0.001 0.001

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight klf
LDF4-50A (1/2" foam)	C	No	No	Inside Pole	164.0000 - 1.5000	2	No Ice	0.0000	0.000
							1/2" Ice	0.0000	0.000
							1" Ice	0.0000	0.000
LDF6-50 (1 1/4" foam)	C	No	No	Inside Pole	164.0000 - 1.5000	6	No Ice	0.0000	0.001
							1/2" Ice	0.0000	0.001
							1" Ice	0.0000	0.001
LDF5-50A (7/8" foam)	C	No	No	Inside Pole	164.0000 - 1.5000	2	No Ice	0.0000	0.000
							1/2" Ice	0.0000	0.000
							1" Ice	0.0000	0.000
***									
LDF4-50A (1/2" foam)	C	No	No	Inside Pole	154.0000 - 1.5000	1	No Ice	0.0000	0.000
							1/2" Ice	0.0000	0.000
							1" Ice	0.0000	0.000
LDF7-50A (1 5/8" foam)	C	No	No	Inside Pole	154.0000 - 1.5000	6	No Ice	0.0000	0.001
							1/2" Ice	0.0000	0.001
							1" Ice	0.0000	0.001
2" (Nominal) Conduit	C	No	No	Inside Pole	154.0000 - 1.5000	2	No Ice	0.0000	0.001
							1/2" Ice	0.0000	0.001
							1" Ice	0.0000	0.001
LDF4.5-50 (5/8" foam)	C	No	No	Inside Pole	154.0000 - 1.5000	2	No Ice	0.0000	0.000
							1/2" Ice	0.0000	0.000
							1" Ice	0.0000	0.000
***									
LDF7-50A (1 5/8" foam)	C	No	No	Inside Pole	144.0000 - 1.5000	6	No Ice	0.0000	0.001
							1/2" Ice	0.0000	0.001
							1" Ice	0.0000	0.001
***									
LDF7-50A (1 5/8" foam)	C	No	No	Inside Pole	134.0000 - 1.5000	12	No Ice	0.0000	0.001
							1/2" Ice	0.0000	0.001
							1" Ice	0.0000	0.001
#8 AWG Copper Wire	C	No	No	Inside Pole	134.0000 - 1.5000	6	No Ice	0.0000	0.000
							1/2" Ice	0.0000	0.000
							1" Ice	0.0000	0.000
1" Fiber	C	No	No	Inside Pole	134.0000 - 1.5000	2	No Ice	0.0000	0.001
							1/2" Ice	0.0000	0.001
							1" Ice	0.0000	0.001
***									
Coax	C	No	No	Inside Pole	124.0000 - 1.5000	12	No Ice	0.0000	0.001
							1/2" Ice	0.0000	0.001
							1" Ice	0.0000	0.001
Hybrid	C	No	No	Inside Pole	124.0000 - 1.5000	2	No Ice	0.0000	0.001
							1/2" Ice	0.0000	0.001
							1" Ice	0.0000	0.001
***									
LDF5-50A (7/8" foam)	C	No	No	Inside Pole	114.0000 - 1.5000	4	No Ice	0.0000	0.000
							1/2" Ice	0.0000	0.000
							1" Ice	0.0000	0.000
LDF7-50A (1 5/8" foam)	C	No	No	Inside Pole	114.0000 - 1.5000	2	No Ice	0.0000	0.001
							1/2" Ice	0.0000	0.001
							1" Ice	0.0000	0.001
LDF4-50A (1/2" foam)	C	No	No	Inside Pole	114.0000 - 1.5000	1	No Ice	0.0000	0.000
							1/2" Ice	0.0000	0.000
							1" Ice	0.0000	0.000

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	164.0000-131.5000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	6.225	0.000	0.819

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L2	131.5000-119.2900	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	6.081	0.000	0.700
L3	119.2900-78.7900	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	20.169	0.000	2.758
L4	78.7900-39.8800	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	23.177	0.000	2.678
L5	39.8800-1.5000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	31.663	0.000	2.668

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	164.0000-131.5000	A	2.178	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	14.587	0.000	1.066
L2	131.5000-119.2900	A	2.143	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	14.141	0.000	0.937
L3	119.2900-78.7900	A	2.092	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	46.906	0.000	3.544
L4	78.7900-39.8800	A	1.988	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	55.403	0.000	3.549
L5	39.8800-1.5000	A	1.793	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	77.733	0.000	3.772

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	164.0000-131.5000	0.0000	1.8016	0.0000	1.9875
L2	131.5000-119.2900	0.0000	4.1241	0.0000	4.2662
L3	119.2900-78.7900	0.0000	4.1502	0.0000	4.3474
L4	78.7900-39.8800	0.0000	4.8950	0.0000	5.2307
L5	39.8800-1.5000	0.0000	6.4263	0.0000	6.8351

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

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L1	14	HCS 6X12 4AWG(1-5/8")	131.50 - 144.00	1.0000	1.0000
L2	14	HCS 6X12 4AWG(1-5/8")	119.29 - 131.50	1.0000	1.0000
L3	14	HCS 6X12 4AWG(1-5/8")	78.79 - 119.29	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L4	14	HCS 6X12 4AWG(1-5/8")	39.88 - 78.79	1.0000	1.0000
L4	27	LDF5-50A (7/8" foam)	39.88 - 51.50	1.0000	1.0000
L5	14	HCS 6X12 4AWG(1-5/8")	1.50 - 39.88	1.0000	1.0000
L5	27	LDF5-50A (7/8" foam)	1.50 - 39.88	1.0000	1.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
4'x4" Pipe Mount	A	From Leg	0.5000 0.000 0.000	0.000	160.0000	No Ice 1/2" Ice 1" Ice	1.0956 1.5766 1.8403	1.0956 1.5766 1.8403	0.044 0.057 0.073
4'x4" Pipe Mount	B	From Leg	0.5000 0.000 0.000	0.000	160.0000	No Ice 1/2" Ice 1" Ice	1.0956 1.5766 1.8403	1.0956 1.5766 1.8403	0.044 0.057 0.073
4'x4" Pipe Mount	C	From Leg	0.5000 0.000 0.000	0.000	160.0000	No Ice 1/2" Ice 1" Ice	1.0956 1.5766 1.8403	1.0956 1.5766 1.8403	0.044 0.057 0.073
12' x 3" Dia Omni	A	From Leg	4.0000 0.000 5.000	0.000	164.0000	No Ice 1/2" Ice 1" Ice	3.6000 4.8300 6.0800	3.6000 4.8300 6.0800	0.040 0.060 0.090
12' x 3" Dia Omni	B	From Leg	4.0000 0.000 5.000	0.000	164.0000	No Ice 1/2" Ice 1" Ice	3.6000 4.8300 6.0800	3.6000 4.8300 6.0800	0.040 0.060 0.090
12' x 3" Dia Omni	C	From Leg	4.0000 0.000 5.000	0.000	164.0000	No Ice 1/2" Ice 1" Ice	3.6000 4.8300 6.0800	3.6000 4.8300 6.0800	0.040 0.060 0.090
12' x 3" Dia Omni	C	From Leg	4.0000 0.000 5.000	0.000	164.0000	No Ice 1/2" Ice 1" Ice	3.6000 4.8300 6.0800	3.6000 4.8300 6.0800	0.040 0.060 0.090
Camera	B	From Leg	4.0000 0.000 2.000	0.000	164.0000	No Ice 1/2" Ice 1" Ice	3.0000 4.0000 5.0000	3.0000 4.0000 5.0000	0.100 0.150 0.200
SC479-HF1LDF	A	From Leg	4.0000 0.000 5.000	0.000	164.0000	No Ice 1/2" Ice 1" Ice	4.6299 6.5062 7.9979	4.6299 6.5062 7.9979	0.034 0.070 0.115
SC229-SFXLDF	B	From Leg	4.0000 0.000 5.000	0.000	164.0000	No Ice 1/2" Ice 1" Ice	5.9500 7.9667 10.0000	5.9500 7.9667 10.0000	0.032 0.075 0.130
SC479-HF1LDF	C	From Leg	4.0000 0.000 5.000	0.000	164.0000	No Ice 1/2" Ice 1" Ice	4.6299 6.5062 7.9979	4.6299 6.5062 7.9979	0.034 0.070 0.115
432E-83I-01-T	A	From Leg	4.0000 0.000 5.000	0.000	164.0000	No Ice 1/2" Ice	1.2000 1.3370 1.4815	0.7500 0.8620 0.9815	0.025 0.037 0.050

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft	Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
							1" Ice			
Low Profile Platform	C	None			0.000	164.0000	No Ice	15.7000	15.7000	1.300
							1/2" Ice	20.1000	20.1000	1.760
							1" Ice	24.5000	24.5000	2.220
***										
LLPX310R W/ Mount Pipe_TIA	A	From Leg	4.0000	0.000	0.000	154.0000	No Ice	4.5380	2.9846	0.057
			0.000				1/2" Ice	4.8915	3.5275	0.095
			0.000				1" Ice	5.2541	4.0872	0.139
LLPX310R W/ Mount Pipe_TIA	B	From Leg	4.0000	0.000	0.000	154.0000	No Ice	4.5380	2.9846	0.057
			0.000				1/2" Ice	4.8915	3.5275	0.095
			0.000				1" Ice	5.2541	4.0872	0.139
LLPX310R W/ Mount Pipe_TIA	C	From Leg	4.0000	0.000	0.000	154.0000	No Ice	4.5380	2.9846	0.057
			0.000				1/2" Ice	4.8915	3.5275	0.095
			0.000				1" Ice	5.2541	4.0872	0.139
RRH FD R6	A	From Leg	4.0000	0.000	0.000	154.0000	No Ice	1.8000	0.7800	0.030
			0.000				1/2" Ice	1.9900	0.9200	0.040
			-2.500				1" Ice	2.1800	1.0700	0.060
RRH FD R6	B	From Leg	4.0000	0.000	0.000	154.0000	No Ice	1.8000	0.7800	0.030
			0.000				1/2" Ice	1.9900	0.9200	0.040
			-2.500				1" Ice	2.1800	1.0700	0.060
RRH FD R6	C	From Leg	4.0000	0.000	0.000	154.0000	No Ice	1.8000	0.7800	0.030
			0.000				1/2" Ice	1.9900	0.9200	0.040
			-2.500				1" Ice	2.1800	1.0700	0.060
Clearwire ODU	A	From Leg	4.0000	0.000	0.000	154.0000	No Ice	1.6700	0.2946	0.012
			0.000				1/2" Ice	1.8331	0.4028	0.021
			0.000				1" Ice	2.0037	0.5140	0.032
Clearwire ODU	C	From Leg	4.0000	0.000	0.000	154.0000	No Ice	1.6700	0.2946	0.012
			0.000				1/2" Ice	1.8331	0.4028	0.021
			0.000				1" Ice	2.0037	0.5140	0.032
APXVSPP18-C-A20_TIA w/ Mount Pipe	A	From Leg	4.0000	0.000	0.000	154.0000	No Ice	8.2619	7.4708	0.095
			0.000				1/2" Ice	8.8215	8.6564	0.166
			0.000				1" Ice	9.3462	9.5559	0.244
P40-16-XLPP-RR-A_TIA w/ Mount Pipe	B	From Leg	4.0000	0.000	0.000	154.0000	No Ice	9.3042	4.8250	0.084
			0.000				1/2" Ice	9.7754	5.5706	0.152
			0.000				1" Ice	10.2430	6.2654	0.227
APXVSPP18-C-A20_TIA w/ Mount Pipe	C	From Leg	4.0000	0.000	0.000	154.0000	No Ice	8.2619	7.4708	0.095
			0.000				1/2" Ice	8.8215	8.6564	0.166
			0.000				1" Ice	9.3462	9.5559	0.244
FD RRH 4x45 1900	A	From Leg	4.0000	0.000	0.000	154.0000	No Ice	2.3199	2.2384	0.060
			0.000				1/2" Ice	2.5246	2.4409	0.083
			0.000				1" Ice	2.7367	2.6509	0.109
FD RRH 4x45 1900	B	From Leg	4.0000	0.000	0.000	154.0000	No Ice	2.3199	2.2384	0.060
			0.000				1/2" Ice	2.5246	2.4409	0.083
			0.000				1" Ice	2.7367	2.6509	0.109
FD RRH 4x45 1900	C	From Leg	4.0000	0.000	0.000	154.0000	No Ice	2.3199	2.2384	0.060
			0.000				1/2" Ice	2.5246	2.4409	0.083
			0.000				1" Ice	2.7367	2.6509	0.109

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
FD-RRH-2x50-800	A	From Leg	4.0000 0.000 0.000	0.000	154.0000	No Ice 1/2" Ice 1" Ice	1.3617 1.5187 1.6831	3.0083 3.2231 3.4454	0.053 0.077 0.104
FD-RRH-2x50-800	B	From Leg	4.0000 0.000 0.000	0.000	154.0000	No Ice 1/2" Ice 1" Ice	1.3617 1.5187 1.6831	3.0083 3.2231 3.4454	0.053 0.077 0.104
FD-RRH-2x50-800	C	From Leg	4.0000 0.000 0.000	0.000	154.0000	No Ice 1/2" Ice 1" Ice	1.3617 1.5187 1.6831	3.0083 3.2231 3.4454	0.053 0.077 0.104
GPS	C	From Leg	4.0000 0.000 3.000	0.000	154.0000	No Ice 1/2" Ice 1" Ice	1.0000 1.5000 2.0000	1.0000 1.5000 2.0000	0.010 0.010 0.020
APXVTM14-C-120_TIA w/ Mount Pipe	A	From Leg	4.0000 0.000 0.000	0.000	154.0000	No Ice 1/2" Ice 1" Ice	6.5799 7.0306 7.4733	4.9591 5.7544 6.4723	0.077 0.132 0.193
APXVTM14-C-120_TIA w/ Mount Pipe	B	From Leg	4.0000 0.000 0.000	0.000	154.0000	No Ice 1/2" Ice 1" Ice	6.5799 7.0306 7.4733	4.9591 5.7544 6.4723	0.077 0.132 0.193
APXVTM14-C-120_TIA w/ Mount Pipe	C	From Leg	4.0000 0.000 0.000	0.000	154.0000	No Ice 1/2" Ice 1" Ice	6.5799 7.0306 7.4733	4.9591 5.7544 6.4723	0.077 0.132 0.193
TD-RRH8x20-25	A	From Leg	4.0000 0.000 0.000	0.000	154.0000	No Ice 1/2" Ice 1" Ice	4.0455 4.2975 4.5570	1.5345 1.7142 1.9008	0.070 0.097 0.128
TD-RRH8x20-25	B	From Leg	4.0000 0.000 0.000	0.000	154.0000	No Ice 1/2" Ice 1" Ice	4.0455 4.2975 4.5570	1.5345 1.7142 1.9008	0.070 0.097 0.128
TD-RRH8x20-25	C	From Leg	4.0000 0.000 0.000	0.000	154.0000	No Ice 1/2" Ice 1" Ice	4.0455 4.2975 4.5570	1.5345 1.7142 1.9008	0.070 0.097 0.128
Valmont Uni-Tri Bracket	A	From Leg	4.0000 0.000 -2.500	0.000	154.0000	No Ice 1/2" Ice 1" Ice	1.7500 1.9400 2.1300	1.7500 1.9400 2.1300	0.290 0.310 0.320
Low Profile Platform	C	None		0.000	154.0000	No Ice 1/2" Ice 1" Ice	15.7000 20.1000 24.5000	15.7000 20.1000 24.5000	1.300 1.760 2.220
***									
AIR 32 w/ Mount Pipe	A	From Leg	4.0000 0.000 0.000	0.000	144.0000	No Ice 1/2" Ice 1" Ice	6.7072 7.1410 7.5737	6.0286 6.7836 7.4874	0.126 0.186 0.254
AIR 32 w/ Mount Pipe	B	From Leg	4.0000 0.000 0.000	0.000	144.0000	No Ice 1/2" Ice 1" Ice	6.7072 7.1410 7.5737	6.0286 6.7836 7.4874	0.126 0.186 0.254
AIR 32 w/ Mount Pipe	C	From Leg	4.0000 0.000 0.000	0.000	144.0000	No Ice 1/2" Ice 1" Ice	6.7072 7.1410 7.5737	6.0286 6.7836 7.4874	0.126 0.186 0.254

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
APXVAARR24_43-U-NA20_TIA w/ Mount Pipe	A	From Leg	4.0000 0.000 0.000	0.000	144.0000	No Ice 1/2" Ice 1" Ice	20.4801 21.2306 21.9900	11.0240 12.5496 14.0992	0.186 0.322 0.469
APXVAARR24_43-U-NA20_TIA w/ Mount Pipe	B	From Leg	4.0000 0.000 0.000	0.000	144.0000	No Ice 1/2" Ice 1" Ice	20.4801 21.2306 21.9900	11.0240 12.5496 14.0992	0.186 0.322 0.469
APXVAARR24_43-U-NA20_TIA w/ Mount Pipe	C	From Leg	4.0000 0.000 0.000	0.000	144.0000	No Ice 1/2" Ice 1" Ice	20.4801 21.2306 21.9900	11.0240 12.5496 14.0992	0.186 0.322 0.469
RADIO 4449 B12/B71	A	From Leg	4.0000 0.000 0.000	0.000	144.0000	No Ice 1/2" Ice 1" Ice	1.6500 1.8104 1.9781	1.1625 1.3012 1.4473	0.074 0.090 0.109
RADIO 4449 B12/B71	B	From Leg	4.0000 0.000 0.000	0.000	144.0000	No Ice 1/2" Ice 1" Ice	1.6500 1.8104 1.9781	1.1625 1.3012 1.4473	0.074 0.090 0.109
RADIO 4449 B12/B71	C	From Leg	4.0000 0.000 0.000	0.000	144.0000	No Ice 1/2" Ice 1" Ice	1.6500 1.8104 1.9781	1.1625 1.3012 1.4473	0.074 0.090 0.109
TMA (10" x 8" x 3")	A	From Leg	4.0000 0.000 0.000	0.000	144.0000	No Ice 1/2" Ice 1" Ice	0.6667 0.7704 0.8815	0.2600 0.3300 0.4100	0.025 0.031 0.038
TMA (10" x 8" x 3")	B	From Leg	4.0000 0.000 0.000	0.000	144.0000	No Ice 1/2" Ice 1" Ice	0.6667 0.7704 0.8815	0.2600 0.3300 0.4100	0.025 0.031 0.038
TMA (10" x 8" x 3")	C	From Leg	4.0000 0.000 0.000	0.000	144.0000	No Ice 1/2" Ice 1" Ice	0.6667 0.7704 0.8815	0.2600 0.3300 0.4100	0.025 0.031 0.038
AIR6449 B41_TIA w/ Mount Pipe	A	From Leg	4.0000 0.000 0.000	0.000	144.0000	No Ice 1/2" Ice 1" Ice	5.8932 6.2567 6.6301	3.2839 3.7423 4.2169	0.118 0.167 0.221
AIR6449 B41_TIA w/ Mount Pipe	B	From Leg	4.0000 0.000 0.000	0.000	144.0000	No Ice 1/2" Ice 1" Ice	5.8932 6.2567 6.6301	3.2839 3.7423 4.2169	0.118 0.167 0.221
AIR6449 B41_TIA w/ Mount Pipe	C	From Leg	4.0000 0.000 0.000	0.000	144.0000	No Ice 1/2" Ice 1" Ice	5.8932 6.2567 6.6301	3.2839 3.7423 4.2169	0.118 0.167 0.221
RADIO 4415	A	From Leg	4.0000 0.000 0.000	0.000	144.0000	No Ice 1/2" Ice 1" Ice	1.8566 2.0270 2.2049	0.8724 0.9989 1.1369	0.050 0.064 0.081
RADIO 4415	B	From Leg	4.0000 0.000 0.000	0.000	144.0000	No Ice 1/2" Ice 1" Ice	1.8566 2.0270 2.2049	0.8724 0.9989 1.1369	0.050 0.064 0.081
RADIO 4415	C	From Leg	4.0000 0.000 0.000	0.000	144.0000	No Ice 1/2" Ice 1" Ice	1.8566 2.0270 2.2049	0.8724 0.9989 1.1369	0.050 0.064 0.081
SDX1926Q-43	A	From Leg	4.0000 0.000	0.000	144.0000	No Ice	0.2410 0.3063	0.1013 0.1444	0.006 0.009

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0.000			1/2" Ice	0.3791	0.1948	0.012
						1" Ice			
SDX1926Q-43	B	From Leg	4.0000	0.000	144.0000	No Ice	0.2410	0.1013	0.006
			0.000			1/2" Ice	0.3063	0.1444	0.009
			0.000			1" Ice	0.3791	0.1948	0.012
SDX1926Q-43	C	From Leg	4.0000	0.000	144.0000	No Ice	0.2410	0.1013	0.006
			0.000			1/2" Ice	0.3063	0.1444	0.009
			0.000			1" Ice	0.3791	0.1948	0.012
Low Profile Platform	C	None		0.000	144.0000	No Ice	15.7000	15.7000	1.300
						1/2" Ice	20.1000	20.1000	1.760
						1" Ice	24.5000	24.5000	2.220
2.375" OD x 16' Mount Pipe	A	None		0.000	144.0000	No Ice	3.8000	3.8000	0.058
						1/2" Ice	5.4281	5.4281	0.086
						1" Ice	7.0729	7.0729	0.125
2.375" OD x 16' Mount Pipe	B	None		0.000	144.0000	No Ice	3.8000	3.8000	0.058
						1/2" Ice	5.4281	5.4281	0.086
						1" Ice	7.0729	7.0729	0.125
2.375" OD x 16' Mount Pipe	C	None		0.000	144.0000	No Ice	3.8000	3.8000	0.058
						1/2" Ice	5.4281	5.4281	0.086
						1" Ice	7.0729	7.0729	0.125
***									
RRUS 11	A	From Leg	4.0000	0.000	138.0000	No Ice	2.7908	1.1923	0.051
			0.000			1/2" Ice	2.9984	1.3395	0.072
			0.000			1" Ice	3.2134	1.4957	0.095
RRUS 11	B	From Leg	4.0000	0.000	138.0000	No Ice	2.7908	1.1923	0.051
			0.000			1/2" Ice	2.9984	1.3395	0.072
			0.000			1" Ice	3.2134	1.4957	0.095
RRUS 11	C	From Leg	4.0000	0.000	138.0000	No Ice	2.7908	1.1923	0.051
			0.000			1/2" Ice	2.9984	1.3395	0.072
			0.000			1" Ice	3.2134	1.4957	0.095
RRUS 32	A	From Leg	4.0000	0.000	138.0000	No Ice	2.8571	1.7766	0.055
			0.000			1/2" Ice	3.0830	1.9677	0.077
			0.000			1" Ice	3.3163	2.1658	0.103
RRUS 32	B	From Leg	4.0000	0.000	138.0000	No Ice	2.8571	1.7766	0.055
			0.000			1/2" Ice	3.0830	1.9677	0.077
			0.000			1" Ice	3.3163	2.1658	0.103
RRUS 32	C	From Leg	4.0000	0.000	138.0000	No Ice	2.8571	1.7766	0.055
			0.000			1/2" Ice	3.0830	1.9677	0.077
			0.000			1" Ice	3.3163	2.1658	0.103
DC6-48-60-18-8F	B	From Leg	0.5000	0.000	138.0000	No Ice	1.2117	1.2117	0.033
			0.000			1/2" Ice	1.8924	1.8924	0.055
			0.000			1" Ice	2.1051	2.1051	0.080
DC6-48-60-18-8F	C	From Leg	0.5000	0.000	138.0000	No Ice	1.2117	1.2117	0.033
			0.000			1/2" Ice	1.8924	1.8924	0.055
			0.000			1" Ice	2.1051	2.1051	0.080
Valmont Uni-Tri Bracket	C	None		0.000	138.0000	No Ice	1.7500	1.7500	0.290
							1.9400	1.9400	0.310

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
						1/2" Ice	2.1300	2.1300	0.320
						1" Ice			
7770.00 w/ Mount Pipe	A	From Leg	4.0000 0.000 0.000	0.000	134.0000	No Ice	5.7460	4.2543	0.055
						1/2" Ice	6.1791	5.0137	0.103
						1" Ice	6.6067	5.7109	0.157
7770.00 w/ Mount Pipe	B	From Leg	4.0000 0.000 0.000	0.000	134.0000	No Ice	5.7460	4.2543	0.055
						1/2" Ice	6.1791	5.0137	0.103
						1" Ice	6.6067	5.7109	0.157
7770.00 w/ Mount Pipe	C	From Leg	4.0000 0.000 0.000	0.000	134.0000	No Ice	5.7460	4.2543	0.055
						1/2" Ice	6.1791	5.0137	0.103
						1" Ice	6.6067	5.7109	0.157
QS66512-2_TIA w/ Mount Pipe	A	From Leg	4.0000 0.000 0.000	0.000	134.0000	No Ice	8.3708	8.4625	0.137
						1/2" Ice	8.9314	9.6573	0.212
						1" Ice	9.4571	10.5478	0.296
QS66512-2_TIA w/ Mount Pipe	B	From Leg	4.0000 0.000 0.000	0.000	134.0000	No Ice	8.3708	8.4625	0.137
						1/2" Ice	8.9314	9.6573	0.212
						1" Ice	9.4571	10.5478	0.296
QS66512-2_TIA w/ Mount Pipe	C	From Leg	4.0000 0.000 0.000	0.000	134.0000	No Ice	8.3708	8.4625	0.137
						1/2" Ice	8.9314	9.6573	0.212
						1" Ice	9.4571	10.5478	0.296
80010965_TIA w/ Mount Pipe	A	From Leg	4.0000 0.000 0.000	0.000	134.0000	No Ice	14.0513	7.6284	0.136
						1/2" Ice	14.6885	8.9027	0.233
						1" Ice	15.3033	9.9625	0.338
80010965_TIA w/ Mount Pipe	B	From Leg	4.0000 0.000 0.000	0.000	134.0000	No Ice	14.0513	7.6284	0.136
						1/2" Ice	14.6885	8.9027	0.233
						1" Ice	15.3033	9.9625	0.338
80010965_TIA w/ Mount Pipe	C	From Leg	4.0000 0.000 0.000	0.000	134.0000	No Ice	14.0513	7.6284	0.136
						1/2" Ice	14.6885	8.9027	0.233
						1" Ice	15.3033	9.9625	0.338
HPA-65R-BUU-H6_TIA w/ Mount Pipe	A	From Leg	4.0000 0.000 0.000	0.000	134.0000	No Ice	9.7235	7.1545	0.074
						1/2" Ice	10.2979	8.3411	0.149
						1" Ice	10.8378	9.2445	0.233
HPA-65R-BUU-H6_TIA w/ Mount Pipe	B	From Leg	4.0000 0.000 0.000	0.000	134.0000	No Ice	9.7235	7.1545	0.074
						1/2" Ice	10.2979	8.3411	0.149
						1" Ice	10.8378	9.2445	0.233
HPA-65R-BUU-H6_TIA w/ Mount Pipe	C	From Leg	4.0000 0.000 0.000	0.000	134.0000	No Ice	9.7235	7.1545	0.074
						1/2" Ice	10.2979	8.3411	0.149
						1" Ice	10.8378	9.2445	0.233
(2) LGP21401	A	From Leg	4.0000 0.000 0.000	0.000	134.0000	No Ice	1.1040	0.3471	0.014
						1/2" Ice	1.2388	0.4422	0.021
						1" Ice	1.3810	0.5444	0.030
(2) LGP21401	B	From Leg	4.0000 0.000 0.000	0.000	134.0000	No Ice	1.1040	0.3471	0.014
						1/2" Ice	1.2388	0.4422	0.021
						1" Ice	1.3810	0.5444	0.030
(2) LGP21401	C	From Leg	4.0000 0.000 0.000	0.000	134.0000	No Ice	1.1040	0.3471	0.014
						1/2" Ice	1.2388	0.4422	0.021
						1" Ice	1.3810	0.5444	0.030

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
						1" Ice			
(2) TPX-070821	A	From Leg	4.0000 0.000 0.000	0.000	134.0000	No Ice 1/2" Ice 1" Ice	0.4688 0.5585 0.6556	0.1009 0.1471 0.2020	0.008 0.011 0.016
(2) TPX-070821	B	From Leg	4.0000 0.000 0.000	0.000	134.0000	No Ice 1/2" Ice 1" Ice	0.4688 0.5585 0.6556	0.1009 0.1471 0.2020	0.008 0.011 0.016
(2) TPX-070821	C	From Leg	4.0000 0.000 0.000	0.000	134.0000	No Ice 1/2" Ice 1" Ice	0.4688 0.5585 0.6556	0.1009 0.1471 0.2020	0.008 0.011 0.016
(2) RRUS 32	A	From Leg	4.0000 0.000 0.000	0.000	134.0000	No Ice 1/2" Ice 1" Ice	2.8571 3.0830 3.3163	1.7766 1.9677 2.1658	0.055 0.077 0.103
(2) RRUS 32	B	From Leg	4.0000 0.000 0.000	0.000	134.0000	No Ice 1/2" Ice 1" Ice	2.8571 3.0830 3.3163	1.7766 1.9677 2.1658	0.055 0.077 0.103
(2) RRUS 32	C	From Leg	4.0000 0.000 0.000	0.000	134.0000	No Ice 1/2" Ice 1" Ice	2.8571 3.0830 3.3163	1.7766 1.9677 2.1658	0.055 0.077 0.103
RRUS 4478 B14	A	From Leg	4.0000 0.000 0.000	0.000	134.0000	No Ice 1/2" Ice 1" Ice	2.0212 2.1999 2.3860	1.2459 1.3960 1.5536	0.059 0.077 0.097
RRUS 4478 B14	B	From Leg	4.0000 0.000 0.000	0.000	134.0000	No Ice 1/2" Ice 1" Ice	2.0212 2.1999 2.3860	1.2459 1.3960 1.5536	0.059 0.077 0.097
RRUS 4478 B14	C	From Leg	4.0000 0.000 0.000	0.000	134.0000	No Ice 1/2" Ice 1" Ice	2.0212 2.1999 2.3860	1.2459 1.3960 1.5536	0.059 0.077 0.097
DC6-48-60-18-8F	C	From Leg	4.0000 0.000 0.000	0.000	134.0000	No Ice 1/2" Ice 1" Ice	1.2117 1.8924 2.1051	1.2117 1.8924 2.1051	0.033 0.055 0.080
16' Low Profile Platform	C	None		0.000	134.0000	No Ice 1/2" Ice 1" Ice	40.0000 50.0000 60.0000	40.0000 50.0000 60.0000	1.875 3.000 4.125
***									
(2) DB844H65E-XY_TIA w/ Mount Pipe	A	From Leg	4.0000 0.000 1.000	0.000	123.0000	No Ice 1/2" Ice 1" Ice	8.4375 8.8834 9.3374	5.1653 5.7840 6.4131	0.049 0.117 0.191
(2) DB844H65E-XY_TIA w/ Mount Pipe	B	From Leg	4.0000 0.000 1.000	0.000	123.0000	No Ice 1/2" Ice 1" Ice	8.4375 8.8834 9.3374	5.1653 5.7840 6.4131	0.049 0.117 0.191
(2) DB844H65E-XY_TIA w/ Mount Pipe	C	From Leg	4.0000 0.000 1.000	0.000	123.0000	No Ice 1/2" Ice 1" Ice	8.4375 8.8834 9.3374	5.1653 5.7840 6.4131	0.049 0.117 0.191
(2) QS6656-5D_TIA w/ Mount Pipe	A	From Leg	4.0000 0.000 1.000	0.000	123.0000	No Ice 1/2" Ice 1" Ice	8.3708 8.9314 9.4571	8.4625 9.6573 10.5478	0.114 0.189 0.273

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
(2) QS6656-5D_TIA w/ Mount Pipe	B	From Leg	4.0000 0.000 1.000	0.000	123.0000	No Ice 1/2" Ice 1" Ice	8.3708 8.9314 9.4571	8.4625 9.6573 10.5478	0.114 0.189 0.273
(2) QS6656-5D_TIA w/ Mount Pipe	C	From Leg	4.0000 0.000 1.000	0.000	123.0000	No Ice 1/2" Ice 1" Ice	8.3708 8.9314 9.4571	8.4625 9.6573 10.5478	0.114 0.189 0.273
AS-005245 Dual Bracket	A	From Leg	4.0000 0.000 1.000	0.000	123.0000	No Ice 1/2" Ice 1" Ice	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.000 0.000 0.000
AS-005245 Dual Bracket	B	From Leg	4.0000 0.000 1.000	0.000	123.0000	No Ice 1/2" Ice 1" Ice	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.000 0.000 0.000
AS-005245 Dual Bracket	C	From Leg	4.0000 0.000 1.000	0.000	123.0000	No Ice 1/2" Ice 1" Ice	0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.000 0.000 0.000
CBRS_TIA w/ Mount Pipe	A	From Leg	4.0000 0.000 1.000	0.000	123.0000	No Ice 1/2" Ice 1" Ice	1.7135 1.9342 2.1662	1.1683 1.4373 1.7226	0.032 0.050 0.072
CBRS_TIA w/ Mount Pipe	B	From Leg	4.0000 0.000 1.000	0.000	123.0000	No Ice 1/2" Ice 1" Ice	1.7135 1.9342 2.1662	1.1683 1.4373 1.7226	0.032 0.050 0.072
CBRS_TIA w/ Mount Pipe	C	From Leg	4.0000 0.000 1.000	0.000	123.0000	No Ice 1/2" Ice 1" Ice	1.7135 1.9342 2.1662	1.1683 1.4373 1.7226	0.032 0.050 0.072
B2/B66A RRH-BR049	A	From Leg	4.0000 0.000 1.000	0.000	123.0000	No Ice 1/2" Ice 1" Ice	1.8750 2.0454 2.2231	1.0125 1.1445 1.2840	0.070 0.087 0.106
B2/B66A RRH-BR049	B	From Leg	4.0000 0.000 1.000	0.000	123.0000	No Ice 1/2" Ice 1" Ice	1.8750 2.0454 2.2231	1.0125 1.1445 1.2840	0.070 0.087 0.106
B2/B66A RRH-BR049	C	From Leg	4.0000 0.000 1.000	0.000	123.0000	No Ice 1/2" Ice 1" Ice	1.8750 2.0454 2.2231	1.0125 1.1445 1.2840	0.070 0.087 0.106
B5/B13 RRH-BR04C	A	From Leg	4.0000 0.000 1.000	0.000	123.0000	No Ice 1/2" Ice 1" Ice	1.8750 2.0454 2.2231	1.0125 1.1445 1.2840	0.070 0.087 0.106
B5/B13 RRH-BR04C	B	From Leg	4.0000 0.000 1.000	0.000	123.0000	No Ice 1/2" Ice 1" Ice	1.8750 2.0454 2.2231	1.0125 1.1445 1.2840	0.070 0.087 0.106
B5/B13 RRH-BR04C	C	From Leg	4.0000 0.000 1.000	0.000	123.0000	No Ice 1/2" Ice 1" Ice	1.8750 2.0454 2.2231	1.0125 1.1445 1.2840	0.070 0.087 0.106
64T64R w/ Mount Pipe	A	From Leg	4.0000 0.000 1.000	0.000	123.0000	No Ice 1/2" Ice 1" Ice	4.6993 5.0287 5.3684	1.9928 2.3872 2.7978	0.087 0.123 0.164
64T64R w/ Mount Pipe	B	From Leg	4.0000 0.000	0.000	123.0000	No Ice	4.6993 5.0287	1.9928 2.3872	0.087 0.123

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			1.000			1/2" Ice	5.3684	2.7978	0.164
						1" Ice			
64T64R w/ Mount Pipe	C	From Leg	4.0000	0.000	123.0000	No Ice	4.6993	1.9928	0.087
			0.000			1/2" Ice	5.0287	2.3872	0.123
			1.000			1" Ice	5.3684	2.7978	0.164
OVP BOX	A	From Leg	4.0000	0.000	123.0000	No Ice	4.0498	2.9585	0.032
			0.000			1/2" Ice	4.3079	3.1916	0.068
			1.000			1" Ice	4.5735	3.4322	0.107
OVP BOX	B	From Leg	4.0000	0.000	123.0000	No Ice	4.0498	2.9585	0.032
			0.000			1/2" Ice	4.3079	3.1916	0.068
			1.000			1" Ice	4.5735	3.4322	0.107
Platform Mount [LP 1202-1_KCKR]	C	None		0.000	123.0000	No Ice	34.8300	34.8300	3.675
						1/2" Ice	42.6100	42.6100	4.495
						1" Ice	50.5900	50.5900	5.431
***									
DB586-Y	C	From Leg	4.0000	0.000	114.0000	No Ice	1.0144	1.0144	0.008
			0.000			1/2" Ice	1.2816	1.2816	0.017
			-2.500			1" Ice	1.5582	1.5582	0.028
DB586-Y	C	From Leg	4.0000	0.000	114.0000	No Ice	1.0144	1.0144	0.008
			0.000			1/2" Ice	1.2816	1.2816	0.017
			2.500			1" Ice	1.5582	1.5582	0.028
Comprod 531-70HD	C	From Leg	4.0000	0.000	114.0000	No Ice	4.9800	4.9800	0.037
			0.000			1/2" Ice	6.2250	6.2250	0.046
			0.000			1" Ice	7.4700	7.4700	0.055
Comprod 871F-70-2	C	From Leg	4.0000	0.000	114.0000	No Ice	2.4000	2.4000	0.010
			0.000			1/2" Ice	3.2000	3.2000	0.030
			-3.000			1" Ice	4.0000	4.0000	0.040
ANT150F2	C	From Leg	4.0000	0.000	114.0000	No Ice	1.2940	1.2940	0.013
			0.000			1/2" Ice	1.5980	1.5980	0.023
			2.500			1" Ice	1.9112	1.9112	0.037
ANT220F2	C	From Leg	4.0000	0.000	114.0000	No Ice	1.0291	1.0291	0.011
			0.000			1/2" Ice	1.2900	1.2900	0.020
			3.000			1" Ice	1.5601	1.5601	0.032
Tower Top Amplifier	C	From Leg	4.0000	0.000	114.0000	No Ice	2.6700	1.0300	0.040
			0.000			1/2" Ice	2.8700	1.1700	0.060
			0.000			1" Ice	3.0800	1.3200	0.080
Low Profile Platform	C	None		0.000	114.0000	No Ice	15.7000	15.7000	1.300
						1/2" Ice	20.1000	20.1000	1.760
						1" Ice	24.5000	24.5000	2.220
***									
GPS	A	From Leg	1.5000	0.000	51.5000	No Ice	1.0000	1.0000	0.010
			0.000			1/2" Ice	1.5000	1.5000	0.010
			0.000			1" Ice	2.0000	2.0000	0.020
GPS	B	From Leg	1.5000	0.000	51.5000	No Ice	1.0000	1.0000	0.010
			0.000			1/2" Ice	1.5000	1.5000	0.010
			0.000			1" Ice	2.0000	2.0000	0.020
GPS	C	From Leg	1.5000	0.000	51.5000	No Ice	1.0000	1.0000	0.010

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0.000			1/2" Ice	1.5000	1.5000	0.010
			0.000			1" Ice	2.0000	2.0000	0.020
*									

Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft		Aperture Area ft^2	Weight K
4 ft standard	A	Paraboloid w/o Radome	From Leg	1.0000	0.000		160.0000	4.0000	No Ice	12.5700	0.100
				0.000					1/2" Ice	13.1000	0.180
				0.000					1" Ice	13.6200	0.250
4 ft standard	B	Paraboloid w/o Radome	From Leg	1.0000	0.000		160.0000	4.0000	No Ice	12.5700	0.100
				0.000					1/2" Ice	13.1000	0.180
				0.000					1" Ice	13.6200	0.250
2 ft standard	C	Paraboloid w/o Radome	From Leg	1.0000	0.000		160.0000	2.0000	No Ice	3.1400	0.014
				0.000					1/2" Ice	3.4100	0.058
				0.000					1" Ice	3.6800	0.102
***											
A-ANT-23G-2-C	A	Paraboloid w/o Radome	From Leg	3.1000	0.000		154.0000	2.1750	No Ice	3.7200	0.010
				0.000					1/2" Ice	4.0100	0.020
				2.000					1" Ice	4.3000	0.030
A-ANT-23G-2-C	C	Paraboloid w/o Radome	From Leg	3.8000	0.000		154.0000	2.1750	No Ice	3.7200	0.010
				0.000					1/2" Ice	4.0100	0.020
				2.000					1" Ice	4.3000	0.030

Tower Pressures - No Ice

$G_H = 1.100$

Section Elevation ft	z ft	K_Z	q_z ksf	A_G ft^2	Face	A_F ft^2	A_R ft^2	A_{leg} ft^2	Leg %	C_AA_A In Face ft^2	C_AA_A Out Face ft^2
L1 164.0000-131.5000	147.4975	1.374	0.034	137.953	A	0.000	137.953	137.953	100.00	0.000	0.000
					B	0.000	137.953		100.00	0.000	0.000
					C	0.000	137.953		100.00	6.225	0.000
L2 131.5000-119.2900	125.3443	1.327	0.033	56.545	A	0.000	56.545	56.545	100.00	0.000	0.000
					B	0.000	56.545		100.00	0.000	0.000
					C	0.000	56.545		100.00	6.081	0.000
L3 119.2900-78.7900	98.8148	1.262	0.031	202.275	A	0.000	202.275	202.275	100.00	0.000	0.000
					B	0.000	202.275		100.00	0.000	0.000
					C	0.000	202.275		100.00	20.169	0.000
L4 78.7900-39.8800	59.3022	1.134	0.028	216.653	A	0.000	216.653	216.653	100.00	0.000	0.000
					B	0.000	216.653		100.00	0.000	0.000
					C	0.000	216.653		100.00	23.177	0.000
L5 39.8800-1.5000	21.0594	0.912	0.023	234.431	A	0.000	234.431	234.431	100.00	0.000	0.000
					B	0.000	234.431		100.00	0.000	0.000
					C	0.000	234.431		100.00	31.663	0.000

Tower Pressure - With Ice

G_H = 1.100

Section Elevation ft	z ft	K_Z	q_z ksf	t_Z in	A_G ft²	Face	A_F ft²	A_R ft²	A_{leg} ft²	Leg %	C_AA_A In Face ft²	C_AA_A Out Face ft²
L1 164.0000-131.5000	147.4975	1.374	0.008	2.1779	149.749	A	0.000	149.749	149.749	100.00	0.000	0.000
						B	0.000	149.749		100.00	0.000	0.000
						C	0.000	149.749		100.00	14.587	0.000
L2 131.5000-119.2900	125.3443	1.327	0.008	2.1427	60.905	A	0.000	60.905	60.905	100.00	0.000	0.000
						B	0.000	60.905		100.00	0.000	0.000
						C	0.000	60.905		100.00	14.141	0.000
L3 119.2900-78.7900	98.8148	1.262	0.008	2.0923	216.738	A	0.000	216.738	216.738	100.00	0.000	0.000
						B	0.000	216.738		100.00	0.000	0.000
						C	0.000	216.738		100.00	46.906	0.000
L4 78.7900-39.8800	59.3022	1.134	0.007	1.9882	230.222	A	0.000	230.222	230.222	100.00	0.000	0.000
						B	0.000	230.222		100.00	0.000	0.000
						C	0.000	230.222		100.00	55.403	0.000
L5 39.8800-1.5000	21.0594	0.912	0.006	1.7926	247.148	A	0.000	247.148	247.148	100.00	0.000	0.000
						B	0.000	247.148		100.00	0.000	0.000
						C	0.000	247.148		100.00	77.733	0.000

Tower Pressure - Service

G_H = 1.100

Section Elevation ft	z ft	K_Z	q_z ksf	A_G ft²	Face	A_F ft²	A_R ft²	A_{leg} ft²	Leg %	C_AA_A In Face ft²	C_AA_A Out Face ft²
L1 164.0000-131.5000	147.4975	1.374	0.011	137.953	A	0.000	137.953	137.953	100.00	0.000	0.000
					B	0.000	137.953		100.00	0.000	0.000
					C	0.000	137.953		100.00	6.225	0.000
L2 131.5000-119.2900	125.3443	1.327	0.010	56.545	A	0.000	56.545	56.545	100.00	0.000	0.000
					B	0.000	56.545		100.00	0.000	0.000
					C	0.000	56.545		100.00	6.081	0.000
L3 119.2900-78.7900	98.8148	1.262	0.010	202.275	A	0.000	202.275	202.275	100.00	0.000	0.000
					B	0.000	202.275		100.00	0.000	0.000
					C	0.000	202.275		100.00	20.169	0.000
L4 78.7900-39.8800	59.3022	1.134	0.009	216.653	A	0.000	216.653	216.653	100.00	0.000	0.000
					B	0.000	216.653		100.00	0.000	0.000
					C	0.000	216.653		100.00	23.177	0.000
L5 39.8800-1.5000	21.0594	0.912	0.007	234.431	A	0.000	234.431	234.431	100.00	0.000	0.000
					B	0.000	234.431		100.00	0.000	0.000
					C	0.000	234.431		100.00	31.663	0.000

Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.6 Wind 0 deg - No Ice
3	0.9 Dead+1.6 Wind 0 deg - No Ice
4	1.2 Dead+1.6 Wind 30 deg - No Ice
5	0.9 Dead+1.6 Wind 30 deg - No Ice
6	1.2 Dead+1.6 Wind 60 deg - No Ice
7	0.9 Dead+1.6 Wind 60 deg - No Ice
8	1.2 Dead+1.6 Wind 90 deg - No Ice
9	0.9 Dead+1.6 Wind 90 deg - No Ice
10	1.2 Dead+1.6 Wind 120 deg - No Ice
11	0.9 Dead+1.6 Wind 120 deg - No Ice
12	1.2 Dead+1.6 Wind 150 deg - No Ice
13	0.9 Dead+1.6 Wind 150 deg - No Ice
14	1.2 Dead+1.6 Wind 180 deg - No Ice

Comb. No.	Description
15	0.9 Dead+1.6 Wind 180 deg - No Ice
16	1.2 Dead+1.6 Wind 210 deg - No Ice
17	0.9 Dead+1.6 Wind 210 deg - No Ice
18	1.2 Dead+1.6 Wind 240 deg - No Ice
19	0.9 Dead+1.6 Wind 240 deg - No Ice
20	1.2 Dead+1.6 Wind 270 deg - No Ice
21	0.9 Dead+1.6 Wind 270 deg - No Ice
22	1.2 Dead+1.6 Wind 300 deg - No Ice
23	0.9 Dead+1.6 Wind 300 deg - No Ice
24	1.2 Dead+1.6 Wind 330 deg - No Ice
25	0.9 Dead+1.6 Wind 330 deg - No Ice
26	1.2 Dead+1.0 Ice+1.0 Temp
27	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp
28	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp
29	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp
30	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp
31	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp
32	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp
33	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp
34	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp
35	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp
36	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp
37	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp
38	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp
39	Dead+Wind 0 deg - Service
40	Dead+Wind 30 deg - Service
41	Dead+Wind 60 deg - Service
42	Dead+Wind 90 deg - Service
43	Dead+Wind 120 deg - Service
44	Dead+Wind 150 deg - Service
45	Dead+Wind 180 deg - Service
46	Dead+Wind 210 deg - Service
47	Dead+Wind 240 deg - Service
48	Dead+Wind 270 deg - Service
49	Dead+Wind 300 deg - Service
50	Dead+Wind 330 deg - Service

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	164 - 131.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-57.705	0.152	-0.062
			Max. Mx	20	-21.702	469.281	19.954
			Max. My	2	-21.670	15.305	485.533
			Max. Vy	20	-30.926	469.281	19.954
			Max. Vx	14	31.465	-3.090	-483.101
			Max. Torque	16			1.917
L2	131.5 - 119.29	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-60.809	0.152	-0.613
			Max. Mx	20	-23.739	664.770	23.857
			Max. My	2	-23.707	18.523	684.072
			Max. Vy	20	-32.050	664.770	23.857
			Max. Vx	14	32.586	-3.759	-682.211
			Max. Torque	3			1.158
L3	119.29 - 78.79	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-106.807	2.111	-5.338
			Max. Mx	20	-48.888	2346.865	47.542
			Max. My	14	-48.858	-7.297	-2386.526
			Max. Vy	20	-48.386	2346.865	47.542
			Max. Vx	14	48.919	-7.297	-2386.526
			Max. Torque	12			-3.917

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L4	78.79 - 39.88	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-139.175	2.111	-9.567
			Max. Mx	20	-73.027	4320.988	71.008
			Max. My	14	-73.007	-11.069	-4382.976
			Max. Vy	20	-55.223	4320.988	71.008
			Max. Vx	14	55.753	-11.069	-4382.976
			Max. Torque	12			-3.916
L5	39.88 - 1.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-182.984	2.111	-16.301
			Max. Mx	20	-106.996	7122.071	99.596
			Max. My	14	-106.995	-15.746	-7211.969
			Max. Vy	20	-61.874	7122.071	99.596
			Max. Vx	14	62.394	-15.746	-7211.969
			Max. Torque	12			-3.914

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	26	182.984	0.000	-0.000
	Max. H_x	21	80.264	61.836	0.646
	Max. H_z	3	80.264	0.495	62.347
	Max. M_x	2	7199.444	0.495	62.347
	Max. M_z	8	7094.255	-61.672	0.272
	Max. Torsion	2	3.616	0.495	62.347
	Min. Vert	21	80.264	61.836	0.646
	Min. H_x	9	80.264	-61.673	0.272
	Min. H_z	15	80.264	-0.097	-62.354
	Min. M_x	14	-7211.969	-0.097	-62.354
	Min. M_z	20	-7122.071	61.835	0.646
	Min. Torsion	12	-3.913	-30.492	-54.273

Tower Mast Reaction Summary

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
Dead Only	89.182	-0.000	0.000	4.677	0.401	0.000
1.2 Dead+1.6 Wind 0 deg - No Ice	107.019	-0.495	-62.347	-7199.444	82.398	-3.616
0.9 Dead+1.6 Wind 0 deg - No Ice	80.264	-0.495	-62.347	-7163.417	81.783	-3.612
1.2 Dead+1.6 Wind 30 deg - No Ice	107.019	31.121	-53.313	-6123.819	-3591.876	-2.438
0.9 Dead+1.6 Wind 30 deg - No Ice	80.264	31.121	-53.313	-6093.428	-3573.308	-2.436
1.2 Dead+1.6 Wind 60 deg - No Ice	107.019	53.536	-30.911	-3553.741	-6163.718	-0.518
0.9 Dead+1.6 Wind 60 deg - No Ice	80.264	53.536	-30.911	-3536.685	-6131.805	-0.519
1.2 Dead+1.6 Wind 90 deg - No Ice	107.018	61.672	-0.272	-37.250	-7094.255	1.612
0.9 Dead+1.6 Wind 90 deg - No Ice	80.264	61.673	-0.272	-38.446	-7057.722	1.609
1.2 Dead+1.6 Wind 120 deg - No Ice	107.019	53.669	31.855	3719.295	-6185.565	3.464
0.9 Dead+1.6 Wind 120 deg - No Ice	80.264	53.669	31.855	3698.433	-6153.522	3.459

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
1.2 Dead+1.6 Wind 150 deg - No Ice	107.019	30.492	54.273	6290.932	-3491.983	3.913
0.9 Dead+1.6 Wind 150 deg - No Ice	80.264	30.492	54.273	6256.727	-3474.001	3.908
1.2 Dead+1.6 Wind 180 deg - No Ice	107.019	0.097	62.354	7211.969	-15.746	3.031
0.9 Dead+1.6 Wind 180 deg - No Ice	80.264	0.097	62.354	7173.045	-15.775	3.027
1.2 Dead+1.6 Wind 210 deg - No Ice	107.019	-30.316	54.087	6260.066	3463.526	1.375
0.9 Dead+1.6 Wind 210 deg - No Ice	80.264	-30.316	54.087	6226.044	3445.469	1.374
1.2 Dead+1.6 Wind 240 deg - No Ice	107.019	-53.853	31.390	3642.059	6216.587	0.152
0.9 Dead+1.6 Wind 240 deg - No Ice	80.264	-53.853	31.390	3621.658	6184.113	0.153
1.2 Dead+1.6 Wind 270 deg - No Ice	107.018	-61.835	-0.646	-99.597	7122.071	-1.116
0.9 Dead+1.6 Wind 270 deg - No Ice	80.264	-61.836	-0.646	-100.420	7085.125	-1.112
1.2 Dead+1.6 Wind 300 deg - No Ice	107.019	-53.826	-31.189	-3600.205	6212.701	-2.513
0.9 Dead+1.6 Wind 300 deg - No Ice	80.264	-53.826	-31.189	-3582.870	6180.248	-2.508
1.2 Dead+1.6 Wind 330 deg - No Ice	107.019	-31.600	-53.512	-6156.813	3672.288	-3.347
0.9 Dead+1.6 Wind 330 deg - No Ice	80.264	-31.600	-53.512	-6126.223	3652.992	-3.342
1.2 Dead+1.0 Ice+1.0 Temp	182.984	-0.000	0.000	16.301	2.111	0.000
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	182.984	-0.078	-18.453	-2159.482	15.596	-1.545
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	182.984	9.224	-15.858	-1847.409	-1085.175	-0.848
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	182.984	15.904	-9.180	-1063.374	-1869.585	0.084
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	182.984	18.339	-0.052	8.522	-2154.925	1.008
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	182.984	15.931	9.343	1124.820	-1874.126	1.701
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	182.984	9.105	16.028	1909.894	-1065.873	1.853
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	182.984	0.018	18.453	2193.461	-0.873	1.454
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	182.984	-9.073	15.997	1904.487	1064.762	0.671
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	182.984	-15.955	9.267	1111.764	1882.705	-0.155
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	182.984	-18.363	-0.116	-2.384	2163.616	-0.940
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	182.984	-15.952	-9.228	-1071.651	1882.176	-1.538
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	182.984	-9.302	-15.891	-1853.150	1103.093	-1.743
Dead+Wind 0 deg - Service	89.182	-0.098	-12.321	-1415.469	16.515	-0.740
Dead+Wind 30 deg - Service	89.182	6.150	-10.536	-1203.474	-707.670	-0.510
Dead+Wind 60 deg - Service	89.182	10.580	-6.109	-696.865	-1214.628	-0.127
Dead+Wind 90 deg - Service	89.182	12.189	-0.054	-3.702	-1398.192	0.304
Dead+Wind 120 deg - Service	89.182	10.606	6.295	736.664	-1218.932	0.684
Dead+Wind 150 deg - Service	89.182	6.026	10.726	1243.582	-688.034	0.788
Dead+Wind 180 deg - Service	89.182	0.019	12.323	1425.177	-2.781	0.624
Dead+Wind 210 deg - Service	89.182	-5.992	10.689	1237.509	683.066	0.301
Dead+Wind 240 deg - Service	89.182	-10.643	6.203	721.478	1225.658	0.056
Dead+Wind 270 deg - Service	89.182	-12.221	-0.128	-15.961	1404.293	-0.205
Dead+Wind 300 deg - Service	89.182	-10.637	-6.164	-706.003	1224.892	-0.496
Dead+Wind 330 deg - Service	89.182	-6.245	-10.575	-1209.966	724.111	-0.676

Solution Summary

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX K	PY K	PZ K	PX K	PY K	PZ K	% Error
1	0.000	-89.182	0.000	0.000	89.182	-0.000	0.000%
2	-0.495	-107.019	-62.348	0.495	107.019	62.347	0.001%
3	-0.495	-80.264	-62.348	0.495	80.264	62.347	0.001%
4	31.121	-107.019	-53.313	-31.121	107.019	53.313	0.000%
5	31.121	-80.264	-53.313	-31.121	80.264	53.313	0.000%
6	53.536	-107.019	-30.911	-53.536	107.019	30.911	0.000%
7	53.536	-80.264	-30.911	-53.536	80.264	30.911	0.000%
8	61.677	-107.019	-0.272	-61.672	107.018	0.272	0.004%
9	61.677	-80.264	-0.272	-61.673	80.264	0.272	0.004%
10	53.669	-107.019	31.855	-53.669	107.019	-31.855	0.000%
11	53.669	-80.264	31.855	-53.669	80.264	-31.855	0.000%
12	30.492	-107.019	54.273	-30.492	107.019	-54.273	0.000%
13	30.492	-80.264	54.273	-30.492	80.264	-54.273	0.000%
14	0.097	-107.019	62.355	-0.097	107.019	-62.354	0.001%
15	0.097	-80.264	62.355	-0.097	80.264	-62.354	0.001%
16	-30.316	-107.019	54.087	30.316	107.019	-54.087	0.000%
17	-30.316	-80.264	54.087	30.316	80.264	-54.087	0.000%
18	-53.853	-107.019	31.390	53.853	107.019	-31.390	0.000%
19	-53.853	-80.264	31.390	53.853	80.264	-31.390	0.000%
20	-61.839	-107.019	-0.646	61.835	107.018	0.646	0.004%
21	-61.839	-80.264	-0.646	61.836	80.264	0.646	0.004%
22	-53.826	-107.019	-31.189	53.826	107.019	31.189	0.000%
23	-53.826	-80.264	-31.189	53.826	80.264	31.189	0.000%
24	-31.600	-107.019	-53.512	31.600	107.019	53.512	0.000%
25	-31.600	-80.264	-53.512	31.600	80.264	53.512	0.000%
26	0.000	-182.984	0.000	0.000	182.984	-0.000	0.000%
27	-0.078	-182.984	-18.453	0.078	182.984	18.453	0.000%
28	9.224	-182.984	-15.858	-9.224	182.984	15.858	0.000%
29	15.905	-182.984	-9.180	-15.904	182.984	9.180	0.000%
30	18.339	-182.984	-0.052	-18.339	182.984	0.052	0.000%
31	15.931	-182.984	9.343	-15.931	182.984	-9.343	0.000%
32	9.105	-182.984	16.028	-9.105	182.984	-16.028	0.000%
33	0.018	-182.984	18.453	-0.018	182.984	-18.453	0.000%
34	-9.073	-182.984	15.997	9.073	182.984	-15.997	0.000%
35	-15.955	-182.984	9.267	15.955	182.984	-9.267	0.000%
36	-18.363	-182.984	-0.116	18.363	182.984	0.116	0.000%
37	-15.952	-182.984	-9.228	15.952	182.984	9.228	0.000%
38	-9.302	-182.984	-15.891	9.302	182.984	15.891	0.000%
39	-0.098	-89.182	-12.322	0.098	89.182	12.321	0.001%
40	6.151	-89.182	-10.537	-6.150	89.182	10.536	0.001%
41	10.581	-89.182	-6.109	-10.580	89.182	6.109	0.001%
42	12.190	-89.182	-0.054	-12.189	89.182	0.054	0.001%
43	10.607	-89.182	6.296	-10.606	89.182	-6.295	0.001%
44	6.027	-89.182	10.726	-6.026	89.182	-10.726	0.001%
45	0.019	-89.182	12.324	-0.019	89.182	-12.323	0.001%
46	-5.992	-89.182	10.690	5.992	89.182	-10.689	0.001%
47	-10.643	-89.182	6.204	10.643	89.182	-6.203	0.001%
48	-12.222	-89.182	-0.128	12.221	89.182	0.128	0.001%
49	-10.638	-89.182	-6.164	10.637	89.182	6.164	0.001%
50	-6.245	-89.182	-10.576	6.245	89.182	10.575	0.001%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	6	0.00000001	0.00000001
2	Yes	10	0.00000001	0.00012651
3	Yes	10	0.00000001	0.00010741
4	Yes	12	0.00000001	0.00005375
5	Yes	12	0.00000001	0.00004293
6	Yes	12	0.00000001	0.00005578
7	Yes	12	0.00000001	0.00004460
8	Yes	9	0.00007914	0.00012181
9	Yes	9	0.00005601	0.00011470
10	Yes	12	0.00000001	0.00006179
11	Yes	12	0.00000001	0.00004934
12	Yes	12	0.00000001	0.00005323
13	Yes	12	0.00000001	0.00004242
14	Yes	10	0.00000001	0.00007438
15	Yes	10	0.00000001	0.00006358
16	Yes	12	0.00000001	0.00005600
17	Yes	12	0.00000001	0.00004474
18	Yes	12	0.00000001	0.00005793
19	Yes	12	0.00000001	0.00004620
20	Yes	9	0.00007913	0.00009585
21	Yes	9	0.00005600	0.00009441
22	Yes	12	0.00000001	0.00005556
23	Yes	12	0.00000001	0.00004433
24	Yes	12	0.00000001	0.00006022
25	Yes	12	0.00000001	0.00004814
26	Yes	6	0.00000001	0.00000001
27	Yes	11	0.00000001	0.00012798
28	Yes	11	0.00000001	0.00013652
29	Yes	11	0.00000001	0.00013688
30	Yes	11	0.00000001	0.00012731
31	Yes	11	0.00000001	0.00014066
32	Yes	11	0.00000001	0.00013930
33	Yes	11	0.00000001	0.00012989
34	Yes	11	0.00000001	0.00013925
35	Yes	11	0.00000001	0.00014024
36	Yes	11	0.00000001	0.00012803
37	Yes	11	0.00000001	0.00013820
38	Yes	11	0.00000001	0.00013852
39	Yes	9	0.00000001	0.00002833
40	Yes	9	0.00000001	0.00003012
41	Yes	9	0.00000001	0.00003420
42	Yes	9	0.00000001	0.00002384
43	Yes	9	0.00000001	0.00004202
44	Yes	9	0.00000001	0.00002999
45	Yes	9	0.00000001	0.00002658
46	Yes	9	0.00000001	0.00003601
47	Yes	9	0.00000001	0.00003384
48	Yes	9	0.00000001	0.00002349
49	Yes	9	0.00000001	0.00003105
50	Yes	9	0.00000001	0.00004081

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	164 - 131.5	8.728	45	0.403	0.001
L2	131.5 - 119.29	6.028	45	0.384	0.001
L3	125.29 - 78.79	5.534	45	0.375	0.001
L4	87.21 - 39.88	2.836	45	0.285	0.000
L5	49.13 - 1.5	0.954	45	0.173	0.000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
164.0000	12' x 3" Dia Omni	45	8.728	0.403	0.001	296985
160.0000	4 ft standard	45	8.390	0.402	0.001	296985
156.0000	A-ANT-23G-2-C	45	8.053	0.400	0.001	185615
154.0000	LLPX310R W/ Mount Pipe_TIA	45	7.885	0.400	0.001	148492
144.0000	AIR 32 w/ Mount Pipe	45	7.049	0.395	0.001	74246
138.0000	RRUS 11	45	6.555	0.390	0.001	57112
134.0000	7770.00 w/ Mount Pipe	45	6.229	0.387	0.001	49396
123.0000	(2) DB844H65E-XY_TIA w/ Mount Pipe	45	5.355	0.371	0.001	34035
114.0000	DB586-Y	45	4.670	0.354	0.000	30174
51.5000	GPS	45	1.038	0.181	0.000	13577

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	164 - 131.5	44.239	10	2.041	0.003
L2	131.5 - 119.29	30.542	10	1.946	0.003
L3	125.29 - 78.79	28.040	10	1.902	0.003
L4	87.21 - 39.88	14.370	10	1.444	0.002
L5	49.13 - 1.5	4.833	10	0.878	0.001

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
164.0000	12' x 3" Dia Omni	10	44.239	2.041	0.003	60032
160.0000	4 ft standard	10	42.525	2.036	0.003	60032
156.0000	A-ANT-23G-2-C	10	40.815	2.030	0.003	37519
154.0000	LLPX310R W/ Mount Pipe_TIA	10	39.961	2.027	0.003	30015
144.0000	AIR 32 w/ Mount Pipe	10	35.723	2.003	0.003	15007
138.0000	RRUS 11	10	33.216	1.980	0.003	11543
134.0000	7770.00 w/ Mount Pipe	10	31.565	1.960	0.003	9979
123.0000	(2) DB844H65E-XY_TIA w/ Mount Pipe	10	27.133	1.882	0.003	6744
114.0000	DB586-Y	10	23.663	1.793	0.002	5965
51.5000	GPS	10	5.260	0.917	0.001	2680

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L1	164 - 131.5 (1)	TP53.42x47x0.3125	32.5000	0.0000	0.0	52.6760	-21.670	3227.770	0.007
L2	131.5 - 119.29 (2)	TP56.15x53.42x0.375	12.2100	0.0000	0.0	64.7894	-23.703	4269.230	0.006
L3	119.29 - 78.79 (3)	TP62.97x54.0585x0.4375	46.5000	0.0000	0.0	84.5934	-48.855	5667.380	0.009
L4	78.79 - 39.88 (4)	TP69.66x60.4813x0.5625	47.3300	0.0000	0.0	120.1620	-73.006	8488.930	0.009

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L5	39.88 - 1.5 (5)	TP76x66.7412x0.5625	47.6300	0.0000	0.0	134.6840	-106.995	9152.010	0.012

Pole Bending Design Data

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L1	164 - 131.5 (1)	TP53.42x47x0.3125	485.774	3531.850	0.138	0.000	3531.850	0.000
L2	131.5 - 119.29 (2)	TP56.15x53.42x0.375	684.555	4783.283	0.143	0.000	4783.283	0.000
L3	119.29 - 78.79 (3)	TP62.97x54.0585x0.4375	2389.525	7104.258	0.336	0.000	7104.258	0.000
L4	78.79 - 39.88 (4)	TP69.66x60.4813x0.5625	4387.258	11742.749	0.374	0.000	11742.749	0.000
L5	39.88 - 1.5 (5)	TP76x66.7412x0.5625	7217.641	14202.667	0.508	0.000	14202.667	0.000

Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L1	164 - 131.5 (1)	TP53.42x47x0.3125	31.461	1613.880	0.019	1.156	7078.633	0.000
L2	131.5 - 119.29 (2)	TP56.15x53.42x0.375	32.649	2134.620	0.015	1.002	9588.250	0.000
L3	119.29 - 78.79 (3)	TP62.97x54.0585x0.4375	48.978	2833.690	0.017	3.466	14241.333	0.000
L4	78.79 - 39.88 (4)	TP69.66x60.4813x0.5625	55.810	4244.460	0.013	3.465	23543.832	0.000
L5	39.88 - 1.5 (5)	TP76x66.7412x0.5625	62.451	4576.000	0.014	3.464	28472.083	0.000

Pole Interaction Design Data

Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	164 - 131.5 (1)	0.007	0.138	0.000	0.019	0.000	0.145	1.000	4.8.2
L2	131.5 - 119.29 (2)	0.006	0.143	0.000	0.015	0.000	0.149	1.000	4.8.2
L3	119.29 - 78.79 (3)	0.009	0.336	0.000	0.017	0.000	0.345	1.000	4.8.2
L4	78.79 - 39.88 (4)	0.009	0.374	0.000	0.013	0.000	0.382	1.000	4.8.2
L5	39.88 - 1.5 (5)	0.012	0.508	0.000	0.014	0.000	0.520	1.000	4.8.2

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	164 - 131.5	Pole	TP53.42x47x0.3125	1	-21.670	3227.770	14.5	Pass
L2	131.5 - 119.29	Pole	TP56.15x53.42x0.375	2	-23.703	4269.230	14.9	Pass
L3	119.29 - 78.79	Pole	TP62.97x54.0585x0.4375	3	-48.855	5667.380	34.5	Pass
L4	78.79 - 39.88	Pole	TP69.66x60.4813x0.5625	4	-73.006	8488.930	38.2	Pass
L5	39.88 - 1.5	Pole	TP76x66.7412x0.5625	5	-106.995	9152.010	52.0	Pass
							Summary	
						Pole (L5)	52.0	Pass
						RATING =	**52.0**	**Pass**

APPENDIX B

ADDITIONAL CALCULATIONS

Stiffened or Unstiffened, Exterior Flange Plate - Any Bolt Material TIA Rev G

Site Data

BU#:	
Site Name:	
App #:	

Reactions		
Mu	485.774	ft-kips
Axial, Pu:	21.67	kips
Shear, Vu:	31.461	kips
Elevation:	131.5	feet

Bolt Threads:
X-Excluded
φVn=φ(0.55*Ab*Fu)
φ=0.75, φ*Vn (kips):
38.88

Pole Manufacturer:	Other

If No stiffeners, Criteria:	TIA G	<-Only Applcable to Unstiffened Cases

Bolt Data			
Qty:	12		
Diameter (in.):	1	Bolt Fu:	120
Bolt Material:	A325	Bolt Fy:	92
N/A:	75	<-- Disregard	
N/A:	55	<-- Disregard	
Circle (in.):	58		

Plate Data		
Diam:	61	in
Thick, t:	1	in
Grade (Fy):	36	ksi
Strength, Fu:	58	ksi
Single-Rod B-eff:	10.16	in

Stiffener Data (Welding at Both Sides)		
Config:	0	*
Weld Type:		
Groove Depth:		in **
Groove Angle:		degrees
Fillet H. Weld:		<-- Disregard
Fillet V. Weld:		in
Width:		in
Height:		in
Thick:		in
Notch:		in
Grade:		ksi
Weld str.:		ksi

Pole Data		
Diam:	53.42	in
Thick:	0.3125	in
Grade:	65	ksi
# of Sides:	18	"0" IF Round
Fu	80	ksi
Reinf. Fillet Weld	0	"0" if None

Flange Bolt Results

			Rigid
Bolt Tension Capacity, φ*Tn, **B1**:	54.54	kips	φ*Tn
Adjusted φ*Tn (due to Vu=Vu/Qty), **B**:	54.42	kips	φTn[(1-(Vu/φVn)^2]^0.5
Max Bolt directly applied Tu:	31.70	Kips	
Min. PL "tc" for **B** cap. **w/o** Pry:	0.857	in	
Min PL "treq" for actual **T w/ Pry**:	0.475	in	
Min PL "t1" for actual **T w/o Pry**:	0.654	in	
T allowable w/o Prying:	54.54	kips	α'<0 case
Prying Force, q:	0.00	kips	
Total Bolt Tension=Tu+q:	31.70	kips	
Non-Prying Bolt Stress Ratio, Tu/B:	58.2%	**Pass**	

Exterior Flange Plate Results Flexural Check

			Rigid
Compression Side Plate Stress:	15.8	ksi	TIA G
Allowable Plate Stress:	32.4	ksi	φ*Fy
Compression Plate Stress Ratio:	48.6%	**Pass**	Comp. Y.L. Length:
No Prying			22.59
Tension Side Stress Ratio, (treq/t)^2:	22.6%	**Pass**	

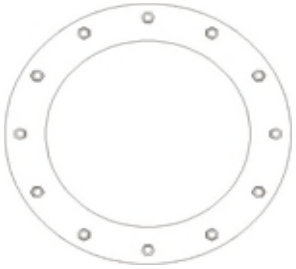
n/a

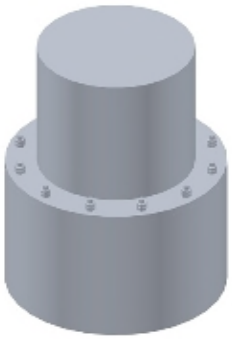
Stiffener Results

Horizontal Weld :	n/a
Vertical Weld:	n/a
Plate Flex+Shear, fb/Fb+(fv/Fv)^2:	n/a
Plate Tension+Shear, ft/Ft+(fv/Fv)^2:	n/a
Plate Comp. (AISC Bracket):	n/a

Pole Results

Pole Punching Shear Check: n/a





* 0 = none, 1 = every bolt, 2 = every 2 bolts, 3 = 2 per bolt

** Note: for complete joint penetration groove welds the groove depth must be exactly 1/2 the stiffener thickness for calculation purposes

Stiffened or Unstiffened, Ungrouted, Circular Base Plate - Any Rod Material

TIA Rev G Assumption: Clear space between bottom of leveling nut and top of concrete **not** exceeding (1)*(Rod Diameter)

Site Data	
BU#:	
Site Name:	
App #:	
Pole Manufacturer:	*Other*

Reactions		
Mu:	7217.641	ft-kips
Axial, Pu:	106.995	kips
Shear, Vu:	62.451	kips
Eta Factor, η	0.5	TIA G (Fig. 4-4)

Anchor Rod Data		
Qty:	30	
Diam:	2.25	in
Rod Material:	A615-J	
Strength (Fu):	100	ksi
Yield (Fy):	75	ksi
Bolt Circle:	86	in

If No stiffeners, Criteria: AISC LRFD <-Only Applcable to Unstiffened Cases

Anchor Rod Results

Max Rod (Cu+ Vu/ή):	142.0	Kips
Allowable Axial, Φ*Fu*Anet:	260.0	Kips
Anchor Rod Stress Ratio:	54.6%	**Pass**

Rigid
AISC LRFD
φ*Tn

Plate Data		
Diam:	92	in
Thick:	3	in
Grade:	60	ksi
Single-Rod B-eff:	8.04	in

Base Plate Results Flexural Check

Base Plate Stress:	23.3	ksi
Allowable Plate Stress:	54.0	ksi
Base Plate Stress Ratio:	43.1%	**Pass**

Rigid
AISC LRFD
φ*Fy
Y.L. Length: 40.25

Stiffener Data (Welding at both sides)		
Config:	0	*
Weld Type:		
Groove Depth:		in **
Groove Angle:		degrees
Fillet H. Weld:		<-- Disregard
Fillet V. Weld:		in
Width:		in
Height:		in
Thick:		in
Notch:		in
Grade:		ksi
Weld str.:		ksi

n/a

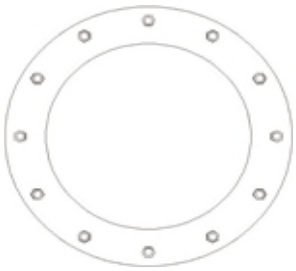
Stiffener Results

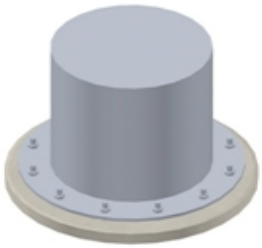
Horizontal Weld :	n/a
Vertical Weld:	n/a
Plate Flex+Shear, fb/Fb+(fv/Fv)^2:	n/a
Plate Tension+Shear, ft/Ft+(fv/Fv)^2:	n/a
Plate Comp. (AISC Bracket):	n/a

Pole Results

Pole Punching Shear Check: n/a

Pole Data		
Diam:	76	in
Thick:	0.5625	in
Grade:	65	ksi
# of Sides:	18	"0" IF Round
Fu	80	ksi
Reinf. Fillet Weld	0	"0" if None





* 0 = none, 1 = every bolt, 2 = every 2 bolts, 3 = 2 per bolt

** Note: for complete joint penetration groove welds the groove depth must be exactly 1/2 the stiffener thickness for calculation purposes

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Job Number:	42921-0002.002.7805	**Page:**	1
Site Number:	XXXXXX	**By:**	NCM
Site Name:	Greenwich CT	**Date:**	7/13/2021

DRILLED PIER SOIL AND STEEL ANALYSIS - TIA-222-G

Factored Base Reactions from RISA

	Comp. (+)	Tension (-)	
Moment, Mu =	7217.6		k-ft
Shear, Vu =	62.5		kips
Axial Load, Pu1 =	107.0		kips (from 1.2D + 1.6W)*
Axial Load, Pu2 =	80.2	0.0	kips (from 0.9D + 1.6W)**
OTMu =	7280.1	0.0	k-ft @ Ground

***Axial Load, Pu1 will be used for Soil Compression Analysis.**

****Axial Load, Pu2 will be used for Steel Analysis.**

Safety Factors / Load Factors / Φ Factors

Tower Type =	Monopole DP
ACI Code =	ACI 318-08
Seismic Design Category =	D
Reference Standard =	TIA-222-G
Use 1.3 Load Factor?	No
Load Factor =	1.00

Drilled Pier Parameters

Diameter =	9 ft
Height Above Grade =	1 ft
Depth Below Grade =	27 ft
fc' =	3 ksi
εc =	0.003 in/in
L / D Ratio =	3.11
Mat Ftdn. Cap Width =	ft
Mat Ftdn. Cap Length =	ft
Depth Below Grade =	ft

	Safety Factor	Φ Factor
Soil Lateral Resistance =	2.00	0.75
Skin Friction =	2.00	0.75
End Bearing =	2.00	0.75
Concrete Wt. Resist Uplift =	1.25	

Load Combinations Checked per TIA-222-G

1. (0.75) Ult. Skin Friction + (0.75) Ult. End Bearing + (1.2) Effective Soil Wt. - (1.2) Buoyant Conc. Wt. ≥ Comp.
2. (0.75) Ult. Skin Friction + (0.9) Buoyant Conc. Wt. ≥ Uplift

Steel Parameters

Number of Bars =	33
Rebar Size =	#11
Rebar Fy =	60 ksi
Rebar MOE =	29000 ksi
Tie Size =	#4
Side Clear Cover to Ties =	3 in

Soil Parameters

Water Table Depth =	99.00 ft
Depth to Ignore Soil =	4.50 ft
Depth to Full Cohesion =	0 ft
Full Cohesion Starts at?*	Ground

Above Full Cohesion Lateral Resistance = 4(Cohesion)(Dia)(H)

Below Full Cohesion Lateral Resistance = 8(Cohesion)(Dia)(H)

Direct Embed Pole Shaft Parameters

Dia @ Grade =	in
Dia @ Depth Below Grade =	in
Number of Sides =	
Thickness =	in
Fy =	ksi
Backfill Condition =	

Maximum Capacity Ratios

Maximum Soil Ratio =	110.0%
Maximum Steel Ratio =	105.0%

Note: The drilled pier foundation was analyzed using the methodology in the software 'PLS-Caisson' (Version 8.10, or newer, by Power Line Systems, Inc.). Per the methods in PLS-Caisson, the soil reactions of cohesive soils are calculated using 8CD independent of the depth of the soil layer. The depth of soil to be ignored at the top of the drilled pier is based the recommendations of the site specific geotechnical report. In the absence of any recommendations, the frost depth at the site or one half of the drilled pier diameter (whichever is greater) shall be ignored.

Define Soil Layers

Note: Cohesion = Undrained Shear Strengh = Unconfined Compressive Strength / 2

Layer	Thickness ft	Unit Weight pcf	Cohesion psf	Friction Angle degrees	Soil Type	Ultimate End Bearing psf	Comp. Ult. Skin Friction psf	Tension Ult. Skin Friction psf	Depth ft
1	1	100	0	0					1
2	3	120	0	20	Sand				4
3	2	120	0	30	Sand				6
4	5	120	0	35	Sand				11
5	19	130	0	42	Sand	6000			30
6									
7									
8									
9									
10									
11									
12									

Soil Results: Overturning

Depth to COR =	20.15 ft, from Grade	Shear, Vu =	62.45 kips
Bending Moment, Mu =	8538.19 k-ft, from COR	Resisting Shear, ΦVn =	144.30 kips
Resisting Moment, ΦMn =	19729.05 k-ft, from COR		

MOMENT RATIO = 43.3% OK **SHEAR RATIO = 43.3% OK**

Soil Results: Uplift

Uplift, Tu =	0.00 kips
Uplift Capacity, ΦTn =	240.47 kips

UPLIFT RATIO = 0.0% OK

Soil Results: Compression

Compression, Cu =	107.00 kips
Comp. Capacity, ΦCn =	223.68 kips

COMPRESSION RATIO = 47.8% OK

Steel Results (ACI 318-08):

Minimum Steel Area =	30.54 sq in
Actual Steel Area =	51.48 sq in
Axial, ΦPn (min) =	-2779.92 kips, Where ΦMn = 0 k-ft
Axial, ΦPn (max) =	13685.25 kips, Where ΦMn = 0 k-ft

Axial Load, Pu =	146.81 kips @ 6.75 ft Below Grade
Moment, Mu =	7659.80 k-ft @ 6.75 ft Below Grade
Moment, ΦMn =	10975.47 k-ft

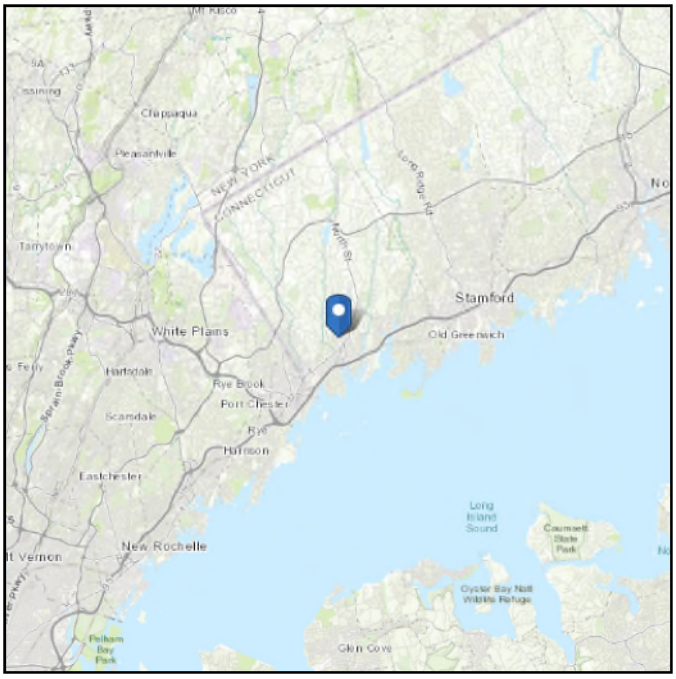
MOMENT RATIO = 69.8% OK

ASCE 7 Hazards Report

Address:
No Address at This Location

Standard: ASCE/SEI 7-10
Risk Category: III
Soil Class: D - Stiff Soil

Elevation: 142.08 ft (NAVD 88)
Latitude: 41.033936
Longitude: -73.630832



Wind

Results:

Wind Speed:	125 Vmph	← Jurisdiction requires 130 mph ultimate wind speed (101 mph nominal wind speed)
10-year MRI	76 Vmph	
25-year MRI	85 Vmph	
50-year MRI	90 Vmph	
100-year MRI	97 Vmph	

Data Source: ASCE/SEI 7-10, Fig. 26.5-1B and Figs. CC-1–CC-4, incorporating errata of March 12, 2014

Date Accessed: Wed Jan 08 2020

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-10 Standard. Wind speeds correspond to approximately a 3% probability of exceedance in 50 years (annual exceedance probability = 0.000588, MRI = 1,700 years).

Site is in a hurricane-prone region as defined in ASCE/SEI 7-10 Section 26.2. Glazed openings need not be protected against wind-borne debris.

Mountainous terrain, gorges, ocean promontories, and special wind regions should be examined for unusual wind conditions.

Seismic

Site Soil Class: D - Stiff Soil

Results:

S_S :	0.259	S_{DS} :	0.275
S_1 :	0.07	S_{D1} :	0.112
F_a :	1.593	T_L :	6
F_v :	2.4	PGA :	0.153
S_{MS} :	0.412	PGA_M :	0.228
S_{M1} :	0.169	F_{PGA} :	1.495
		I_e :	1.25

Seismic Design Category B

Data Accessed: Wed Jan 08 2020

Date Source: USGS Seismic Design Maps based on ASCE/SEI 7-10, incorporating Supplement 1 and errata of March 31, 2013, and ASCE/SEI 7-10 Table 1.5-2. Additional data for site-specific ground motion procedures in accordance with ASCE/SEI 7-10 Ch. 21 are available from USGS.

Ice

Results:

Ice Thickness:	0.75 in.
Concurrent Temperature:	15 F
Gust Speed:	50 mph
Data Source:	Standard ASCE/SEI 7-10, Figs. 10-2 through 10-8
Date Accessed:	Wed Jan 08 2020

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

Values provided are equivalent radial ice thicknesses due to freezing rain with concurrent 3-second gust speeds, for a 50-year mean recurrence interval, and temperatures concurrent with ice thicknesses due to freezing rain. Thicknesses for ice accretions caused by other sources shall be obtained from local meteorological studies. Ice thicknesses in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

Maser Consulting Connecticut
2000 Midlantic Drive, Suite 100
Mt. Laurel, NJ 08054
(856) 797-0412
greg.dulnik@colliersengineering.com

Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10020904
Maser Consulting Connecticut Project #: 20777290A

March 11, 2021

Site Information	*Site ID:*	*468466-VZW / Greenwich CT*
	Site Name:	*Greenwich CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*5 Perryridge Rd.* *Greenwich, Connecticut 06830* *Fairfield County*
	Latitude:	*41.033936°*
	Longitude:	*-73.630832°*
Structure Information	*Tower Type:*	*163-Ft Monopole*
	Mount Type:	*18.00-Ft Platform Mount*

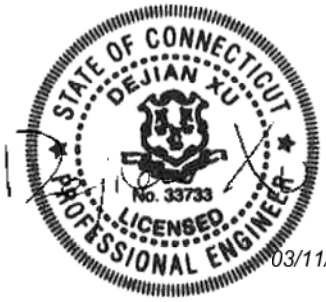
FUZE ID # 16231869

Analysis Results

Platform Mount: **86.9% Pass**

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

Report Prepared By: Prasanna Dhakal



03/11/2021

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: 323976, dated February 05, 2021*
Mount Mapping Report	*Tower Engineering Professionals, Site ID: 468466, dated 10/22/2020*
Construction Drawings	*On Air Engineering, LLC Site Name: Greenwich CT, dated November 15, 2020*
Previous Mount Analysis Report	*Maser Consulting Connecticut, Project #: 20777290A, dated November 2, 2020*
Mount Modification Drawing	*Maser Consulting Connecticut, Project #: 20777290A Rev. 1 dated March 11, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H 2018 Connecticut State Building Code	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), Ice Wind Speed (3-sec. Gust): Design Ice Thickness: Risk Category: Exposure Category: Topographic Category: Topographic Feature Considered: Topographic Method: Ground Elevation Factor, K_e:	120 mph 50 mph 1.00 in II B 1 N/A N/A 0.995
Seismic Parameters:	S_S: S_1:	0.275 0.059
Maintenance Parameters:	Wind Speed (3-sec. Gust): Maintenance Live Load, Lv: Maintenance Live Load, Lm:	30 mph 250 lbs. 500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
			Andrew		Retained
			Quintel		
			Samsung		
			Samsung		
			Samsung		
			Raycap		
			Samsung		Added

Standard Conditions:

1. 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 by Maser Consulting Connecticut, 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 — ASTM A36 (Gr. 36)
   - HSS (Rectangular) — ASTM 500 (Gr. B-46)
   - Pipe — ASTM A53 (Gr. B-35)
   - Threaded Rod — F1554 (Gr. 36)
   - Bolts — ASTM A325

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Grating Support	*13.0%*	*Pass*
Antenna Pipe	*55.0%*	*Pass*
Standoff Horizontal	*51.3%*	*Pass*
Face Horizontal	*32.5%*	*Pass*
Mod Kicker	*14.7%*	*Pass*
Mount Connection	*86.9%*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**86.9%**

Recommendation:

The existing mounts will be **SUFFICIENT** for the final loading after the proposed modifications 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:

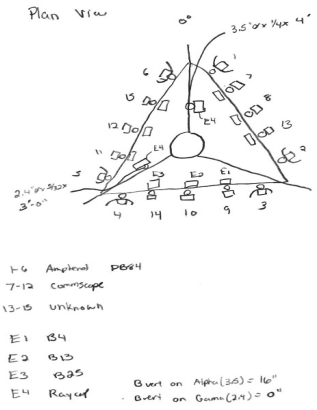
Mount Photos
Mount Mapping Report (for reference only)
Analysis Calculations
Contractor Required PMI Report Deliverables
Antenna Placement Diagrams

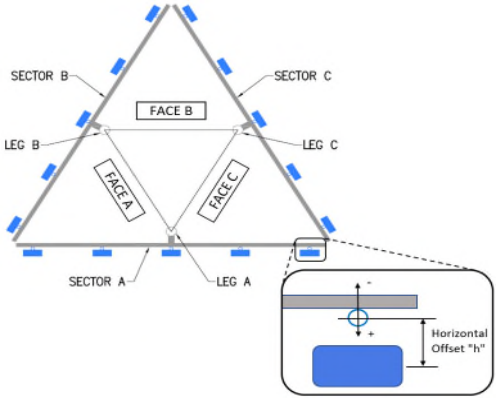
V3.0 Updated on 8-31-2020

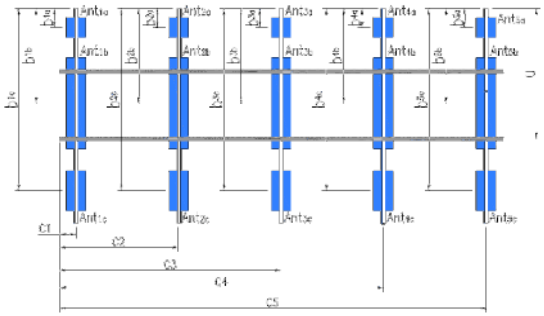
Antenna Mount Mapping Form (PATENT PENDING)

FCC #
N/A

Tower Owner:	Unknown	**Mapping Date:**	10/22/2020
Site Name:	Greenwich CT	**Tower Type:**	Monopole
Site Number or ID:	468466	**Tower Height (Ft.):**	163
Mapping Contractor:	TEP	**Mount Elevation (Ft.):**	123







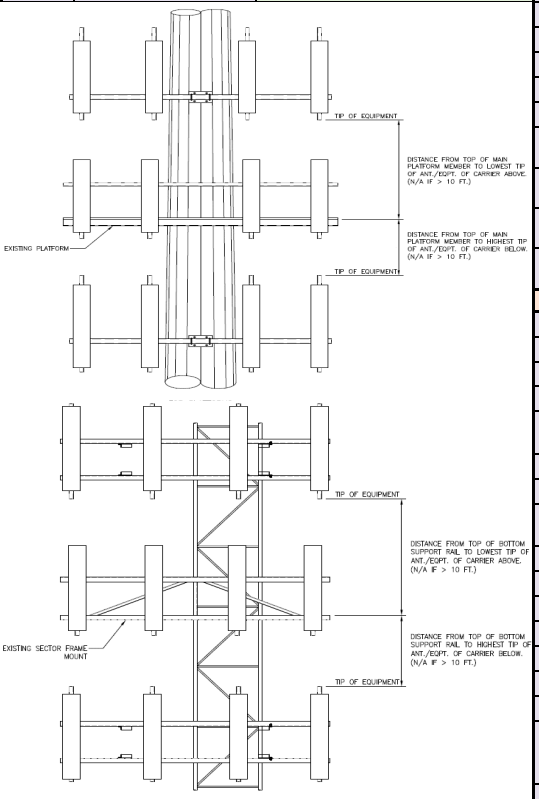
Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]							
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	2.4"Ø x 5/32" x 6'-6"	45.25	34.00	C1	2.4"Ø x 5/32" x 6'-6"	45.25	34.00
A2	2.4"Ø x 5/32" x 6'-0"	46.00	60.00	C2	2.4"Ø x 5/32" x 6'-0"	46.00	60.00
A3	2.4"Ø x 5/32" x 6'-6"	45.25	107.00	C3	2.4"Ø x 5/32" x 6'-6"	45.25	107.00
A4	2.4"Ø x 5/32" x 6'-6"	45.25	154.00	C4	2.4"Ø x 5/32" x 6'-6"	45.25	154.00
A5	2.4"Ø x 5/32" x 6'-6"	45.25	182.00	C5	2.4"Ø x 5/32" x 6'-6"	45.25	182.00
A6				C6			
B1	2.4"Ø x 5/32" x 6'-6"	45.25	34.00	D1			
B2	2.4"Ø x 5/32" x 6'-0"	46.00	60.00	D2			
B3	2.4"Ø x 5/32" x 6'-6"	45.25	107.00	D3			
B4	2.4"Ø x 5/32" x 6'-6"	45.25	154.00	D4			
B5	2.4"Ø x 5/32" x 6'-6"	45.25	182.00	D5			
B6				D6			
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :							0.00
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :							7
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :							5
Please enter additional infomation or comments below.							
Coax: n(12)1.625FH, (2)1.5"Ø Hybrid							
Tower Face Width at Mount Elev. (ft.):			Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):				54.82

	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}	DB844H65E-XY	6.25	9.00	48.00	(1) 1.625	123.438	40.00	6.50	29.00	53-54
Ant_{1c}										
Ant_{2a}	B4 RRH 2x60-4R	10.60	5.70	36.60		125.333	18.00	8.00		83-84
Ant_{2b}	SBNHH-1D65B	12.00	7.50	73.00	Fed by Raycaps	124.333	30.00	9.00	19.00	55-56
Ant_{2c}										
Ant_{3a}	B13 RRH 4x30	12.50	7.75	21.00		126.104	8.00	8.00		85-86
Ant_{3b}	SBNHH-1D65B	12.00	7.50	73.00	Fed by Raycaps	124.271	30.00	9.00	20.00	57-58
Ant_{3c}										
Ant_{4a}	B25 RRH 4x30	12.25	8.50	21.50		125.271	18.00	8.00		87-88
Ant_{4b}	MGD3-800T0	6.50	3.75	52.50	None	123.938	34.00	7.00	16.00	59-60
Ant_{4c}										
Ant_{5a}										
Ant_{5b}	DB844H65E-XY	6.25	9.00	48.00	(1) 1.625	123.438	40.00	6.50	29.00	61-62
Ant_{5c}										
Ant on Standoff	RRFDC-3315-PF-48(M	15.73	10.30	28.93	(1) Hybrid	126	16.00	5.15		108-109
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	50.00	Deg	Leg A:		Deg
Sector B:	170.00	Deg	Leg B:		Deg
Sector C:	290.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information			
Location:	300.00	Deg	N/A
Climbing Facility	Corrosion Type:		Good condition.
	Access:		Climbing path was unobstructed.
	Condition:		Good condition.



Sector B										
Ant_{1a}										
Ant_{1b}	DB844H65E-XY	6.25	9.00	48.00	(1) 1.625	123.438	40.00	6.50	158.00	63-64
Ant_{1c}										
Ant_{2a}	B4 RRH 2x60-4R	10.60	5.70	36.60		125.333	18.00	8.00		89-90
Ant_{2b}	SBNHH-1D65B	12.00	7.50	73.00	Fed by Raycaps	124.333	30.00	9.00	148.00	65-66
Ant_{2c}										
Ant_{3a}	B13 RRH 4x30	12.50	7.75	21.00		126.104	8.00	8.00		93
Ant_{3b}	SBNHH-1D65B	12.00	7.50	73.00	Fed by Raycaps	124.271	30.00	9.00	158.00	67-68
Ant_{3c}										
Ant_{4a}	B25 RRH 4x30	12.25	8.50	21.50		125.271	18.00	8.00		94-95
Ant_{4b}	MGD3-800T0	6.50	3.75	52.50	None	123.938	34.00	7.00	154.00	69-70
Ant_{4c}										
Ant_{5a}										
Ant_{5b}	DB844H65E-XY	6.25	9.00	48.00	(1) 1.625	123.438	40.00	6.50	156.00	71-72
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}										
Ant_{1b}	DB844H65E-XY	6.25	9.00	48.00	(1) 1.625	123.438	40.00	6.50	272.00	73-74
Ant_{1c}										
Ant_{2a}	B4 RRH 2x60-4R	10.60	5.70	36.60		125.333	18.00	8.00		96-97
Ant_{2b}	SBNHH-1D65B	12.00	7.50	73.00	Fed by Raycaps	124.333	30.00	9.00	265.00	75-76
Ant_{2c}										
Ant_{3a}	B13 RRH 4x30	12.50	7.75	21.00		126.104	8.00	8.00		98-99
Ant_{3b}	SBNHH-1D65B	12.00	7.50	73.00	Fed by Raycaps	124.271	30.00	9.00	264.00	77-78
Ant_{3c}										
Ant_{4a}	B25 RRH 4x30	12.25	8.50	21.50		125.271	18.00	8.00		100-101
Ant_{4b}	MGD3-800T0	6.50	3.75	52.50	None	123.938	34.00	7.00	271.00	79-80
Ant_{4c}										
Ant_{5a}										
Ant_{5b}	DB844H65E-XY	6.25	9.00	48.00	(1) 1.625	123.438	40.00	6.50	267.00	81-82
Ant_{5c}										
Ant on Standoff	RRFDC-3315-PF-48(M	15.73	10.30	28.93	(1) Hybrid 1.5	126	0.00	5.15		106-107
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

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

1		
2		
3		
4		
5		
6		
7		
8		

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

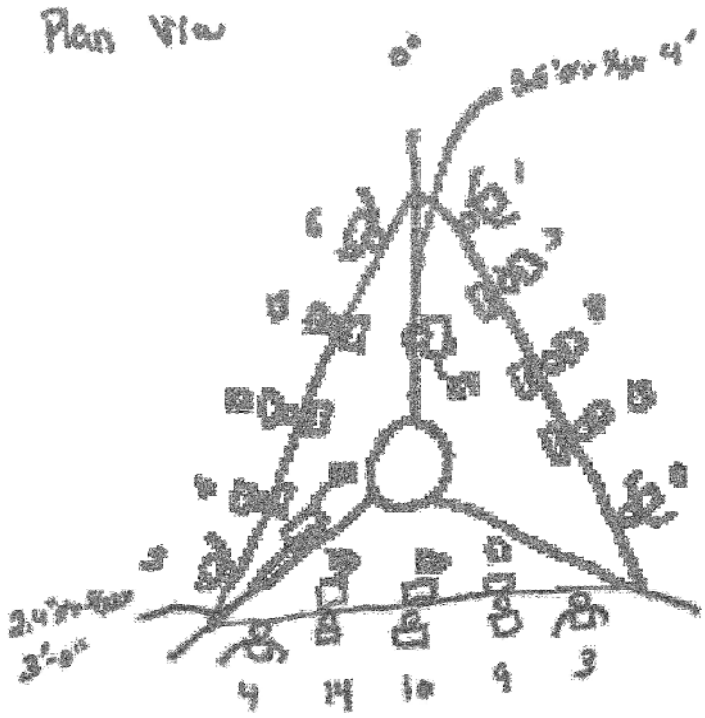
Standard Conditions
1. Obvious safety and structural issues/deficiencies noticed at the time of the mount mapping are to be reported in this mapping. However, this mount mapping is not a condition assessment of the mount.

Antenna Mount Mapping Form (PATENT PENDING)

FCC #
N/A

Tower Owner:	Unknown	**Mapping Date:**	10/22/2020
Site Name:	Greenwich CT	**Tower Type:**	Monopole
Site Number or ID:	468466	**Tower Height (Ft.):**	163
Mapping Contractor:	TEP	**Mount Elevation (Ft.):**	123

Please Insert Sketches of the Antenna Mount



Please Insert Sketches of the Antenna Mount, cont'd

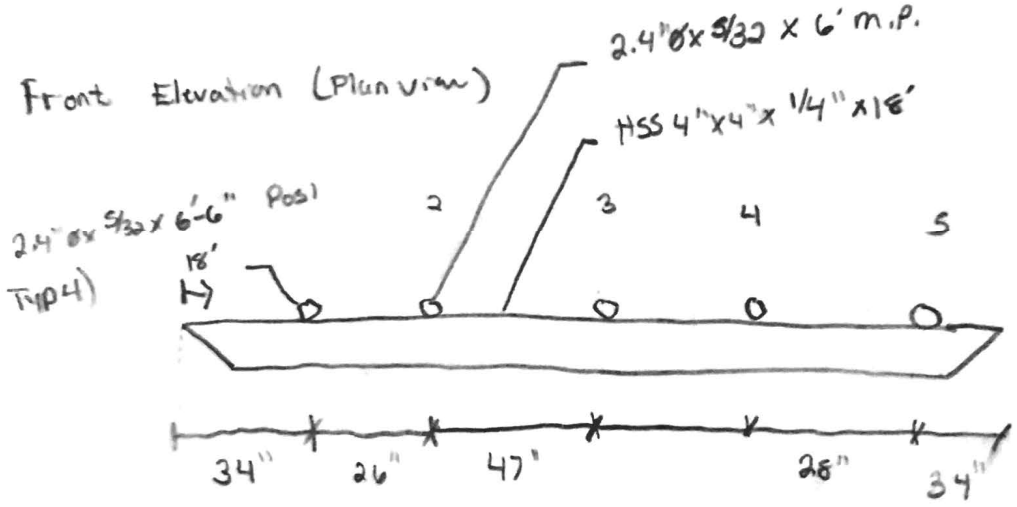
Vert Run = 15'

Ant: 124'

mnt: 123'

W3FL - 29"

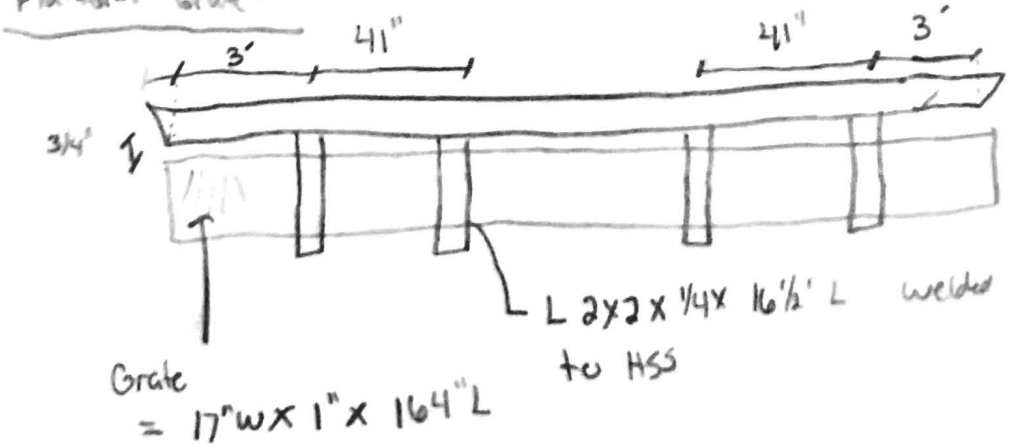
Front Elevation (Plan view)



m.P. cxn #1, 3-5 = PL 8"T x 7"x 1/4" w/
(2) 1/2"Ø U-Bolts to m.P. = 6 1/2" C-C V
(2) 1/2"Ø Sq. U-Bolt 5 1/2" C-C H

m.P. cxn # 2
= PL 10" x7"x 3/8" w/
(2) 1/2"Ø U-Bolts to m.P. = 8" C-C V
(2) 1/2"Ø Sq U-Bolts to HSS = 5 1/4" C-C H

Platform Grate:



Please Insert Sketches of the Antenna Mount, cont'd

Greenwich CT

9647 Gate Combo

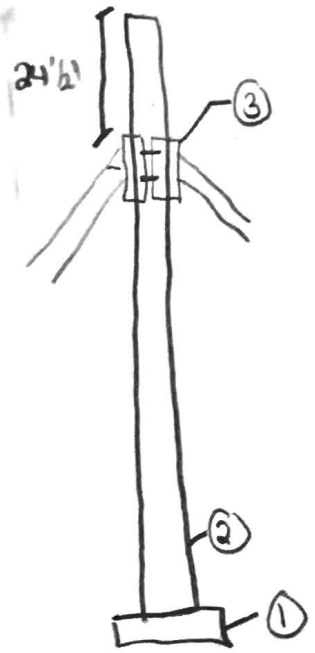
T/Tower = 163'-0"
mnt Ct = 133'
Ant Ct = 124'

Coax:
(12) FR 1⅝
(2) Hybrid 1⅝ (1⅜"Ø)
Eq Room to base tower = 160'

Safety Az = 300°
3/8"Ø 7-strand
12'- start

Please Insert Sketches of the Antenna Mount, cont'd

Details

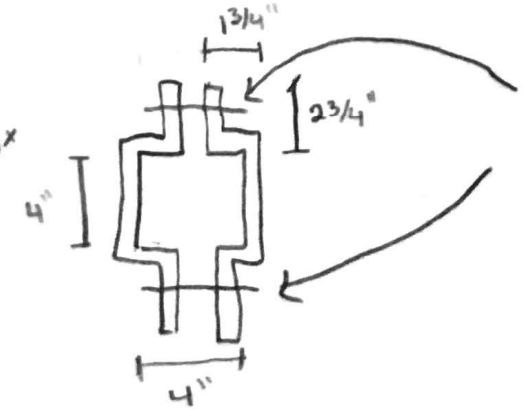


(1) PL 10"T x 6"W x ½" TH w/ (4) ¾"ø Bolts
3"C-C H, 8"C-C V

(2) HSS 4"x4" x ¼ x 10' Long

(3)

BPL 9" Long x



(2) ½"ø T,R, 6"C-C, 1"ME
(Top & Bottom)

Please Insert Sketches of the Antenna Mount, cont'd

Ant	B vert	U	H
Pos 1	40"	45'4	6'b
Pos 2	30"	46"	9"
Pos 3	30"	45'4	9"
Pos 4	34"	45'4	7"
Pos 5	40	45'4	6'2
E1	18	—	8
E2	8	—	8
E3	18	—	8
E4	See Plan Vw	—	

Coax

(6) FH 1 5/8 cut @ top

Pos 1 & 5 = (1) FH 1 5/8 each

Pos 2 & 3 = (2) Hybrid shared

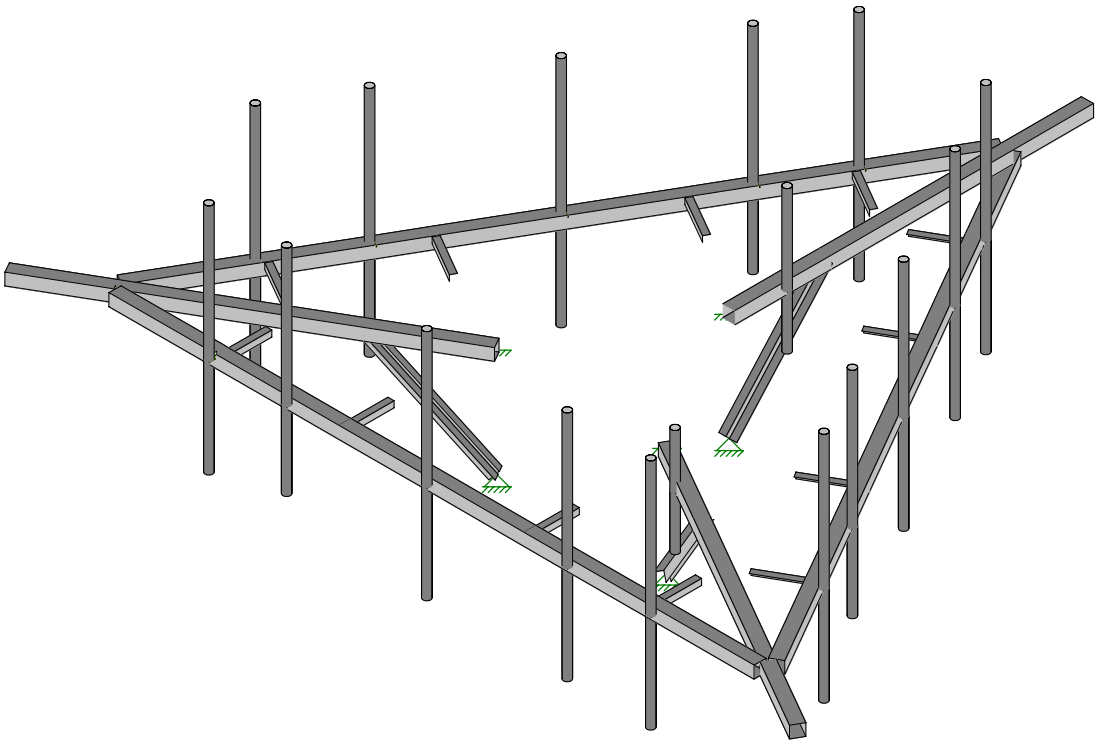
Pos 4 = No coax

Antenna Dim

6'1/4 W x 9" D x 48" 20'2 (wings)

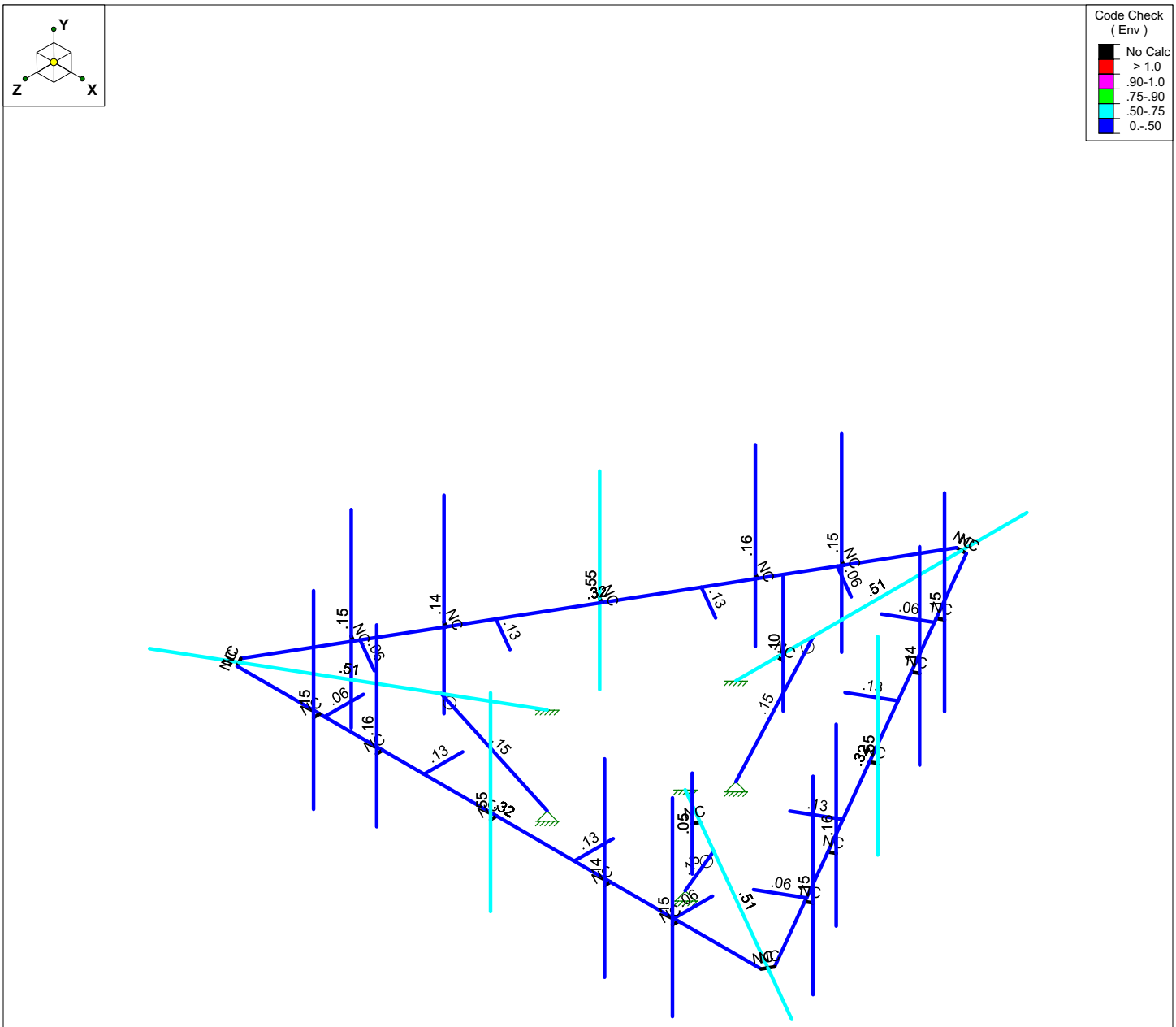
12" W x 7'2 D X 73" T

6'6" W x 3 3/4 x 52'6" T



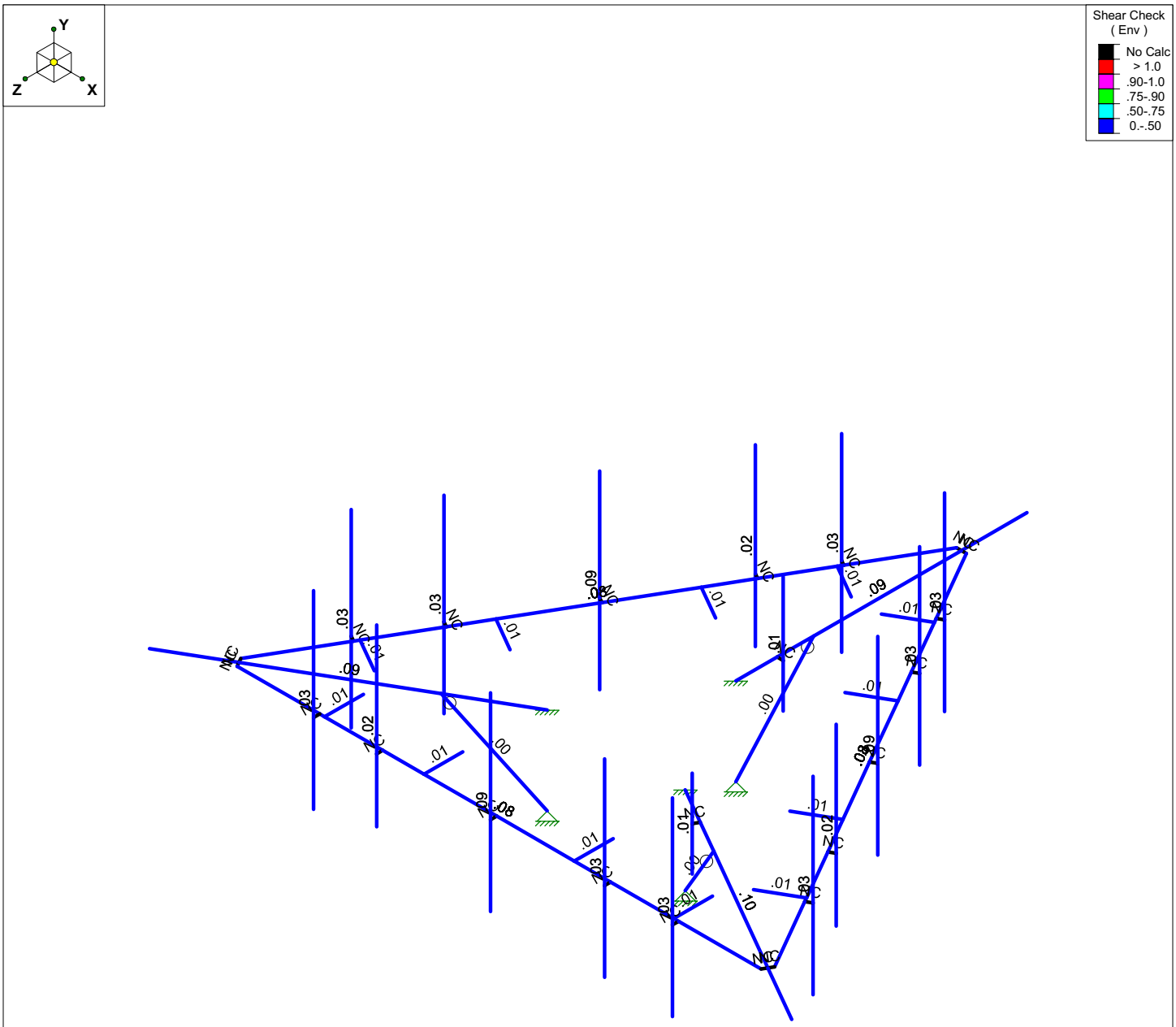
Envelope Only Solution

Maser Consulting	Antenna Mount Analysis	SK - 1
		Mar 11, 2021 at 1:40 PM
Project # 20777290		468466-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	Antenna Mount Analysis	SK - 2
		Mar 11, 2021 at 1:41 PM
Project # 20777290		468466-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	Antenna Mount Analysis	SK - 3
		Mar 11, 2021 at 1:42 PM
Project # 20777290		468466-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribu...	Area(Member)	Surface...
1	Antenna D	None					123			
2	Antenna Di	None					123			
3	Antenna Wo (0 Deg)	None					123			
4	Antenna Wo (30 Deg)	None					123			
5	Antenna Wo (60 Deg)	None					123			
6	Antenna Wo (90 Deg)	None					123			
7	Antenna Wo (120 Deg)	None					123			
8	Antenna Wo (150 Deg)	None					123			
9	Antenna Wo (180 Deg)	None					123			
10	Antenna Wo (210 Deg)	None					123			
11	Antenna Wo (240 Deg)	None					123			
12	Antenna Wo (270 Deg)	None					123			
13	Antenna Wo (300 Deg)	None					123			
14	Antenna Wo (330 Deg)	None					123			
15	Antenna Wi (0 Deg)	None					123			
16	Antenna Wi (30 Deg)	None					123			
17	Antenna Wi (60 Deg)	None					123			
18	Antenna Wi (90 Deg)	None					123			
19	Antenna Wi (120 Deg)	None					123			
20	Antenna Wi (150 Deg)	None					123			
21	Antenna Wi (180 Deg)	None					123			
22	Antenna Wi (210 Deg)	None					123			
23	Antenna Wi (240 Deg)	None					123			
24	Antenna Wi (270 Deg)	None					123			
25	Antenna Wi (300 Deg)	None					123			
26	Antenna Wi (330 Deg)	None					123			
27	Antenna Wm (0 Deg)	None					123			
28	Antenna Wm (30 Deg)	None					123			
29	Antenna Wm (60 Deg)	None					123			
30	Antenna Wm (90 Deg)	None					123			
31	Antenna Wm (120 Deg)	None					123			
32	Antenna Wm (150 Deg)	None					123			
33	Antenna Wm (180 Deg)	None					123			
34	Antenna Wm (210 Deg)	None					123			
35	Antenna Wm (240 Deg)	None					123			
36	Antenna Wm (270 Deg)	None					123			
37	Antenna Wm (300 Deg)	None					123			
38	Antenna Wm (330 Deg)	None					123			
39	Structure D	None		-1					3	
40	Structure Di	None						38	3	
41	Structure Wo (0 Deg)	None						76		
42	Structure Wo (30 Deg)	None						76		
43	Structure Wo (60 Deg)	None						76		
44	Structure Wo (90 Deg)	None						76		
45	Structure Wo (120 Deg)	None						76		
46	Structure Wo (150 Deg)	None						76		
47	Structure Wo (180 Deg)	None						76		
48	Structure Wo (210 Deg)	None						76		
49	Structure Wo (240 Deg)	None						76		
50	Structure Wo (270 Deg)	None						76		
51	Structure Wo (300 Deg)	None						76		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribu...	Area(Member)	Surface...
52	Structure Wo (330 Deg)	None						76		
53	Structure Wi (0 Deg)	None						76		
54	Structure Wi (30 Deg)	None						76		
55	Structure Wi (60 Deg)	None						76		
56	Structure Wi (90 Deg)	None						76		
57	Structure Wi (120 Deg)	None						76		
58	Structure Wi (150 Deg)	None						76		
59	Structure Wi (180 Deg)	None						76		
60	Structure Wi (210 Deg)	None						76		
61	Structure Wi (240 Deg)	None						76		
62	Structure Wi (270 Deg)	None						76		
63	Structure Wi (300 Deg)	None						76		
64	Structure Wi (330 Deg)	None						76		
65	Structure Wm (0 Deg)	None						76		
66	Structure Wm (30 Deg)	None						76		
67	Structure Wm (60 Deg)	None						76		
68	Structure Wm (90 Deg)	None						76		
69	Structure Wm (120 Deg)	None						76		
70	Structure Wm (150 Deg)	None						76		
71	Structure Wm (180 Deg)	None						76		
72	Structure Wm (210 Deg)	None						76		
73	Structure Wm (240 Deg)	None						76		
74	Structure Wm (270 Deg)	None						76		
75	Structure Wm (300 Deg)	None						76		
76	Structure Wm (330 Deg)	None						76		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 39 Transient Area Loads	None						12		
82	BLC 40 Transient Area Loads	None						12		

Load Combinations

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

Load Combinations (Continued)

	Description	So..	P...	S...	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac...
17	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	Seismic Mass		Y		1	1	39	1																
53	1.2D + 1.0Ev + 1.0Eh...		Y		1	1.2	39	1.2	SX		SY	1	SZ	-1										
54	1.2D + 1.0Ev + 1.0Eh...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	-.866										
55	1.2D + 1.0Ev + 1.0Eh...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5										
56	1.2D + 1.0Ev + 1.0Eh...		Y		1	1.2	39	1.2	SX	1	SY	1	SZ											
57	1.2D + 1.0Ev + 1.0Eh...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	.5										
58	1.2D + 1.0Ev + 1.0Eh...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	.866										
59	1.2D + 1.0Ev + 1.0Eh...		Y		1	1.2	39	1.2	SX		SY	1	SZ	1										
60	1.2D + 1.0Ev + 1.0Eh...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	.866										
61	1.2D + 1.0Ev + 1.0Eh...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	.5										
62	1.2D + 1.0Ev + 1.0Eh...		Y		1	1.2	39	1.2	SX	-1	SY	1	SZ											
63	1.2D + 1.0Ev + 1.0Eh...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	-.5										
64	1.2D + 1.0Ev + 1.0Eh...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	-.866										

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	0	0	0	0	
2	N2	9	0	5.392083	0	
3	N3	-9	0	5.392083	0	
4	N4	0	0	-2.74027	0	
5	N5	0	0	-12.74027	0	
6	N6	-6.166667	0	5.392083	0	
7	N7	-6.166667	0	5.600417	0	
8	N8	-6.166667	3.770833	5.600417	0	
9	N9	-6.166667	-2.729167	5.600417	0	
10	N10	-4	0	5.392083	0	
11	N11	-4	0	5.600417	0	
12	N12	-4	3.833333	5.600417	0	
13	N13	-4	-2.166667	5.600417	0	
14	N14	-0.083333	0	5.392083	0	
15	N15	-0.083333	0	5.600417	0	
16	N16	-0.083333	3.770833	5.600417	0	
17	N17	-0.083333	-2.729167	5.600417	0	
18	N18	3.833333	0	5.392083	0	
19	N19	3.833333	0	5.600417	0	
20	N20	3.833333	3.770833	5.600417	0	
21	N21	3.833333	-2.729167	5.600417	0	
22	N22	6.166667	0	5.392083	0	
23	N23	6.166667	0	5.600417	0	
24	N24	6.166667	3.770833	5.600417	0	
25	N25	6.166667	-2.729167	5.600417	0	
26	N26	0	0	-10.49027	0	
27	N27	0.169681	0	-10.49027	0	
28	N28	9.169681	0	5.098187	0	
29	N29	7.753014	0	2.644448	0	
30	N30	7.933436	0	2.540282	0	
31	N31	7.933436	3.770833	2.540282	0	
32	N32	7.933436	-2.729167	2.540282	0	
33	N33	6.669681	0	0.76806	0	
34	N34	6.850103	0	0.663893	0	
35	N35	6.850103	3.833333	0.663893	0	
36	N36	6.850103	-2.166667	0.663893	0	
37	N37	4.711348	0	-2.623873	0	
38	N38	4.89177	0	-2.72804	0	
39	N39	4.89177	3.770833	-2.72804	0	
40	N40	4.89177	-2.729167	-2.72804	0	
41	N41	2.753014	0	-6.015806	0	
42	N42	2.933436	0	-6.119972	0	
43	N43	2.933436	3.770833	-6.119972	0	
44	N44	2.933436	-2.729167	-6.119972	0	
45	N45	1.586348	0	-8.036532	0	
46	N46	1.76677	0	-8.140698	0	
47	N47	1.76677	3.770833	-8.140698	0	
48	N48	1.76677	-2.729167	-8.140698	0	
49	N49	-9.169681	0	5.098187	0	
50	N50	-0.169681	0	-10.49027	0	
51	N51	-1.586348	0	-8.036532	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
52	N52	-1.76677	0	-8.140698	0	
53	N53	-1.76677	3.770833	-8.140698	0	
54	N54	-1.76677	-2.729167	-8.140698	0	
55	N55	-2.669681	0	-6.160143	0	
56	N56	-2.850103	0	-6.26431	0	
57	N57	-2.850103	3.833333	-6.26431	0	
58	N58	-2.850103	-2.166667	-6.26431	0	
59	N59	-4.628014	0	-2.76821	0	
60	N60	-4.808436	0	-2.872377	0	
61	N61	-4.808436	3.770833	-2.872377	0	
62	N62	-4.808436	-2.729167	-2.872377	0	
63	N63	-6.586348	0	0.623722	0	
64	N64	-6.76677	0	0.519556	0	
65	N65	-6.76677	3.770833	0.519556	0	
66	N66	-6.76677	-2.729167	0.519556	0	
67	N67	-7.753014	0	2.644448	0	
68	N68	-7.933436	0	2.540282	0	
69	N69	-7.933436	3.770833	2.540282	0	
70	N70	-7.933436	-2.729167	2.540282	0	
71	N71	-2.373144	0	1.370135	0	
72	N72	-11.033398	0	6.370135	0	
73	N73	-9.084841	0	5.245135	0	
74	N76	2.373144	0	1.370135	0	
75	N77	11.033398	0	6.370135	0	
76	N78	9.084841	0	5.245135	0	
77	N77A	0	0	-4.156937	0	
78	N78A	0.208333	0	-4.156937	0	
79	N79	0.208333	2.5	-4.156937	0	
80	N80	0.208333	-1.5	-4.156937	0	
81	N81	3.600013	0	2.078469	0	
82	N82	3.495846	0	2.25889	0	
83	N83	3.495846	1.5	2.25889	0	
84	N84	3.495846	-1.5	2.25889	0	
85	N85	6	0	5.392083	0	
86	N86	6	0	4.05875	0	
87	N87	2.583333	0	5.392083	0	
88	N88	2.583333	0	4.05875	0	
89	N89	-6	0	5.392083	0	
90	N90	-6	0	4.05875	0	
91	N91	-2.583333	0	5.392083	0	
92	N92	-2.583333	0	4.05875	0	
93	N93	1.669681	0	-7.892194	0	
94	N94	0.514981	0	-7.225527	0	
95	N95	3.378014	0	-4.933274	0	
96	N96	2.223314	0	-4.266607	0	
97	N97	7.669681	0	2.500111	0	
98	N98	6.514981	0	3.166777	0	
99	N99	5.961348	0	-0.458809	0	
100	N100	4.806647	0	0.207857	0	
101	N101	-7.669681	0	2.500111	0	
102	N102	-6.514981	0	3.166777	0	
103	N103	-5.961348	0	-0.458809	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
104	N104	-4.806647	0	0.207857	0	
105	N105	-1.669681	0	-7.892194	0	
106	N106	-0.514981	0	-7.225527	0	
107	N107	-3.378014	0	-4.933274	0	
108	N108	-2.223314	0	-4.266607	0	
109	N109	0	0	-5.406937	0	
110	N110	0	-3	-2.74027	0	
111	N111	-4.682545	0	2.703469	0	
112	N112	-2.373144	-3	1.370135	0	
113	N113	4.682545	0	2.703469	0	
114	N114	2.373144	-3	1.370135	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Antenna Pipe	PIPE_2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
2	Face Horizontal	HSS4X4X4	Beam	SquareTube	A500 Gr. B 42	Typical	3.37	7.8	7.8	12.8
3	Standoff Horizontal	HSS4X4X4	Beam	SquareTube	A500 Gr. B 42	Typical	3.37	7.8	7.8	12.8
4	Grating Support	L2x2x4	Beam	Single Angle	A36 Gr.36	Typical	.944	.346	.346	.021
5	Kicker Kit	LL3x3x3x0	Beam	Double Angle (...	A36 Gr.36	Typical	2.18	3.35	1.9	.027

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(de...	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N3	N2			Face Horizontal	Beam	SquareTube	A500 Gr. B 42	Typical
2	M2	N4	N5			Standoff Horizontal	Beam	SquareTube	A500 Gr. B 42	Typical
3	M3	N7	N6			RIGID	None	None	RIGID	Typical
4	MP5A	N8	N9			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
5	M5	N11	N10			RIGID	None	None	RIGID	Typical
6	MP4A	N12	N13			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
7	M7	N15	N14			RIGID	None	None	RIGID	Typical
8	MP3A	N16	N17			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
9	M9	N19	N18			RIGID	None	None	RIGID	Typical
10	MP2A	N20	N21			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
11	M11	N23	N22			RIGID	None	None	RIGID	Typical
12	MP1A	N24	N25			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
13	M13	N28	N27			Face Horizontal	Beam	SquareTube	A500 Gr. B 42	Typical
14	M14	N30	N29			RIGID	None	None	RIGID	Typical
15	MP5C	N31	N32			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
16	M16	N34	N33			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(de...	Section/Shape	Type	Design List	Material	Design Rules
17	MP4C	N35	N36			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
18	M18	N38	N37			RIGID	None	None	RIGID	Typical
19	MP3C	N39	N40			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
20	M20	N42	N41			RIGID	None	None	RIGID	Typical
21	MP2C	N43	N44			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
22	M22	N46	N45			RIGID	None	None	RIGID	Typical
23	MP1C	N47	N48			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
24	M24	N50	N49			Face Horizontal	Beam	SquareTube	A500 Gr. B 42	Typical
25	M25	N52	N51			RIGID	None	None	RIGID	Typical
26	MP5B	N53	N54			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
27	M27	N56	N55			RIGID	None	None	RIGID	Typical
28	MP4B	N57	N58			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
29	M29	N60	N59			RIGID	None	None	RIGID	Typical
30	MP3B	N61	N62			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
31	M31	N64	N63			RIGID	None	None	RIGID	Typical
32	MP2B	N65	N66			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
33	M33	N68	N67			RIGID	None	None	RIGID	Typical
34	MP1B	N69	N70			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
35	M35	N50	N26			RIGID	None	None	RIGID	Typical
36	M36	N27	N26			RIGID	None	None	RIGID	Typical
37	M37	N71	N72			Standoff Horizontal	Beam	SquareTube	A500 Gr. B 42	Typical
38	M38	N3	N73			RIGID	None	None	RIGID	Typical
39	M39	N49	N73			RIGID	None	None	RIGID	Typical
40	M40	N76	N77			Standoff Horizontal	Beam	SquareTube	A500 Gr. B 42	Typical
41	M41	N28	N78			RIGID	None	None	RIGID	Typical
42	M42	N2	N78			RIGID	None	None	RIGID	Typical
43	M43	N77A	N78A			RIGID	None	None	RIGID	Typical
44	M44	N79	N80			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
45	M45	N81	N82			RIGID	None	None	RIGID	Typical
46	M46	N83	N84			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
47	M47	N85	N86		180	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
48	M48	N87	N88		180	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
49	M49	N89	N90		180	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
50	M50	N91	N92		180	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
51	M51	N93	N94		180	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
52	M52	N95	N96		180	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
53	M53	N97	N98		180	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
54	M54	N99	N100		180	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
55	M55	N101	N102		180	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
56	M56	N103	N104		180	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
57	M57	N105	N106		180	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
58	M58	N107	N108		180	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
59	M59	N109	N110			Kicker Kit	Beam	Double Angle ...	A36 Gr.36	Typical
60	M60	N111	N112			Kicker Kit	Beam	Double Angle ...	A36 Gr.36	Typical
61	M61	N113	N114			Kicker Kit	Beam	Double Angle ...	A36 Gr.36	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M1						Yes				None
2	M2						Yes				None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
3	M3						Yes	** NA **			None
4	MP5A						Yes	** NA **			None
5	M5						Yes	** NA **			None
6	MP4A						Yes	** NA **			None
7	M7						Yes	** NA **			None
8	MP3A						Yes	** NA **			None
9	M9						Yes	** NA **			None
10	MP2A						Yes	** NA **			None
11	M11						Yes	** NA **			None
12	MP1A						Yes	** NA **			None
13	M13						Yes				None
14	M14						Yes	** NA **			None
15	MP5C						Yes	** NA **			None
16	M16						Yes	** NA **			None
17	MP4C						Yes	** NA **			None
18	M18						Yes	** NA **			None
19	MP3C						Yes	** NA **			None
20	M20						Yes	** NA **			None
21	MP2C						Yes	** NA **			None
22	M22						Yes	** NA **			None
23	MP1C						Yes	** NA **			None
24	M24						Yes				None
25	M25						Yes	** NA **			None
26	MP5B						Yes	** NA **			None
27	M27						Yes	** NA **			None
28	MP4B						Yes	** NA **			None
29	M29						Yes	** NA **			None
30	MP3B						Yes	** NA **			None
31	M31						Yes	** NA **			None
32	MP2B						Yes	** NA **			None
33	M33						Yes	** NA **			None
34	MP1B						Yes	** NA **			None
35	M35						Yes	** NA **			None
36	M36						Yes	** NA **			None
37	M37						Yes				None
38	M38						Yes	** NA **			None
39	M39						Yes	** NA **			None
40	M40						Yes				None
41	M41						Yes	** NA **			None
42	M42						Yes	** NA **			None
43	M43						Yes	** NA **			None
44	M44						Yes	** NA **			None
45	M45						Yes	** NA **			None
46	M46						Yes	** NA **			None
47	M47						Yes				None
48	M48						Yes				None
49	M49						Yes				None
50	M50						Yes				None
51	M51						Yes				None
52	M52						Yes				None
53	M53						Yes				None
54	M54						Yes				None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
55	M55						Yes				None
56	M56						Yes				None
57	M57						Yes				None
58	M58						Yes				None
59	M59	BenPIN					Yes				None
60	M60	BenPIN					Yes				None
61	M61	BenPIN					Yes				None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-10	1.5
2	MP1A	My	-.004	1.5
3	MP1A	Mz	.003	1.5
4	MP1A	Y	-10	4.5
5	MP1A	My	-.004	4.5
6	MP1A	Mz	.003	4.5
7	MP1B	Y	-10	1.5
8	MP1B	My	0	1.5
9	MP1B	Mz	-.005	1.5
10	MP1B	Y	-10	4.5
11	MP1B	My	0	4.5
12	MP1B	Mz	-.005	4.5
13	MP1C	Y	-10	1.5
14	MP1C	My	.004	1.5
15	MP1C	Mz	.003	1.5
16	MP1C	Y	-10	4.5
17	MP1C	My	.004	4.5
18	MP1C	Mz	.003	4.5
19	MP5A	Y	-10	1.5
20	MP5A	My	-.004	1.5
21	MP5A	Mz	.003	1.5
22	MP5A	Y	-10	4.5
23	MP5A	My	-.004	4.5
24	MP5A	Mz	.003	4.5
25	MP5B	Y	-10	1.5
26	MP5B	My	0	1.5
27	MP5B	Mz	-.005	1.5
28	MP5B	Y	-10	4.5
29	MP5B	My	0	4.5
30	MP5B	Mz	-.005	4.5
31	MP5C	Y	-10	1.5
32	MP5C	My	.004	1.5
33	MP5C	Mz	.003	1.5
34	MP5C	Y	-10	4.5
35	MP5C	My	.004	4.5
36	MP5C	Mz	.003	4.5
37	MP3A	Y	-32.5	.25
38	MP3A	My	-.005	.25
39	MP3A	Mz	.025	.25
40	MP3A	Y	-32.5	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP3A	My	-.005	5.25
42	MP3A	Mz	.025	5.25
43	MP3B	Y	-32.5	.25
44	MP3B	My	-.016	.25
45	MP3B	Mz	-.019	.25
46	MP3B	Y	-32.5	5.25
47	MP3B	My	-.016	5.25
48	MP3B	Mz	-.019	5.25
49	MP3C	Y	-32.5	.25
50	MP3C	My	.024	.25
51	MP3C	Mz	-.008	.25
52	MP3C	Y	-32.5	5.25
53	MP3C	My	.024	5.25
54	MP3C	Mz	-.008	5.25
55	MP3A	Y	-32.5	.25
56	MP3A	My	-.024	.25
57	MP3A	Mz	-.008	.25
58	MP3A	Y	-32.5	5.25
59	MP3A	My	-.024	5.25
60	MP3A	Mz	-.008	5.25
61	MP3B	Y	-32.5	.25
62	MP3B	My	.021	.25
63	MP3B	Mz	-.013	.25
64	MP3B	Y	-32.5	5.25
65	MP3B	My	.021	5.25
66	MP3B	Mz	-.013	5.25
67	MP3C	Y	-32.5	.25
68	MP3C	My	.005	.25
69	MP3C	Mz	.025	.25
70	MP3C	Y	-32.5	5.25
71	MP3C	My	.005	5.25
72	MP3C	Mz	.025	5.25
73	MP4A	Y	-23.1	2.75
74	MP4A	My	-.01	2.75
75	MP4A	Mz	.006	2.75
76	MP4B	Y	-23.1	2.75
77	MP4B	My	.002	2.75
78	MP4B	Mz	-.011	2.75
79	MP4C	Y	-23.1	2.75
80	MP4C	My	.01	2.75
81	MP4C	Mz	.006	2.75
82	MP2A	Y	-84.4	2.75
83	MP2A	My	.037	2.75
84	MP2A	Mz	-.021	2.75
85	MP2B	Y	-84.4	2.75
86	MP2B	My	-.007	2.75
87	MP2B	Mz	.042	2.75
88	MP2C	Y	-84.4	2.75
89	MP2C	My	-.037	2.75
90	MP2C	Mz	-.021	2.75
91	MP4A	Y	-70.3	1
92	MP4A	My	.03	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
93	MP4A	Mz	-.018	1
94	MP4B	Y	-70.3	1
95	MP4B	My	-.006	1
96	MP4B	Mz	.035	1
97	MP4C	Y	-70.3	1
98	MP4C	My	-.03	1
99	MP4C	Mz	-.018	1
100	MP2B	Y	-43.55	2
101	MP2B	My	.004	2
102	MP2B	Mz	-.021	2
103	MP2B	Y	-43.55	3.5
104	MP2B	My	.004	3.5
105	MP2B	Mz	-.021	3.5
106	MP2C	Y	-43.55	2
107	MP2C	My	.019	2
108	MP2C	Mz	.011	2
109	MP2C	Y	-43.55	3.5
110	MP2C	My	.019	3.5
111	MP2C	Mz	.011	3.5
112	MP2A	Y	-43.55	2
113	MP2A	My	-.019	2
114	MP2A	Mz	.011	2
115	MP2A	Y	-43.55	3.5
116	MP2A	My	-.019	3.5
117	MP2A	Mz	.011	3.5
118	M44	Y	-26.9	.5
119	M44	My	0	.5
120	M44	Mz	0	.5
121	M46	Y	-26.9	.5
122	M46	My	0	.5
123	M46	Mz	0	.5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-64.395	1.5
2	MP1A	My	-.028	1.5
3	MP1A	Mz	.016	1.5
4	MP1A	Y	-64.395	4.5
5	MP1A	My	-.028	4.5
6	MP1A	Mz	.016	4.5
7	MP1B	Y	-64.395	1.5
8	MP1B	My	0	1.5
9	MP1B	Mz	-.032	1.5
10	MP1B	Y	-64.395	4.5
11	MP1B	My	0	4.5
12	MP1B	Mz	-.032	4.5
13	MP1C	Y	-64.395	1.5
14	MP1C	My	.028	1.5
15	MP1C	Mz	.016	1.5
16	MP1C	Y	-64.395	4.5
17	MP1C	My	.028	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP1C	Mz	.016	4.5
19	MP5A	Y	-64.395	1.5
20	MP5A	My	-.028	1.5
21	MP5A	Mz	.016	1.5
22	MP5A	Y	-64.395	4.5
23	MP5A	My	-.028	4.5
24	MP5A	Mz	.016	4.5
25	MP5B	Y	-64.395	1.5
26	MP5B	My	0	1.5
27	MP5B	Mz	-.032	1.5
28	MP5B	Y	-64.395	4.5
29	MP5B	My	0	4.5
30	MP5B	Mz	-.032	4.5
31	MP5C	Y	-64.395	1.5
32	MP5C	My	.028	1.5
33	MP5C	Mz	.016	1.5
34	MP5C	Y	-64.395	4.5
35	MP5C	My	.028	4.5
36	MP5C	Mz	.016	4.5
37	MP3A	Y	-68.045	.25
38	MP3A	My	-.01	.25
39	MP3A	Mz	.051	.25
40	MP3A	Y	-68.045	5.25
41	MP3A	My	-.01	5.25
42	MP3A	Mz	.051	5.25
43	MP3B	Y	-68.045	.25
44	MP3B	My	-.033	.25
45	MP3B	Mz	-.04	.25
46	MP3B	Y	-68.045	5.25
47	MP3B	My	-.033	5.25
48	MP3B	Mz	-.04	5.25
49	MP3C	Y	-68.045	.25
50	MP3C	My	.049	.25
51	MP3C	Mz	-.017	.25
52	MP3C	Y	-68.045	5.25
53	MP3C	My	.049	5.25
54	MP3C	Mz	-.017	5.25
55	MP3A	Y	-68.045	.25
56	MP3A	My	-.049	.25
57	MP3A	Mz	-.017	.25
58	MP3A	Y	-68.045	5.25
59	MP3A	My	-.049	5.25
60	MP3A	Mz	-.017	5.25
61	MP3B	Y	-68.045	.25
62	MP3B	My	.045	.25
63	MP3B	Mz	-.027	.25
64	MP3B	Y	-68.045	5.25
65	MP3B	My	.045	5.25
66	MP3B	Mz	-.027	5.25
67	MP3C	Y	-68.045	.25
68	MP3C	My	.01	.25
69	MP3C	Mz	.051	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
70	MP3C	Y	-68.045	5.25
71	MP3C	My	.01	5.25
72	MP3C	Mz	.051	5.25
73	MP4A	Y	-17.971	2.75
74	MP4A	My	-.008	2.75
75	MP4A	Mz	.004	2.75
76	MP4B	Y	-17.971	2.75
77	MP4B	My	.002	2.75
78	MP4B	Mz	-.009	2.75
79	MP4C	Y	-17.971	2.75
80	MP4C	My	.008	2.75
81	MP4C	Mz	.004	2.75
82	MP2A	Y	-44.312	2.75
83	MP2A	My	.019	2.75
84	MP2A	Mz	-.011	2.75
85	MP2B	Y	-44.312	2.75
86	MP2B	My	-.004	2.75
87	MP2B	Mz	.022	2.75
88	MP2C	Y	-44.312	2.75
89	MP2C	My	-.019	2.75
90	MP2C	Mz	-.011	2.75
91	MP4A	Y	-39.847	1
92	MP4A	My	.017	1
93	MP4A	Mz	-.01	1
94	MP4B	Y	-39.847	1
95	MP4B	My	-.003	1
96	MP4B	Mz	.02	1
97	MP4C	Y	-39.847	1
98	MP4C	My	-.017	1
99	MP4C	Mz	-.01	1
100	MP2B	Y	-32.56	2
101	MP2B	My	.003	2
102	MP2B	Mz	-.016	2
103	MP2B	Y	-32.56	3.5
104	MP2B	My	.003	3.5
105	MP2B	Mz	-.016	3.5
106	MP2C	Y	-32.56	2
107	MP2C	My	.014	2
108	MP2C	Mz	.008	2
109	MP2C	Y	-32.56	3.5
110	MP2C	My	.014	3.5
111	MP2C	Mz	.008	3.5
112	MP2A	Y	-32.56	2
113	MP2A	My	-.014	2
114	MP2A	Mz	.008	2
115	MP2A	Y	-32.56	3.5
116	MP2A	My	-.014	3.5
117	MP2A	Mz	.008	3.5
118	M44	Y	-54.573	.5
119	M44	My	0	.5
120	M44	Mz	0	.5
121	M46	Y	-54.573	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
122	M46	My	0	.5
123	M46	Mz	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	-88.222	1.5
3	MP1A	Mx	-.022	1.5
4	MP1A	X	0	4.5
5	MP1A	Z	-88.222	4.5
6	MP1A	Mx	-.022	4.5
7	MP1B	X	0	1.5
8	MP1B	Z	-65.387	1.5
9	MP1B	Mx	.033	1.5
10	MP1B	X	0	4.5
11	MP1B	Z	-65.387	4.5
12	MP1B	Mx	.033	4.5
13	MP1C	X	0	1.5
14	MP1C	Z	-88.222	1.5
15	MP1C	Mx	-.022	1.5
16	MP1C	X	0	4.5
17	MP1C	Z	-88.222	4.5
18	MP1C	Mx	-.022	4.5
19	MP5A	X	0	1.5
20	MP5A	Z	-88.222	1.5
21	MP5A	Mx	-.022	1.5
22	MP5A	X	0	4.5
23	MP5A	Z	-88.222	4.5
24	MP5A	Mx	-.022	4.5
25	MP5B	X	0	1.5
26	MP5B	Z	-65.387	1.5
27	MP5B	Mx	.033	1.5
28	MP5B	X	0	4.5
29	MP5B	Z	-65.387	4.5
30	MP5B	Mx	.033	4.5
31	MP5C	X	0	1.5
32	MP5C	Z	-88.222	1.5
33	MP5C	Mx	-.022	1.5
34	MP5C	X	0	4.5
35	MP5C	Z	-88.222	4.5
36	MP5C	Mx	-.022	4.5
37	MP3A	X	0	.25
38	MP3A	Z	-128.176	.25
39	MP3A	Mx	-.097	.25
40	MP3A	X	0	5.25
41	MP3A	Z	-128.176	5.25
42	MP3A	Mx	-.097	5.25
43	MP3B	X	0	.25
44	MP3B	Z	-112.438	.25
45	MP3B	Mx	.067	.25
46	MP3B	X	0	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
47	MP3B	Z	-112.438	5.25
48	MP3B	Mx	.067	5.25
49	MP3C	X	0	.25
50	MP3C	Z	-128.176	.25
51	MP3C	Mx	.033	.25
52	MP3C	X	0	5.25
53	MP3C	Z	-128.176	5.25
54	MP3C	Mx	.033	5.25
55	MP3A	X	0	.25
56	MP3A	Z	-128.176	.25
57	MP3A	Mx	.033	.25
58	MP3A	X	0	5.25
59	MP3A	Z	-128.176	5.25
60	MP3A	Mx	.033	5.25
61	MP3B	X	0	.25
62	MP3B	Z	-112.438	.25
63	MP3B	Mx	.044	.25
64	MP3B	X	0	5.25
65	MP3B	Z	-112.438	5.25
66	MP3B	Mx	.044	5.25
67	MP3C	X	0	.25
68	MP3C	Z	-128.176	.25
69	MP3C	Mx	-.097	.25
70	MP3C	X	0	5.25
71	MP3C	Z	-128.176	5.25
72	MP3C	Mx	-.097	5.25
73	MP4A	X	0	2.75
74	MP4A	Z	-25.539	2.75
75	MP4A	Mx	-.006	2.75
76	MP4B	X	0	2.75
77	MP4B	Z	-14.827	2.75
78	MP4B	Mx	.007	2.75
79	MP4C	X	0	2.75
80	MP4C	Z	-25.539	2.75
81	MP4C	Mx	-.006	2.75
82	MP2A	X	0	2.75
83	MP2A	Z	-56.383	2.75
84	MP2A	Mx	.014	2.75
85	MP2B	X	0	2.75
86	MP2B	Z	-41.71	2.75
87	MP2B	Mx	-.021	2.75
88	MP2C	X	0	2.75
89	MP2C	Z	-56.383	2.75
90	MP2C	Mx	.014	2.75
91	MP4A	X	0	1
92	MP4A	Z	-54.431	1
93	MP4A	Mx	.014	1
94	MP4B	X	0	1
95	MP4B	Z	-34.137	1
96	MP4B	Mx	-.017	1
97	MP4C	X	0	1
98	MP4C	Z	-54.431	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
99	MP4C	Mx	.014	1
100	MP2B	X	0	2
101	MP2B	Z	-28.485	2
102	MP2B	Mx	.014	2
103	MP2B	X	0	3.5
104	MP2B	Z	-28.485	3.5
105	MP2B	Mx	.014	3.5
106	MP2C	X	0	2
107	MP2C	Z	-59.806	2
108	MP2C	Mx	-.015	2
109	MP2C	X	0	3.5
110	MP2C	Z	-59.806	3.5
111	MP2C	Mx	-.015	3.5
112	MP2A	X	0	2
113	MP2A	Z	-59.806	2
114	MP2A	Mx	-.015	2
115	MP2A	X	0	3.5
116	MP2A	Z	-59.806	3.5
117	MP2A	Mx	-.015	3.5
118	M44	X	0	.5
119	M44	Z	-60.578	.5
120	M44	Mx	0	.5
121	M46	X	0	.5
122	M46	Z	-60.578	.5
123	M46	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	36.499	1.5
2	MP1A	Z	-63.219	1.5
3	MP1A	Mx	-.032	1.5
4	MP1A	X	36.499	4.5
5	MP1A	Z	-63.219	4.5
6	MP1A	Mx	-.032	4.5
7	MP1B	X	36.499	1.5
8	MP1B	Z	-63.219	1.5
9	MP1B	Mx	.032	1.5
10	MP1B	X	36.499	4.5
11	MP1B	Z	-63.219	4.5
12	MP1B	Mx	.032	4.5
13	MP1C	X	47.917	1.5
14	MP1C	Z	-82.995	1.5
15	MP1C	Mx	0	1.5
16	MP1C	X	47.917	4.5
17	MP1C	Z	-82.995	4.5
18	MP1C	Mx	0	4.5
19	MP5A	X	36.499	1.5
20	MP5A	Z	-63.219	1.5
21	MP5A	Mx	-.032	1.5
22	MP5A	X	36.499	4.5
23	MP5A	Z	-63.219	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP5A	Mx	-.032	4.5
25	MP5B	X	36.499	1.5
26	MP5B	Z	-63.219	1.5
27	MP5B	Mx	.032	1.5
28	MP5B	X	36.499	4.5
29	MP5B	Z	-63.219	4.5
30	MP5B	Mx	.032	4.5
31	MP5C	X	47.917	1.5
32	MP5C	Z	-82.995	1.5
33	MP5C	Mx	0	1.5
34	MP5C	X	47.917	4.5
35	MP5C	Z	-82.995	4.5
36	MP5C	Mx	0	4.5
37	MP3A	X	58.622	.25
38	MP3A	Z	-101.537	.25
39	MP3A	Mx	-.085	.25
40	MP3A	X	58.622	5.25
41	MP3A	Z	-101.537	5.25
42	MP3A	Mx	-.085	5.25
43	MP3B	X	57.168	.25
44	MP3B	Z	-99.018	.25
45	MP3B	Mx	.031	.25
46	MP3B	X	57.168	5.25
47	MP3B	Z	-99.018	5.25
48	MP3B	Mx	.031	5.25
49	MP3C	X	66.821	.25
50	MP3C	Z	-115.737	.25
51	MP3C	Mx	.078	.25
52	MP3C	X	66.821	5.25
53	MP3C	Z	-115.737	5.25
54	MP3C	Mx	.078	5.25
55	MP3A	X	58.622	.25
56	MP3A	Z	-101.537	.25
57	MP3A	Mx	-.017	.25
58	MP3A	X	58.622	5.25
59	MP3A	Z	-101.537	5.25
60	MP3A	Mx	-.017	5.25
61	MP3B	X	57.168	.25
62	MP3B	Z	-99.018	.25
63	MP3B	Mx	.077	.25
64	MP3B	X	57.168	5.25
65	MP3B	Z	-99.018	5.25
66	MP3B	Mx	.077	5.25
67	MP3C	X	66.821	.25
68	MP3C	Z	-115.737	.25
69	MP3C	Mx	-.078	.25
70	MP3C	X	66.821	5.25
71	MP3C	Z	-115.737	5.25
72	MP3C	Mx	-.078	5.25
73	MP4A	X	9.049	2.75
74	MP4A	Z	-15.674	2.75
75	MP4A	Mx	-.008	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
76	MP4B	X	8.059	2.75
77	MP4B	Z	-13.959	2.75
78	MP4B	Mx	.008	2.75
79	MP4C	X	14.63	2.75
80	MP4C	Z	-25.34	2.75
81	MP4C	Mx	0	2.75
82	MP2A	X	23.095	2.75
83	MP2A	Z	-40.003	2.75
84	MP2A	Mx	.02	2.75
85	MP2B	X	21.74	2.75
86	MP2B	Z	-37.654	2.75
87	MP2B	Mx	-.02	2.75
88	MP2C	X	30.739	2.75
89	MP2C	Z	-53.242	2.75
90	MP2C	Mx	0	2.75
91	MP4A	X	20.167	1
92	MP4A	Z	-34.931	1
93	MP4A	Mx	.017	1
94	MP4B	X	18.292	1
95	MP4B	Z	-31.683	1
96	MP4B	Mx	-.017	1
97	MP4C	X	30.739	1
98	MP4C	Z	-53.242	1
99	MP4C	Mx	0	1
100	MP2B	X	16.131	2
101	MP2B	Z	-27.94	2
102	MP2B	Mx	.015	2
103	MP2B	X	16.131	3.5
104	MP2B	Z	-27.94	3.5
105	MP2B	Mx	.015	3.5
106	MP2C	X	35.342	2
107	MP2C	Z	-61.214	2
108	MP2C	Mx	0	2
109	MP2C	X	35.342	3.5
110	MP2C	Z	-61.214	3.5
111	MP2C	Mx	0	3.5
112	MP2A	X	19.025	2
113	MP2A	Z	-32.953	2
114	MP2A	Mx	-.016	2
115	MP2A	X	19.025	3.5
116	MP2A	Z	-32.953	3.5
117	MP2A	Mx	-.016	3.5
118	M44	X	26.687	.5
119	M44	Z	-46.224	.5
120	M44	Mx	0	.5
121	M46	X	26.687	.5
122	M46	Z	-46.224	.5
123	M46	Mx	0	.5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	56.627	1.5
2	MP1A	Z	-32.693	1.5
3	MP1A	Mx	-.033	1.5
4	MP1A	X	56.627	4.5
5	MP1A	Z	-32.693	4.5
6	MP1A	Mx	-.033	4.5
7	MP1B	X	76.403	1.5
8	MP1B	Z	-44.111	1.5
9	MP1B	Mx	.022	1.5
10	MP1B	X	76.403	4.5
11	MP1B	Z	-44.111	4.5
12	MP1B	Mx	.022	4.5
13	MP1C	X	76.403	1.5
14	MP1C	Z	-44.111	1.5
15	MP1C	Mx	.022	1.5
16	MP1C	X	76.403	4.5
17	MP1C	Z	-44.111	4.5
18	MP1C	Mx	.022	4.5
19	MP5A	X	56.627	1.5
20	MP5A	Z	-32.693	1.5
21	MP5A	Mx	-.033	1.5
22	MP5A	X	56.627	4.5
23	MP5A	Z	-32.693	4.5
24	MP5A	Mx	-.033	4.5
25	MP5B	X	76.403	1.5
26	MP5B	Z	-44.111	1.5
27	MP5B	Mx	.022	1.5
28	MP5B	X	76.403	4.5
29	MP5B	Z	-44.111	4.5
30	MP5B	Mx	.022	4.5
31	MP5C	X	76.403	1.5
32	MP5C	Z	-44.111	1.5
33	MP5C	Mx	.022	1.5
34	MP5C	X	76.403	4.5
35	MP5C	Z	-44.111	4.5
36	MP5C	Mx	.022	4.5
37	MP3A	X	96.803	.25
38	MP3A	Z	-55.889	.25
39	MP3A	Mx	-.056	.25
40	MP3A	X	96.803	5.25
41	MP3A	Z	-55.889	5.25
42	MP3A	Mx	-.056	5.25
43	MP3B	X	107.914	.25
44	MP3B	Z	-62.304	.25
45	MP3B	Mx	-.016	.25
46	MP3B	X	107.914	5.25
47	MP3B	Z	-62.304	5.25
48	MP3B	Mx	-.016	5.25
49	MP3C	X	111.004	.25
50	MP3C	Z	-64.088	.25
51	MP3C	Mx	.097	.25
52	MP3C	X	111.004	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	-64.088	5.25
54	MP3C	Mx	.097	5.25
55	MP3A	X	96.803	.25
56	MP3A	Z	-55.889	.25
57	MP3A	Mx	-.056	.25
58	MP3A	X	96.803	5.25
59	MP3A	Z	-55.889	5.25
60	MP3A	Mx	-.056	5.25
61	MP3B	X	107.914	.25
62	MP3B	Z	-62.304	.25
63	MP3B	Mx	.096	.25
64	MP3B	X	107.914	5.25
65	MP3B	Z	-62.304	5.25
66	MP3B	Mx	.096	5.25
67	MP3C	X	111.004	.25
68	MP3C	Z	-64.088	.25
69	MP3C	Mx	-.033	.25
70	MP3C	X	111.004	5.25
71	MP3C	Z	-64.088	5.25
72	MP3C	Mx	-.033	5.25
73	MP4A	X	12.452	2.75
74	MP4A	Z	-7.189	2.75
75	MP4A	Mx	-.007	2.75
76	MP4B	X	20.015	2.75
77	MP4B	Z	-11.555	2.75
78	MP4B	Mx	.007	2.75
79	MP4C	X	22.118	2.75
80	MP4C	Z	-12.77	2.75
81	MP4C	Mx	.006	2.75
82	MP2A	X	35.589	2.75
83	MP2A	Z	-20.548	2.75
84	MP2A	Mx	.021	2.75
85	MP2B	X	45.948	2.75
86	MP2B	Z	-26.528	2.75
87	MP2B	Mx	-.017	2.75
88	MP2C	X	48.829	2.75
89	MP2C	Z	-28.191	2.75
90	MP2C	Mx	-.014	2.75
91	MP4A	X	28.827	1
92	MP4A	Z	-16.644	1
93	MP4A	Mx	.017	1
94	MP4B	X	43.154	1
95	MP4B	Z	-24.915	1
96	MP4B	Mx	-.016	1
97	MP4C	X	47.138	1
98	MP4C	Z	-27.215	1
99	MP4C	Mx	-.014	1
100	MP2B	X	45.645	2
101	MP2B	Z	-26.353	2
102	MP2B	Mx	.017	2
103	MP2B	X	45.645	3.5
104	MP2B	Z	-26.353	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
105	MP2B	Mx	.017	3.5
106	MP2C	X	51.794	2
107	MP2C	Z	-29.903	2
108	MP2C	Mx	.015	2
109	MP2C	X	51.794	3.5
110	MP2C	Z	-29.903	3.5
111	MP2C	Mx	.015	3.5
112	MP2A	X	23.532	2
113	MP2A	Z	-13.586	2
114	MP2A	Mx	-.014	2
115	MP2A	X	23.532	3.5
116	MP2A	Z	-13.586	3.5
117	MP2A	Mx	-.014	3.5
118	M44	X	52.462	.5
119	M44	Z	-30.289	.5
120	M44	Mx	0	.5
121	M46	X	52.462	.5
122	M46	Z	-30.289	.5
123	M46	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	72.999	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	-.032	1.5
4	MP1A	X	72.999	4.5
5	MP1A	Z	0	4.5
6	MP1A	Mx	-.032	4.5
7	MP1B	X	95.834	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	0	1.5
10	MP1B	X	95.834	4.5
11	MP1B	Z	0	4.5
12	MP1B	Mx	0	4.5
13	MP1C	X	72.999	1.5
14	MP1C	Z	0	1.5
15	MP1C	Mx	.032	1.5
16	MP1C	X	72.999	4.5
17	MP1C	Z	0	4.5
18	MP1C	Mx	.032	4.5
19	MP5A	X	72.999	1.5
20	MP5A	Z	0	1.5
21	MP5A	Mx	-.032	1.5
22	MP5A	X	72.999	4.5
23	MP5A	Z	0	4.5
24	MP5A	Mx	-.032	4.5
25	MP5B	X	95.834	1.5
26	MP5B	Z	0	1.5
27	MP5B	Mx	0	1.5
28	MP5B	X	95.834	4.5
29	MP5B	Z	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP5B	Mx	0	4.5
31	MP5C	X	72.999	1.5
32	MP5C	Z	0	1.5
33	MP5C	Mx	.032	1.5
34	MP5C	X	72.999	4.5
35	MP5C	Z	0	4.5
36	MP5C	Mx	.032	4.5
37	MP3A	X	117.245	.25
38	MP3A	Z	0	.25
39	MP3A	Mx	-.017	.25
40	MP3A	X	117.245	5.25
41	MP3A	Z	0	5.25
42	MP3A	Mx	-.017	5.25
43	MP3B	X	132.982	.25
44	MP3B	Z	0	.25
45	MP3B	Mx	-.065	.25
46	MP3B	X	132.982	5.25
47	MP3B	Z	0	5.25
48	MP3B	Mx	-.065	5.25
49	MP3C	X	117.245	.25
50	MP3C	Z	0	.25
51	MP3C	Mx	.085	.25
52	MP3C	X	117.245	5.25
53	MP3C	Z	0	5.25
54	MP3C	Mx	.085	5.25
55	MP3A	X	117.245	.25
56	MP3A	Z	0	.25
57	MP3A	Mx	-.085	.25
58	MP3A	X	117.245	5.25
59	MP3A	Z	0	5.25
60	MP3A	Mx	-.085	5.25
61	MP3B	X	132.982	.25
62	MP3B	Z	0	.25
63	MP3B	Mx	.088	.25
64	MP3B	X	132.982	5.25
65	MP3B	Z	0	5.25
66	MP3B	Mx	.088	5.25
67	MP3C	X	117.245	.25
68	MP3C	Z	0	.25
69	MP3C	Mx	.017	.25
70	MP3C	X	117.245	5.25
71	MP3C	Z	0	5.25
72	MP3C	Mx	.017	5.25
73	MP4A	X	18.098	2.75
74	MP4A	Z	0	2.75
75	MP4A	Mx	-.008	2.75
76	MP4B	X	28.811	2.75
77	MP4B	Z	0	2.75
78	MP4B	Mx	.003	2.75
79	MP4C	X	18.098	2.75
80	MP4C	Z	0	2.75
81	MP4C	Mx	.008	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP2A	X	46.191	2.75
83	MP2A	Z	0	2.75
84	MP2A	Mx	.02	2.75
85	MP2B	X	60.864	2.75
86	MP2B	Z	0	2.75
87	MP2B	Mx	-.005	2.75
88	MP2C	X	46.191	2.75
89	MP2C	Z	0	2.75
90	MP2C	Mx	-.02	2.75
91	MP4A	X	40.335	1
92	MP4A	Z	0	1
93	MP4A	Mx	.017	1
94	MP4B	X	60.628	1
95	MP4B	Z	0	1
96	MP4B	Mx	-.005	1
97	MP4C	X	40.335	1
98	MP4C	Z	0	1
99	MP4C	Mx	-.017	1
100	MP2B	X	69.372	2
101	MP2B	Z	0	2
102	MP2B	Mx	.006	2
103	MP2B	X	69.372	3.5
104	MP2B	Z	0	3.5
105	MP2B	Mx	.006	3.5
106	MP2C	X	38.051	2
107	MP2C	Z	0	2
108	MP2C	Mx	.016	2
109	MP2C	X	38.051	3.5
110	MP2C	Z	0	3.5
111	MP2C	Mx	.016	3.5
112	MP2A	X	38.051	2
113	MP2A	Z	0	2
114	MP2A	Mx	-.016	2
115	MP2A	X	38.051	3.5
116	MP2A	Z	0	3.5
117	MP2A	Mx	-.016	3.5
118	M44	X	74.986	.5
119	M44	Z	0	.5
120	M44	Mx	0	.5
121	M46	X	74.986	.5
122	M46	Z	0	.5
123	M46	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	76.403	1.5
2	MP1A	Z	44.111	1.5
3	MP1A	Mx	-.022	1.5
4	MP1A	X	76.403	4.5
5	MP1A	Z	44.111	4.5
6	MP1A	Mx	-.022	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP1B	X	76.403	1.5
8	MP1B	Z	44.111	1.5
9	MP1B	Mx	-.022	1.5
10	MP1B	X	76.403	4.5
11	MP1B	Z	44.111	4.5
12	MP1B	Mx	-.022	4.5
13	MP1C	X	56.627	1.5
14	MP1C	Z	32.693	1.5
15	MP1C	Mx	.033	1.5
16	MP1C	X	56.627	4.5
17	MP1C	Z	32.693	4.5
18	MP1C	Mx	.033	4.5
19	MP5A	X	76.403	1.5
20	MP5A	Z	44.111	1.5
21	MP5A	Mx	-.022	1.5
22	MP5A	X	76.403	4.5
23	MP5A	Z	44.111	4.5
24	MP5A	Mx	-.022	4.5
25	MP5B	X	76.403	1.5
26	MP5B	Z	44.111	1.5
27	MP5B	Mx	-.022	1.5
28	MP5B	X	76.403	4.5
29	MP5B	Z	44.111	4.5
30	MP5B	Mx	-.022	4.5
31	MP5C	X	56.627	1.5
32	MP5C	Z	32.693	1.5
33	MP5C	Mx	.033	1.5
34	MP5C	X	56.627	4.5
35	MP5C	Z	32.693	4.5
36	MP5C	Mx	.033	4.5
37	MP3A	X	111.004	.25
38	MP3A	Z	64.088	.25
39	MP3A	Mx	.033	.25
40	MP3A	X	111.004	5.25
41	MP3A	Z	64.088	5.25
42	MP3A	Mx	.033	5.25
43	MP3B	X	113.522	.25
44	MP3B	Z	65.542	.25
45	MP3B	Mx	-.094	.25
46	MP3B	X	113.522	5.25
47	MP3B	Z	65.542	5.25
48	MP3B	Mx	-.094	5.25
49	MP3C	X	96.803	.25
50	MP3C	Z	55.889	.25
51	MP3C	Mx	.056	.25
52	MP3C	X	96.803	5.25
53	MP3C	Z	55.889	5.25
54	MP3C	Mx	.056	5.25
55	MP3A	X	111.004	.25
56	MP3A	Z	64.088	.25
57	MP3A	Mx	-.097	.25
58	MP3A	X	111.004	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP3A	Z	64.088	5.25
60	MP3A	Mx	-.097	5.25
61	MP3B	X	113.522	.25
62	MP3B	Z	65.542	.25
63	MP3B	Mx	.049	.25
64	MP3B	X	113.522	5.25
65	MP3B	Z	65.542	5.25
66	MP3B	Mx	.049	5.25
67	MP3C	X	96.803	.25
68	MP3C	Z	55.889	.25
69	MP3C	Mx	.056	.25
70	MP3C	X	96.803	5.25
71	MP3C	Z	55.889	5.25
72	MP3C	Mx	.056	5.25
73	MP4A	X	22.118	2.75
74	MP4A	Z	12.77	2.75
75	MP4A	Mx	-.006	2.75
76	MP4B	X	23.832	2.75
77	MP4B	Z	13.759	2.75
78	MP4B	Mx	-.005	2.75
79	MP4C	X	12.452	2.75
80	MP4C	Z	7.189	2.75
81	MP4C	Mx	.007	2.75
82	MP2A	X	48.829	2.75
83	MP2A	Z	28.191	2.75
84	MP2A	Mx	.014	2.75
85	MP2B	X	51.177	2.75
86	MP2B	Z	29.547	2.75
87	MP2B	Mx	.01	2.75
88	MP2C	X	35.589	2.75
89	MP2C	Z	20.548	2.75
90	MP2C	Mx	-.021	2.75
91	MP4A	X	47.138	1
92	MP4A	Z	27.215	1
93	MP4A	Mx	.014	1
94	MP4B	X	50.386	1
95	MP4B	Z	29.09	1
96	MP4B	Mx	.01	1
97	MP4C	X	28.827	1
98	MP4C	Z	16.644	1
99	MP4C	Mx	-.017	1
100	MP2B	X	56.806	2
101	MP2B	Z	32.797	2
102	MP2B	Mx	-.011	2
103	MP2B	X	56.806	3.5
104	MP2B	Z	32.797	3.5
105	MP2B	Mx	-.011	3.5
106	MP2C	X	23.532	2
107	MP2C	Z	13.586	2
108	MP2C	Mx	.014	2
109	MP2C	X	23.532	3.5
110	MP2C	Z	13.586	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
111	MP2C	Mx	.014	3.5
112	MP2A	X	51.794	2
113	MP2A	Z	29.903	2
114	MP2A	Mx	-.015	2
115	MP2A	X	51.794	3.5
116	MP2A	Z	29.903	3.5
117	MP2A	Mx	-.015	3.5
118	M44	X	71.179	.5
119	M44	Z	41.095	.5
120	M44	Mx	0	.5
121	M46	X	71.179	.5
122	M46	Z	41.095	.5
123	M46	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	47.917	1.5
2	MP1A	Z	82.995	1.5
3	MP1A	Mx	0	1.5
4	MP1A	X	47.917	4.5
5	MP1A	Z	82.995	4.5
6	MP1A	Mx	0	4.5
7	MP1B	X	36.499	1.5
8	MP1B	Z	63.219	1.5
9	MP1B	Mx	-.032	1.5
10	MP1B	X	36.499	4.5
11	MP1B	Z	63.219	4.5
12	MP1B	Mx	-.032	4.5
13	MP1C	X	36.499	1.5
14	MP1C	Z	63.219	1.5
15	MP1C	Mx	.032	1.5
16	MP1C	X	36.499	4.5
17	MP1C	Z	63.219	4.5
18	MP1C	Mx	.032	4.5
19	MP5A	X	47.917	1.5
20	MP5A	Z	82.995	1.5
21	MP5A	Mx	0	1.5
22	MP5A	X	47.917	4.5
23	MP5A	Z	82.995	4.5
24	MP5A	Mx	0	4.5
25	MP5B	X	36.499	1.5
26	MP5B	Z	63.219	1.5
27	MP5B	Mx	-.032	1.5
28	MP5B	X	36.499	4.5
29	MP5B	Z	63.219	4.5
30	MP5B	Mx	-.032	4.5
31	MP5C	X	36.499	1.5
32	MP5C	Z	63.219	1.5
33	MP5C	Mx	.032	1.5
34	MP5C	X	36.499	4.5
35	MP5C	Z	63.219	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP5C	Mx	.032	4.5
37	MP3A	X	66.821	.25
38	MP3A	Z	115.737	.25
39	MP3A	Mx	.078	.25
40	MP3A	X	66.821	5.25
41	MP3A	Z	115.737	5.25
42	MP3A	Mx	.078	5.25
43	MP3B	X	60.406	.25
44	MP3B	Z	104.626	.25
45	MP3B	Mx	-.092	.25
46	MP3B	X	60.406	5.25
47	MP3B	Z	104.626	5.25
48	MP3B	Mx	-.092	5.25
49	MP3C	X	58.622	.25
50	MP3C	Z	101.537	.25
51	MP3C	Mx	.017	.25
52	MP3C	X	58.622	5.25
53	MP3C	Z	101.537	5.25
54	MP3C	Mx	.017	5.25
55	MP3A	X	66.821	.25
56	MP3A	Z	115.737	.25
57	MP3A	Mx	-.078	.25
58	MP3A	X	66.821	5.25
59	MP3A	Z	115.737	5.25
60	MP3A	Mx	-.078	5.25
61	MP3B	X	60.406	.25
62	MP3B	Z	104.626	.25
63	MP3B	Mx	-.000974	.25
64	MP3B	X	60.406	5.25
65	MP3B	Z	104.626	5.25
66	MP3B	Mx	-.000974	5.25
67	MP3C	X	58.622	.25
68	MP3C	Z	101.537	.25
69	MP3C	Mx	.085	.25
70	MP3C	X	58.622	5.25
71	MP3C	Z	101.537	5.25
72	MP3C	Mx	.085	5.25
73	MP4A	X	14.63	2.75
74	MP4A	Z	25.34	2.75
75	MP4A	Mx	0	2.75
76	MP4B	X	10.263	2.75
77	MP4B	Z	17.777	2.75
78	MP4B	Mx	-.008	2.75
79	MP4C	X	9.049	2.75
80	MP4C	Z	15.674	2.75
81	MP4C	Mx	.008	2.75
82	MP2A	X	30.739	2.75
83	MP2A	Z	53.242	2.75
84	MP2A	Mx	0	2.75
85	MP2B	X	24.759	2.75
86	MP2B	Z	42.883	2.75
87	MP2B	Mx	.019	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP2C	X	23.095	2.75
89	MP2C	Z	40.003	2.75
90	MP2C	Mx	-.02	2.75
91	MP4A	X	30.739	1
92	MP4A	Z	53.242	1
93	MP4A	Mx	0	1
94	MP4B	X	22.468	1
95	MP4B	Z	38.915	1
96	MP4B	Mx	.017	1
97	MP4C	X	20.167	1
98	MP4C	Z	34.931	1
99	MP4C	Mx	-.017	1
100	MP2B	X	22.575	2
101	MP2B	Z	39.102	2
102	MP2B	Mx	-.017	2
103	MP2B	X	22.575	3.5
104	MP2B	Z	39.102	3.5
105	MP2B	Mx	-.017	3.5
106	MP2C	X	19.025	2
107	MP2C	Z	32.953	2
108	MP2C	Mx	.016	2
109	MP2C	X	19.025	3.5
110	MP2C	Z	32.953	3.5
111	MP2C	Mx	.016	3.5
112	MP2A	X	35.342	2
113	MP2A	Z	61.214	2
114	MP2A	Mx	0	2
115	MP2A	X	35.342	3.5
116	MP2A	Z	61.214	3.5
117	MP2A	Mx	0	3.5
118	M44	X	37.493	.5
119	M44	Z	64.94	.5
120	M44	Mx	0	.5
121	M46	X	37.493	.5
122	M46	Z	64.94	.5
123	M46	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	88.222	1.5
3	MP1A	Mx	.022	1.5
4	MP1A	X	0	4.5
5	MP1A	Z	88.222	4.5
6	MP1A	Mx	.022	4.5
7	MP1B	X	0	1.5
8	MP1B	Z	65.387	1.5
9	MP1B	Mx	-.033	1.5
10	MP1B	X	0	4.5
11	MP1B	Z	65.387	4.5
12	MP1B	Mx	-.033	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP1C	X	0	1.5
14	MP1C	Z	88.222	1.5
15	MP1C	Mx	.022	1.5
16	MP1C	X	0	4.5
17	MP1C	Z	88.222	4.5
18	MP1C	Mx	.022	4.5
19	MP5A	X	0	1.5
20	MP5A	Z	88.222	1.5
21	MP5A	Mx	.022	1.5
22	MP5A	X	0	4.5
23	MP5A	Z	88.222	4.5
24	MP5A	Mx	.022	4.5
25	MP5B	X	0	1.5
26	MP5B	Z	65.387	1.5
27	MP5B	Mx	-.033	1.5
28	MP5B	X	0	4.5
29	MP5B	Z	65.387	4.5
30	MP5B	Mx	-.033	4.5
31	MP5C	X	0	1.5
32	MP5C	Z	88.222	1.5
33	MP5C	Mx	.022	1.5
34	MP5C	X	0	4.5
35	MP5C	Z	88.222	4.5
36	MP5C	Mx	.022	4.5
37	MP3A	X	0	.25
38	MP3A	Z	128.176	.25
39	MP3A	Mx	.097	.25
40	MP3A	X	0	5.25
41	MP3A	Z	128.176	5.25
42	MP3A	Mx	.097	5.25
43	MP3B	X	0	.25
44	MP3B	Z	112.438	.25
45	MP3B	Mx	-.067	.25
46	MP3B	X	0	5.25
47	MP3B	Z	112.438	5.25
48	MP3B	Mx	-.067	5.25
49	MP3C	X	0	.25
50	MP3C	Z	128.176	.25
51	MP3C	Mx	-.033	.25
52	MP3C	X	0	5.25
53	MP3C	Z	128.176	5.25
54	MP3C	Mx	-.033	5.25
55	MP3A	X	0	.25
56	MP3A	Z	128.176	.25
57	MP3A	Mx	-.033	.25
58	MP3A	X	0	5.25
59	MP3A	Z	128.176	5.25
60	MP3A	Mx	-.033	5.25
61	MP3B	X	0	.25
62	MP3B	Z	112.438	.25
63	MP3B	Mx	-.044	.25
64	MP3B	X	0	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP3B	Z	112.438	5.25
66	MP3B	Mx	-.044	5.25
67	MP3C	X	0	.25
68	MP3C	Z	128.176	.25
69	MP3C	Mx	.097	.25
70	MP3C	X	0	5.25
71	MP3C	Z	128.176	5.25
72	MP3C	Mx	.097	5.25
73	MP4A	X	0	2.75
74	MP4A	Z	25.539	2.75
75	MP4A	Mx	.006	2.75
76	MP4B	X	0	2.75
77	MP4B	Z	14.827	2.75
78	MP4B	Mx	-.007	2.75
79	MP4C	X	0	2.75
80	MP4C	Z	25.539	2.75
81	MP4C	Mx	.006	2.75
82	MP2A	X	0	2.75
83	MP2A	Z	56.383	2.75
84	MP2A	Mx	-.014	2.75
85	MP2B	X	0	2.75
86	MP2B	Z	41.71	2.75
87	MP2B	Mx	.021	2.75
88	MP2C	X	0	2.75
89	MP2C	Z	56.383	2.75
90	MP2C	Mx	-.014	2.75
91	MP4A	X	0	1
92	MP4A	Z	54.431	1
93	MP4A	Mx	-.014	1
94	MP4B	X	0	1
95	MP4B	Z	34.137	1
96	MP4B	Mx	.017	1
97	MP4C	X	0	1
98	MP4C	Z	54.431	1
99	MP4C	Mx	-.014	1
100	MP2B	X	0	2
101	MP2B	Z	28.485	2
102	MP2B	Mx	-.014	2
103	MP2B	X	0	3.5
104	MP2B	Z	28.485	3.5
105	MP2B	Mx	-.014	3.5
106	MP2C	X	0	2
107	MP2C	Z	59.806	2
108	MP2C	Mx	.015	2
109	MP2C	X	0	3.5
110	MP2C	Z	59.806	3.5
111	MP2C	Mx	.015	3.5
112	MP2A	X	0	2
113	MP2A	Z	59.806	2
114	MP2A	Mx	.015	2
115	MP2A	X	0	3.5
116	MP2A	Z	59.806	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
117	MP2A	Mx	.015	3.5
118	M44	X	0	.5
119	M44	Z	60.578	.5
120	M44	Mx	0	.5
121	M46	X	0	.5
122	M46	Z	60.578	.5
123	M46	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-36.499	1.5
2	MP1A	Z	63.219	1.5
3	MP1A	Mx	.032	1.5
4	MP1A	X	-36.499	4.5
5	MP1A	Z	63.219	4.5
6	MP1A	Mx	.032	4.5
7	MP1B	X	-36.499	1.5
8	MP1B	Z	63.219	1.5
9	MP1B	Mx	-.032	1.5
10	MP1B	X	-36.499	4.5
11	MP1B	Z	63.219	4.5
12	MP1B	Mx	-.032	4.5
13	MP1C	X	-47.917	1.5
14	MP1C	Z	82.995	1.5
15	MP1C	Mx	0	1.5
16	MP1C	X	-47.917	4.5
17	MP1C	Z	82.995	4.5
18	MP1C	Mx	0	4.5
19	MP5A	X	-36.499	1.5
20	MP5A	Z	63.219	1.5
21	MP5A	Mx	.032	1.5
22	MP5A	X	-36.499	4.5
23	MP5A	Z	63.219	4.5
24	MP5A	Mx	.032	4.5
25	MP5B	X	-36.499	1.5
26	MP5B	Z	63.219	1.5
27	MP5B	Mx	-.032	1.5
28	MP5B	X	-36.499	4.5
29	MP5B	Z	63.219	4.5
30	MP5B	Mx	-.032	4.5
31	MP5C	X	-47.917	1.5
32	MP5C	Z	82.995	1.5
33	MP5C	Mx	0	1.5
34	MP5C	X	-47.917	4.5
35	MP5C	Z	82.995	4.5
36	MP5C	Mx	0	4.5
37	MP3A	X	-58.622	.25
38	MP3A	Z	101.537	.25
39	MP3A	Mx	.085	.25
40	MP3A	X	-58.622	5.25
41	MP3A	Z	101.537	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
42	MP3A	Mx	.085	5.25
43	MP3B	X	-57.168	.25
44	MP3B	Z	99.018	.25
45	MP3B	Mx	-.031	.25
46	MP3B	X	-57.168	5.25
47	MP3B	Z	99.018	5.25
48	MP3B	Mx	-.031	5.25
49	MP3C	X	-66.821	.25
50	MP3C	Z	115.737	.25
51	MP3C	Mx	-.078	.25
52	MP3C	X	-66.821	5.25
53	MP3C	Z	115.737	5.25
54	MP3C	Mx	-.078	5.25
55	MP3A	X	-58.622	.25
56	MP3A	Z	101.537	.25
57	MP3A	Mx	.017	.25
58	MP3A	X	-58.622	5.25
59	MP3A	Z	101.537	5.25
60	MP3A	Mx	.017	5.25
61	MP3B	X	-57.168	.25
62	MP3B	Z	99.018	.25
63	MP3B	Mx	-.077	.25
64	MP3B	X	-57.168	5.25
65	MP3B	Z	99.018	5.25
66	MP3B	Mx	-.077	5.25
67	MP3C	X	-66.821	.25
68	MP3C	Z	115.737	.25
69	MP3C	Mx	.078	.25
70	MP3C	X	-66.821	5.25
71	MP3C	Z	115.737	5.25
72	MP3C	Mx	.078	5.25
73	MP4A	X	-9.049	2.75
74	MP4A	Z	15.674	2.75
75	MP4A	Mx	.008	2.75
76	MP4B	X	-8.059	2.75
77	MP4B	Z	13.959	2.75
78	MP4B	Mx	-.008	2.75
79	MP4C	X	-14.63	2.75
80	MP4C	Z	25.34	2.75
81	MP4C	Mx	0	2.75
82	MP2A	X	-23.095	2.75
83	MP2A	Z	40.003	2.75
84	MP2A	Mx	-.02	2.75
85	MP2B	X	-21.74	2.75
86	MP2B	Z	37.654	2.75
87	MP2B	Mx	.02	2.75
88	MP2C	X	-30.739	2.75
89	MP2C	Z	53.242	2.75
90	MP2C	Mx	0	2.75
91	MP4A	X	-20.167	1
92	MP4A	Z	34.931	1
93	MP4A	Mx	-.017	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
94	MP4B	X	-18.292	1
95	MP4B	Z	31.683	1
96	MP4B	Mx	.017	1
97	MP4C	X	-30.739	1
98	MP4C	Z	53.242	1
99	MP4C	Mx	0	1
100	MP2B	X	-16.131	2
101	MP2B	Z	27.94	2
102	MP2B	Mx	-.015	2
103	MP2B	X	-16.131	3.5
104	MP2B	Z	27.94	3.5
105	MP2B	Mx	-.015	3.5
106	MP2C	X	-35.342	2
107	MP2C	Z	61.214	2
108	MP2C	Mx	0	2
109	MP2C	X	-35.342	3.5
110	MP2C	Z	61.214	3.5
111	MP2C	Mx	0	3.5
112	MP2A	X	-19.025	2
113	MP2A	Z	32.953	2
114	MP2A	Mx	.016	2
115	MP2A	X	-19.025	3.5
116	MP2A	Z	32.953	3.5
117	MP2A	Mx	.016	3.5
118	M44	X	-26.687	.5
119	M44	Z	46.224	.5
120	M44	Mx	0	.5
121	M46	X	-26.687	.5
122	M46	Z	46.224	.5
123	M46	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-56.627	1.5
2	MP1A	Z	32.693	1.5
3	MP1A	Mx	.033	1.5
4	MP1A	X	-56.627	4.5
5	MP1A	Z	32.693	4.5
6	MP1A	Mx	.033	4.5
7	MP1B	X	-76.403	1.5
8	MP1B	Z	44.111	1.5
9	MP1B	Mx	-.022	1.5
10	MP1B	X	-76.403	4.5
11	MP1B	Z	44.111	4.5
12	MP1B	Mx	-.022	4.5
13	MP1C	X	-76.403	1.5
14	MP1C	Z	44.111	1.5
15	MP1C	Mx	-.022	1.5
16	MP1C	X	-76.403	4.5
17	MP1C	Z	44.111	4.5
18	MP1C	Mx	-.022	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP5A	X	-56.627	1.5
20	MP5A	Z	32.693	1.5
21	MP5A	Mx	.033	1.5
22	MP5A	X	-56.627	4.5
23	MP5A	Z	32.693	4.5
24	MP5A	Mx	.033	4.5
25	MP5B	X	-76.403	1.5
26	MP5B	Z	44.111	1.5
27	MP5B	Mx	-.022	1.5
28	MP5B	X	-76.403	4.5
29	MP5B	Z	44.111	4.5
30	MP5B	Mx	-.022	4.5
31	MP5C	X	-76.403	1.5
32	MP5C	Z	44.111	1.5
33	MP5C	Mx	-.022	1.5
34	MP5C	X	-76.403	4.5
35	MP5C	Z	44.111	4.5
36	MP5C	Mx	-.022	4.5
37	MP3A	X	-96.803	.25
38	MP3A	Z	55.889	.25
39	MP3A	Mx	.056	.25
40	MP3A	X	-96.803	5.25
41	MP3A	Z	55.889	5.25
42	MP3A	Mx	.056	5.25
43	MP3B	X	-107.914	.25
44	MP3B	Z	62.304	.25
45	MP3B	Mx	.016	.25
46	MP3B	X	-107.914	5.25
47	MP3B	Z	62.304	5.25
48	MP3B	Mx	.016	5.25
49	MP3C	X	-111.004	.25
50	MP3C	Z	64.088	.25
51	MP3C	Mx	-.097	.25
52	MP3C	X	-111.004	5.25
53	MP3C	Z	64.088	5.25
54	MP3C	Mx	-.097	5.25
55	MP3A	X	-96.803	.25
56	MP3A	Z	55.889	.25
57	MP3A	Mx	.056	.25
58	MP3A	X	-96.803	5.25
59	MP3A	Z	55.889	5.25
60	MP3A	Mx	.056	5.25
61	MP3B	X	-107.914	.25
62	MP3B	Z	62.304	.25
63	MP3B	Mx	-.096	.25
64	MP3B	X	-107.914	5.25
65	MP3B	Z	62.304	5.25
66	MP3B	Mx	-.096	5.25
67	MP3C	X	-111.004	.25
68	MP3C	Z	64.088	.25
69	MP3C	Mx	.033	.25
70	MP3C	X	-111.004	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP3C	Z	64.088	5.25
72	MP3C	Mx	.033	5.25
73	MP4A	X	-12.452	2.75
74	MP4A	Z	7.189	2.75
75	MP4A	Mx	.007	2.75
76	MP4B	X	-20.015	2.75
77	MP4B	Z	11.555	2.75
78	MP4B	Mx	-.007	2.75
79	MP4C	X	-22.118	2.75
80	MP4C	Z	12.77	2.75
81	MP4C	Mx	-.006	2.75
82	MP2A	X	-35.589	2.75
83	MP2A	Z	20.548	2.75
84	MP2A	Mx	-.021	2.75
85	MP2B	X	-45.948	2.75
86	MP2B	Z	26.528	2.75
87	MP2B	Mx	.017	2.75
88	MP2C	X	-48.829	2.75
89	MP2C	Z	28.191	2.75
90	MP2C	Mx	.014	2.75
91	MP4A	X	-28.827	1
92	MP4A	Z	16.644	1
93	MP4A	Mx	-.017	1
94	MP4B	X	-43.154	1
95	MP4B	Z	24.915	1
96	MP4B	Mx	.016	1
97	MP4C	X	-47.138	1
98	MP4C	Z	27.215	1
99	MP4C	Mx	.014	1
100	MP2B	X	-45.645	2
101	MP2B	Z	26.353	2
102	MP2B	Mx	-.017	2
103	MP2B	X	-45.645	3.5
104	MP2B	Z	26.353	3.5
105	MP2B	Mx	-.017	3.5
106	MP2C	X	-51.794	2
107	MP2C	Z	29.903	2
108	MP2C	Mx	-.015	2
109	MP2C	X	-51.794	3.5
110	MP2C	Z	29.903	3.5
111	MP2C	Mx	-.015	3.5
112	MP2A	X	-23.532	2
113	MP2A	Z	13.586	2
114	MP2A	Mx	.014	2
115	MP2A	X	-23.532	3.5
116	MP2A	Z	13.586	3.5
117	MP2A	Mx	.014	3.5
118	M44	X	-52.462	.5
119	M44	Z	30.289	.5
120	M44	Mx	0	.5
121	M46	X	-52.462	.5
122	M46	Z	30.289	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
123	M46	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-72.999	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	.032	1.5
4	MP1A	X	-72.999	4.5
5	MP1A	Z	0	4.5
6	MP1A	Mx	.032	4.5
7	MP1B	X	-95.834	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	0	1.5
10	MP1B	X	-95.834	4.5
11	MP1B	Z	0	4.5
12	MP1B	Mx	0	4.5
13	MP1C	X	-72.999	1.5
14	MP1C	Z	0	1.5
15	MP1C	Mx	-.032	1.5
16	MP1C	X	-72.999	4.5
17	MP1C	Z	0	4.5
18	MP1C	Mx	-.032	4.5
19	MP5A	X	-72.999	1.5
20	MP5A	Z	0	1.5
21	MP5A	Mx	.032	1.5
22	MP5A	X	-72.999	4.5
23	MP5A	Z	0	4.5
24	MP5A	Mx	.032	4.5
25	MP5B	X	-95.834	1.5
26	MP5B	Z	0	1.5
27	MP5B	Mx	0	1.5
28	MP5B	X	-95.834	4.5
29	MP5B	Z	0	4.5
30	MP5B	Mx	0	4.5
31	MP5C	X	-72.999	1.5
32	MP5C	Z	0	1.5
33	MP5C	Mx	-.032	1.5
34	MP5C	X	-72.999	4.5
35	MP5C	Z	0	4.5
36	MP5C	Mx	-.032	4.5
37	MP3A	X	-117.245	.25
38	MP3A	Z	0	.25
39	MP3A	Mx	.017	.25
40	MP3A	X	-117.245	5.25
41	MP3A	Z	0	5.25
42	MP3A	Mx	.017	5.25
43	MP3B	X	-132.982	.25
44	MP3B	Z	0	.25
45	MP3B	Mx	.065	.25
46	MP3B	X	-132.982	5.25
47	MP3B	Z	0	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP3B	Mx	.065	5.25
49	MP3C	X	-117.245	.25
50	MP3C	Z	0	.25
51	MP3C	Mx	-.085	.25
52	MP3C	X	-117.245	5.25
53	MP3C	Z	0	5.25
54	MP3C	Mx	-.085	5.25
55	MP3A	X	-117.245	.25
56	MP3A	Z	0	.25
57	MP3A	Mx	.085	.25
58	MP3A	X	-117.245	5.25
59	MP3A	Z	0	5.25
60	MP3A	Mx	.085	5.25
61	MP3B	X	-132.982	.25
62	MP3B	Z	0	.25
63	MP3B	Mx	-.088	.25
64	MP3B	X	-132.982	5.25
65	MP3B	Z	0	5.25
66	MP3B	Mx	-.088	5.25
67	MP3C	X	-117.245	.25
68	MP3C	Z	0	.25
69	MP3C	Mx	-.017	.25
70	MP3C	X	-117.245	5.25
71	MP3C	Z	0	5.25
72	MP3C	Mx	-.017	5.25
73	MP4A	X	-18.098	2.75
74	MP4A	Z	0	2.75
75	MP4A	Mx	.008	2.75
76	MP4B	X	-28.811	2.75
77	MP4B	Z	0	2.75
78	MP4B	Mx	-.003	2.75
79	MP4C	X	-18.098	2.75
80	MP4C	Z	0	2.75
81	MP4C	Mx	-.008	2.75
82	MP2A	X	-46.191	2.75
83	MP2A	Z	0	2.75
84	MP2A	Mx	-.02	2.75
85	MP2B	X	-60.864	2.75
86	MP2B	Z	0	2.75
87	MP2B	Mx	.005	2.75
88	MP2C	X	-46.191	2.75
89	MP2C	Z	0	2.75
90	MP2C	Mx	.02	2.75
91	MP4A	X	-40.335	1
92	MP4A	Z	0	1
93	MP4A	Mx	-.017	1
94	MP4B	X	-60.628	1
95	MP4B	Z	0	1
96	MP4B	Mx	.005	1
97	MP4C	X	-40.335	1
98	MP4C	Z	0	1
99	MP4C	Mx	.017	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
100	MP2B	X	-69.372	2
101	MP2B	Z	0	2
102	MP2B	Mx	-.006	2
103	MP2B	X	-69.372	3.5
104	MP2B	Z	0	3.5
105	MP2B	Mx	-.006	3.5
106	MP2C	X	-38.051	2
107	MP2C	Z	0	2
108	MP2C	Mx	-.016	2
109	MP2C	X	-38.051	3.5
110	MP2C	Z	0	3.5
111	MP2C	Mx	-.016	3.5
112	MP2A	X	-38.051	2
113	MP2A	Z	0	2
114	MP2A	Mx	.016	2
115	MP2A	X	-38.051	3.5
116	MP2A	Z	0	3.5
117	MP2A	Mx	.016	3.5
118	M44	X	-74.986	.5
119	M44	Z	0	.5
120	M44	Mx	0	.5
121	M46	X	-74.986	.5
122	M46	Z	0	.5
123	M46	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-76.403	1.5
2	MP1A	Z	-44.111	1.5
3	MP1A	Mx	.022	1.5
4	MP1A	X	-76.403	4.5
5	MP1A	Z	-44.111	4.5
6	MP1A	Mx	.022	4.5
7	MP1B	X	-76.403	1.5
8	MP1B	Z	-44.111	1.5
9	MP1B	Mx	.022	1.5
10	MP1B	X	-76.403	4.5
11	MP1B	Z	-44.111	4.5
12	MP1B	Mx	.022	4.5
13	MP1C	X	-56.627	1.5
14	MP1C	Z	-32.693	1.5
15	MP1C	Mx	-.033	1.5
16	MP1C	X	-56.627	4.5
17	MP1C	Z	-32.693	4.5
18	MP1C	Mx	-.033	4.5
19	MP5A	X	-76.403	1.5
20	MP5A	Z	-44.111	1.5
21	MP5A	Mx	.022	1.5
22	MP5A	X	-76.403	4.5
23	MP5A	Z	-44.111	4.5
24	MP5A	Mx	.022	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP5B	X	-76.403	1.5
26	MP5B	Z	-44.111	1.5
27	MP5B	Mx	.022	1.5
28	MP5B	X	-76.403	4.5
29	MP5B	Z	-44.111	4.5
30	MP5B	Mx	.022	4.5
31	MP5C	X	-56.627	1.5
32	MP5C	Z	-32.693	1.5
33	MP5C	Mx	-.033	1.5
34	MP5C	X	-56.627	4.5
35	MP5C	Z	-32.693	4.5
36	MP5C	Mx	-.033	4.5
37	MP3A	X	-111.004	.25
38	MP3A	Z	-64.088	.25
39	MP3A	Mx	-.033	.25
40	MP3A	X	-111.004	5.25
41	MP3A	Z	-64.088	5.25
42	MP3A	Mx	-.033	5.25
43	MP3B	X	-113.522	.25
44	MP3B	Z	-65.542	.25
45	MP3B	Mx	.094	.25
46	MP3B	X	-113.522	5.25
47	MP3B	Z	-65.542	5.25
48	MP3B	Mx	.094	5.25
49	MP3C	X	-96.803	.25
50	MP3C	Z	-55.889	.25
51	MP3C	Mx	-.056	.25
52	MP3C	X	-96.803	5.25
53	MP3C	Z	-55.889	5.25
54	MP3C	Mx	-.056	5.25
55	MP3A	X	-111.004	.25
56	MP3A	Z	-64.088	.25
57	MP3A	Mx	.097	.25
58	MP3A	X	-111.004	5.25
59	MP3A	Z	-64.088	5.25
60	MP3A	Mx	.097	5.25
61	MP3B	X	-113.522	.25
62	MP3B	Z	-65.542	.25
63	MP3B	Mx	-.049	.25
64	MP3B	X	-113.522	5.25
65	MP3B	Z	-65.542	5.25
66	MP3B	Mx	-.049	5.25
67	MP3C	X	-96.803	.25
68	MP3C	Z	-55.889	.25
69	MP3C	Mx	-.056	.25
70	MP3C	X	-96.803	5.25
71	MP3C	Z	-55.889	5.25
72	MP3C	Mx	-.056	5.25
73	MP4A	X	-22.118	2.75
74	MP4A	Z	-12.77	2.75
75	MP4A	Mx	.006	2.75
76	MP4B	X	-23.832	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP4B	Z	-13.759	2.75
78	MP4B	Mx	.005	2.75
79	MP4C	X	-12.452	2.75
80	MP4C	Z	-7.189	2.75
81	MP4C	Mx	-.007	2.75
82	MP2A	X	-48.829	2.75
83	MP2A	Z	-28.191	2.75
84	MP2A	Mx	-.014	2.75
85	MP2B	X	-51.177	2.75
86	MP2B	Z	-29.547	2.75
87	MP2B	Mx	-.01	2.75
88	MP2C	X	-35.589	2.75
89	MP2C	Z	-20.548	2.75
90	MP2C	Mx	.021	2.75
91	MP4A	X	-47.138	1
92	MP4A	Z	-27.215	1
93	MP4A	Mx	-.014	1
94	MP4B	X	-50.386	1
95	MP4B	Z	-29.09	1
96	MP4B	Mx	-.01	1
97	MP4C	X	-28.827	1
98	MP4C	Z	-16.644	1
99	MP4C	Mx	.017	1
100	MP2B	X	-56.806	2
101	MP2B	Z	-32.797	2
102	MP2B	Mx	.011	2
103	MP2B	X	-56.806	3.5
104	MP2B	Z	-32.797	3.5
105	MP2B	Mx	.011	3.5
106	MP2C	X	-23.532	2
107	MP2C	Z	-13.586	2
108	MP2C	Mx	-.014	2
109	MP2C	X	-23.532	3.5
110	MP2C	Z	-13.586	3.5
111	MP2C	Mx	-.014	3.5
112	MP2A	X	-51.794	2
113	MP2A	Z	-29.903	2
114	MP2A	Mx	.015	2
115	MP2A	X	-51.794	3.5
116	MP2A	Z	-29.903	3.5
117	MP2A	Mx	.015	3.5
118	M44	X	-71.179	.5
119	M44	Z	-41.095	.5
120	M44	Mx	0	.5
121	M46	X	-71.179	.5
122	M46	Z	-41.095	.5
123	M46	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-47.917	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP1A	Z	-82.995	1.5
3	MP1A	Mx	0	1.5
4	MP1A	X	-47.917	4.5
5	MP1A	Z	-82.995	4.5
6	MP1A	Mx	0	4.5
7	MP1B	X	-36.499	1.5
8	MP1B	Z	-63.219	1.5
9	MP1B	Mx	.032	1.5
10	MP1B	X	-36.499	4.5
11	MP1B	Z	-63.219	4.5
12	MP1B	Mx	.032	4.5
13	MP1C	X	-36.499	1.5
14	MP1C	Z	-63.219	1.5
15	MP1C	Mx	-.032	1.5
16	MP1C	X	-36.499	4.5
17	MP1C	Z	-63.219	4.5
18	MP1C	Mx	-.032	4.5
19	MP5A	X	-47.917	1.5
20	MP5A	Z	-82.995	1.5
21	MP5A	Mx	0	1.5
22	MP5A	X	-47.917	4.5
23	MP5A	Z	-82.995	4.5
24	MP5A	Mx	0	4.5
25	MP5B	X	-36.499	1.5
26	MP5B	Z	-63.219	1.5
27	MP5B	Mx	.032	1.5
28	MP5B	X	-36.499	4.5
29	MP5B	Z	-63.219	4.5
30	MP5B	Mx	.032	4.5
31	MP5C	X	-36.499	1.5
32	MP5C	Z	-63.219	1.5
33	MP5C	Mx	-.032	1.5
34	MP5C	X	-36.499	4.5
35	MP5C	Z	-63.219	4.5
36	MP5C	Mx	-.032	4.5
37	MP3A	X	-66.821	.25
38	MP3A	Z	-115.737	.25
39	MP3A	Mx	-.078	.25
40	MP3A	X	-66.821	5.25
41	MP3A	Z	-115.737	5.25
42	MP3A	Mx	-.078	5.25
43	MP3B	X	-60.406	.25
44	MP3B	Z	-104.626	.25
45	MP3B	Mx	.092	.25
46	MP3B	X	-60.406	5.25
47	MP3B	Z	-104.626	5.25
48	MP3B	Mx	.092	5.25
49	MP3C	X	-58.622	.25
50	MP3C	Z	-101.537	.25
51	MP3C	Mx	-.017	.25
52	MP3C	X	-58.622	5.25
53	MP3C	Z	-101.537	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
54	MP3C	Mx	-.017	5.25
55	MP3A	X	-66.821	.25
56	MP3A	Z	-115.737	.25
57	MP3A	Mx	.078	.25
58	MP3A	X	-66.821	5.25
59	MP3A	Z	-115.737	5.25
60	MP3A	Mx	.078	5.25
61	MP3B	X	-60.406	.25
62	MP3B	Z	-104.626	.25
63	MP3B	Mx	.000974	.25
64	MP3B	X	-60.406	5.25
65	MP3B	Z	-104.626	5.25
66	MP3B	Mx	.000974	5.25
67	MP3C	X	-58.622	.25
68	MP3C	Z	-101.537	.25
69	MP3C	Mx	-.085	.25
70	MP3C	X	-58.622	5.25
71	MP3C	Z	-101.537	5.25
72	MP3C	Mx	-.085	5.25
73	MP4A	X	-14.63	2.75
74	MP4A	Z	-25.34	2.75
75	MP4A	Mx	0	2.75
76	MP4B	X	-10.263	2.75
77	MP4B	Z	-17.777	2.75
78	MP4B	Mx	.008	2.75
79	MP4C	X	-9.049	2.75
80	MP4C	Z	-15.674	2.75
81	MP4C	Mx	-.008	2.75
82	MP2A	X	-30.739	2.75
83	MP2A	Z	-53.242	2.75
84	MP2A	Mx	0	2.75
85	MP2B	X	-24.759	2.75
86	MP2B	Z	-42.883	2.75
87	MP2B	Mx	-.019	2.75
88	MP2C	X	-23.095	2.75
89	MP2C	Z	-40.003	2.75
90	MP2C	Mx	.02	2.75
91	MP4A	X	-30.739	1
92	MP4A	Z	-53.242	1
93	MP4A	Mx	0	1
94	MP4B	X	-22.468	1
95	MP4B	Z	-38.915	1
96	MP4B	Mx	-.017	1
97	MP4C	X	-20.167	1
98	MP4C	Z	-34.931	1
99	MP4C	Mx	.017	1
100	MP2B	X	-22.575	2
101	MP2B	Z	-39.102	2
102	MP2B	Mx	.017	2
103	MP2B	X	-22.575	3.5
104	MP2B	Z	-39.102	3.5
105	MP2B	Mx	.017	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
106	MP2C	X	-19.025	2
107	MP2C	Z	-32.953	2
108	MP2C	Mx	-.016	2
109	MP2C	X	-19.025	3.5
110	MP2C	Z	-32.953	3.5
111	MP2C	Mx	-.016	3.5
112	MP2A	X	-35.342	2
113	MP2A	Z	-61.214	2
114	MP2A	Mx	0	2
115	MP2A	X	-35.342	3.5
116	MP2A	Z	-61.214	3.5
117	MP2A	Mx	0	3.5
118	M44	X	-37.493	.5
119	M44	Z	-64.94	.5
120	M44	Mx	0	.5
121	M46	X	-37.493	.5
122	M46	Z	-64.94	.5
123	M46	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	-22.484	1.5
3	MP1A	Mx	-.006	1.5
4	MP1A	X	0	4.5
5	MP1A	Z	-22.484	4.5
6	MP1A	Mx	-.006	4.5
7	MP1B	X	0	1.5
8	MP1B	Z	-13.011	1.5
9	MP1B	Mx	.007	1.5
10	MP1B	X	0	4.5
11	MP1B	Z	-13.011	4.5
12	MP1B	Mx	.007	4.5
13	MP1C	X	0	1.5
14	MP1C	Z	-22.484	1.5
15	MP1C	Mx	-.006	1.5
16	MP1C	X	0	4.5
17	MP1C	Z	-22.484	4.5
18	MP1C	Mx	-.006	4.5
19	MP5A	X	0	1.5
20	MP5A	Z	-22.484	1.5
21	MP5A	Mx	-.006	1.5
22	MP5A	X	0	4.5
23	MP5A	Z	-22.484	4.5
24	MP5A	Mx	-.006	4.5
25	MP5B	X	0	1.5
26	MP5B	Z	-13.011	1.5
27	MP5B	Mx	.007	1.5
28	MP5B	X	0	4.5
29	MP5B	Z	-13.011	4.5
30	MP5B	Mx	.007	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP5C	X	0	1.5
32	MP5C	Z	-22.484	1.5
33	MP5C	Mx	-.006	1.5
34	MP5C	X	0	4.5
35	MP5C	Z	-22.484	4.5
36	MP5C	Mx	-.006	4.5
37	MP3A	X	0	.25
38	MP3A	Z	-24.599	.25
39	MP3A	Mx	-.019	.25
40	MP3A	X	0	5.25
41	MP3A	Z	-24.599	5.25
42	MP3A	Mx	-.019	5.25
43	MP3B	X	0	.25
44	MP3B	Z	-21.81	.25
45	MP3B	Mx	.013	.25
46	MP3B	X	0	5.25
47	MP3B	Z	-21.81	5.25
48	MP3B	Mx	.013	5.25
49	MP3C	X	0	.25
50	MP3C	Z	-24.599	.25
51	MP3C	Mx	.006	.25
52	MP3C	X	0	5.25
53	MP3C	Z	-24.599	5.25
54	MP3C	Mx	.006	5.25
55	MP3A	X	0	.25
56	MP3A	Z	-24.599	.25
57	MP3A	Mx	.006	.25
58	MP3A	X	0	5.25
59	MP3A	Z	-24.599	5.25
60	MP3A	Mx	.006	5.25
61	MP3B	X	0	.25
62	MP3B	Z	-21.81	.25
63	MP3B	Mx	.009	.25
64	MP3B	X	0	5.25
65	MP3B	Z	-21.81	5.25
66	MP3B	Mx	.009	5.25
67	MP3C	X	0	.25
68	MP3C	Z	-24.599	.25
69	MP3C	Mx	-.019	.25
70	MP3C	X	0	5.25
71	MP3C	Z	-24.599	5.25
72	MP3C	Mx	-.019	5.25
73	MP4A	X	0	2.75
74	MP4A	Z	-5.834	2.75
75	MP4A	Mx	-.001	2.75
76	MP4B	X	0	2.75
77	MP4B	Z	-3.734	2.75
78	MP4B	Mx	.002	2.75
79	MP4C	X	0	2.75
80	MP4C	Z	-5.834	2.75
81	MP4C	Mx	-.001	2.75
82	MP2A	X	0	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP2A	Z	-11.774	2.75
84	MP2A	Mx	.003	2.75
85	MP2B	X	0	2.75
86	MP2B	Z	-8.978	2.75
87	MP2B	Mx	-.004	2.75
88	MP2C	X	0	2.75
89	MP2C	Z	-11.774	2.75
90	MP2C	Mx	.003	2.75
91	MP4A	X	0	1
92	MP4A	Z	-11.405	1
93	MP4A	Mx	.003	1
94	MP4B	X	0	1
95	MP4B	Z	-7.547	1
96	MP4B	Mx	-.004	1
97	MP4C	X	0	1
98	MP4C	Z	-11.405	1
99	MP4C	Mx	.003	1
100	MP2B	X	0	2
101	MP2B	Z	-6.079	2
102	MP2B	Mx	.003	2
103	MP2B	X	0	3.5
104	MP2B	Z	-6.079	3.5
105	MP2B	Mx	.003	3.5
106	MP2C	X	0	2
107	MP2C	Z	-11.875	2
108	MP2C	Mx	-.003	2
109	MP2C	X	0	3.5
110	MP2C	Z	-11.875	3.5
111	MP2C	Mx	-.003	3.5
112	MP2A	X	0	2
113	MP2A	Z	-11.875	2
114	MP2A	Mx	-.003	2
115	MP2A	X	0	3.5
116	MP2A	Z	-11.875	3.5
117	MP2A	Mx	-.003	3.5
118	M44	X	0	.5
119	M44	Z	-12.601	.5
120	M44	Mx	0	.5
121	M46	X	0	.5
122	M46	Z	-12.601	.5
123	M46	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	8.084	1.5
2	MP1A	Z	-14.003	1.5
3	MP1A	Mx	-.007	1.5
4	MP1A	X	8.084	4.5
5	MP1A	Z	-14.003	4.5
6	MP1A	Mx	-.007	4.5
7	MP1B	X	8.084	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP1B	Z	-14.003	1.5
9	MP1B	Mx	.007	1.5
10	MP1B	X	8.084	4.5
11	MP1B	Z	-14.003	4.5
12	MP1B	Mx	.007	4.5
13	MP1C	X	12.821	1.5
14	MP1C	Z	-22.206	1.5
15	MP1C	Mx	0	1.5
16	MP1C	X	12.821	4.5
17	MP1C	Z	-22.206	4.5
18	MP1C	Mx	0	4.5
19	MP5A	X	8.084	1.5
20	MP5A	Z	-14.003	1.5
21	MP5A	Mx	-.007	1.5
22	MP5A	X	8.084	4.5
23	MP5A	Z	-14.003	4.5
24	MP5A	Mx	-.007	4.5
25	MP5B	X	8.084	1.5
26	MP5B	Z	-14.003	1.5
27	MP5B	Mx	.007	1.5
28	MP5B	X	8.084	4.5
29	MP5B	Z	-14.003	4.5
30	MP5B	Mx	.007	4.5
31	MP5C	X	12.821	1.5
32	MP5C	Z	-22.206	1.5
33	MP5C	Mx	0	1.5
34	MP5C	X	12.821	4.5
35	MP5C	Z	-22.206	4.5
36	MP5C	Mx	0	4.5
37	MP3A	X	11.331	.25
38	MP3A	Z	-19.626	.25
39	MP3A	Mx	-.016	.25
40	MP3A	X	11.331	5.25
41	MP3A	Z	-19.626	5.25
42	MP3A	Mx	-.016	5.25
43	MP3B	X	11.073	.25
44	MP3B	Z	-19.179	.25
45	MP3B	Mx	.006	.25
46	MP3B	X	11.073	5.25
47	MP3B	Z	-19.179	5.25
48	MP3B	Mx	.006	5.25
49	MP3C	X	12.784	.25
50	MP3C	Z	-22.143	.25
51	MP3C	Mx	.015	.25
52	MP3C	X	12.784	5.25
53	MP3C	Z	-22.143	5.25
54	MP3C	Mx	.015	5.25
55	MP3A	X	11.331	.25
56	MP3A	Z	-19.626	.25
57	MP3A	Mx	-.003	.25
58	MP3A	X	11.331	5.25
59	MP3A	Z	-19.626	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP3A	Mx	-.003	5.25
61	MP3B	X	11.073	.25
62	MP3B	Z	-19.179	.25
63	MP3B	Mx	.015	.25
64	MP3B	X	11.073	5.25
65	MP3B	Z	-19.179	5.25
66	MP3B	Mx	.015	5.25
67	MP3C	X	12.784	.25
68	MP3C	Z	-22.143	.25
69	MP3C	Mx	-.015	.25
70	MP3C	X	12.784	5.25
71	MP3C	Z	-22.143	5.25
72	MP3C	Mx	-.015	5.25
73	MP4A	X	2.188	2.75
74	MP4A	Z	-3.789	2.75
75	MP4A	Mx	-.002	2.75
76	MP4B	X	1.994	2.75
77	MP4B	Z	-3.453	2.75
78	MP4B	Mx	.002	2.75
79	MP4C	X	3.282	2.75
80	MP4C	Z	-5.684	2.75
81	MP4C	Mx	0	2.75
82	MP2A	X	4.916	2.75
83	MP2A	Z	-8.515	2.75
84	MP2A	Mx	.004	2.75
85	MP2B	X	4.658	2.75
86	MP2B	Z	-8.068	2.75
87	MP2B	Mx	-.004	2.75
88	MP2C	X	6.373	2.75
89	MP2C	Z	-11.038	2.75
90	MP2C	Mx	0	2.75
91	MP4A	X	4.363	1
92	MP4A	Z	-7.556	1
93	MP4A	Mx	.004	1
94	MP4B	X	4.006	1
95	MP4B	Z	-6.939	1
96	MP4B	Mx	-.004	1
97	MP4C	X	6.373	1
98	MP4C	Z	-11.038	1
99	MP4C	Mx	0	1
100	MP2B	X	3.389	2
101	MP2B	Z	-5.87	2
102	MP2B	Mx	.003	2
103	MP2B	X	3.389	3.5
104	MP2B	Z	-5.87	3.5
105	MP2B	Mx	.003	3.5
106	MP2C	X	6.944	2
107	MP2C	Z	-12.028	2
108	MP2C	Mx	0	2
109	MP2C	X	6.944	3.5
110	MP2C	Z	-12.028	3.5
111	MP2C	Mx	0	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
112	MP2A	X	3.925	2
113	MP2A	Z	-6.798	2
114	MP2A	Mx	-.003	2
115	MP2A	X	3.925	3.5
116	MP2A	Z	-6.798	3.5
117	MP2A	Mx	-.003	3.5
118	M44	X	5.633	.5
119	M44	Z	-9.756	.5
120	M44	Mx	0	.5
121	M46	X	5.633	.5
122	M46	Z	-9.756	.5
123	M46	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	11.268	1.5
2	MP1A	Z	-6.506	1.5
3	MP1A	Mx	-.007	1.5
4	MP1A	X	11.268	4.5
5	MP1A	Z	-6.506	4.5
6	MP1A	Mx	-.007	4.5
7	MP1B	X	19.472	1.5
8	MP1B	Z	-11.242	1.5
9	MP1B	Mx	.006	1.5
10	MP1B	X	19.472	4.5
11	MP1B	Z	-11.242	4.5
12	MP1B	Mx	.006	4.5
13	MP1C	X	19.472	1.5
14	MP1C	Z	-11.242	1.5
15	MP1C	Mx	.006	1.5
16	MP1C	X	19.472	4.5
17	MP1C	Z	-11.242	4.5
18	MP1C	Mx	.006	4.5
19	MP5A	X	11.268	1.5
20	MP5A	Z	-6.506	1.5
21	MP5A	Mx	-.007	1.5
22	MP5A	X	11.268	4.5
23	MP5A	Z	-6.506	4.5
24	MP5A	Mx	-.007	4.5
25	MP5B	X	19.472	1.5
26	MP5B	Z	-11.242	1.5
27	MP5B	Mx	.006	1.5
28	MP5B	X	19.472	4.5
29	MP5B	Z	-11.242	4.5
30	MP5B	Mx	.006	4.5
31	MP5C	X	19.472	1.5
32	MP5C	Z	-11.242	1.5
33	MP5C	Mx	.006	1.5
34	MP5C	X	19.472	4.5
35	MP5C	Z	-11.242	4.5
36	MP5C	Mx	.006	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP3A	X	18.787	.25
38	MP3A	Z	-10.847	.25
39	MP3A	Mx	-.011	.25
40	MP3A	X	18.787	5.25
41	MP3A	Z	-10.847	5.25
42	MP3A	Mx	-.011	5.25
43	MP3B	X	20.756	.25
44	MP3B	Z	-11.984	.25
45	MP3B	Mx	-.003	.25
46	MP3B	X	20.756	5.25
47	MP3B	Z	-11.984	5.25
48	MP3B	Mx	-.003	5.25
49	MP3C	X	21.304	.25
50	MP3C	Z	-12.3	.25
51	MP3C	Mx	.019	.25
52	MP3C	X	21.304	5.25
53	MP3C	Z	-12.3	5.25
54	MP3C	Mx	.019	5.25
55	MP3A	X	18.787	.25
56	MP3A	Z	-10.847	.25
57	MP3A	Mx	-.011	.25
58	MP3A	X	18.787	5.25
59	MP3A	Z	-10.847	5.25
60	MP3A	Mx	-.011	5.25
61	MP3B	X	20.756	.25
62	MP3B	Z	-11.984	.25
63	MP3B	Mx	.018	.25
64	MP3B	X	20.756	5.25
65	MP3B	Z	-11.984	5.25
66	MP3B	Mx	.018	5.25
67	MP3C	X	21.304	.25
68	MP3C	Z	-12.3	.25
69	MP3C	Mx	-.006	.25
70	MP3C	X	21.304	5.25
71	MP3C	Z	-12.3	5.25
72	MP3C	Mx	-.006	5.25
73	MP4A	X	3.157	2.75
74	MP4A	Z	-1.823	2.75
75	MP4A	Mx	-.002	2.75
76	MP4B	X	4.64	2.75
77	MP4B	Z	-2.679	2.75
78	MP4B	Mx	.002	2.75
79	MP4C	X	5.052	2.75
80	MP4C	Z	-2.917	2.75
81	MP4C	Mx	.001	2.75
82	MP2A	X	7.674	2.75
83	MP2A	Z	-4.431	2.75
84	MP2A	Mx	.004	2.75
85	MP2B	X	9.648	2.75
86	MP2B	Z	-5.57	2.75
87	MP2B	Mx	-.004	2.75
88	MP2C	X	10.197	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP2C	Z	-5.887	2.75
90	MP2C	Mx	-.003	2.75
91	MP4A	X	6.396	1
92	MP4A	Z	-3.693	1
93	MP4A	Mx	.004	1
94	MP4B	X	9.12	1
95	MP4B	Z	-5.265	1
96	MP4B	Mx	-.003	1
97	MP4C	X	9.877	1
98	MP4C	Z	-5.703	1
99	MP4C	Mx	-.003	1
100	MP2B	X	9.146	2
101	MP2B	Z	-5.281	2
102	MP2B	Mx	.003	2
103	MP2B	X	9.146	3.5
104	MP2B	Z	-5.281	3.5
105	MP2B	Mx	.003	3.5
106	MP2C	X	10.284	2
107	MP2C	Z	-5.938	2
108	MP2C	Mx	.003	2
109	MP2C	X	10.284	3.5
110	MP2C	Z	-5.938	3.5
111	MP2C	Mx	.003	3.5
112	MP2A	X	5.054	2
113	MP2A	Z	-2.918	2
114	MP2A	Mx	-.003	2
115	MP2A	X	5.054	3.5
116	MP2A	Z	-2.918	3.5
117	MP2A	Mx	-.003	3.5
118	M44	X	10.913	.5
119	M44	Z	-6.301	.5
120	M44	Mx	0	.5
121	M46	X	10.913	.5
122	M46	Z	-6.301	.5
123	M46	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	16.169	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	-.007	1.5
4	MP1A	X	16.169	4.5
5	MP1A	Z	0	4.5
6	MP1A	Mx	-.007	4.5
7	MP1B	X	25.641	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	0	1.5
10	MP1B	X	25.641	4.5
11	MP1B	Z	0	4.5
12	MP1B	Mx	0	4.5
13	MP1C	X	16.169	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
14	MP1C	Z	0	1.5
15	MP1C	Mx	.007	1.5
16	MP1C	X	16.169	4.5
17	MP1C	Z	0	4.5
18	MP1C	Mx	.007	4.5
19	MP5A	X	16.169	1.5
20	MP5A	Z	0	1.5
21	MP5A	Mx	-.007	1.5
22	MP5A	X	16.169	4.5
23	MP5A	Z	0	4.5
24	MP5A	Mx	-.007	4.5
25	MP5B	X	25.641	1.5
26	MP5B	Z	0	1.5
27	MP5B	Mx	0	1.5
28	MP5B	X	25.641	4.5
29	MP5B	Z	0	4.5
30	MP5B	Mx	0	4.5
31	MP5C	X	16.169	1.5
32	MP5C	Z	0	1.5
33	MP5C	Mx	.007	1.5
34	MP5C	X	16.169	4.5
35	MP5C	Z	0	4.5
36	MP5C	Mx	.007	4.5
37	MP3A	X	22.662	.25
38	MP3A	Z	0	.25
39	MP3A	Mx	-.003	.25
40	MP3A	X	22.662	5.25
41	MP3A	Z	0	5.25
42	MP3A	Mx	-.003	5.25
43	MP3B	X	25.451	.25
44	MP3B	Z	0	.25
45	MP3B	Mx	-.012	.25
46	MP3B	X	25.451	5.25
47	MP3B	Z	0	5.25
48	MP3B	Mx	-.012	5.25
49	MP3C	X	22.662	.25
50	MP3C	Z	0	.25
51	MP3C	Mx	.016	.25
52	MP3C	X	22.662	5.25
53	MP3C	Z	0	5.25
54	MP3C	Mx	.016	5.25
55	MP3A	X	22.662	.25
56	MP3A	Z	0	.25
57	MP3A	Mx	-.016	.25
58	MP3A	X	22.662	5.25
59	MP3A	Z	0	5.25
60	MP3A	Mx	-.016	5.25
61	MP3B	X	25.451	.25
62	MP3B	Z	0	.25
63	MP3B	Mx	.017	.25
64	MP3B	X	25.451	5.25
65	MP3B	Z	0	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP3B	Mx	.017	5.25
67	MP3C	X	22.662	.25
68	MP3C	Z	0	.25
69	MP3C	Mx	.003	.25
70	MP3C	X	22.662	5.25
71	MP3C	Z	0	5.25
72	MP3C	Mx	.003	5.25
73	MP4A	X	4.375	2.75
74	MP4A	Z	0	2.75
75	MP4A	Mx	-.002	2.75
76	MP4B	X	6.475	2.75
77	MP4B	Z	0	2.75
78	MP4B	Mx	.000562	2.75
79	MP4C	X	4.375	2.75
80	MP4C	Z	0	2.75
81	MP4C	Mx	.002	2.75
82	MP2A	X	9.832	2.75
83	MP2A	Z	0	2.75
84	MP2A	Mx	.004	2.75
85	MP2B	X	12.628	2.75
86	MP2B	Z	0	2.75
87	MP2B	Mx	-.001	2.75
88	MP2C	X	9.832	2.75
89	MP2C	Z	0	2.75
90	MP2C	Mx	-.004	2.75
91	MP4A	X	8.725	1
92	MP4A	Z	0	1
93	MP4A	Mx	.004	1
94	MP4B	X	12.583	1
95	MP4B	Z	0	1
96	MP4B	Mx	-.001	1
97	MP4C	X	8.725	1
98	MP4C	Z	0	1
99	MP4C	Mx	-.004	1
100	MP2B	X	13.646	2
101	MP2B	Z	0	2
102	MP2B	Mx	.001	2
103	MP2B	X	13.646	3.5
104	MP2B	Z	0	3.5
105	MP2B	Mx	.001	3.5
106	MP2C	X	7.849	2
107	MP2C	Z	0	2
108	MP2C	Mx	.003	2
109	MP2C	X	7.849	3.5
110	MP2C	Z	0	3.5
111	MP2C	Mx	.003	3.5
112	MP2A	X	7.849	2
113	MP2A	Z	0	2
114	MP2A	Mx	-.003	2
115	MP2A	X	7.849	3.5
116	MP2A	Z	0	3.5
117	MP2A	Mx	-.003	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
118	M44	X	15.274	.5
119	M44	Z	0	.5
120	M44	Mx	0	.5
121	M46	X	15.274	.5
122	M46	Z	0	.5
123	M46	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	19.472	1.5
2	MP1A	Z	11.242	1.5
3	MP1A	Mx	-.006	1.5
4	MP1A	X	19.472	4.5
5	MP1A	Z	11.242	4.5
6	MP1A	Mx	-.006	4.5
7	MP1B	X	19.472	1.5
8	MP1B	Z	11.242	1.5
9	MP1B	Mx	-.006	1.5
10	MP1B	X	19.472	4.5
11	MP1B	Z	11.242	4.5
12	MP1B	Mx	-.006	4.5
13	MP1C	X	11.268	1.5
14	MP1C	Z	6.506	1.5
15	MP1C	Mx	.007	1.5
16	MP1C	X	11.268	4.5
17	MP1C	Z	6.506	4.5
18	MP1C	Mx	.007	4.5
19	MP5A	X	19.472	1.5
20	MP5A	Z	11.242	1.5
21	MP5A	Mx	-.006	1.5
22	MP5A	X	19.472	4.5
23	MP5A	Z	11.242	4.5
24	MP5A	Mx	-.006	4.5
25	MP5B	X	19.472	1.5
26	MP5B	Z	11.242	1.5
27	MP5B	Mx	-.006	1.5
28	MP5B	X	19.472	4.5
29	MP5B	Z	11.242	4.5
30	MP5B	Mx	-.006	4.5
31	MP5C	X	11.268	1.5
32	MP5C	Z	6.506	1.5
33	MP5C	Mx	.007	1.5
34	MP5C	X	11.268	4.5
35	MP5C	Z	6.506	4.5
36	MP5C	Mx	.007	4.5
37	MP3A	X	21.304	.25
38	MP3A	Z	12.3	.25
39	MP3A	Mx	.006	.25
40	MP3A	X	21.304	5.25
41	MP3A	Z	12.3	5.25
42	MP3A	Mx	.006	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP3B	X	21.75	.25
44	MP3B	Z	12.557	.25
45	MP3B	Mx	-.018	.25
46	MP3B	X	21.75	5.25
47	MP3B	Z	12.557	5.25
48	MP3B	Mx	-.018	5.25
49	MP3C	X	18.787	.25
50	MP3C	Z	10.847	.25
51	MP3C	Mx	.011	.25
52	MP3C	X	18.787	5.25
53	MP3C	Z	10.847	5.25
54	MP3C	Mx	.011	5.25
55	MP3A	X	21.304	.25
56	MP3A	Z	12.3	.25
57	MP3A	Mx	-.019	.25
58	MP3A	X	21.304	5.25
59	MP3A	Z	12.3	5.25
60	MP3A	Mx	-.019	5.25
61	MP3B	X	21.75	.25
62	MP3B	Z	12.557	.25
63	MP3B	Mx	.009	.25
64	MP3B	X	21.75	5.25
65	MP3B	Z	12.557	5.25
66	MP3B	Mx	.009	5.25
67	MP3C	X	18.787	.25
68	MP3C	Z	10.847	.25
69	MP3C	Mx	.011	.25
70	MP3C	X	18.787	5.25
71	MP3C	Z	10.847	5.25
72	MP3C	Mx	.011	5.25
73	MP4A	X	5.052	2.75
74	MP4A	Z	2.917	2.75
75	MP4A	Mx	-.001	2.75
76	MP4B	X	5.388	2.75
77	MP4B	Z	3.111	2.75
78	MP4B	Mx	-.001	2.75
79	MP4C	X	3.157	2.75
80	MP4C	Z	1.823	2.75
81	MP4C	Mx	.002	2.75
82	MP2A	X	10.197	2.75
83	MP2A	Z	5.887	2.75
84	MP2A	Mx	.003	2.75
85	MP2B	X	10.644	2.75
86	MP2B	Z	6.145	2.75
87	MP2B	Mx	.002	2.75
88	MP2C	X	7.674	2.75
89	MP2C	Z	4.431	2.75
90	MP2C	Mx	-.004	2.75
91	MP4A	X	9.877	1
92	MP4A	Z	5.703	1
93	MP4A	Mx	.003	1
94	MP4B	X	10.495	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP4B	Z	6.059	1
96	MP4B	Mx	.002	1
97	MP4C	X	6.396	1
98	MP4C	Z	3.693	1
99	MP4C	Mx	-.004	1
100	MP2B	X	11.212	2
101	MP2B	Z	6.473	2
102	MP2B	Mx	-.002	2
103	MP2B	X	11.212	3.5
104	MP2B	Z	6.473	3.5
105	MP2B	Mx	-.002	3.5
106	MP2C	X	5.054	2
107	MP2C	Z	2.918	2
108	MP2C	Mx	.003	2
109	MP2C	X	5.054	3.5
110	MP2C	Z	2.918	3.5
111	MP2C	Mx	.003	3.5
112	MP2A	X	10.284	2
113	MP2A	Z	5.938	2
114	MP2A	Mx	-.003	2
115	MP2A	X	10.284	3.5
116	MP2A	Z	5.938	3.5
117	MP2A	Mx	-.003	3.5
118	M44	X	14.385	.5
119	M44	Z	8.305	.5
120	M44	Mx	0	.5
121	M46	X	14.385	.5
122	M46	Z	8.305	.5
123	M46	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	12.821	1.5
2	MP1A	Z	22.206	1.5
3	MP1A	Mx	0	1.5
4	MP1A	X	12.821	4.5
5	MP1A	Z	22.206	4.5
6	MP1A	Mx	0	4.5
7	MP1B	X	8.084	1.5
8	MP1B	Z	14.003	1.5
9	MP1B	Mx	-.007	1.5
10	MP1B	X	8.084	4.5
11	MP1B	Z	14.003	4.5
12	MP1B	Mx	-.007	4.5
13	MP1C	X	8.084	1.5
14	MP1C	Z	14.003	1.5
15	MP1C	Mx	.007	1.5
16	MP1C	X	8.084	4.5
17	MP1C	Z	14.003	4.5
18	MP1C	Mx	.007	4.5
19	MP5A	X	12.821	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
20	MP5A	Z	22.206	1.5
21	MP5A	Mx	0	1.5
22	MP5A	X	12.821	4.5
23	MP5A	Z	22.206	4.5
24	MP5A	Mx	0	4.5
25	MP5B	X	8.084	1.5
26	MP5B	Z	14.003	1.5
27	MP5B	Mx	-.007	1.5
28	MP5B	X	8.084	4.5
29	MP5B	Z	14.003	4.5
30	MP5B	Mx	-.007	4.5
31	MP5C	X	8.084	1.5
32	MP5C	Z	14.003	1.5
33	MP5C	Mx	.007	1.5
34	MP5C	X	8.084	4.5
35	MP5C	Z	14.003	4.5
36	MP5C	Mx	.007	4.5
37	MP3A	X	12.784	.25
38	MP3A	Z	22.143	.25
39	MP3A	Mx	.015	.25
40	MP3A	X	12.784	5.25
41	MP3A	Z	22.143	5.25
42	MP3A	Mx	.015	5.25
43	MP3B	X	11.647	.25
44	MP3B	Z	20.173	.25
45	MP3B	Mx	-.018	.25
46	MP3B	X	11.647	5.25
47	MP3B	Z	20.173	5.25
48	MP3B	Mx	-.018	5.25
49	MP3C	X	11.331	.25
50	MP3C	Z	19.626	.25
51	MP3C	Mx	.003	.25
52	MP3C	X	11.331	5.25
53	MP3C	Z	19.626	5.25
54	MP3C	Mx	.003	5.25
55	MP3A	X	12.784	.25
56	MP3A	Z	22.143	.25
57	MP3A	Mx	-.015	.25
58	MP3A	X	12.784	5.25
59	MP3A	Z	22.143	5.25
60	MP3A	Mx	-.015	5.25
61	MP3B	X	11.647	.25
62	MP3B	Z	20.173	.25
63	MP3B	Mx	-.000188	.25
64	MP3B	X	11.647	5.25
65	MP3B	Z	20.173	5.25
66	MP3B	Mx	-.000188	5.25
67	MP3C	X	11.331	.25
68	MP3C	Z	19.626	.25
69	MP3C	Mx	.016	.25
70	MP3C	X	11.331	5.25
71	MP3C	Z	19.626	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP3C	Mx	.016	5.25
73	MP4A	X	3.282	2.75
74	MP4A	Z	5.684	2.75
75	MP4A	Mx	0	2.75
76	MP4B	X	2.426	2.75
77	MP4B	Z	4.201	2.75
78	MP4B	Mx	-.002	2.75
79	MP4C	X	2.188	2.75
80	MP4C	Z	3.789	2.75
81	MP4C	Mx	.002	2.75
82	MP2A	X	6.373	2.75
83	MP2A	Z	11.038	2.75
84	MP2A	Mx	0	2.75
85	MP2B	X	5.233	2.75
86	MP2B	Z	9.064	2.75
87	MP2B	Mx	.004	2.75
88	MP2C	X	4.916	2.75
89	MP2C	Z	8.515	2.75
90	MP2C	Mx	-.004	2.75
91	MP4A	X	6.373	1
92	MP4A	Z	11.038	1
93	MP4A	Mx	0	1
94	MP4B	X	4.8	1
95	MP4B	Z	8.314	1
96	MP4B	Mx	.004	1
97	MP4C	X	4.363	1
98	MP4C	Z	7.556	1
99	MP4C	Mx	-.004	1
100	MP2B	X	4.582	2
101	MP2B	Z	7.935	2
102	MP2B	Mx	-.004	2
103	MP2B	X	4.582	3.5
104	MP2B	Z	7.935	3.5
105	MP2B	Mx	-.004	3.5
106	MP2C	X	3.925	2
107	MP2C	Z	6.798	2
108	MP2C	Mx	.003	2
109	MP2C	X	3.925	3.5
110	MP2C	Z	6.798	3.5
111	MP2C	Mx	.003	3.5
112	MP2A	X	6.944	2
113	MP2A	Z	12.028	2
114	MP2A	Mx	0	2
115	MP2A	X	6.944	3.5
116	MP2A	Z	12.028	3.5
117	MP2A	Mx	0	3.5
118	M44	X	7.637	.5
119	M44	Z	13.228	.5
120	M44	Mx	0	.5
121	M46	X	7.637	.5
122	M46	Z	13.228	.5
123	M46	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	22.484	1.5
3	MP1A	Mx	.006	1.5
4	MP1A	X	0	4.5
5	MP1A	Z	22.484	4.5
6	MP1A	Mx	.006	4.5
7	MP1B	X	0	1.5
8	MP1B	Z	13.011	1.5
9	MP1B	Mx	-.007	1.5
10	MP1B	X	0	4.5
11	MP1B	Z	13.011	4.5
12	MP1B	Mx	-.007	4.5
13	MP1C	X	0	1.5
14	MP1C	Z	22.484	1.5
15	MP1C	Mx	.006	1.5
16	MP1C	X	0	4.5
17	MP1C	Z	22.484	4.5
18	MP1C	Mx	.006	4.5
19	MP5A	X	0	1.5
20	MP5A	Z	22.484	1.5
21	MP5A	Mx	.006	1.5
22	MP5A	X	0	4.5
23	MP5A	Z	22.484	4.5
24	MP5A	Mx	.006	4.5
25	MP5B	X	0	1.5
26	MP5B	Z	13.011	1.5
27	MP5B	Mx	-.007	1.5
28	MP5B	X	0	4.5
29	MP5B	Z	13.011	4.5
30	MP5B	Mx	-.007	4.5
31	MP5C	X	0	1.5
32	MP5C	Z	22.484	1.5
33	MP5C	Mx	.006	1.5
34	MP5C	X	0	4.5
35	MP5C	Z	22.484	4.5
36	MP5C	Mx	.006	4.5
37	MP3A	X	0	.25
38	MP3A	Z	24.599	.25
39	MP3A	Mx	.019	.25
40	MP3A	X	0	5.25
41	MP3A	Z	24.599	5.25
42	MP3A	Mx	.019	5.25
43	MP3B	X	0	.25
44	MP3B	Z	21.81	.25
45	MP3B	Mx	-.013	.25
46	MP3B	X	0	5.25
47	MP3B	Z	21.81	5.25
48	MP3B	Mx	-.013	5.25
49	MP3C	X	0	.25
50	MP3C	Z	24.599	.25
51	MP3C	Mx	-.006	.25
52	MP3C	X	0	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	24.599	5.25
54	MP3C	Mx	-.006	5.25
55	MP3A	X	0	.25
56	MP3A	Z	24.599	.25
57	MP3A	Mx	-.006	.25
58	MP3A	X	0	5.25
59	MP3A	Z	24.599	5.25
60	MP3A	Mx	-.006	5.25
61	MP3B	X	0	.25
62	MP3B	Z	21.81	.25
63	MP3B	Mx	-.009	.25
64	MP3B	X	0	5.25
65	MP3B	Z	21.81	5.25
66	MP3B	Mx	-.009	5.25
67	MP3C	X	0	.25
68	MP3C	Z	24.599	.25
69	MP3C	Mx	.019	.25
70	MP3C	X	0	5.25
71	MP3C	Z	24.599	5.25
72	MP3C	Mx	.019	5.25
73	MP4A	X	0	2.75
74	MP4A	Z	5.834	2.75
75	MP4A	Mx	.001	2.75
76	MP4B	X	0	2.75
77	MP4B	Z	3.734	2.75
78	MP4B	Mx	-.002	2.75
79	MP4C	X	0	2.75
80	MP4C	Z	5.834	2.75
81	MP4C	Mx	.001	2.75
82	MP2A	X	0	2.75
83	MP2A	Z	11.774	2.75
84	MP2A	Mx	-.003	2.75
85	MP2B	X	0	2.75
86	MP2B	Z	8.978	2.75
87	MP2B	Mx	.004	2.75
88	MP2C	X	0	2.75
89	MP2C	Z	11.774	2.75
90	MP2C	Mx	-.003	2.75
91	MP4A	X	0	1
92	MP4A	Z	11.405	1
93	MP4A	Mx	-.003	1
94	MP4B	X	0	1
95	MP4B	Z	7.547	1
96	MP4B	Mx	.004	1
97	MP4C	X	0	1
98	MP4C	Z	11.405	1
99	MP4C	Mx	-.003	1
100	MP2B	X	0	2
101	MP2B	Z	6.079	2
102	MP2B	Mx	-.003	2
103	MP2B	X	0	3.5
104	MP2B	Z	6.079	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
105	MP2B	Mx	-.003	3.5
106	MP2C	X	0	2
107	MP2C	Z	11.875	2
108	MP2C	Mx	.003	2
109	MP2C	X	0	3.5
110	MP2C	Z	11.875	3.5
111	MP2C	Mx	.003	3.5
112	MP2A	X	0	2
113	MP2A	Z	11.875	2
114	MP2A	Mx	.003	2
115	MP2A	X	0	3.5
116	MP2A	Z	11.875	3.5
117	MP2A	Mx	.003	3.5
118	M44	X	0	.5
119	M44	Z	12.601	.5
120	M44	Mx	0	.5
121	M46	X	0	.5
122	M46	Z	12.601	.5
123	M46	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-8.084	1.5
2	MP1A	Z	14.003	1.5
3	MP1A	Mx	.007	1.5
4	MP1A	X	-8.084	4.5
5	MP1A	Z	14.003	4.5
6	MP1A	Mx	.007	4.5
7	MP1B	X	-8.084	1.5
8	MP1B	Z	14.003	1.5
9	MP1B	Mx	-.007	1.5
10	MP1B	X	-8.084	4.5
11	MP1B	Z	14.003	4.5
12	MP1B	Mx	-.007	4.5
13	MP1C	X	-12.821	1.5
14	MP1C	Z	22.206	1.5
15	MP1C	Mx	0	1.5
16	MP1C	X	-12.821	4.5
17	MP1C	Z	22.206	4.5
18	MP1C	Mx	0	4.5
19	MP5A	X	-8.084	1.5
20	MP5A	Z	14.003	1.5
21	MP5A	Mx	.007	1.5
22	MP5A	X	-8.084	4.5
23	MP5A	Z	14.003	4.5
24	MP5A	Mx	.007	4.5
25	MP5B	X	-8.084	1.5
26	MP5B	Z	14.003	1.5
27	MP5B	Mx	-.007	1.5
28	MP5B	X	-8.084	4.5
29	MP5B	Z	14.003	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP5B	Mx	-.007	4.5
31	MP5C	X	-12.821	1.5
32	MP5C	Z	22.206	1.5
33	MP5C	Mx	0	1.5
34	MP5C	X	-12.821	4.5
35	MP5C	Z	22.206	4.5
36	MP5C	Mx	0	4.5
37	MP3A	X	-11.331	.25
38	MP3A	Z	19.626	.25
39	MP3A	Mx	.016	.25
40	MP3A	X	-11.331	5.25
41	MP3A	Z	19.626	5.25
42	MP3A	Mx	.016	5.25
43	MP3B	X	-11.073	.25
44	MP3B	Z	19.179	.25
45	MP3B	Mx	-.006	.25
46	MP3B	X	-11.073	5.25
47	MP3B	Z	19.179	5.25
48	MP3B	Mx	-.006	5.25
49	MP3C	X	-12.784	.25
50	MP3C	Z	22.143	.25
51	MP3C	Mx	-.015	.25
52	MP3C	X	-12.784	5.25
53	MP3C	Z	22.143	5.25
54	MP3C	Mx	-.015	5.25
55	MP3A	X	-11.331	.25
56	MP3A	Z	19.626	.25
57	MP3A	Mx	.003	.25
58	MP3A	X	-11.331	5.25
59	MP3A	Z	19.626	5.25
60	MP3A	Mx	.003	5.25
61	MP3B	X	-11.073	.25
62	MP3B	Z	19.179	.25
63	MP3B	Mx	-.015	.25
64	MP3B	X	-11.073	5.25
65	MP3B	Z	19.179	5.25
66	MP3B	Mx	-.015	5.25
67	MP3C	X	-12.784	.25
68	MP3C	Z	22.143	.25
69	MP3C	Mx	.015	.25
70	MP3C	X	-12.784	5.25
71	MP3C	Z	22.143	5.25
72	MP3C	Mx	.015	5.25
73	MP4A	X	-2.188	2.75
74	MP4A	Z	3.789	2.75
75	MP4A	Mx	.002	2.75
76	MP4B	X	-1.994	2.75
77	MP4B	Z	3.453	2.75
78	MP4B	Mx	-.002	2.75
79	MP4C	X	-3.282	2.75
80	MP4C	Z	5.684	2.75
81	MP4C	Mx	0	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP2A	X	-4.916	2.75
83	MP2A	Z	8.515	2.75
84	MP2A	Mx	-.004	2.75
85	MP2B	X	-4.658	2.75
86	MP2B	Z	8.068	2.75
87	MP2B	Mx	.004	2.75
88	MP2C	X	-6.373	2.75
89	MP2C	Z	11.038	2.75
90	MP2C	Mx	0	2.75
91	MP4A	X	-4.363	1
92	MP4A	Z	7.556	1
93	MP4A	Mx	-.004	1
94	MP4B	X	-4.006	1
95	MP4B	Z	6.939	1
96	MP4B	Mx	.004	1
97	MP4C	X	-6.373	1
98	MP4C	Z	11.038	1
99	MP4C	Mx	0	1
100	MP2B	X	-3.389	2
101	MP2B	Z	5.87	2
102	MP2B	Mx	-.003	2
103	MP2B	X	-3.389	3.5
104	MP2B	Z	5.87	3.5
105	MP2B	Mx	-.003	3.5
106	MP2C	X	-6.944	2
107	MP2C	Z	12.028	2
108	MP2C	Mx	0	2
109	MP2C	X	-6.944	3.5
110	MP2C	Z	12.028	3.5
111	MP2C	Mx	0	3.5
112	MP2A	X	-3.925	2
113	MP2A	Z	6.798	2
114	MP2A	Mx	.003	2
115	MP2A	X	-3.925	3.5
116	MP2A	Z	6.798	3.5
117	MP2A	Mx	.003	3.5
118	M44	X	-5.633	.5
119	M44	Z	9.756	.5
120	M44	Mx	0	.5
121	M46	X	-5.633	.5
122	M46	Z	9.756	.5
123	M46	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-11.268	1.5
2	MP1A	Z	6.506	1.5
3	MP1A	Mx	.007	1.5
4	MP1A	X	-11.268	4.5
5	MP1A	Z	6.506	4.5
6	MP1A	Mx	.007	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP1B	X	-19.472	1.5
8	MP1B	Z	11.242	1.5
9	MP1B	Mx	-.006	1.5
10	MP1B	X	-19.472	4.5
11	MP1B	Z	11.242	4.5
12	MP1B	Mx	-.006	4.5
13	MP1C	X	-19.472	1.5
14	MP1C	Z	11.242	1.5
15	MP1C	Mx	-.006	1.5
16	MP1C	X	-19.472	4.5
17	MP1C	Z	11.242	4.5
18	MP1C	Mx	-.006	4.5
19	MP5A	X	-11.268	1.5
20	MP5A	Z	6.506	1.5
21	MP5A	Mx	.007	1.5
22	MP5A	X	-11.268	4.5
23	MP5A	Z	6.506	4.5
24	MP5A	Mx	.007	4.5
25	MP5B	X	-19.472	1.5
26	MP5B	Z	11.242	1.5
27	MP5B	Mx	-.006	1.5
28	MP5B	X	-19.472	4.5
29	MP5B	Z	11.242	4.5
30	MP5B	Mx	-.006	4.5
31	MP5C	X	-19.472	1.5
32	MP5C	Z	11.242	1.5
33	MP5C	Mx	-.006	1.5
34	MP5C	X	-19.472	4.5
35	MP5C	Z	11.242	4.5
36	MP5C	Mx	-.006	4.5
37	MP3A	X	-18.787	.25
38	MP3A	Z	10.847	.25
39	MP3A	Mx	.011	.25
40	MP3A	X	-18.787	5.25
41	MP3A	Z	10.847	5.25
42	MP3A	Mx	.011	5.25
43	MP3B	X	-20.756	.25
44	MP3B	Z	11.984	.25
45	MP3B	Mx	.003	.25
46	MP3B	X	-20.756	5.25
47	MP3B	Z	11.984	5.25
48	MP3B	Mx	.003	5.25
49	MP3C	X	-21.304	.25
50	MP3C	Z	12.3	.25
51	MP3C	Mx	-.019	.25
52	MP3C	X	-21.304	5.25
53	MP3C	Z	12.3	5.25
54	MP3C	Mx	-.019	5.25
55	MP3A	X	-18.787	.25
56	MP3A	Z	10.847	.25
57	MP3A	Mx	.011	.25
58	MP3A	X	-18.787	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP3A	Z	10.847	5.25
60	MP3A	Mx	.011	5.25
61	MP3B	X	-20.756	.25
62	MP3B	Z	11.984	.25
63	MP3B	Mx	-.018	.25
64	MP3B	X	-20.756	5.25
65	MP3B	Z	11.984	5.25
66	MP3B	Mx	-.018	5.25
67	MP3C	X	-21.304	.25
68	MP3C	Z	12.3	.25
69	MP3C	Mx	.006	.25
70	MP3C	X	-21.304	5.25
71	MP3C	Z	12.3	5.25
72	MP3C	Mx	.006	5.25
73	MP4A	X	-3.157	2.75
74	MP4A	Z	1.823	2.75
75	MP4A	Mx	.002	2.75
76	MP4B	X	-4.64	2.75
77	MP4B	Z	2.679	2.75
78	MP4B	Mx	-.002	2.75
79	MP4C	X	-5.052	2.75
80	MP4C	Z	2.917	2.75
81	MP4C	Mx	-.001	2.75
82	MP2A	X	-7.674	2.75
83	MP2A	Z	4.431	2.75
84	MP2A	Mx	-.004	2.75
85	MP2B	X	-9.648	2.75
86	MP2B	Z	5.57	2.75
87	MP2B	Mx	.004	2.75
88	MP2C	X	-10.197	2.75
89	MP2C	Z	5.887	2.75
90	MP2C	Mx	.003	2.75
91	MP4A	X	-6.396	1
92	MP4A	Z	3.693	1
93	MP4A	Mx	-.004	1
94	MP4B	X	-9.12	1
95	MP4B	Z	5.265	1
96	MP4B	Mx	.003	1
97	MP4C	X	-9.877	1
98	MP4C	Z	5.703	1
99	MP4C	Mx	.003	1
100	MP2B	X	-9.146	2
101	MP2B	Z	5.281	2
102	MP2B	Mx	-.003	2
103	MP2B	X	-9.146	3.5
104	MP2B	Z	5.281	3.5
105	MP2B	Mx	-.003	3.5
106	MP2C	X	-10.284	2
107	MP2C	Z	5.938	2
108	MP2C	Mx	-.003	2
109	MP2C	X	-10.284	3.5
110	MP2C	Z	5.938	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
111	MP2C	Mx	-.003	3.5
112	MP2A	X	-5.054	2
113	MP2A	Z	2.918	2
114	MP2A	Mx	.003	2
115	MP2A	X	-5.054	3.5
116	MP2A	Z	2.918	3.5
117	MP2A	Mx	.003	3.5
118	M44	X	-10.913	.5
119	M44	Z	6.301	.5
120	M44	Mx	0	.5
121	M46	X	-10.913	.5
122	M46	Z	6.301	.5
123	M46	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-16.169	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	.007	1.5
4	MP1A	X	-16.169	4.5
5	MP1A	Z	0	4.5
6	MP1A	Mx	.007	4.5
7	MP1B	X	-25.641	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	0	1.5
10	MP1B	X	-25.641	4.5
11	MP1B	Z	0	4.5
12	MP1B	Mx	0	4.5
13	MP1C	X	-16.169	1.5
14	MP1C	Z	0	1.5
15	MP1C	Mx	-.007	1.5
16	MP1C	X	-16.169	4.5
17	MP1C	Z	0	4.5
18	MP1C	Mx	-.007	4.5
19	MP5A	X	-16.169	1.5
20	MP5A	Z	0	1.5
21	MP5A	Mx	.007	1.5
22	MP5A	X	-16.169	4.5
23	MP5A	Z	0	4.5
24	MP5A	Mx	.007	4.5
25	MP5B	X	-25.641	1.5
26	MP5B	Z	0	1.5
27	MP5B	Mx	0	1.5
28	MP5B	X	-25.641	4.5
29	MP5B	Z	0	4.5
30	MP5B	Mx	0	4.5
31	MP5C	X	-16.169	1.5
32	MP5C	Z	0	1.5
33	MP5C	Mx	-.007	1.5
34	MP5C	X	-16.169	4.5
35	MP5C	Z	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP5C	Mx	-.007	4.5
37	MP3A	X	-22.662	.25
38	MP3A	Z	0	.25
39	MP3A	Mx	.003	.25
40	MP3A	X	-22.662	5.25
41	MP3A	Z	0	5.25
42	MP3A	Mx	.003	5.25
43	MP3B	X	-25.451	.25
44	MP3B	Z	0	.25
45	MP3B	Mx	.012	.25
46	MP3B	X	-25.451	5.25
47	MP3B	Z	0	5.25
48	MP3B	Mx	.012	5.25
49	MP3C	X	-22.662	.25
50	MP3C	Z	0	.25
51	MP3C	Mx	-.016	.25
52	MP3C	X	-22.662	5.25
53	MP3C	Z	0	5.25
54	MP3C	Mx	-.016	5.25
55	MP3A	X	-22.662	.25
56	MP3A	Z	0	.25
57	MP3A	Mx	.016	.25
58	MP3A	X	-22.662	5.25
59	MP3A	Z	0	5.25
60	MP3A	Mx	.016	5.25
61	MP3B	X	-25.451	.25
62	MP3B	Z	0	.25
63	MP3B	Mx	-.017	.25
64	MP3B	X	-25.451	5.25
65	MP3B	Z	0	5.25
66	MP3B	Mx	-.017	5.25
67	MP3C	X	-22.662	.25
68	MP3C	Z	0	.25
69	MP3C	Mx	-.003	.25
70	MP3C	X	-22.662	5.25
71	MP3C	Z	0	5.25
72	MP3C	Mx	-.003	5.25
73	MP4A	X	-4.375	2.75
74	MP4A	Z	0	2.75
75	MP4A	Mx	.002	2.75
76	MP4B	X	-6.475	2.75
77	MP4B	Z	0	2.75
78	MP4B	Mx	-.000562	2.75
79	MP4C	X	-4.375	2.75
80	MP4C	Z	0	2.75
81	MP4C	Mx	-.002	2.75
82	MP2A	X	-9.832	2.75
83	MP2A	Z	0	2.75
84	MP2A	Mx	-.004	2.75
85	MP2B	X	-12.628	2.75
86	MP2B	Z	0	2.75
87	MP2B	Mx	.001	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP2C	X	-9.832	2.75
89	MP2C	Z	0	2.75
90	MP2C	Mx	.004	2.75
91	MP4A	X	-8.725	1
92	MP4A	Z	0	1
93	MP4A	Mx	-.004	1
94	MP4B	X	-12.583	1
95	MP4B	Z	0	1
96	MP4B	Mx	.001	1
97	MP4C	X	-8.725	1
98	MP4C	Z	0	1
99	MP4C	Mx	.004	1
100	MP2B	X	-13.646	2
101	MP2B	Z	0	2
102	MP2B	Mx	-.001	2
103	MP2B	X	-13.646	3.5
104	MP2B	Z	0	3.5
105	MP2B	Mx	-.001	3.5
106	MP2C	X	-7.849	2
107	MP2C	Z	0	2
108	MP2C	Mx	-.003	2
109	MP2C	X	-7.849	3.5
110	MP2C	Z	0	3.5
111	MP2C	Mx	-.003	3.5
112	MP2A	X	-7.849	2
113	MP2A	Z	0	2
114	MP2A	Mx	.003	2
115	MP2A	X	-7.849	3.5
116	MP2A	Z	0	3.5
117	MP2A	Mx	.003	3.5
118	M44	X	-15.274	.5
119	M44	Z	0	.5
120	M44	Mx	0	.5
121	M46	X	-15.274	.5
122	M46	Z	0	.5
123	M46	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-19.472	1.5
2	MP1A	Z	-11.242	1.5
3	MP1A	Mx	.006	1.5
4	MP1A	X	-19.472	4.5
5	MP1A	Z	-11.242	4.5
6	MP1A	Mx	.006	4.5
7	MP1B	X	-19.472	1.5
8	MP1B	Z	-11.242	1.5
9	MP1B	Mx	.006	1.5
10	MP1B	X	-19.472	4.5
11	MP1B	Z	-11.242	4.5
12	MP1B	Mx	.006	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP1C	X	-11.268	1.5
14	MP1C	Z	-6.506	1.5
15	MP1C	Mx	-.007	1.5
16	MP1C	X	-11.268	4.5
17	MP1C	Z	-6.506	4.5
18	MP1C	Mx	-.007	4.5
19	MP5A	X	-19.472	1.5
20	MP5A	Z	-11.242	1.5
21	MP5A	Mx	.006	1.5
22	MP5A	X	-19.472	4.5
23	MP5A	Z	-11.242	4.5
24	MP5A	Mx	.006	4.5
25	MP5B	X	-19.472	1.5
26	MP5B	Z	-11.242	1.5
27	MP5B	Mx	.006	1.5
28	MP5B	X	-19.472	4.5
29	MP5B	Z	-11.242	4.5
30	MP5B	Mx	.006	4.5
31	MP5C	X	-11.268	1.5
32	MP5C	Z	-6.506	1.5
33	MP5C	Mx	-.007	1.5
34	MP5C	X	-11.268	4.5
35	MP5C	Z	-6.506	4.5
36	MP5C	Mx	-.007	4.5
37	MP3A	X	-21.304	.25
38	MP3A	Z	-12.3	.25
39	MP3A	Mx	-.006	.25
40	MP3A	X	-21.304	5.25
41	MP3A	Z	-12.3	5.25
42	MP3A	Mx	-.006	5.25
43	MP3B	X	-21.75	.25
44	MP3B	Z	-12.557	.25
45	MP3B	Mx	.018	.25
46	MP3B	X	-21.75	5.25
47	MP3B	Z	-12.557	5.25
48	MP3B	Mx	.018	5.25
49	MP3C	X	-18.787	.25
50	MP3C	Z	-10.847	.25
51	MP3C	Mx	-.011	.25
52	MP3C	X	-18.787	5.25
53	MP3C	Z	-10.847	5.25
54	MP3C	Mx	-.011	5.25
55	MP3A	X	-21.304	.25
56	MP3A	Z	-12.3	.25
57	MP3A	Mx	.019	.25
58	MP3A	X	-21.304	5.25
59	MP3A	Z	-12.3	5.25
60	MP3A	Mx	.019	5.25
61	MP3B	X	-21.75	.25
62	MP3B	Z	-12.557	.25
63	MP3B	Mx	-.009	.25
64	MP3B	X	-21.75	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP3B	Z	-12.557	5.25
66	MP3B	Mx	-.009	5.25
67	MP3C	X	-18.787	.25
68	MP3C	Z	-10.847	.25
69	MP3C	Mx	-.011	.25
70	MP3C	X	-18.787	5.25
71	MP3C	Z	-10.847	5.25
72	MP3C	Mx	-.011	5.25
73	MP4A	X	-5.052	2.75
74	MP4A	Z	-2.917	2.75
75	MP4A	Mx	.001	2.75
76	MP4B	X	-5.388	2.75
77	MP4B	Z	-3.111	2.75
78	MP4B	Mx	.001	2.75
79	MP4C	X	-3.157	2.75
80	MP4C	Z	-1.823	2.75
81	MP4C	Mx	-.002	2.75
82	MP2A	X	-10.197	2.75
83	MP2A	Z	-5.887	2.75
84	MP2A	Mx	-.003	2.75
85	MP2B	X	-10.644	2.75
86	MP2B	Z	-6.145	2.75
87	MP2B	Mx	-.002	2.75
88	MP2C	X	-7.674	2.75
89	MP2C	Z	-4.431	2.75
90	MP2C	Mx	.004	2.75
91	MP4A	X	-9.877	1
92	MP4A	Z	-5.703	1
93	MP4A	Mx	-.003	1
94	MP4B	X	-10.495	1
95	MP4B	Z	-6.059	1
96	MP4B	Mx	-.002	1
97	MP4C	X	-6.396	1
98	MP4C	Z	-3.693	1
99	MP4C	Mx	.004	1
100	MP2B	X	-11.212	2
101	MP2B	Z	-6.473	2
102	MP2B	Mx	.002	2
103	MP2B	X	-11.212	3.5
104	MP2B	Z	-6.473	3.5
105	MP2B	Mx	.002	3.5
106	MP2C	X	-5.054	2
107	MP2C	Z	-2.918	2
108	MP2C	Mx	-.003	2
109	MP2C	X	-5.054	3.5
110	MP2C	Z	-2.918	3.5
111	MP2C	Mx	-.003	3.5
112	MP2A	X	-10.284	2
113	MP2A	Z	-5.938	2
114	MP2A	Mx	.003	2
115	MP2A	X	-10.284	3.5
116	MP2A	Z	-5.938	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
117	MP2A	Mx	.003	3.5
118	M44	X	-14.385	.5
119	M44	Z	-8.305	.5
120	M44	Mx	0	.5
121	M46	X	-14.385	.5
122	M46	Z	-8.305	.5
123	M46	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-12.821	1.5
2	MP1A	Z	-22.206	1.5
3	MP1A	Mx	0	1.5
4	MP1A	X	-12.821	4.5
5	MP1A	Z	-22.206	4.5
6	MP1A	Mx	0	4.5
7	MP1B	X	-8.084	1.5
8	MP1B	Z	-14.003	1.5
9	MP1B	Mx	.007	1.5
10	MP1B	X	-8.084	4.5
11	MP1B	Z	-14.003	4.5
12	MP1B	Mx	.007	4.5
13	MP1C	X	-8.084	1.5
14	MP1C	Z	-14.003	1.5
15	MP1C	Mx	-.007	1.5
16	MP1C	X	-8.084	4.5
17	MP1C	Z	-14.003	4.5
18	MP1C	Mx	-.007	4.5
19	MP5A	X	-12.821	1.5
20	MP5A	Z	-22.206	1.5
21	MP5A	Mx	0	1.5
22	MP5A	X	-12.821	4.5
23	MP5A	Z	-22.206	4.5
24	MP5A	Mx	0	4.5
25	MP5B	X	-8.084	1.5
26	MP5B	Z	-14.003	1.5
27	MP5B	Mx	.007	1.5
28	MP5B	X	-8.084	4.5
29	MP5B	Z	-14.003	4.5
30	MP5B	Mx	.007	4.5
31	MP5C	X	-8.084	1.5
32	MP5C	Z	-14.003	1.5
33	MP5C	Mx	-.007	1.5
34	MP5C	X	-8.084	4.5
35	MP5C	Z	-14.003	4.5
36	MP5C	Mx	-.007	4.5
37	MP3A	X	-12.784	.25
38	MP3A	Z	-22.143	.25
39	MP3A	Mx	-.015	.25
40	MP3A	X	-12.784	5.25
41	MP3A	Z	-22.143	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
42	MP3A	Mx	-.015	5.25
43	MP3B	X	-11.647	.25
44	MP3B	Z	-20.173	.25
45	MP3B	Mx	.018	.25
46	MP3B	X	-11.647	5.25
47	MP3B	Z	-20.173	5.25
48	MP3B	Mx	.018	5.25
49	MP3C	X	-11.331	.25
50	MP3C	Z	-19.626	.25
51	MP3C	Mx	-.003	.25
52	MP3C	X	-11.331	5.25
53	MP3C	Z	-19.626	5.25
54	MP3C	Mx	-.003	5.25
55	MP3A	X	-12.784	.25
56	MP3A	Z	-22.143	.25
57	MP3A	Mx	.015	.25
58	MP3A	X	-12.784	5.25
59	MP3A	Z	-22.143	5.25
60	MP3A	Mx	.015	5.25
61	MP3B	X	-11.647	.25
62	MP3B	Z	-20.173	.25
63	MP3B	Mx	.000188	.25
64	MP3B	X	-11.647	5.25
65	MP3B	Z	-20.173	5.25
66	MP3B	Mx	.000188	5.25
67	MP3C	X	-11.331	.25
68	MP3C	Z	-19.626	.25
69	MP3C	Mx	-.016	.25
70	MP3C	X	-11.331	5.25
71	MP3C	Z	-19.626	5.25
72	MP3C	Mx	-.016	5.25
73	MP4A	X	-3.282	2.75
74	MP4A	Z	-5.684	2.75
75	MP4A	Mx	0	2.75
76	MP4B	X	-2.426	2.75
77	MP4B	Z	-4.201	2.75
78	MP4B	Mx	.002	2.75
79	MP4C	X	-2.188	2.75
80	MP4C	Z	-3.789	2.75
81	MP4C	Mx	-.002	2.75
82	MP2A	X	-6.373	2.75
83	MP2A	Z	-11.038	2.75
84	MP2A	Mx	0	2.75
85	MP2B	X	-5.233	2.75
86	MP2B	Z	-9.064	2.75
87	MP2B	Mx	-.004	2.75
88	MP2C	X	-4.916	2.75
89	MP2C	Z	-8.515	2.75
90	MP2C	Mx	.004	2.75
91	MP4A	X	-6.373	1
92	MP4A	Z	-11.038	1
93	MP4A	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
94	MP4B	X	-4.8	1
95	MP4B	Z	-8.314	1
96	MP4B	Mx	-.004	1
97	MP4C	X	-4.363	1
98	MP4C	Z	-7.556	1
99	MP4C	Mx	.004	1
100	MP2B	X	-4.582	2
101	MP2B	Z	-7.935	2
102	MP2B	Mx	.004	2
103	MP2B	X	-4.582	3.5
104	MP2B	Z	-7.935	3.5
105	MP2B	Mx	.004	3.5
106	MP2C	X	-3.925	2
107	MP2C	Z	-6.798	2
108	MP2C	Mx	-.003	2
109	MP2C	X	-3.925	3.5
110	MP2C	Z	-6.798	3.5
111	MP2C	Mx	-.003	3.5
112	MP2A	X	-6.944	2
113	MP2A	Z	-12.028	2
114	MP2A	Mx	0	2
115	MP2A	X	-6.944	3.5
116	MP2A	Z	-12.028	3.5
117	MP2A	Mx	0	3.5
118	M44	X	-7.637	.5
119	M44	Z	-13.228	.5
120	M44	Mx	0	.5
121	M46	X	-7.637	.5
122	M46	Z	-13.228	.5
123	M46	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	-5.514	1.5
3	MP1A	Mx	-.001	1.5
4	MP1A	X	0	4.5
5	MP1A	Z	-5.514	4.5
6	MP1A	Mx	-.001	4.5
7	MP1B	X	0	1.5
8	MP1B	Z	-4.087	1.5
9	MP1B	Mx	.002	1.5
10	MP1B	X	0	4.5
11	MP1B	Z	-4.087	4.5
12	MP1B	Mx	.002	4.5
13	MP1C	X	0	1.5
14	MP1C	Z	-5.514	1.5
15	MP1C	Mx	-.001	1.5
16	MP1C	X	0	4.5
17	MP1C	Z	-5.514	4.5
18	MP1C	Mx	-.001	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP5A	X	0	1.5
20	MP5A	Z	-5.514	1.5
21	MP5A	Mx	-.001	1.5
22	MP5A	X	0	4.5
23	MP5A	Z	-5.514	4.5
24	MP5A	Mx	-.001	4.5
25	MP5B	X	0	1.5
26	MP5B	Z	-4.087	1.5
27	MP5B	Mx	.002	1.5
28	MP5B	X	0	4.5
29	MP5B	Z	-4.087	4.5
30	MP5B	Mx	.002	4.5
31	MP5C	X	0	1.5
32	MP5C	Z	-5.514	1.5
33	MP5C	Mx	-.001	1.5
34	MP5C	X	0	4.5
35	MP5C	Z	-5.514	4.5
36	MP5C	Mx	-.001	4.5
37	MP3A	X	0	.25
38	MP3A	Z	-8.011	.25
39	MP3A	Mx	-.006	.25
40	MP3A	X	0	5.25
41	MP3A	Z	-8.011	5.25
42	MP3A	Mx	-.006	5.25
43	MP3B	X	0	.25
44	MP3B	Z	-7.027	.25
45	MP3B	Mx	.004	.25
46	MP3B	X	0	5.25
47	MP3B	Z	-7.027	5.25
48	MP3B	Mx	.004	5.25
49	MP3C	X	0	.25
50	MP3C	Z	-8.011	.25
51	MP3C	Mx	.002	.25
52	MP3C	X	0	5.25
53	MP3C	Z	-8.011	5.25
54	MP3C	Mx	.002	5.25
55	MP3A	X	0	.25
56	MP3A	Z	-8.011	.25
57	MP3A	Mx	.002	.25
58	MP3A	X	0	5.25
59	MP3A	Z	-8.011	5.25
60	MP3A	Mx	.002	5.25
61	MP3B	X	0	.25
62	MP3B	Z	-7.027	.25
63	MP3B	Mx	.003	.25
64	MP3B	X	0	5.25
65	MP3B	Z	-7.027	5.25
66	MP3B	Mx	.003	5.25
67	MP3C	X	0	.25
68	MP3C	Z	-8.011	.25
69	MP3C	Mx	-.006	.25
70	MP3C	X	0	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP3C	Z	-8.011	5.25
72	MP3C	Mx	-.006	5.25
73	MP4A	X	0	2.75
74	MP4A	Z	-1.596	2.75
75	MP4A	Mx	-.000399	2.75
76	MP4B	X	0	2.75
77	MP4B	Z	-.927	2.75
78	MP4B	Mx	.000456	2.75
79	MP4C	X	0	2.75
80	MP4C	Z	-1.596	2.75
81	MP4C	Mx	-.000399	2.75
82	MP2A	X	0	2.75
83	MP2A	Z	-3.524	2.75
84	MP2A	Mx	.000881	2.75
85	MP2B	X	0	2.75
86	MP2B	Z	-2.607	2.75
87	MP2B	Mx	-.001	2.75
88	MP2C	X	0	2.75
89	MP2C	Z	-3.524	2.75
90	MP2C	Mx	.000881	2.75
91	MP4A	X	0	1
92	MP4A	Z	-3.402	1
93	MP4A	Mx	.00085	1
94	MP4B	X	0	1
95	MP4B	Z	-2.134	1
96	MP4B	Mx	-.001	1
97	MP4C	X	0	1
98	MP4C	Z	-3.402	1
99	MP4C	Mx	.00085	1
100	MP2B	X	0	2
101	MP2B	Z	-1.78	2
102	MP2B	Mx	.000876	2
103	MP2B	X	0	3.5
104	MP2B	Z	-1.78	3.5
105	MP2B	Mx	.000876	3.5
106	MP2C	X	0	2
107	MP2C	Z	-3.738	2
108	MP2C	Mx	-.000934	2
109	MP2C	X	0	3.5
110	MP2C	Z	-3.738	3.5
111	MP2C	Mx	-.000934	3.5
112	MP2A	X	0	2
113	MP2A	Z	-3.738	2
114	MP2A	Mx	-.000934	2
115	MP2A	X	0	3.5
116	MP2A	Z	-3.738	3.5
117	MP2A	Mx	-.000934	3.5
118	M44	X	0	.5
119	M44	Z	-3.786	.5
120	M44	Mx	0	.5
121	M46	X	0	.5
122	M46	Z	-3.786	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
123	M46	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	2.281	1.5
2	MP1A	Z	-3.951	1.5
3	MP1A	Mx	-.002	1.5
4	MP1A	X	2.281	4.5
5	MP1A	Z	-3.951	4.5
6	MP1A	Mx	-.002	4.5
7	MP1B	X	2.281	1.5
8	MP1B	Z	-3.951	1.5
9	MP1B	Mx	.002	1.5
10	MP1B	X	2.281	4.5
11	MP1B	Z	-3.951	4.5
12	MP1B	Mx	.002	4.5
13	MP1C	X	2.995	1.5
14	MP1C	Z	-5.187	1.5
15	MP1C	Mx	0	1.5
16	MP1C	X	2.995	4.5
17	MP1C	Z	-5.187	4.5
18	MP1C	Mx	0	4.5
19	MP5A	X	2.281	1.5
20	MP5A	Z	-3.951	1.5
21	MP5A	Mx	-.002	1.5
22	MP5A	X	2.281	4.5
23	MP5A	Z	-3.951	4.5
24	MP5A	Mx	-.002	4.5
25	MP5B	X	2.281	1.5
26	MP5B	Z	-3.951	1.5
27	MP5B	Mx	.002	1.5
28	MP5B	X	2.281	4.5
29	MP5B	Z	-3.951	4.5
30	MP5B	Mx	.002	4.5
31	MP5C	X	2.995	1.5
32	MP5C	Z	-5.187	1.5
33	MP5C	Mx	0	1.5
34	MP5C	X	2.995	4.5
35	MP5C	Z	-5.187	4.5
36	MP5C	Mx	0	4.5
37	MP3A	X	3.664	.25
38	MP3A	Z	-6.346	.25
39	MP3A	Mx	-.005	.25
40	MP3A	X	3.664	5.25
41	MP3A	Z	-6.346	5.25
42	MP3A	Mx	-.005	5.25
43	MP3B	X	3.573	.25
44	MP3B	Z	-6.189	.25
45	MP3B	Mx	.002	.25
46	MP3B	X	3.573	5.25
47	MP3B	Z	-6.189	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP3B	Mx	.002	5.25
49	MP3C	X	4.176	.25
50	MP3C	Z	-7.234	.25
51	MP3C	Mx	.005	.25
52	MP3C	X	4.176	5.25
53	MP3C	Z	-7.234	5.25
54	MP3C	Mx	.005	5.25
55	MP3A	X	3.664	.25
56	MP3A	Z	-6.346	.25
57	MP3A	Mx	-.001	.25
58	MP3A	X	3.664	5.25
59	MP3A	Z	-6.346	5.25
60	MP3A	Mx	-.001	5.25
61	MP3B	X	3.573	.25
62	MP3B	Z	-6.189	.25
63	MP3B	Mx	.005	.25
64	MP3B	X	3.573	5.25
65	MP3B	Z	-6.189	5.25
66	MP3B	Mx	.005	5.25
67	MP3C	X	4.176	.25
68	MP3C	Z	-7.234	.25
69	MP3C	Mx	-.005	.25
70	MP3C	X	4.176	5.25
71	MP3C	Z	-7.234	5.25
72	MP3C	Mx	-.005	5.25
73	MP4A	X	.566	2.75
74	MP4A	Z	-.98	2.75
75	MP4A	Mx	-.00049	2.75
76	MP4B	X	.504	2.75
77	MP4B	Z	-.872	2.75
78	MP4B	Mx	.000473	2.75
79	MP4C	X	.914	2.75
80	MP4C	Z	-1.584	2.75
81	MP4C	Mx	0	2.75
82	MP2A	X	1.443	2.75
83	MP2A	Z	-2.5	2.75
84	MP2A	Mx	.001	2.75
85	MP2B	X	1.359	2.75
86	MP2B	Z	-2.353	2.75
87	MP2B	Mx	-.001	2.75
88	MP2C	X	1.921	2.75
89	MP2C	Z	-3.328	2.75
90	MP2C	Mx	0	2.75
91	MP4A	X	1.26	1
92	MP4A	Z	-2.183	1
93	MP4A	Mx	.001	1
94	MP4B	X	1.143	1
95	MP4B	Z	-1.98	1
96	MP4B	Mx	-.001	1
97	MP4C	X	1.921	1
98	MP4C	Z	-3.328	1
99	MP4C	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
100	MP2B	X	1.008	2
101	MP2B	Z	-1.746	2
102	MP2B	Mx	.000947	2
103	MP2B	X	1.008	3.5
104	MP2B	Z	-1.746	3.5
105	MP2B	Mx	.000947	3.5
106	MP2C	X	2.209	2
107	MP2C	Z	-3.826	2
108	MP2C	Mx	0	2
109	MP2C	X	2.209	3.5
110	MP2C	Z	-3.826	3.5
111	MP2C	Mx	0	3.5
112	MP2A	X	1.189	2
113	MP2A	Z	-2.06	2
114	MP2A	Mx	-.001	2
115	MP2A	X	1.189	3.5
116	MP2A	Z	-2.06	3.5
117	MP2A	Mx	-.001	3.5
118	M44	X	1.668	.5
119	M44	Z	-2.889	.5
120	M44	Mx	0	.5
121	M46	X	1.668	.5
122	M46	Z	-2.889	.5
123	M46	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	3.539	1.5
2	MP1A	Z	-2.043	1.5
3	MP1A	Mx	-.002	1.5
4	MP1A	X	3.539	4.5
5	MP1A	Z	-2.043	4.5
6	MP1A	Mx	-.002	4.5
7	MP1B	X	4.775	1.5
8	MP1B	Z	-2.757	1.5
9	MP1B	Mx	.001	1.5
10	MP1B	X	4.775	4.5
11	MP1B	Z	-2.757	4.5
12	MP1B	Mx	.001	4.5
13	MP1C	X	4.775	1.5
14	MP1C	Z	-2.757	1.5
15	MP1C	Mx	.001	1.5
16	MP1C	X	4.775	4.5
17	MP1C	Z	-2.757	4.5
18	MP1C	Mx	.001	4.5
19	MP5A	X	3.539	1.5
20	MP5A	Z	-2.043	1.5
21	MP5A	Mx	-.002	1.5
22	MP5A	X	3.539	4.5
23	MP5A	Z	-2.043	4.5
24	MP5A	Mx	-.002	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP5B	X	4.775	1.5
26	MP5B	Z	-2.757	1.5
27	MP5B	Mx	.001	1.5
28	MP5B	X	4.775	4.5
29	MP5B	Z	-2.757	4.5
30	MP5B	Mx	.001	4.5
31	MP5C	X	4.775	1.5
32	MP5C	Z	-2.757	1.5
33	MP5C	Mx	.001	1.5
34	MP5C	X	4.775	4.5
35	MP5C	Z	-2.757	4.5
36	MP5C	Mx	.001	4.5
37	MP3A	X	6.05	.25
38	MP3A	Z	-3.493	.25
39	MP3A	Mx	-.003	.25
40	MP3A	X	6.05	5.25
41	MP3A	Z	-3.493	5.25
42	MP3A	Mx	-.003	5.25
43	MP3B	X	6.745	.25
44	MP3B	Z	-3.894	.25
45	MP3B	Mx	-.000977	.25
46	MP3B	X	6.745	5.25
47	MP3B	Z	-3.894	5.25
48	MP3B	Mx	-.000977	5.25
49	MP3C	X	6.938	.25
50	MP3C	Z	-4.005	.25
51	MP3C	Mx	.006	.25
52	MP3C	X	6.938	5.25
53	MP3C	Z	-4.005	5.25
54	MP3C	Mx	.006	5.25
55	MP3A	X	6.05	.25
56	MP3A	Z	-3.493	.25
57	MP3A	Mx	-.003	.25
58	MP3A	X	6.05	5.25
59	MP3A	Z	-3.493	5.25
60	MP3A	Mx	-.003	5.25
61	MP3B	X	6.745	.25
62	MP3B	Z	-3.894	.25
63	MP3B	Mx	.006	.25
64	MP3B	X	6.745	5.25
65	MP3B	Z	-3.894	5.25
66	MP3B	Mx	.006	5.25
67	MP3C	X	6.938	.25
68	MP3C	Z	-4.005	.25
69	MP3C	Mx	-.002	.25
70	MP3C	X	6.938	5.25
71	MP3C	Z	-4.005	5.25
72	MP3C	Mx	-.002	5.25
73	MP4A	X	.778	2.75
74	MP4A	Z	-.449	2.75
75	MP4A	Mx	-.000449	2.75
76	MP4B	X	1.251	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP4B	Z	-.722	2.75
78	MP4B	Mx	.000464	2.75
79	MP4C	X	1.382	2.75
80	MP4C	Z	-.798	2.75
81	MP4C	Mx	.000399	2.75
82	MP2A	X	2.224	2.75
83	MP2A	Z	-1.284	2.75
84	MP2A	Mx	.001	2.75
85	MP2B	X	2.872	2.75
86	MP2B	Z	-1.658	2.75
87	MP2B	Mx	-.001	2.75
88	MP2C	X	3.052	2.75
89	MP2C	Z	-1.762	2.75
90	MP2C	Mx	-.000881	2.75
91	MP4A	X	1.802	1
92	MP4A	Z	-1.04	1
93	MP4A	Mx	.001	1
94	MP4B	X	2.697	1
95	MP4B	Z	-1.557	1
96	MP4B	Mx	-.001	1
97	MP4C	X	2.946	1
98	MP4C	Z	-1.701	1
99	MP4C	Mx	-.00085	1
100	MP2B	X	2.853	2
101	MP2B	Z	-1.647	2
102	MP2B	Mx	.001	2
103	MP2B	X	2.853	3.5
104	MP2B	Z	-1.647	3.5
105	MP2B	Mx	.001	3.5
106	MP2C	X	3.237	2
107	MP2C	Z	-1.869	2
108	MP2C	Mx	.000934	2
109	MP2C	X	3.237	3.5
110	MP2C	Z	-1.869	3.5
111	MP2C	Mx	.000934	3.5
112	MP2A	X	1.471	2
113	MP2A	Z	-.849	2
114	MP2A	Mx	-.000849	2
115	MP2A	X	1.471	3.5
116	MP2A	Z	-.849	3.5
117	MP2A	Mx	-.000849	3.5
118	M44	X	3.279	.5
119	M44	Z	-1.893	.5
120	M44	Mx	0	.5
121	M46	X	3.279	.5
122	M46	Z	-1.893	.5
123	M46	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	4.562	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP1A	Z	0	1.5
3	MP1A	Mx	-.002	1.5
4	MP1A	X	4.562	4.5
5	MP1A	Z	0	4.5
6	MP1A	Mx	-.002	4.5
7	MP1B	X	5.99	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	0	1.5
10	MP1B	X	5.99	4.5
11	MP1B	Z	0	4.5
12	MP1B	Mx	0	4.5
13	MP1C	X	4.562	1.5
14	MP1C	Z	0	1.5
15	MP1C	Mx	.002	1.5
16	MP1C	X	4.562	4.5
17	MP1C	Z	0	4.5
18	MP1C	Mx	.002	4.5
19	MP5A	X	4.562	1.5
20	MP5A	Z	0	1.5
21	MP5A	Mx	-.002	1.5
22	MP5A	X	4.562	4.5
23	MP5A	Z	0	4.5
24	MP5A	Mx	-.002	4.5
25	MP5B	X	5.99	1.5
26	MP5B	Z	0	1.5
27	MP5B	Mx	0	1.5
28	MP5B	X	5.99	4.5
29	MP5B	Z	0	4.5
30	MP5B	Mx	0	4.5
31	MP5C	X	4.562	1.5
32	MP5C	Z	0	1.5
33	MP5C	Mx	.002	1.5
34	MP5C	X	4.562	4.5
35	MP5C	Z	0	4.5
36	MP5C	Mx	.002	4.5
37	MP3A	X	7.328	.25
38	MP3A	Z	0	.25
39	MP3A	Mx	-.001	.25
40	MP3A	X	7.328	5.25
41	MP3A	Z	0	5.25
42	MP3A	Mx	-.001	5.25
43	MP3B	X	8.311	.25
44	MP3B	Z	0	.25
45	MP3B	Mx	-.004	.25
46	MP3B	X	8.311	5.25
47	MP3B	Z	0	5.25
48	MP3B	Mx	-.004	5.25
49	MP3C	X	7.328	.25
50	MP3C	Z	0	.25
51	MP3C	Mx	.005	.25
52	MP3C	X	7.328	5.25
53	MP3C	Z	0	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
54	MP3C	Mx	.005	5.25
55	MP3A	X	7.328	.25
56	MP3A	Z	0	.25
57	MP3A	Mx	-.005	.25
58	MP3A	X	7.328	5.25
59	MP3A	Z	0	5.25
60	MP3A	Mx	-.005	5.25
61	MP3B	X	8.311	.25
62	MP3B	Z	0	.25
63	MP3B	Mx	.005	.25
64	MP3B	X	8.311	5.25
65	MP3B	Z	0	5.25
66	MP3B	Mx	.005	5.25
67	MP3C	X	7.328	.25
68	MP3C	Z	0	.25
69	MP3C	Mx	.001	.25
70	MP3C	X	7.328	5.25
71	MP3C	Z	0	5.25
72	MP3C	Mx	.001	5.25
73	MP4A	X	1.131	2.75
74	MP4A	Z	0	2.75
75	MP4A	Mx	-.00049	2.75
76	MP4B	X	1.801	2.75
77	MP4B	Z	0	2.75
78	MP4B	Mx	.000156	2.75
79	MP4C	X	1.131	2.75
80	MP4C	Z	0	2.75
81	MP4C	Mx	.00049	2.75
82	MP2A	X	2.887	2.75
83	MP2A	Z	0	2.75
84	MP2A	Mx	.001	2.75
85	MP2B	X	3.804	2.75
86	MP2B	Z	0	2.75
87	MP2B	Mx	-.00033	2.75
88	MP2C	X	2.887	2.75
89	MP2C	Z	0	2.75
90	MP2C	Mx	-.001	2.75
91	MP4A	X	2.521	1
92	MP4A	Z	0	1
93	MP4A	Mx	.001	1
94	MP4B	X	3.789	1
95	MP4B	Z	0	1
96	MP4B	Mx	-.000329	1
97	MP4C	X	2.521	1
98	MP4C	Z	0	1
99	MP4C	Mx	-.001	1
100	MP2B	X	4.336	2
101	MP2B	Z	0	2
102	MP2B	Mx	.000376	2
103	MP2B	X	4.336	3.5
104	MP2B	Z	0	3.5
105	MP2B	Mx	.000376	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
106	MP2C	X	2.378	2
107	MP2C	Z	0	2
108	MP2C	Mx	.001	2
109	MP2C	X	2.378	3.5
110	MP2C	Z	0	3.5
111	MP2C	Mx	.001	3.5
112	MP2A	X	2.378	2
113	MP2A	Z	0	2
114	MP2A	Mx	-.001	2
115	MP2A	X	2.378	3.5
116	MP2A	Z	0	3.5
117	MP2A	Mx	-.001	3.5
118	M44	X	4.687	.5
119	M44	Z	0	.5
120	M44	Mx	0	.5
121	M46	X	4.687	.5
122	M46	Z	0	.5
123	M46	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	4.775	1.5
2	MP1A	Z	2.757	1.5
3	MP1A	Mx	-.001	1.5
4	MP1A	X	4.775	4.5
5	MP1A	Z	2.757	4.5
6	MP1A	Mx	-.001	4.5
7	MP1B	X	4.775	1.5
8	MP1B	Z	2.757	1.5
9	MP1B	Mx	-.001	1.5
10	MP1B	X	4.775	4.5
11	MP1B	Z	2.757	4.5
12	MP1B	Mx	-.001	4.5
13	MP1C	X	3.539	1.5
14	MP1C	Z	2.043	1.5
15	MP1C	Mx	.002	1.5
16	MP1C	X	3.539	4.5
17	MP1C	Z	2.043	4.5
18	MP1C	Mx	.002	4.5
19	MP5A	X	4.775	1.5
20	MP5A	Z	2.757	1.5
21	MP5A	Mx	-.001	1.5
22	MP5A	X	4.775	4.5
23	MP5A	Z	2.757	4.5
24	MP5A	Mx	-.001	4.5
25	MP5B	X	4.775	1.5
26	MP5B	Z	2.757	1.5
27	MP5B	Mx	-.001	1.5
28	MP5B	X	4.775	4.5
29	MP5B	Z	2.757	4.5
30	MP5B	Mx	-.001	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP5C	X	3.539	1.5
32	MP5C	Z	2.043	1.5
33	MP5C	Mx	.002	1.5
34	MP5C	X	3.539	4.5
35	MP5C	Z	2.043	4.5
36	MP5C	Mx	.002	4.5
37	MP3A	X	6.938	.25
38	MP3A	Z	4.005	.25
39	MP3A	Mx	.002	.25
40	MP3A	X	6.938	5.25
41	MP3A	Z	4.005	5.25
42	MP3A	Mx	.002	5.25
43	MP3B	X	7.095	.25
44	MP3B	Z	4.096	.25
45	MP3B	Mx	-.006	.25
46	MP3B	X	7.095	5.25
47	MP3B	Z	4.096	5.25
48	MP3B	Mx	-.006	5.25
49	MP3C	X	6.05	.25
50	MP3C	Z	3.493	.25
51	MP3C	Mx	.003	.25
52	MP3C	X	6.05	5.25
53	MP3C	Z	3.493	5.25
54	MP3C	Mx	.003	5.25
55	MP3A	X	6.938	.25
56	MP3A	Z	4.005	.25
57	MP3A	Mx	-.006	.25
58	MP3A	X	6.938	5.25
59	MP3A	Z	4.005	5.25
60	MP3A	Mx	-.006	5.25
61	MP3B	X	7.095	.25
62	MP3B	Z	4.096	.25
63	MP3B	Mx	.003	.25
64	MP3B	X	7.095	5.25
65	MP3B	Z	4.096	5.25
66	MP3B	Mx	.003	5.25
67	MP3C	X	6.05	.25
68	MP3C	Z	3.493	.25
69	MP3C	Mx	.003	.25
70	MP3C	X	6.05	5.25
71	MP3C	Z	3.493	5.25
72	MP3C	Mx	.003	5.25
73	MP4A	X	1.382	2.75
74	MP4A	Z	.798	2.75
75	MP4A	Mx	-.000399	2.75
76	MP4B	X	1.49	2.75
77	MP4B	Z	.86	2.75
78	MP4B	Mx	-.000294	2.75
79	MP4C	X	.778	2.75
80	MP4C	Z	.449	2.75
81	MP4C	Mx	.000449	2.75
82	MP2A	X	3.052	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP2A	Z	1.762	2.75
84	MP2A	Mx	.000881	2.75
85	MP2B	X	3.199	2.75
86	MP2B	Z	1.847	2.75
87	MP2B	Mx	.000632	2.75
88	MP2C	X	2.224	2.75
89	MP2C	Z	1.284	2.75
90	MP2C	Mx	-.001	2.75
91	MP4A	X	2.946	1
92	MP4A	Z	1.701	1
93	MP4A	Mx	.00085	1
94	MP4B	X	3.149	1
95	MP4B	Z	1.818	1
96	MP4B	Mx	.000622	1
97	MP4C	X	1.802	1
98	MP4C	Z	1.04	1
99	MP4C	Mx	-.001	1
100	MP2B	X	3.55	2
101	MP2B	Z	2.05	2
102	MP2B	Mx	-.000701	2
103	MP2B	X	3.55	3.5
104	MP2B	Z	2.05	3.5
105	MP2B	Mx	-.000701	3.5
106	MP2C	X	1.471	2
107	MP2C	Z	.849	2
108	MP2C	Mx	.000849	2
109	MP2C	X	1.471	3.5
110	MP2C	Z	.849	3.5
111	MP2C	Mx	.000849	3.5
112	MP2A	X	3.237	2
113	MP2A	Z	1.869	2
114	MP2A	Mx	-.000934	2
115	MP2A	X	3.237	3.5
116	MP2A	Z	1.869	3.5
117	MP2A	Mx	-.000934	3.5
118	M44	X	4.449	.5
119	M44	Z	2.568	.5
120	M44	Mx	0	.5
121	M46	X	4.449	.5
122	M46	Z	2.568	.5
123	M46	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	2.995	1.5
2	MP1A	Z	5.187	1.5
3	MP1A	Mx	0	1.5
4	MP1A	X	2.995	4.5
5	MP1A	Z	5.187	4.5
6	MP1A	Mx	0	4.5
7	MP1B	X	2.281	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP1B	Z	3.951	1.5
9	MP1B	Mx	-.002	1.5
10	MP1B	X	2.281	4.5
11	MP1B	Z	3.951	4.5
12	MP1B	Mx	-.002	4.5
13	MP1C	X	2.281	1.5
14	MP1C	Z	3.951	1.5
15	MP1C	Mx	.002	1.5
16	MP1C	X	2.281	4.5
17	MP1C	Z	3.951	4.5
18	MP1C	Mx	.002	4.5
19	MP5A	X	2.995	1.5
20	MP5A	Z	5.187	1.5
21	MP5A	Mx	0	1.5
22	MP5A	X	2.995	4.5
23	MP5A	Z	5.187	4.5
24	MP5A	Mx	0	4.5
25	MP5B	X	2.281	1.5
26	MP5B	Z	3.951	1.5
27	MP5B	Mx	-.002	1.5
28	MP5B	X	2.281	4.5
29	MP5B	Z	3.951	4.5
30	MP5B	Mx	-.002	4.5
31	MP5C	X	2.281	1.5
32	MP5C	Z	3.951	1.5
33	MP5C	Mx	.002	1.5
34	MP5C	X	2.281	4.5
35	MP5C	Z	3.951	4.5
36	MP5C	Mx	.002	4.5
37	MP3A	X	4.176	.25
38	MP3A	Z	7.234	.25
39	MP3A	Mx	.005	.25
40	MP3A	X	4.176	5.25
41	MP3A	Z	7.234	5.25
42	MP3A	Mx	.005	5.25
43	MP3B	X	3.775	.25
44	MP3B	Z	6.539	.25
45	MP3B	Mx	-.006	.25
46	MP3B	X	3.775	5.25
47	MP3B	Z	6.539	5.25
48	MP3B	Mx	-.006	5.25
49	MP3C	X	3.664	.25
50	MP3C	Z	6.346	.25
51	MP3C	Mx	.001	.25
52	MP3C	X	3.664	5.25
53	MP3C	Z	6.346	5.25
54	MP3C	Mx	.001	5.25
55	MP3A	X	4.176	.25
56	MP3A	Z	7.234	.25
57	MP3A	Mx	-.005	.25
58	MP3A	X	4.176	5.25
59	MP3A	Z	7.234	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP3A	Mx	-.005	5.25
61	MP3B	X	3.775	.25
62	MP3B	Z	6.539	.25
63	MP3B	Mx	-6.1e-5	.25
64	MP3B	X	3.775	5.25
65	MP3B	Z	6.539	5.25
66	MP3B	Mx	-6.1e-5	5.25
67	MP3C	X	3.664	.25
68	MP3C	Z	6.346	.25
69	MP3C	Mx	.005	.25
70	MP3C	X	3.664	5.25
71	MP3C	Z	6.346	5.25
72	MP3C	Mx	.005	5.25
73	MP4A	X	.914	2.75
74	MP4A	Z	1.584	2.75
75	MP4A	Mx	0	2.75
76	MP4B	X	.641	2.75
77	MP4B	Z	1.111	2.75
78	MP4B	Mx	-.000491	2.75
79	MP4C	X	.566	2.75
80	MP4C	Z	.98	2.75
81	MP4C	Mx	.00049	2.75
82	MP2A	X	1.921	2.75
83	MP2A	Z	3.328	2.75
84	MP2A	Mx	0	2.75
85	MP2B	X	1.547	2.75
86	MP2B	Z	2.68	2.75
87	MP2B	Mx	.001	2.75
88	MP2C	X	1.443	2.75
89	MP2C	Z	2.5	2.75
90	MP2C	Mx	-.001	2.75
91	MP4A	X	1.921	1
92	MP4A	Z	3.328	1
93	MP4A	Mx	0	1
94	MP4B	X	1.404	1
95	MP4B	Z	2.432	1
96	MP4B	Mx	.001	1
97	MP4C	X	1.26	1
98	MP4C	Z	2.183	1
99	MP4C	Mx	-.001	1
100	MP2B	X	1.411	2
101	MP2B	Z	2.444	2
102	MP2B	Mx	-.001	2
103	MP2B	X	1.411	3.5
104	MP2B	Z	2.444	3.5
105	MP2B	Mx	-.001	3.5
106	MP2C	X	1.189	2
107	MP2C	Z	2.06	2
108	MP2C	Mx	.001	2
109	MP2C	X	1.189	3.5
110	MP2C	Z	2.06	3.5
111	MP2C	Mx	.001	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
112	MP2A	X	2.209	2
113	MP2A	Z	3.826	2
114	MP2A	Mx	0	2
115	MP2A	X	2.209	3.5
116	MP2A	Z	3.826	3.5
117	MP2A	Mx	0	3.5
118	M44	X	2.343	.5
119	M44	Z	4.059	.5
120	M44	Mx	0	.5
121	M46	X	2.343	.5
122	M46	Z	4.059	.5
123	M46	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	5.514	1.5
3	MP1A	Mx	.001	1.5
4	MP1A	X	0	4.5
5	MP1A	Z	5.514	4.5
6	MP1A	Mx	.001	4.5
7	MP1B	X	0	1.5
8	MP1B	Z	4.087	1.5
9	MP1B	Mx	-.002	1.5
10	MP1B	X	0	4.5
11	MP1B	Z	4.087	4.5
12	MP1B	Mx	-.002	4.5
13	MP1C	X	0	1.5
14	MP1C	Z	5.514	1.5
15	MP1C	Mx	.001	1.5
16	MP1C	X	0	4.5
17	MP1C	Z	5.514	4.5
18	MP1C	Mx	.001	4.5
19	MP5A	X	0	1.5
20	MP5A	Z	5.514	1.5
21	MP5A	Mx	.001	1.5
22	MP5A	X	0	4.5
23	MP5A	Z	5.514	4.5
24	MP5A	Mx	.001	4.5
25	MP5B	X	0	1.5
26	MP5B	Z	4.087	1.5
27	MP5B	Mx	-.002	1.5
28	MP5B	X	0	4.5
29	MP5B	Z	4.087	4.5
30	MP5B	Mx	-.002	4.5
31	MP5C	X	0	1.5
32	MP5C	Z	5.514	1.5
33	MP5C	Mx	.001	1.5
34	MP5C	X	0	4.5
35	MP5C	Z	5.514	4.5
36	MP5C	Mx	.001	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP3A	X	0	.25
38	MP3A	Z	8.011	.25
39	MP3A	Mx	.006	.25
40	MP3A	X	0	5.25
41	MP3A	Z	8.011	5.25
42	MP3A	Mx	.006	5.25
43	MP3B	X	0	.25
44	MP3B	Z	7.027	.25
45	MP3B	Mx	-.004	.25
46	MP3B	X	0	5.25
47	MP3B	Z	7.027	5.25
48	MP3B	Mx	-.004	5.25
49	MP3C	X	0	.25
50	MP3C	Z	8.011	.25
51	MP3C	Mx	-.002	.25
52	MP3C	X	0	5.25
53	MP3C	Z	8.011	5.25
54	MP3C	Mx	-.002	5.25
55	MP3A	X	0	.25
56	MP3A	Z	8.011	.25
57	MP3A	Mx	-.002	.25
58	MP3A	X	0	5.25
59	MP3A	Z	8.011	5.25
60	MP3A	Mx	-.002	5.25
61	MP3B	X	0	.25
62	MP3B	Z	7.027	.25
63	MP3B	Mx	-.003	.25
64	MP3B	X	0	5.25
65	MP3B	Z	7.027	5.25
66	MP3B	Mx	-.003	5.25
67	MP3C	X	0	.25
68	MP3C	Z	8.011	.25
69	MP3C	Mx	.006	.25
70	MP3C	X	0	5.25
71	MP3C	Z	8.011	5.25
72	MP3C	Mx	.006	5.25
73	MP4A	X	0	2.75
74	MP4A	Z	1.596	2.75
75	MP4A	Mx	.000399	2.75
76	MP4B	X	0	2.75
77	MP4B	Z	.927	2.75
78	MP4B	Mx	-.000456	2.75
79	MP4C	X	0	2.75
80	MP4C	Z	1.596	2.75
81	MP4C	Mx	.000399	2.75
82	MP2A	X	0	2.75
83	MP2A	Z	3.524	2.75
84	MP2A	Mx	-.000881	2.75
85	MP2B	X	0	2.75
86	MP2B	Z	2.607	2.75
87	MP2B	Mx	.001	2.75
88	MP2C	X	0	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP2C	Z	3.524	2.75
90	MP2C	Mx	-.000881	2.75
91	MP4A	X	0	1
92	MP4A	Z	3.402	1
93	MP4A	Mx	-.00085	1
94	MP4B	X	0	1
95	MP4B	Z	2.134	1
96	MP4B	Mx	.001	1
97	MP4C	X	0	1
98	MP4C	Z	3.402	1
99	MP4C	Mx	-.00085	1
100	MP2B	X	0	2
101	MP2B	Z	1.78	2
102	MP2B	Mx	-.000876	2
103	MP2B	X	0	3.5
104	MP2B	Z	1.78	3.5
105	MP2B	Mx	-.000876	3.5
106	MP2C	X	0	2
107	MP2C	Z	3.738	2
108	MP2C	Mx	.000934	2
109	MP2C	X	0	3.5
110	MP2C	Z	3.738	3.5
111	MP2C	Mx	.000934	3.5
112	MP2A	X	0	2
113	MP2A	Z	3.738	2
114	MP2A	Mx	.000934	2
115	MP2A	X	0	3.5
116	MP2A	Z	3.738	3.5
117	MP2A	Mx	.000934	3.5
118	M44	X	0	.5
119	M44	Z	3.786	.5
120	M44	Mx	0	.5
121	M46	X	0	.5
122	M46	Z	3.786	.5
123	M46	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-2.281	1.5
2	MP1A	Z	3.951	1.5
3	MP1A	Mx	.002	1.5
4	MP1A	X	-2.281	4.5
5	MP1A	Z	3.951	4.5
6	MP1A	Mx	.002	4.5
7	MP1B	X	-2.281	1.5
8	MP1B	Z	3.951	1.5
9	MP1B	Mx	-.002	1.5
10	MP1B	X	-2.281	4.5
11	MP1B	Z	3.951	4.5
12	MP1B	Mx	-.002	4.5
13	MP1C	X	-2.995	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
14	MP1C	Z	5.187	1.5
15	MP1C	Mx	0	1.5
16	MP1C	X	-2.995	4.5
17	MP1C	Z	5.187	4.5
18	MP1C	Mx	0	4.5
19	MP5A	X	-2.281	1.5
20	MP5A	Z	3.951	1.5
21	MP5A	Mx	.002	1.5
22	MP5A	X	-2.281	4.5
23	MP5A	Z	3.951	4.5
24	MP5A	Mx	.002	4.5
25	MP5B	X	-2.281	1.5
26	MP5B	Z	3.951	1.5
27	MP5B	Mx	-.002	1.5
28	MP5B	X	-2.281	4.5
29	MP5B	Z	3.951	4.5
30	MP5B	Mx	-.002	4.5
31	MP5C	X	-2.995	1.5
32	MP5C	Z	5.187	1.5
33	MP5C	Mx	0	1.5
34	MP5C	X	-2.995	4.5
35	MP5C	Z	5.187	4.5
36	MP5C	Mx	0	4.5
37	MP3A	X	-3.664	.25
38	MP3A	Z	6.346	.25
39	MP3A	Mx	.005	.25
40	MP3A	X	-3.664	5.25
41	MP3A	Z	6.346	5.25
42	MP3A	Mx	.005	5.25
43	MP3B	X	-3.573	.25
44	MP3B	Z	6.189	.25
45	MP3B	Mx	-.002	.25
46	MP3B	X	-3.573	5.25
47	MP3B	Z	6.189	5.25
48	MP3B	Mx	-.002	5.25
49	MP3C	X	-4.176	.25
50	MP3C	Z	7.234	.25
51	MP3C	Mx	-.005	.25
52	MP3C	X	-4.176	5.25
53	MP3C	Z	7.234	5.25
54	MP3C	Mx	-.005	5.25
55	MP3A	X	-3.664	.25
56	MP3A	Z	6.346	.25
57	MP3A	Mx	.001	.25
58	MP3A	X	-3.664	5.25
59	MP3A	Z	6.346	5.25
60	MP3A	Mx	.001	5.25
61	MP3B	X	-3.573	.25
62	MP3B	Z	6.189	.25
63	MP3B	Mx	-.005	.25
64	MP3B	X	-3.573	5.25
65	MP3B	Z	6.189	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP3B	Mx	-.005	5.25
67	MP3C	X	-4.176	.25
68	MP3C	Z	7.234	.25
69	MP3C	Mx	.005	.25
70	MP3C	X	-4.176	5.25
71	MP3C	Z	7.234	5.25
72	MP3C	Mx	.005	5.25
73	MP4A	X	-.566	2.75
74	MP4A	Z	.98	2.75
75	MP4A	Mx	.00049	2.75
76	MP4B	X	-.504	2.75
77	MP4B	Z	.872	2.75
78	MP4B	Mx	-.000473	2.75
79	MP4C	X	-.914	2.75
80	MP4C	Z	1.584	2.75
81	MP4C	Mx	0	2.75
82	MP2A	X	-1.443	2.75
83	MP2A	Z	2.5	2.75
84	MP2A	Mx	-.001	2.75
85	MP2B	X	-1.359	2.75
86	MP2B	Z	2.353	2.75
87	MP2B	Mx	.001	2.75
88	MP2C	X	-1.921	2.75
89	MP2C	Z	3.328	2.75
90	MP2C	Mx	0	2.75
91	MP4A	X	-1.26	1
92	MP4A	Z	2.183	1
93	MP4A	Mx	-.001	1
94	MP4B	X	-1.143	1
95	MP4B	Z	1.98	1
96	MP4B	Mx	.001	1
97	MP4C	X	-1.921	1
98	MP4C	Z	3.328	1
99	MP4C	Mx	0	1
100	MP2B	X	-1.008	2
101	MP2B	Z	1.746	2
102	MP2B	Mx	-.000947	2
103	MP2B	X	-1.008	3.5
104	MP2B	Z	1.746	3.5
105	MP2B	Mx	-.000947	3.5
106	MP2C	X	-2.209	2
107	MP2C	Z	3.826	2
108	MP2C	Mx	0	2
109	MP2C	X	-2.209	3.5
110	MP2C	Z	3.826	3.5
111	MP2C	Mx	0	3.5
112	MP2A	X	-1.189	2
113	MP2A	Z	2.06	2
114	MP2A	Mx	.001	2
115	MP2A	X	-1.189	3.5
116	MP2A	Z	2.06	3.5
117	MP2A	Mx	.001	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
118	M44	X	-1.668	.5
119	M44	Z	2.889	.5
120	M44	Mx	0	.5
121	M46	X	-1.668	.5
122	M46	Z	2.889	.5
123	M46	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-3.539	1.5
2	MP1A	Z	2.043	1.5
3	MP1A	Mx	.002	1.5
4	MP1A	X	-3.539	4.5
5	MP1A	Z	2.043	4.5
6	MP1A	Mx	.002	4.5
7	MP1B	X	-4.775	1.5
8	MP1B	Z	2.757	1.5
9	MP1B	Mx	-.001	1.5
10	MP1B	X	-4.775	4.5
11	MP1B	Z	2.757	4.5
12	MP1B	Mx	-.001	4.5
13	MP1C	X	-4.775	1.5
14	MP1C	Z	2.757	1.5
15	MP1C	Mx	-.001	1.5
16	MP1C	X	-4.775	4.5
17	MP1C	Z	2.757	4.5
18	MP1C	Mx	-.001	4.5
19	MP5A	X	-3.539	1.5
20	MP5A	Z	2.043	1.5
21	MP5A	Mx	.002	1.5
22	MP5A	X	-3.539	4.5
23	MP5A	Z	2.043	4.5
24	MP5A	Mx	.002	4.5
25	MP5B	X	-4.775	1.5
26	MP5B	Z	2.757	1.5
27	MP5B	Mx	-.001	1.5
28	MP5B	X	-4.775	4.5
29	MP5B	Z	2.757	4.5
30	MP5B	Mx	-.001	4.5
31	MP5C	X	-4.775	1.5
32	MP5C	Z	2.757	1.5
33	MP5C	Mx	-.001	1.5
34	MP5C	X	-4.775	4.5
35	MP5C	Z	2.757	4.5
36	MP5C	Mx	-.001	4.5
37	MP3A	X	-6.05	.25
38	MP3A	Z	3.493	.25
39	MP3A	Mx	.003	.25
40	MP3A	X	-6.05	5.25
41	MP3A	Z	3.493	5.25
42	MP3A	Mx	.003	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP3B	X	-6.745	.25
44	MP3B	Z	3.894	.25
45	MP3B	Mx	.000977	.25
46	MP3B	X	-6.745	5.25
47	MP3B	Z	3.894	5.25
48	MP3B	Mx	.000977	5.25
49	MP3C	X	-6.938	.25
50	MP3C	Z	4.005	.25
51	MP3C	Mx	-.006	.25
52	MP3C	X	-6.938	5.25
53	MP3C	Z	4.005	5.25
54	MP3C	Mx	-.006	5.25
55	MP3A	X	-6.05	.25
56	MP3A	Z	3.493	.25
57	MP3A	Mx	.003	.25
58	MP3A	X	-6.05	5.25
59	MP3A	Z	3.493	5.25
60	MP3A	Mx	.003	5.25
61	MP3B	X	-6.745	.25
62	MP3B	Z	3.894	.25
63	MP3B	Mx	-.006	.25
64	MP3B	X	-6.745	5.25
65	MP3B	Z	3.894	5.25
66	MP3B	Mx	-.006	5.25
67	MP3C	X	-6.938	.25
68	MP3C	Z	4.005	.25
69	MP3C	Mx	.002	.25
70	MP3C	X	-6.938	5.25
71	MP3C	Z	4.005	5.25
72	MP3C	Mx	.002	5.25
73	MP4A	X	-.778	2.75
74	MP4A	Z	.449	2.75
75	MP4A	Mx	.000449	2.75
76	MP4B	X	-1.251	2.75
77	MP4B	Z	.722	2.75
78	MP4B	Mx	-.000464	2.75
79	MP4C	X	-1.382	2.75
80	MP4C	Z	.798	2.75
81	MP4C	Mx	-.000399	2.75
82	MP2A	X	-2.224	2.75
83	MP2A	Z	1.284	2.75
84	MP2A	Mx	-.001	2.75
85	MP2B	X	-2.872	2.75
86	MP2B	Z	1.658	2.75
87	MP2B	Mx	.001	2.75
88	MP2C	X	-3.052	2.75
89	MP2C	Z	1.762	2.75
90	MP2C	Mx	.000881	2.75
91	MP4A	X	-1.802	1
92	MP4A	Z	1.04	1
93	MP4A	Mx	-.001	1
94	MP4B	X	-2.697	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP4B	Z	1.557	1
96	MP4B	Mx	.001	1
97	MP4C	X	-2.946	1
98	MP4C	Z	1.701	1
99	MP4C	Mx	.00085	1
100	MP2B	X	-2.853	2
101	MP2B	Z	1.647	2
102	MP2B	Mx	-.001	2
103	MP2B	X	-2.853	3.5
104	MP2B	Z	1.647	3.5
105	MP2B	Mx	-.001	3.5
106	MP2C	X	-3.237	2
107	MP2C	Z	1.869	2
108	MP2C	Mx	-.000934	2
109	MP2C	X	-3.237	3.5
110	MP2C	Z	1.869	3.5
111	MP2C	Mx	-.000934	3.5
112	MP2A	X	-1.471	2
113	MP2A	Z	.849	2
114	MP2A	Mx	.000849	2
115	MP2A	X	-1.471	3.5
116	MP2A	Z	.849	3.5
117	MP2A	Mx	.000849	3.5
118	M44	X	-3.279	.5
119	M44	Z	1.893	.5
120	M44	Mx	0	.5
121	M46	X	-3.279	.5
122	M46	Z	1.893	.5
123	M46	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-4.562	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	.002	1.5
4	MP1A	X	-4.562	4.5
5	MP1A	Z	0	4.5
6	MP1A	Mx	.002	4.5
7	MP1B	X	-5.99	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	0	1.5
10	MP1B	X	-5.99	4.5
11	MP1B	Z	0	4.5
12	MP1B	Mx	0	4.5
13	MP1C	X	-4.562	1.5
14	MP1C	Z	0	1.5
15	MP1C	Mx	-.002	1.5
16	MP1C	X	-4.562	4.5
17	MP1C	Z	0	4.5
18	MP1C	Mx	-.002	4.5
19	MP5A	X	-4.562	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
20	MP5A	Z	0	1.5
21	MP5A	Mx	.002	1.5
22	MP5A	X	-4.562	4.5
23	MP5A	Z	0	4.5
24	MP5A	Mx	.002	4.5
25	MP5B	X	-5.99	1.5
26	MP5B	Z	0	1.5
27	MP5B	Mx	0	1.5
28	MP5B	X	-5.99	4.5
29	MP5B	Z	0	4.5
30	MP5B	Mx	0	4.5
31	MP5C	X	-4.562	1.5
32	MP5C	Z	0	1.5
33	MP5C	Mx	-.002	1.5
34	MP5C	X	-4.562	4.5
35	MP5C	Z	0	4.5
36	MP5C	Mx	-.002	4.5
37	MP3A	X	-7.328	.25
38	MP3A	Z	0	.25
39	MP3A	Mx	.001	.25
40	MP3A	X	-7.328	5.25
41	MP3A	Z	0	5.25
42	MP3A	Mx	.001	5.25
43	MP3B	X	-8.311	.25
44	MP3B	Z	0	.25
45	MP3B	Mx	.004	.25
46	MP3B	X	-8.311	5.25
47	MP3B	Z	0	5.25
48	MP3B	Mx	.004	5.25
49	MP3C	X	-7.328	.25
50	MP3C	Z	0	.25
51	MP3C	Mx	-.005	.25
52	MP3C	X	-7.328	5.25
53	MP3C	Z	0	5.25
54	MP3C	Mx	-.005	5.25
55	MP3A	X	-7.328	.25
56	MP3A	Z	0	.25
57	MP3A	Mx	.005	.25
58	MP3A	X	-7.328	5.25
59	MP3A	Z	0	5.25
60	MP3A	Mx	.005	5.25
61	MP3B	X	-8.311	.25
62	MP3B	Z	0	.25
63	MP3B	Mx	-.005	.25
64	MP3B	X	-8.311	5.25
65	MP3B	Z	0	5.25
66	MP3B	Mx	-.005	5.25
67	MP3C	X	-7.328	.25
68	MP3C	Z	0	.25
69	MP3C	Mx	-.001	.25
70	MP3C	X	-7.328	5.25
71	MP3C	Z	0	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP3C	Mx	-.001	5.25
73	MP4A	X	-1.131	2.75
74	MP4A	Z	0	2.75
75	MP4A	Mx	.00049	2.75
76	MP4B	X	-1.801	2.75
77	MP4B	Z	0	2.75
78	MP4B	Mx	-.000156	2.75
79	MP4C	X	-1.131	2.75
80	MP4C	Z	0	2.75
81	MP4C	Mx	-.00049	2.75
82	MP2A	X	-2.887	2.75
83	MP2A	Z	0	2.75
84	MP2A	Mx	-.001	2.75
85	MP2B	X	-3.804	2.75
86	MP2B	Z	0	2.75
87	MP2B	Mx	.00033	2.75
88	MP2C	X	-2.887	2.75
89	MP2C	Z	0	2.75
90	MP2C	Mx	.001	2.75
91	MP4A	X	-2.521	1
92	MP4A	Z	0	1
93	MP4A	Mx	-.001	1
94	MP4B	X	-3.789	1
95	MP4B	Z	0	1
96	MP4B	Mx	.000329	1
97	MP4C	X	-2.521	1
98	MP4C	Z	0	1
99	MP4C	Mx	.001	1
100	MP2B	X	-4.336	2
101	MP2B	Z	0	2
102	MP2B	Mx	-.000376	2
103	MP2B	X	-4.336	3.5
104	MP2B	Z	0	3.5
105	MP2B	Mx	-.000376	3.5
106	MP2C	X	-2.378	2
107	MP2C	Z	0	2
108	MP2C	Mx	-.001	2
109	MP2C	X	-2.378	3.5
110	MP2C	Z	0	3.5
111	MP2C	Mx	-.001	3.5
112	MP2A	X	-2.378	2
113	MP2A	Z	0	2
114	MP2A	Mx	.001	2
115	MP2A	X	-2.378	3.5
116	MP2A	Z	0	3.5
117	MP2A	Mx	.001	3.5
118	M44	X	-4.687	.5
119	M44	Z	0	.5
120	M44	Mx	0	.5
121	M46	X	-4.687	.5
122	M46	Z	0	.5
123	M46	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-4.775	1.5
2	MP1A	Z	-2.757	1.5
3	MP1A	Mx	.001	1.5
4	MP1A	X	-4.775	4.5
5	MP1A	Z	-2.757	4.5
6	MP1A	Mx	.001	4.5
7	MP1B	X	-4.775	1.5
8	MP1B	Z	-2.757	1.5
9	MP1B	Mx	.001	1.5
10	MP1B	X	-4.775	4.5
11	MP1B	Z	-2.757	4.5
12	MP1B	Mx	.001	4.5
13	MP1C	X	-3.539	1.5
14	MP1C	Z	-2.043	1.5
15	MP1C	Mx	-.002	1.5
16	MP1C	X	-3.539	4.5
17	MP1C	Z	-2.043	4.5
18	MP1C	Mx	-.002	4.5
19	MP5A	X	-4.775	1.5
20	MP5A	Z	-2.757	1.5
21	MP5A	Mx	.001	1.5
22	MP5A	X	-4.775	4.5
23	MP5A	Z	-2.757	4.5
24	MP5A	Mx	.001	4.5
25	MP5B	X	-4.775	1.5
26	MP5B	Z	-2.757	1.5
27	MP5B	Mx	.001	1.5
28	MP5B	X	-4.775	4.5
29	MP5B	Z	-2.757	4.5
30	MP5B	Mx	.001	4.5
31	MP5C	X	-3.539	1.5
32	MP5C	Z	-2.043	1.5
33	MP5C	Mx	-.002	1.5
34	MP5C	X	-3.539	4.5
35	MP5C	Z	-2.043	4.5
36	MP5C	Mx	-.002	4.5
37	MP3A	X	-6.938	.25
38	MP3A	Z	-4.005	.25
39	MP3A	Mx	-.002	.25
40	MP3A	X	-6.938	5.25
41	MP3A	Z	-4.005	5.25
42	MP3A	Mx	-.002	5.25
43	MP3B	X	-7.095	.25
44	MP3B	Z	-4.096	.25
45	MP3B	Mx	.006	.25
46	MP3B	X	-7.095	5.25
47	MP3B	Z	-4.096	5.25
48	MP3B	Mx	.006	5.25
49	MP3C	X	-6.05	.25
50	MP3C	Z	-3.493	.25
51	MP3C	Mx	-.003	.25
52	MP3C	X	-6.05	5.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	-3.493	5.25
54	MP3C	Mx	-.003	5.25
55	MP3A	X	-6.938	.25
56	MP3A	Z	-4.005	.25
57	MP3A	Mx	.006	.25
58	MP3A	X	-6.938	5.25
59	MP3A	Z	-4.005	5.25
60	MP3A	Mx	.006	5.25
61	MP3B	X	-7.095	.25
62	MP3B	Z	-4.096	.25
63	MP3B	Mx	-.003	.25
64	MP3B	X	-7.095	5.25
65	MP3B	Z	-4.096	5.25
66	MP3B	Mx	-.003	5.25
67	MP3C	X	-6.05	.25
68	MP3C	Z	-3.493	.25
69	MP3C	Mx	-.003	.25
70	MP3C	X	-6.05	5.25
71	MP3C	Z	-3.493	5.25
72	MP3C	Mx	-.003	5.25
73	MP4A	X	-1.382	2.75
74	MP4A	Z	-.798	2.75
75	MP4A	Mx	.000399	2.75
76	MP4B	X	-1.49	2.75
77	MP4B	Z	-.86	2.75
78	MP4B	Mx	.000294	2.75
79	MP4C	X	-.778	2.75
80	MP4C	Z	-.449	2.75
81	MP4C	Mx	-.000449	2.75
82	MP2A	X	-3.052	2.75
83	MP2A	Z	-1.762	2.75
84	MP2A	Mx	-.000881	2.75
85	MP2B	X	-3.199	2.75
86	MP2B	Z	-1.847	2.75
87	MP2B	Mx	-.000632	2.75
88	MP2C	X	-2.224	2.75
89	MP2C	Z	-1.284	2.75
90	MP2C	Mx	.001	2.75
91	MP4A	X	-2.946	1
92	MP4A	Z	-1.701	1
93	MP4A	Mx	-.00085	1
94	MP4B	X	-3.149	1
95	MP4B	Z	-1.818	1
96	MP4B	Mx	-.000622	1
97	MP4C	X	-1.802	1
98	MP4C	Z	-1.04	1
99	MP4C	Mx	.001	1
100	MP2B	X	-3.55	2
101	MP2B	Z	-2.05	2
102	MP2B	Mx	.000701	2
103	MP2B	X	-3.55	3.5
104	MP2B	Z	-2.05	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
105	MP2B	Mx	.000701	3.5
106	MP2C	X	-1.471	2
107	MP2C	Z	-.849	2
108	MP2C	Mx	-.000849	2
109	MP2C	X	-1.471	3.5
110	MP2C	Z	-.849	3.5
111	MP2C	Mx	-.000849	3.5
112	MP2A	X	-3.237	2
113	MP2A	Z	-1.869	2
114	MP2A	Mx	.000934	2
115	MP2A	X	-3.237	3.5
116	MP2A	Z	-1.869	3.5
117	MP2A	Mx	.000934	3.5
118	M44	X	-4.449	.5
119	M44	Z	-2.568	.5
120	M44	Mx	0	.5
121	M46	X	-4.449	.5
122	M46	Z	-2.568	.5
123	M46	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-2.995	1.5
2	MP1A	Z	-5.187	1.5
3	MP1A	Mx	0	1.5
4	MP1A	X	-2.995	4.5
5	MP1A	Z	-5.187	4.5
6	MP1A	Mx	0	4.5
7	MP1B	X	-2.281	1.5
8	MP1B	Z	-3.951	1.5
9	MP1B	Mx	.002	1.5
10	MP1B	X	-2.281	4.5
11	MP1B	Z	-3.951	4.5
12	MP1B	Mx	.002	4.5
13	MP1C	X	-2.281	1.5
14	MP1C	Z	-3.951	1.5
15	MP1C	Mx	-.002	1.5
16	MP1C	X	-2.281	4.5
17	MP1C	Z	-3.951	4.5
18	MP1C	Mx	-.002	4.5
19	MP5A	X	-2.995	1.5
20	MP5A	Z	-5.187	1.5
21	MP5A	Mx	0	1.5
22	MP5A	X	-2.995	4.5
23	MP5A	Z	-5.187	4.5
24	MP5A	Mx	0	4.5
25	MP5B	X	-2.281	1.5
26	MP5B	Z	-3.951	1.5
27	MP5B	Mx	.002	1.5
28	MP5B	X	-2.281	4.5
29	MP5B	Z	-3.951	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP5B	Mx	.002	4.5
31	MP5C	X	-2.281	1.5
32	MP5C	Z	-3.951	1.5
33	MP5C	Mx	-.002	1.5
34	MP5C	X	-2.281	4.5
35	MP5C	Z	-3.951	4.5
36	MP5C	Mx	-.002	4.5
37	MP3A	X	-4.176	.25
38	MP3A	Z	-7.234	.25
39	MP3A	Mx	-.005	.25
40	MP3A	X	-4.176	5.25
41	MP3A	Z	-7.234	5.25
42	MP3A	Mx	-.005	5.25
43	MP3B	X	-3.775	.25
44	MP3B	Z	-6.539	.25
45	MP3B	Mx	.006	.25
46	MP3B	X	-3.775	5.25
47	MP3B	Z	-6.539	5.25
48	MP3B	Mx	.006	5.25
49	MP3C	X	-3.664	.25
50	MP3C	Z	-6.346	.25
51	MP3C	Mx	-.001	.25
52	MP3C	X	-3.664	5.25
53	MP3C	Z	-6.346	5.25
54	MP3C	Mx	-.001	5.25
55	MP3A	X	-4.176	.25
56	MP3A	Z	-7.234	.25
57	MP3A	Mx	.005	.25
58	MP3A	X	-4.176	5.25
59	MP3A	Z	-7.234	5.25
60	MP3A	Mx	.005	5.25
61	MP3B	X	-3.775	.25
62	MP3B	Z	-6.539	.25
63	MP3B	Mx	6.1e-5	.25
64	MP3B	X	-3.775	5.25
65	MP3B	Z	-6.539	5.25
66	MP3B	Mx	6.1e-5	5.25
67	MP3C	X	-3.664	.25
68	MP3C	Z	-6.346	.25
69	MP3C	Mx	-.005	.25
70	MP3C	X	-3.664	5.25
71	MP3C	Z	-6.346	5.25
72	MP3C	Mx	-.005	5.25
73	MP4A	X	-.914	2.75
74	MP4A	Z	-1.584	2.75
75	MP4A	Mx	0	2.75
76	MP4B	X	-.641	2.75
77	MP4B	Z	-1.111	2.75
78	MP4B	Mx	.000491	2.75
79	MP4C	X	-.566	2.75
80	MP4C	Z	-.98	2.75
81	MP4C	Mx	-.00049	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP2A	X	-1.921	2.75
83	MP2A	Z	-3.328	2.75
84	MP2A	Mx	0	2.75
85	MP2B	X	-1.547	2.75
86	MP2B	Z	-2.68	2.75
87	MP2B	Mx	-.001	2.75
88	MP2C	X	-1.443	2.75
89	MP2C	Z	-2.5	2.75
90	MP2C	Mx	.001	2.75
91	MP4A	X	-1.921	1
92	MP4A	Z	-3.328	1
93	MP4A	Mx	0	1
94	MP4B	X	-1.404	1
95	MP4B	Z	-2.432	1
96	MP4B	Mx	-.001	1
97	MP4C	X	-1.26	1
98	MP4C	Z	-2.183	1
99	MP4C	Mx	.001	1
100	MP2B	X	-1.411	2
101	MP2B	Z	-2.444	2
102	MP2B	Mx	.001	2
103	MP2B	X	-1.411	3.5
104	MP2B	Z	-2.444	3.5
105	MP2B	Mx	.001	3.5
106	MP2C	X	-1.189	2
107	MP2C	Z	-2.06	2
108	MP2C	Mx	-.001	2
109	MP2C	X	-1.189	3.5
110	MP2C	Z	-2.06	3.5
111	MP2C	Mx	-.001	3.5
112	MP2A	X	-2.209	2
113	MP2A	Z	-3.826	2
114	MP2A	Mx	0	2
115	MP2A	X	-2.209	3.5
116	MP2A	Z	-3.826	3.5
117	MP2A	Mx	0	3.5
118	M44	X	-2.343	.5
119	M44	Z	-4.059	.5
120	M44	Mx	0	.5
121	M46	X	-2.343	.5
122	M46	Z	-4.059	.5
123	M46	Mx	0	.5

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M9	Y	-500	%100

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M7	Y	-500	%100

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

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

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-9.472	-9.472	0	%100
2	M2	Y	-9.472	-9.472	0	%100
3	MP5A	Y	-4.899	-4.899	0	%100
4	MP4A	Y	-4.899	-4.899	0	%100
5	MP3A	Y	-4.899	-4.899	0	%100
6	MP2A	Y	-4.899	-4.899	0	%100
7	MP1A	Y	-4.899	-4.899	0	%100
8	M13	Y	-9.472	-9.472	0	%100
9	MP5C	Y	-4.899	-4.899	0	%100
10	MP4C	Y	-4.899	-4.899	0	%100
11	MP3C	Y	-4.899	-4.899	0	%100
12	MP2C	Y	-4.899	-4.899	0	%100
13	MP1C	Y	-4.899	-4.899	0	%100
14	M24	Y	-9.472	-9.472	0	%100
15	MP5B	Y	-4.899	-4.899	0	%100
16	MP4B	Y	-4.899	-4.899	0	%100
17	MP3B	Y	-4.899	-4.899	0	%100
18	MP2B	Y	-4.899	-4.899	0	%100
19	MP1B	Y	-4.899	-4.899	0	%100
20	M37	Y	-9.472	-9.472	0	%100
21	M40	Y	-9.472	-9.472	0	%100
22	M44	Y	-4.899	-4.899	0	%100
23	M46	Y	-4.899	-4.899	0	%100
24	M47	Y	-5.531	-5.531	0	%100
25	M48	Y	-5.531	-5.531	0	%100
26	M49	Y	-5.531	-5.531	0	%100
27	M50	Y	-5.531	-5.531	0	%100
28	M51	Y	-5.531	-5.531	0	%100
29	M52	Y	-5.531	-5.531	0	%100
30	M53	Y	-5.531	-5.531	0	%100
31	M54	Y	-5.531	-5.531	0	%100
32	M55	Y	-5.531	-5.531	0	%100
33	M56	Y	-5.531	-5.531	0	%100
34	M57	Y	-5.531	-5.531	0	%100
35	M58	Y	-5.531	-5.531	0	%100
36	M59	Y	-9.951	-9.951	0	%100
37	M60	Y	-9.951	-9.951	0	%100
38	M61	Y	-9.951	-9.951	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,%]

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,%]
1	M1	X	0	0	0	%100
2	M1	Z	-13.698	-13.698	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	MP5A	X	0	0	0	%100
6	MP5A	Z	-7.808	-7.808	0	%100
7	MP4A	X	0	0	0	%100
8	MP4A	Z	-7.808	-7.808	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	-7.808	-7.808	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-7.808	-7.808	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-7.808	-7.808	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	-3.425	-3.425	0	%100
17	MP5C	X	0	0	0	%100
18	MP5C	Z	-7.808	-7.808	0	%100
19	MP4C	X	0	0	0	%100
20	MP4C	Z	-7.808	-7.808	0	%100
21	MP3C	X	0	0	0	%100
22	MP3C	Z	-7.808	-7.808	0	%100
23	MP2C	X	0	0	0	%100
24	MP2C	Z	-7.808	-7.808	0	%100
25	MP1C	X	0	0	0	%100
26	MP1C	Z	-7.808	-7.808	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	-3.425	-3.425	0	%100
29	MP5B	X	0	0	0	%100
30	MP5B	Z	-7.808	-7.808	0	%100
31	MP4B	X	0	0	0	%100
32	MP4B	Z	-7.808	-7.808	0	%100
33	MP3B	X	0	0	0	%100
34	MP3B	Z	-7.808	-7.808	0	%100
35	MP2B	X	0	0	0	%100
36	MP2B	Z	-7.808	-7.808	0	%100
37	MP1B	X	0	0	0	%100
38	MP1B	Z	-7.808	-7.808	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	-10.274	-10.274	0	%100
41	M40	X	0	0	0	%100
42	M40	Z	-10.274	-10.274	0	%100
43	M44	X	0	0	0	%100
44	M44	Z	-7.116	-7.116	0	%100
45	M46	X	0	0	0	%100
46	M46	Z	-6.385	-6.385	0	%100
47	M47	X	0	0	0	%100
48	M47	Z	0	0	0	%100
49	M48	X	0	0	0	%100
50	M48	Z	0	0	0	%100
51	M49	X	0	0	0	%100
52	M49	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
53	M50	X	0	0	0	%100
54	M50	Z	0	0	0	%100
55	M51	X	0	0	0	%100
56	M51	Z	-5.89	-5.89	0	%100
57	M52	X	0	0	0	%100
58	M52	Z	-5.89	-5.89	0	%100
59	M53	X	0	0	0	%100
60	M53	Z	-5.89	-5.89	0	%100
61	M54	X	0	0	0	%100
62	M54	Z	-5.89	-5.89	0	%100
63	M55	X	0	0	0	%100
64	M55	Z	-5.89	-5.89	0	%100
65	M56	X	0	0	0	%100
66	M56	Z	-5.89	-5.89	0	%100
67	M57	X	0	0	0	%100
68	M57	Z	-5.89	-5.89	0	%100
69	M58	X	0	0	0	%100
70	M58	Z	-5.89	-5.89	0	%100
71	M59	X	0	0	0	%100
72	M59	Z	-13.17	-13.17	0	%100
73	M60	X	0	0	0	%100
74	M60	Z	-13.783	-13.783	0	%100
75	M61	X	0	0	0	%100
76	M61	Z	-13.783	-13.783	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	5.137	5.137	0	%100
2	M1	Z	-8.897	-8.897	0	%100
3	M2	X	1.712	1.712	0	%100
4	M2	Z	-2.966	-2.966	0	%100
5	MP5A	X	3.904	3.904	0	%100
6	MP5A	Z	-6.762	-6.762	0	%100
7	MP4A	X	3.904	3.904	0	%100
8	MP4A	Z	-6.762	-6.762	0	%100
9	MP3A	X	3.904	3.904	0	%100
10	MP3A	Z	-6.762	-6.762	0	%100
11	MP2A	X	3.904	3.904	0	%100
12	MP2A	Z	-6.762	-6.762	0	%100
13	MP1A	X	3.904	3.904	0	%100
14	MP1A	Z	-6.762	-6.762	0	%100
15	M13	X	5.137	5.137	0	%100
16	M13	Z	-8.897	-8.897	0	%100
17	MP5C	X	3.904	3.904	0	%100
18	MP5C	Z	-6.762	-6.762	0	%100
19	MP4C	X	3.904	3.904	0	%100
20	MP4C	Z	-6.762	-6.762	0	%100
21	MP3C	X	3.904	3.904	0	%100
22	MP3C	Z	-6.762	-6.762	0	%100
23	MP2C	X	3.904	3.904	0	%100
24	MP2C	Z	-6.762	-6.762	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,%]
25	MP1C	X	3.904	3.904	0	%100
26	MP1C	Z	-6.762	-6.762	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	MP5B	X	3.904	3.904	0	%100
30	MP5B	Z	-6.762	-6.762	0	%100
31	MP4B	X	3.904	3.904	0	%100
32	MP4B	Z	-6.762	-6.762	0	%100
33	MP3B	X	3.904	3.904	0	%100
34	MP3B	Z	-6.762	-6.762	0	%100
35	MP2B	X	3.904	3.904	0	%100
36	MP2B	Z	-6.762	-6.762	0	%100
37	MP1B	X	3.904	3.904	0	%100
38	MP1B	Z	-6.762	-6.762	0	%100
39	M37	X	1.712	1.712	0	%100
40	M37	Z	-2.966	-2.966	0	%100
41	M40	X	6.849	6.849	0	%100
42	M40	Z	-11.863	-11.863	0	%100
43	M44	X	3.558	3.558	0	%100
44	M44	Z	-6.162	-6.162	0	%100
45	M46	X	3.192	3.192	0	%100
46	M46	Z	-5.53	-5.53	0	%100
47	M47	X	.982	.982	0	%100
48	M47	Z	-1.7	-1.7	0	%100
49	M48	X	.982	.982	0	%100
50	M48	Z	-1.7	-1.7	0	%100
51	M49	X	.982	.982	0	%100
52	M49	Z	-1.7	-1.7	0	%100
53	M50	X	.982	.982	0	%100
54	M50	Z	-1.7	-1.7	0	%100
55	M51	X	.982	.982	0	%100
56	M51	Z	-1.7	-1.7	0	%100
57	M52	X	.982	.982	0	%100
58	M52	Z	-1.7	-1.7	0	%100
59	M53	X	.982	.982	0	%100
60	M53	Z	-1.7	-1.7	0	%100
61	M54	X	.982	.982	0	%100
62	M54	Z	-1.7	-1.7	0	%100
63	M55	X	3.927	3.927	0	%100
64	M55	Z	-6.802	-6.802	0	%100
65	M56	X	3.927	3.927	0	%100
66	M56	Z	-6.802	-6.802	0	%100
67	M57	X	3.927	3.927	0	%100
68	M57	Z	-6.802	-6.802	0	%100
69	M58	X	3.927	3.927	0	%100
70	M58	Z	-6.802	-6.802	0	%100
71	M59	X	6.687	6.687	0	%100
72	M59	Z	-11.583	-11.583	0	%100
73	M60	X	6.687	6.687	0	%100
74	M60	Z	-11.583	-11.583	0	%100
75	M61	X	6.994	6.994	0	%100
76	M61	Z	-12.114	-12.114	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.966	2.966	0	%100
2	M1	Z	-1.712	-1.712	0	%100
3	M2	X	8.897	8.897	0	%100
4	M2	Z	-5.137	-5.137	0	%100
5	MP5A	X	6.762	6.762	0	%100
6	MP5A	Z	-3.904	-3.904	0	%100
7	MP4A	X	6.762	6.762	0	%100
8	MP4A	Z	-3.904	-3.904	0	%100
9	MP3A	X	6.762	6.762	0	%100
10	MP3A	Z	-3.904	-3.904	0	%100
11	MP2A	X	6.762	6.762	0	%100
12	MP2A	Z	-3.904	-3.904	0	%100
13	MP1A	X	6.762	6.762	0	%100
14	MP1A	Z	-3.904	-3.904	0	%100
15	M13	X	11.863	11.863	0	%100
16	M13	Z	-6.849	-6.849	0	%100
17	MP5C	X	6.762	6.762	0	%100
18	MP5C	Z	-3.904	-3.904	0	%100
19	MP4C	X	6.762	6.762	0	%100
20	MP4C	Z	-3.904	-3.904	0	%100
21	MP3C	X	6.762	6.762	0	%100
22	MP3C	Z	-3.904	-3.904	0	%100
23	MP2C	X	6.762	6.762	0	%100
24	MP2C	Z	-3.904	-3.904	0	%100
25	MP1C	X	6.762	6.762	0	%100
26	MP1C	Z	-3.904	-3.904	0	%100
27	M24	X	2.966	2.966	0	%100
28	M24	Z	-1.712	-1.712	0	%100
29	MP5B	X	6.762	6.762	0	%100
30	MP5B	Z	-3.904	-3.904	0	%100
31	MP4B	X	6.762	6.762	0	%100
32	MP4B	Z	-3.904	-3.904	0	%100
33	MP3B	X	6.762	6.762	0	%100
34	MP3B	Z	-3.904	-3.904	0	%100
35	MP2B	X	6.762	6.762	0	%100
36	MP2B	Z	-3.904	-3.904	0	%100
37	MP1B	X	6.762	6.762	0	%100
38	MP1B	Z	-3.904	-3.904	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M40	X	8.897	8.897	0	%100
42	M40	Z	-5.137	-5.137	0	%100
43	M44	X	6.162	6.162	0	%100
44	M44	Z	-3.558	-3.558	0	%100
45	M46	X	5.53	5.53	0	%100
46	M46	Z	-3.192	-3.192	0	%100
47	M47	X	5.101	5.101	0	%100
48	M47	Z	-2.945	-2.945	0	%100
49	M48	X	5.101	5.101	0	%100
50	M48	Z	-2.945	-2.945	0	%100
51	M49	X	5.101	5.101	0	%100
52	M49	Z	-2.945	-2.945	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,%]
53	M50	X	5.101	5.101	0	%100
54	M50	Z	-2.945	-2.945	0	%100
55	M51	X	0	0	0	%100
56	M51	Z	0	0	0	%100
57	M52	X	0	0	0	%100
58	M52	Z	0	0	0	%100
59	M53	X	0	0	0	%100
60	M53	Z	0	0	0	%100
61	M54	X	0	0	0	%100
62	M54	Z	0	0	0	%100
63	M55	X	5.101	5.101	0	%100
64	M55	Z	-2.945	-2.945	0	%100
65	M56	X	5.101	5.101	0	%100
66	M56	Z	-2.945	-2.945	0	%100
67	M57	X	5.101	5.101	0	%100
68	M57	Z	-2.945	-2.945	0	%100
69	M58	X	5.101	5.101	0	%100
70	M58	Z	-2.945	-2.945	0	%100
71	M59	X	11.937	11.937	0	%100
72	M59	Z	-6.892	-6.892	0	%100
73	M60	X	11.406	11.406	0	%100
74	M60	Z	-6.585	-6.585	0	%100
75	M61	X	11.937	11.937	0	%100
76	M61	Z	-6.892	-6.892	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	13.698	13.698	0	%100
4	M2	Z	0	0	0	%100
5	MP5A	X	7.808	7.808	0	%100
6	MP5A	Z	0	0	0	%100
7	MP4A	X	7.808	7.808	0	%100
8	MP4A	Z	0	0	0	%100
9	MP3A	X	7.808	7.808	0	%100
10	MP3A	Z	0	0	0	%100
11	MP2A	X	7.808	7.808	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	7.808	7.808	0	%100
14	MP1A	Z	0	0	0	%100
15	M13	X	10.274	10.274	0	%100
16	M13	Z	0	0	0	%100
17	MP5C	X	7.808	7.808	0	%100
18	MP5C	Z	0	0	0	%100
19	MP4C	X	7.808	7.808	0	%100
20	MP4C	Z	0	0	0	%100
21	MP3C	X	7.808	7.808	0	%100
22	MP3C	Z	0	0	0	%100
23	MP2C	X	7.808	7.808	0	%100
24	MP2C	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,%]
25	MP1C	X	7.808	7.808	0	%100
26	MP1C	Z	0	0	0	%100
27	M24	X	10.274	10.274	0	%100
28	M24	Z	0	0	0	%100
29	MP5B	X	7.808	7.808	0	%100
30	MP5B	Z	0	0	0	%100
31	MP4B	X	7.808	7.808	0	%100
32	MP4B	Z	0	0	0	%100
33	MP3B	X	7.808	7.808	0	%100
34	MP3B	Z	0	0	0	%100
35	MP2B	X	7.808	7.808	0	%100
36	MP2B	Z	0	0	0	%100
37	MP1B	X	7.808	7.808	0	%100
38	MP1B	Z	0	0	0	%100
39	M37	X	3.425	3.425	0	%100
40	M37	Z	0	0	0	%100
41	M40	X	3.425	3.425	0	%100
42	M40	Z	0	0	0	%100
43	M44	X	7.116	7.116	0	%100
44	M44	Z	0	0	0	%100
45	M46	X	6.385	6.385	0	%100
46	M46	Z	0	0	0	%100
47	M47	X	7.854	7.854	0	%100
48	M47	Z	0	0	0	%100
49	M48	X	7.854	7.854	0	%100
50	M48	Z	0	0	0	%100
51	M49	X	7.854	7.854	0	%100
52	M49	Z	0	0	0	%100
53	M50	X	7.854	7.854	0	%100
54	M50	Z	0	0	0	%100
55	M51	X	1.963	1.963	0	%100
56	M51	Z	0	0	0	%100
57	M52	X	1.963	1.963	0	%100
58	M52	Z	0	0	0	%100
59	M53	X	1.963	1.963	0	%100
60	M53	Z	0	0	0	%100
61	M54	X	1.963	1.963	0	%100
62	M54	Z	0	0	0	%100
63	M55	X	1.963	1.963	0	%100
64	M55	Z	0	0	0	%100
65	M56	X	1.963	1.963	0	%100
66	M56	Z	0	0	0	%100
67	M57	X	1.963	1.963	0	%100
68	M57	Z	0	0	0	%100
69	M58	X	1.963	1.963	0	%100
70	M58	Z	0	0	0	%100
71	M59	X	13.988	13.988	0	%100
72	M59	Z	0	0	0	%100
73	M60	X	13.375	13.375	0	%100
74	M60	Z	0	0	0	%100
75	M61	X	13.375	13.375	0	%100
76	M61	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	M1	X	2.966	2.966	0	%100
2	M1	Z	1.712	1.712	0	%100
3	M2	X	8.897	8.897	0	%100
4	M2	Z	5.137	5.137	0	%100
5	MP5A	X	6.762	6.762	0	%100
6	MP5A	Z	3.904	3.904	0	%100
7	MP4A	X	6.762	6.762	0	%100
8	MP4A	Z	3.904	3.904	0	%100
9	MP3A	X	6.762	6.762	0	%100
10	MP3A	Z	3.904	3.904	0	%100
11	MP2A	X	6.762	6.762	0	%100
12	MP2A	Z	3.904	3.904	0	%100
13	MP1A	X	6.762	6.762	0	%100
14	MP1A	Z	3.904	3.904	0	%100
15	M13	X	2.966	2.966	0	%100
16	M13	Z	1.712	1.712	0	%100
17	MP5C	X	6.762	6.762	0	%100
18	MP5C	Z	3.904	3.904	0	%100
19	MP4C	X	6.762	6.762	0	%100
20	MP4C	Z	3.904	3.904	0	%100
21	MP3C	X	6.762	6.762	0	%100
22	MP3C	Z	3.904	3.904	0	%100
23	MP2C	X	6.762	6.762	0	%100
24	MP2C	Z	3.904	3.904	0	%100
25	MP1C	X	6.762	6.762	0	%100
26	MP1C	Z	3.904	3.904	0	%100
27	M24	X	11.863	11.863	0	%100
28	M24	Z	6.849	6.849	0	%100
29	MP5B	X	6.762	6.762	0	%100
30	MP5B	Z	3.904	3.904	0	%100
31	MP4B	X	6.762	6.762	0	%100
32	MP4B	Z	3.904	3.904	0	%100
33	MP3B	X	6.762	6.762	0	%100
34	MP3B	Z	3.904	3.904	0	%100
35	MP2B	X	6.762	6.762	0	%100
36	MP2B	Z	3.904	3.904	0	%100
37	MP1B	X	6.762	6.762	0	%100
38	MP1B	Z	3.904	3.904	0	%100
39	M37	X	8.897	8.897	0	%100
40	M37	Z	5.137	5.137	0	%100
41	M40	X	0	0	0	%100
42	M40	Z	0	0	0	%100
43	M44	X	6.162	6.162	0	%100
44	M44	Z	3.558	3.558	0	%100
45	M46	X	5.53	5.53	0	%100
46	M46	Z	3.192	3.192	0	%100
47	M47	X	5.101	5.101	0	%100
48	M47	Z	2.945	2.945	0	%100
49	M48	X	5.101	5.101	0	%100
50	M48	Z	2.945	2.945	0	%100
51	M49	X	5.101	5.101	0	%100
52	M49	Z	2.945	2.945	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,%]
53	M50	X	5.101	5.101	0	%100
54	M50	Z	2.945	2.945	0	%100
55	M51	X	5.101	5.101	0	%100
56	M51	Z	2.945	2.945	0	%100
57	M52	X	5.101	5.101	0	%100
58	M52	Z	2.945	2.945	0	%100
59	M53	X	5.101	5.101	0	%100
60	M53	Z	2.945	2.945	0	%100
61	M54	X	5.101	5.101	0	%100
62	M54	Z	2.945	2.945	0	%100
63	M55	X	0	0	0	%100
64	M55	Z	0	0	0	%100
65	M56	X	0	0	0	%100
66	M56	Z	0	0	0	%100
67	M57	X	0	0	0	%100
68	M57	Z	0	0	0	%100
69	M58	X	0	0	0	%100
70	M58	Z	0	0	0	%100
71	M59	X	11.937	11.937	0	%100
72	M59	Z	6.892	6.892	0	%100
73	M60	X	11.937	11.937	0	%100
74	M60	Z	6.892	6.892	0	%100
75	M61	X	11.406	11.406	0	%100
76	M61	Z	6.585	6.585	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	M1	X	5.137	5.137	0	%100
2	M1	Z	8.897	8.897	0	%100
3	M2	X	1.712	1.712	0	%100
4	M2	Z	2.966	2.966	0	%100
5	MP5A	X	3.904	3.904	0	%100
6	MP5A	Z	6.762	6.762	0	%100
7	MP4A	X	3.904	3.904	0	%100
8	MP4A	Z	6.762	6.762	0	%100
9	MP3A	X	3.904	3.904	0	%100
10	MP3A	Z	6.762	6.762	0	%100
11	MP2A	X	3.904	3.904	0	%100
12	MP2A	Z	6.762	6.762	0	%100
13	MP1A	X	3.904	3.904	0	%100
14	MP1A	Z	6.762	6.762	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	0	0	0	%100
17	MP5C	X	3.904	3.904	0	%100
18	MP5C	Z	6.762	6.762	0	%100
19	MP4C	X	3.904	3.904	0	%100
20	MP4C	Z	6.762	6.762	0	%100
21	MP3C	X	3.904	3.904	0	%100
22	MP3C	Z	6.762	6.762	0	%100
23	MP2C	X	3.904	3.904	0	%100
24	MP2C	Z	6.762	6.762	0	%100

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,%]
25	MP1C	X	3.904	3.904	0	%100
26	MP1C	Z	6.762	6.762	0	%100
27	M24	X	5.137	5.137	0	%100
28	M24	Z	8.897	8.897	0	%100
29	MP5B	X	3.904	3.904	0	%100
30	MP5B	Z	6.762	6.762	0	%100
31	MP4B	X	3.904	3.904	0	%100
32	MP4B	Z	6.762	6.762	0	%100
33	MP3B	X	3.904	3.904	0	%100
34	MP3B	Z	6.762	6.762	0	%100
35	MP2B	X	3.904	3.904	0	%100
36	MP2B	Z	6.762	6.762	0	%100
37	MP1B	X	3.904	3.904	0	%100
38	MP1B	Z	6.762	6.762	0	%100
39	M37	X	6.849	6.849	0	%100
40	M37	Z	11.863	11.863	0	%100
41	M40	X	1.712	1.712	0	%100
42	M40	Z	2.966	2.966	0	%100
43	M44	X	3.558	3.558	0	%100
44	M44	Z	6.162	6.162	0	%100
45	M46	X	3.192	3.192	0	%100
46	M46	Z	5.53	5.53	0	%100
47	M47	X	.982	.982	0	%100
48	M47	Z	1.7	1.7	0	%100
49	M48	X	.982	.982	0	%100
50	M48	Z	1.7	1.7	0	%100
51	M49	X	.982	.982	0	%100
52	M49	Z	1.7	1.7	0	%100
53	M50	X	.982	.982	0	%100
54	M50	Z	1.7	1.7	0	%100
55	M51	X	3.927	3.927	0	%100
56	M51	Z	6.802	6.802	0	%100
57	M52	X	3.927	3.927	0	%100
58	M52	Z	6.802	6.802	0	%100
59	M53	X	3.927	3.927	0	%100
60	M53	Z	6.802	6.802	0	%100
61	M54	X	3.927	3.927	0	%100
62	M54	Z	6.802	6.802	0	%100
63	M55	X	.982	.982	0	%100
64	M55	Z	1.7	1.7	0	%100
65	M56	X	.982	.982	0	%100
66	M56	Z	1.7	1.7	0	%100
67	M57	X	.982	.982	0	%100
68	M57	Z	1.7	1.7	0	%100
69	M58	X	.982	.982	0	%100
70	M58	Z	1.7	1.7	0	%100
71	M59	X	6.687	6.687	0	%100
72	M59	Z	11.583	11.583	0	%100
73	M60	X	6.994	6.994	0	%100
74	M60	Z	12.114	12.114	0	%100
75	M61	X	6.687	6.687	0	%100
76	M61	Z	11.583	11.583	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	M1	X	0	0	0	%100
2	M1	Z	13.698	13.698	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	MP5A	X	0	0	0	%100
6	MP5A	Z	7.808	7.808	0	%100
7	MP4A	X	0	0	0	%100
8	MP4A	Z	7.808	7.808	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	7.808	7.808	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	7.808	7.808	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	7.808	7.808	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	3.425	3.425	0	%100
17	MP5C	X	0	0	0	%100
18	MP5C	Z	7.808	7.808	0	%100
19	MP4C	X	0	0	0	%100
20	MP4C	Z	7.808	7.808	0	%100
21	MP3C	X	0	0	0	%100
22	MP3C	Z	7.808	7.808	0	%100
23	MP2C	X	0	0	0	%100
24	MP2C	Z	7.808	7.808	0	%100
25	MP1C	X	0	0	0	%100
26	MP1C	Z	7.808	7.808	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	3.425	3.425	0	%100
29	MP5B	X	0	0	0	%100
30	MP5B	Z	7.808	7.808	0	%100
31	MP4B	X	0	0	0	%100
32	MP4B	Z	7.808	7.808	0	%100
33	MP3B	X	0	0	0	%100
34	MP3B	Z	7.808	7.808	0	%100
35	MP2B	X	0	0	0	%100
36	MP2B	Z	7.808	7.808	0	%100
37	MP1B	X	0	0	0	%100
38	MP1B	Z	7.808	7.808	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	10.274	10.274	0	%100
41	M40	X	0	0	0	%100
42	M40	Z	10.274	10.274	0	%100
43	M44	X	0	0	0	%100
44	M44	Z	7.116	7.116	0	%100
45	M46	X	0	0	0	%100
46	M46	Z	6.385	6.385	0	%100
47	M47	X	0	0	0	%100
48	M47	Z	0	0	0	%100
49	M48	X	0	0	0	%100
50	M48	Z	0	0	0	%100
51	M49	X	0	0	0	%100
52	M49	Z	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,%]
53	M50	X	0	0	0	%100
54	M50	Z	0	0	0	%100
55	M51	X	0	0	0	%100
56	M51	Z	5.89	5.89	0	%100
57	M52	X	0	0	0	%100
58	M52	Z	5.89	5.89	0	%100
59	M53	X	0	0	0	%100
60	M53	Z	5.89	5.89	0	%100
61	M54	X	0	0	0	%100
62	M54	Z	5.89	5.89	0	%100
63	M55	X	0	0	0	%100
64	M55	Z	5.89	5.89	0	%100
65	M56	X	0	0	0	%100
66	M56	Z	5.89	5.89	0	%100
67	M57	X	0	0	0	%100
68	M57	Z	5.89	5.89	0	%100
69	M58	X	0	0	0	%100
70	M58	Z	5.89	5.89	0	%100
71	M59	X	0	0	0	%100
72	M59	Z	13.17	13.17	0	%100
73	M60	X	0	0	0	%100
74	M60	Z	13.783	13.783	0	%100
75	M61	X	0	0	0	%100
76	M61	Z	13.783	13.783	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	M1	X	-5.137	-5.137	0	%100
2	M1	Z	8.897	8.897	0	%100
3	M2	X	-1.712	-1.712	0	%100
4	M2	Z	2.966	2.966	0	%100
5	MP5A	X	-3.904	-3.904	0	%100
6	MP5A	Z	6.762	6.762	0	%100
7	MP4A	X	-3.904	-3.904	0	%100
8	MP4A	Z	6.762	6.762	0	%100
9	MP3A	X	-3.904	-3.904	0	%100
10	MP3A	Z	6.762	6.762	0	%100
11	MP2A	X	-3.904	-3.904	0	%100
12	MP2A	Z	6.762	6.762	0	%100
13	MP1A	X	-3.904	-3.904	0	%100
14	MP1A	Z	6.762	6.762	0	%100
15	M13	X	-5.137	-5.137	0	%100
16	M13	Z	8.897	8.897	0	%100
17	MP5C	X	-3.904	-3.904	0	%100
18	MP5C	Z	6.762	6.762	0	%100
19	MP4C	X	-3.904	-3.904	0	%100
20	MP4C	Z	6.762	6.762	0	%100
21	MP3C	X	-3.904	-3.904	0	%100
22	MP3C	Z	6.762	6.762	0	%100
23	MP2C	X	-3.904	-3.904	0	%100
24	MP2C	Z	6.762	6.762	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
25	MP1C	X	-3.904	-3.904	0	%100
26	MP1C	Z	6.762	6.762	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	MP5B	X	-3.904	-3.904	0	%100
30	MP5B	Z	6.762	6.762	0	%100
31	MP4B	X	-3.904	-3.904	0	%100
32	MP4B	Z	6.762	6.762	0	%100
33	MP3B	X	-3.904	-3.904	0	%100
34	MP3B	Z	6.762	6.762	0	%100
35	MP2B	X	-3.904	-3.904	0	%100
36	MP2B	Z	6.762	6.762	0	%100
37	MP1B	X	-3.904	-3.904	0	%100
38	MP1B	Z	6.762	6.762	0	%100
39	M37	X	-1.712	-1.712	0	%100
40	M37	Z	2.966	2.966	0	%100
41	M40	X	-6.849	-6.849	0	%100
42	M40	Z	11.863	11.863	0	%100
43	M44	X	-3.558	-3.558	0	%100
44	M44	Z	6.162	6.162	0	%100
45	M46	X	-3.192	-3.192	0	%100
46	M46	Z	5.53	5.53	0	%100
47	M47	X	-.982	-.982	0	%100
48	M47	Z	1.7	1.7	0	%100
49	M48	X	-.982	-.982	0	%100
50	M48	Z	1.7	1.7	0	%100
51	M49	X	-.982	-.982	0	%100
52	M49	Z	1.7	1.7	0	%100
53	M50	X	-.982	-.982	0	%100
54	M50	Z	1.7	1.7	0	%100
55	M51	X	-.982	-.982	0	%100
56	M51	Z	1.7	1.7	0	%100
57	M52	X	-.982	-.982	0	%100
58	M52	Z	1.7	1.7	0	%100
59	M53	X	-.982	-.982	0	%100
60	M53	Z	1.7	1.7	0	%100
61	M54	X	-.982	-.982	0	%100
62	M54	Z	1.7	1.7	0	%100
63	M55	X	-3.927	-3.927	0	%100
64	M55	Z	6.802	6.802	0	%100
65	M56	X	-3.927	-3.927	0	%100
66	M56	Z	6.802	6.802	0	%100
67	M57	X	-3.927	-3.927	0	%100
68	M57	Z	6.802	6.802	0	%100
69	M58	X	-3.927	-3.927	0	%100
70	M58	Z	6.802	6.802	0	%100
71	M59	X	-6.687	-6.687	0	%100
72	M59	Z	11.583	11.583	0	%100
73	M60	X	-6.687	-6.687	0	%100
74	M60	Z	11.583	11.583	0	%100
75	M61	X	-6.994	-6.994	0	%100
76	M61	Z	12.114	12.114	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	M1	X	-2.966	-2.966	0	%100
2	M1	Z	1.712	1.712	0	%100
3	M2	X	-8.897	-8.897	0	%100
4	M2	Z	5.137	5.137	0	%100
5	MP5A	X	-6.762	-6.762	0	%100
6	MP5A	Z	3.904	3.904	0	%100
7	MP4A	X	-6.762	-6.762	0	%100
8	MP4A	Z	3.904	3.904	0	%100
9	MP3A	X	-6.762	-6.762	0	%100
10	MP3A	Z	3.904	3.904	0	%100
11	MP2A	X	-6.762	-6.762	0	%100
12	MP2A	Z	3.904	3.904	0	%100
13	MP1A	X	-6.762	-6.762	0	%100
14	MP1A	Z	3.904	3.904	0	%100
15	M13	X	-11.863	-11.863	0	%100
16	M13	Z	6.849	6.849	0	%100
17	MP5C	X	-6.762	-6.762	0	%100
18	MP5C	Z	3.904	3.904	0	%100
19	MP4C	X	-6.762	-6.762	0	%100
20	MP4C	Z	3.904	3.904	0	%100
21	MP3C	X	-6.762	-6.762	0	%100
22	MP3C	Z	3.904	3.904	0	%100
23	MP2C	X	-6.762	-6.762	0	%100
24	MP2C	Z	3.904	3.904	0	%100
25	MP1C	X	-6.762	-6.762	0	%100
26	MP1C	Z	3.904	3.904	0	%100
27	M24	X	-2.966	-2.966	0	%100
28	M24	Z	1.712	1.712	0	%100
29	MP5B	X	-6.762	-6.762	0	%100
30	MP5B	Z	3.904	3.904	0	%100
31	MP4B	X	-6.762	-6.762	0	%100
32	MP4B	Z	3.904	3.904	0	%100
33	MP3B	X	-6.762	-6.762	0	%100
34	MP3B	Z	3.904	3.904	0	%100
35	MP2B	X	-6.762	-6.762	0	%100
36	MP2B	Z	3.904	3.904	0	%100
37	MP1B	X	-6.762	-6.762	0	%100
38	MP1B	Z	3.904	3.904	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M40	X	-8.897	-8.897	0	%100
42	M40	Z	5.137	5.137	0	%100
43	M44	X	-6.162	-6.162	0	%100
44	M44	Z	3.558	3.558	0	%100
45	M46	X	-5.53	-5.53	0	%100
46	M46	Z	3.192	3.192	0	%100
47	M47	X	-5.101	-5.101	0	%100
48	M47	Z	2.945	2.945	0	%100
49	M48	X	-5.101	-5.101	0	%100
50	M48	Z	2.945	2.945	0	%100
51	M49	X	-5.101	-5.101	0	%100
52	M49	Z	2.945	2.945	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,%]
53	M50	X	-5.101	-5.101	0	%100
54	M50	Z	2.945	2.945	0	%100
55	M51	X	0	0	0	%100
56	M51	Z	0	0	0	%100
57	M52	X	0	0	0	%100
58	M52	Z	0	0	0	%100
59	M53	X	0	0	0	%100
60	M53	Z	0	0	0	%100
61	M54	X	0	0	0	%100
62	M54	Z	0	0	0	%100
63	M55	X	-5.101	-5.101	0	%100
64	M55	Z	2.945	2.945	0	%100
65	M56	X	-5.101	-5.101	0	%100
66	M56	Z	2.945	2.945	0	%100
67	M57	X	-5.101	-5.101	0	%100
68	M57	Z	2.945	2.945	0	%100
69	M58	X	-5.101	-5.101	0	%100
70	M58	Z	2.945	2.945	0	%100
71	M59	X	-11.937	-11.937	0	%100
72	M59	Z	6.892	6.892	0	%100
73	M60	X	-11.406	-11.406	0	%100
74	M60	Z	6.585	6.585	0	%100
75	M61	X	-11.937	-11.937	0	%100
76	M61	Z	6.892	6.892	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	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-13.698	-13.698	0	%100
4	M2	Z	0	0	0	%100
5	MP5A	X	-7.808	-7.808	0	%100
6	MP5A	Z	0	0	0	%100
7	MP4A	X	-7.808	-7.808	0	%100
8	MP4A	Z	0	0	0	%100
9	MP3A	X	-7.808	-7.808	0	%100
10	MP3A	Z	0	0	0	%100
11	MP2A	X	-7.808	-7.808	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-7.808	-7.808	0	%100
14	MP1A	Z	0	0	0	%100
15	M13	X	-10.274	-10.274	0	%100
16	M13	Z	0	0	0	%100
17	MP5C	X	-7.808	-7.808	0	%100
18	MP5C	Z	0	0	0	%100
19	MP4C	X	-7.808	-7.808	0	%100
20	MP4C	Z	0	0	0	%100
21	MP3C	X	-7.808	-7.808	0	%100
22	MP3C	Z	0	0	0	%100
23	MP2C	X	-7.808	-7.808	0	%100
24	MP2C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
25	MP1C	X	-7.808	-7.808	0	%100
26	MP1C	Z	0	0	0	%100
27	M24	X	-10.274	-10.274	0	%100
28	M24	Z	0	0	0	%100
29	MP5B	X	-7.808	-7.808	0	%100
30	MP5B	Z	0	0	0	%100
31	MP4B	X	-7.808	-7.808	0	%100
32	MP4B	Z	0	0	0	%100
33	MP3B	X	-7.808	-7.808	0	%100
34	MP3B	Z	0	0	0	%100
35	MP2B	X	-7.808	-7.808	0	%100
36	MP2B	Z	0	0	0	%100
37	MP1B	X	-7.808	-7.808	0	%100
38	MP1B	Z	0	0	0	%100
39	M37	X	-3.425	-3.425	0	%100
40	M37	Z	0	0	0	%100
41	M40	X	-3.425	-3.425	0	%100
42	M40	Z	0	0	0	%100
43	M44	X	-7.116	-7.116	0	%100
44	M44	Z	0	0	0	%100
45	M46	X	-6.385	-6.385	0	%100
46	M46	Z	0	0	0	%100
47	M47	X	-7.854	-7.854	0	%100
48	M47	Z	0	0	0	%100
49	M48	X	-7.854	-7.854	0	%100
50	M48	Z	0	0	0	%100
51	M49	X	-7.854	-7.854	0	%100
52	M49	Z	0	0	0	%100
53	M50	X	-7.854	-7.854	0	%100
54	M50	Z	0	0	0	%100
55	M51	X	-1.963	-1.963	0	%100
56	M51	Z	0	0	0	%100
57	M52	X	-1.963	-1.963	0	%100
58	M52	Z	0	0	0	%100
59	M53	X	-1.963	-1.963	0	%100
60	M53	Z	0	0	0	%100
61	M54	X	-1.963	-1.963	0	%100
62	M54	Z	0	0	0	%100
63	M55	X	-1.963	-1.963	0	%100
64	M55	Z	0	0	0	%100
65	M56	X	-1.963	-1.963	0	%100
66	M56	Z	0	0	0	%100
67	M57	X	-1.963	-1.963	0	%100
68	M57	Z	0	0	0	%100
69	M58	X	-1.963	-1.963	0	%100
70	M58	Z	0	0	0	%100
71	M59	X	-13.988	-13.988	0	%100
72	M59	Z	0	0	0	%100
73	M60	X	-13.375	-13.375	0	%100
74	M60	Z	0	0	0	%100
75	M61	X	-13.375	-13.375	0	%100
76	M61	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	M1	X	-2.966	-2.966	0	%100
2	M1	Z	-1.712	-1.712	0	%100
3	M2	X	-8.897	-8.897	0	%100
4	M2	Z	-5.137	-5.137	0	%100
5	MP5A	X	-6.762	-6.762	0	%100
6	MP5A	Z	-3.904	-3.904	0	%100
7	MP4A	X	-6.762	-6.762	0	%100
8	MP4A	Z	-3.904	-3.904	0	%100
9	MP3A	X	-6.762	-6.762	0	%100
10	MP3A	Z	-3.904	-3.904	0	%100
11	MP2A	X	-6.762	-6.762	0	%100
12	MP2A	Z	-3.904	-3.904	0	%100
13	MP1A	X	-6.762	-6.762	0	%100
14	MP1A	Z	-3.904	-3.904	0	%100
15	M13	X	-2.966	-2.966	0	%100
16	M13	Z	-1.712	-1.712	0	%100
17	MP5C	X	-6.762	-6.762	0	%100
18	MP5C	Z	-3.904	-3.904	0	%100
19	MP4C	X	-6.762	-6.762	0	%100
20	MP4C	Z	-3.904	-3.904	0	%100
21	MP3C	X	-6.762	-6.762	0	%100
22	MP3C	Z	-3.904	-3.904	0	%100
23	MP2C	X	-6.762	-6.762	0	%100
24	MP2C	Z	-3.904	-3.904	0	%100
25	MP1C	X	-6.762	-6.762	0	%100
26	MP1C	Z	-3.904	-3.904	0	%100
27	M24	X	-11.863	-11.863	0	%100
28	M24	Z	-6.849	-6.849	0	%100
29	MP5B	X	-6.762	-6.762	0	%100
30	MP5B	Z	-3.904	-3.904	0	%100
31	MP4B	X	-6.762	-6.762	0	%100
32	MP4B	Z	-3.904	-3.904	0	%100
33	MP3B	X	-6.762	-6.762	0	%100
34	MP3B	Z	-3.904	-3.904	0	%100
35	MP2B	X	-6.762	-6.762	0	%100
36	MP2B	Z	-3.904	-3.904	0	%100
37	MP1B	X	-6.762	-6.762	0	%100
38	MP1B	Z	-3.904	-3.904	0	%100
39	M37	X	-8.897	-8.897	0	%100
40	M37	Z	-5.137	-5.137	0	%100
41	M40	X	0	0	0	%100
42	M40	Z	0	0	0	%100
43	M44	X	-6.162	-6.162	0	%100
44	M44	Z	-3.558	-3.558	0	%100
45	M46	X	-5.53	-5.53	0	%100
46	M46	Z	-3.192	-3.192	0	%100
47	M47	X	-5.101	-5.101	0	%100
48	M47	Z	-2.945	-2.945	0	%100
49	M48	X	-5.101	-5.101	0	%100
50	M48	Z	-2.945	-2.945	0	%100
51	M49	X	-5.101	-5.101	0	%100
52	M49	Z	-2.945	-2.945	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,%]
53	M50	X	-5.101	-5.101	0	%100
54	M50	Z	-2.945	-2.945	0	%100
55	M51	X	-5.101	-5.101	0	%100
56	M51	Z	-2.945	-2.945	0	%100
57	M52	X	-5.101	-5.101	0	%100
58	M52	Z	-2.945	-2.945	0	%100
59	M53	X	-5.101	-5.101	0	%100
60	M53	Z	-2.945	-2.945	0	%100
61	M54	X	-5.101	-5.101	0	%100
62	M54	Z	-2.945	-2.945	0	%100
63	M55	X	0	0	0	%100
64	M55	Z	0	0	0	%100
65	M56	X	0	0	0	%100
66	M56	Z	0	0	0	%100
67	M57	X	0	0	0	%100
68	M57	Z	0	0	0	%100
69	M58	X	0	0	0	%100
70	M58	Z	0	0	0	%100
71	M59	X	-11.937	-11.937	0	%100
72	M59	Z	-6.892	-6.892	0	%100
73	M60	X	-11.937	-11.937	0	%100
74	M60	Z	-6.892	-6.892	0	%100
75	M61	X	-11.406	-11.406	0	%100
76	M61	Z	-6.585	-6.585	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-5.137	-5.137	0	%100
2	M1	Z	-8.897	-8.897	0	%100
3	M2	X	-1.712	-1.712	0	%100
4	M2	Z	-2.966	-2.966	0	%100
5	MP5A	X	-3.904	-3.904	0	%100
6	MP5A	Z	-6.762	-6.762	0	%100
7	MP4A	X	-3.904	-3.904	0	%100
8	MP4A	Z	-6.762	-6.762	0	%100
9	MP3A	X	-3.904	-3.904	0	%100
10	MP3A	Z	-6.762	-6.762	0	%100
11	MP2A	X	-3.904	-3.904	0	%100
12	MP2A	Z	-6.762	-6.762	0	%100
13	MP1A	X	-3.904	-3.904	0	%100
14	MP1A	Z	-6.762	-6.762	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	0	0	0	%100
17	MP5C	X	-3.904	-3.904	0	%100
18	MP5C	Z	-6.762	-6.762	0	%100
19	MP4C	X	-3.904	-3.904	0	%100
20	MP4C	Z	-6.762	-6.762	0	%100
21	MP3C	X	-3.904	-3.904	0	%100
22	MP3C	Z	-6.762	-6.762	0	%100
23	MP2C	X	-3.904	-3.904	0	%100
24	MP2C	Z	-6.762	-6.762	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
25	MP1C	X	-3.904	-3.904	0	%100
26	MP1C	Z	-6.762	-6.762	0	%100
27	M24	X	-5.137	-5.137	0	%100
28	M24	Z	-8.897	-8.897	0	%100
29	MP5B	X	-3.904	-3.904	0	%100
30	MP5B	Z	-6.762	-6.762	0	%100
31	MP4B	X	-3.904	-3.904	0	%100
32	MP4B	Z	-6.762	-6.762	0	%100
33	MP3B	X	-3.904	-3.904	0	%100
34	MP3B	Z	-6.762	-6.762	0	%100
35	MP2B	X	-3.904	-3.904	0	%100
36	MP2B	Z	-6.762	-6.762	0	%100
37	MP1B	X	-3.904	-3.904	0	%100
38	MP1B	Z	-6.762	-6.762	0	%100
39	M37	X	-6.849	-6.849	0	%100
40	M37	Z	-11.863	-11.863	0	%100
41	M40	X	-1.712	-1.712	0	%100
42	M40	Z	-2.966	-2.966	0	%100
43	M44	X	-3.558	-3.558	0	%100
44	M44	Z	-6.162	-6.162	0	%100
45	M46	X	-3.192	-3.192	0	%100
46	M46	Z	-5.53	-5.53	0	%100
47	M47	X	-.982	-.982	0	%100
48	M47	Z	-1.7	-1.7	0	%100
49	M48	X	-.982	-.982	0	%100
50	M48	Z	-1.7	-1.7	0	%100
51	M49	X	-.982	-.982	0	%100
52	M49	Z	-1.7	-1.7	0	%100
53	M50	X	-.982	-.982	0	%100
54	M50	Z	-1.7	-1.7	0	%100
55	M51	X	-3.927	-3.927	0	%100
56	M51	Z	-6.802	-6.802	0	%100
57	M52	X	-3.927	-3.927	0	%100
58	M52	Z	-6.802	-6.802	0	%100
59	M53	X	-3.927	-3.927	0	%100
60	M53	Z	-6.802	-6.802	0	%100
61	M54	X	-3.927	-3.927	0	%100
62	M54	Z	-6.802	-6.802	0	%100
63	M55	X	-.982	-.982	0	%100
64	M55	Z	-1.7	-1.7	0	%100
65	M56	X	-.982	-.982	0	%100
66	M56	Z	-1.7	-1.7	0	%100
67	M57	X	-.982	-.982	0	%100
68	M57	Z	-1.7	-1.7	0	%100
69	M58	X	-.982	-.982	0	%100
70	M58	Z	-1.7	-1.7	0	%100
71	M59	X	-6.687	-6.687	0	%100
72	M59	Z	-11.583	-11.583	0	%100
73	M60	X	-6.994	-6.994	0	%100
74	M60	Z	-12.114	-12.114	0	%100
75	M61	X	-6.687	-6.687	0	%100
76	M61	Z	-11.583	-11.583	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-3.68	-3.68	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	MP5A	X	0	0	0	%100
6	MP5A	Z	-2.658	-2.658	0	%100
7	MP4A	X	0	0	0	%100
8	MP4A	Z	-2.658	-2.658	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	-2.658	-2.658	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-2.658	-2.658	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-2.658	-2.658	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	-.92	-.92	0	%100
17	MP5C	X	0	0	0	%100
18	MP5C	Z	-2.658	-2.658	0	%100
19	MP4C	X	0	0	0	%100
20	MP4C	Z	-2.658	-2.658	0	%100
21	MP3C	X	0	0	0	%100
22	MP3C	Z	-2.658	-2.658	0	%100
23	MP2C	X	0	0	0	%100
24	MP2C	Z	-2.658	-2.658	0	%100
25	MP1C	X	0	0	0	%100
26	MP1C	Z	-2.658	-2.658	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	-.92	-.92	0	%100
29	MP5B	X	0	0	0	%100
30	MP5B	Z	-2.658	-2.658	0	%100
31	MP4B	X	0	0	0	%100
32	MP4B	Z	-2.658	-2.658	0	%100
33	MP3B	X	0	0	0	%100
34	MP3B	Z	-2.658	-2.658	0	%100
35	MP2B	X	0	0	0	%100
36	MP2B	Z	-2.658	-2.658	0	%100
37	MP1B	X	0	0	0	%100
38	MP1B	Z	-2.658	-2.658	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	-2.76	-2.76	0	%100
41	M40	X	0	0	0	%100
42	M40	Z	-2.76	-2.76	0	%100
43	M44	X	0	0	0	%100
44	M44	Z	-2.442	-2.442	0	%100
45	M46	X	0	0	0	%100
46	M46	Z	-2.188	-2.188	0	%100
47	M47	X	0	0	0	%100
48	M47	Z	0	0	0	%100
49	M48	X	0	0	0	%100
50	M48	Z	0	0	0	%100
51	M49	X	0	0	0	%100
52	M49	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
53	M50	X	0	0	0	%100
54	M50	Z	0	0	0	%100
55	M51	X	0	0	0	%100
56	M51	Z	-1.674	-1.674	0	%100
57	M52	X	0	0	0	%100
58	M52	Z	-1.674	-1.674	0	%100
59	M53	X	0	0	0	%100
60	M53	Z	-1.674	-1.674	0	%100
61	M54	X	0	0	0	%100
62	M54	Z	-1.674	-1.674	0	%100
63	M55	X	0	0	0	%100
64	M55	Z	-1.674	-1.674	0	%100
65	M56	X	0	0	0	%100
66	M56	Z	-1.674	-1.674	0	%100
67	M57	X	0	0	0	%100
68	M57	Z	-1.674	-1.674	0	%100
69	M58	X	0	0	0	%100
70	M58	Z	-1.674	-1.674	0	%100
71	M59	X	0	0	0	%100
72	M59	Z	-2.962	-2.962	0	%100
73	M60	X	0	0	0	%100
74	M60	Z	-3.468	-3.468	0	%100
75	M61	X	0	0	0	%100
76	M61	Z	-3.468	-3.468	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	M1	X	1.38	1.38	0	%100
2	M1	Z	-2.39	-2.39	0	%100
3	M2	X	.46	.46	0	%100
4	M2	Z	-.797	-.797	0	%100
5	MP5A	X	1.329	1.329	0	%100
6	MP5A	Z	-2.302	-2.302	0	%100
7	MP4A	X	1.329	1.329	0	%100
8	MP4A	Z	-2.302	-2.302	0	%100
9	MP3A	X	1.329	1.329	0	%100
10	MP3A	Z	-2.302	-2.302	0	%100
11	MP2A	X	1.329	1.329	0	%100
12	MP2A	Z	-2.302	-2.302	0	%100
13	MP1A	X	1.329	1.329	0	%100
14	MP1A	Z	-2.302	-2.302	0	%100
15	M13	X	1.38	1.38	0	%100
16	M13	Z	-2.39	-2.39	0	%100
17	MP5C	X	1.329	1.329	0	%100
18	MP5C	Z	-2.302	-2.302	0	%100
19	MP4C	X	1.329	1.329	0	%100
20	MP4C	Z	-2.302	-2.302	0	%100
21	MP3C	X	1.329	1.329	0	%100
22	MP3C	Z	-2.302	-2.302	0	%100
23	MP2C	X	1.329	1.329	0	%100
24	MP2C	Z	-2.302	-2.302	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,%]
25	MP1C	X	1.329	1.329	0	%100
26	MP1C	Z	-2.302	-2.302	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	MP5B	X	1.329	1.329	0	%100
30	MP5B	Z	-2.302	-2.302	0	%100
31	MP4B	X	1.329	1.329	0	%100
32	MP4B	Z	-2.302	-2.302	0	%100
33	MP3B	X	1.329	1.329	0	%100
34	MP3B	Z	-2.302	-2.302	0	%100
35	MP2B	X	1.329	1.329	0	%100
36	MP2B	Z	-2.302	-2.302	0	%100
37	MP1B	X	1.329	1.329	0	%100
38	MP1B	Z	-2.302	-2.302	0	%100
39	M37	X	.46	.46	0	%100
40	M37	Z	-.797	-.797	0	%100
41	M40	X	1.84	1.84	0	%100
42	M40	Z	-3.187	-3.187	0	%100
43	M44	X	1.221	1.221	0	%100
44	M44	Z	-2.115	-2.115	0	%100
45	M46	X	1.094	1.094	0	%100
46	M46	Z	-1.895	-1.895	0	%100
47	M47	X	.279	.279	0	%100
48	M47	Z	-.483	-.483	0	%100
49	M48	X	.279	.279	0	%100
50	M48	Z	-.483	-.483	0	%100
51	M49	X	.279	.279	0	%100
52	M49	Z	-.483	-.483	0	%100
53	M50	X	.279	.279	0	%100
54	M50	Z	-.483	-.483	0	%100
55	M51	X	.279	.279	0	%100
56	M51	Z	-.483	-.483	0	%100
57	M52	X	.279	.279	0	%100
58	M52	Z	-.483	-.483	0	%100
59	M53	X	.279	.279	0	%100
60	M53	Z	-.483	-.483	0	%100
61	M54	X	.279	.279	0	%100
62	M54	Z	-.483	-.483	0	%100
63	M55	X	1.116	1.116	0	%100
64	M55	Z	-1.933	-1.933	0	%100
65	M56	X	1.116	1.116	0	%100
66	M56	Z	-1.933	-1.933	0	%100
67	M57	X	1.116	1.116	0	%100
68	M57	Z	-1.933	-1.933	0	%100
69	M58	X	1.116	1.116	0	%100
70	M58	Z	-1.933	-1.933	0	%100
71	M59	X	1.565	1.565	0	%100
72	M59	Z	-2.711	-2.711	0	%100
73	M60	X	1.565	1.565	0	%100
74	M60	Z	-2.711	-2.711	0	%100
75	M61	X	1.818	1.818	0	%100
76	M61	Z	-3.15	-3.15	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	M1	X	.797	.797	0	%100
2	M1	Z	-.46	-.46	0	%100
3	M2	X	2.39	2.39	0	%100
4	M2	Z	-1.38	-1.38	0	%100
5	MP5A	X	2.302	2.302	0	%100
6	MP5A	Z	-1.329	-1.329	0	%100
7	MP4A	X	2.302	2.302	0	%100
8	MP4A	Z	-1.329	-1.329	0	%100
9	MP3A	X	2.302	2.302	0	%100
10	MP3A	Z	-1.329	-1.329	0	%100
11	MP2A	X	2.302	2.302	0	%100
12	MP2A	Z	-1.329	-1.329	0	%100
13	MP1A	X	2.302	2.302	0	%100
14	MP1A	Z	-1.329	-1.329	0	%100
15	M13	X	3.187	3.187	0	%100
16	M13	Z	-1.84	-1.84	0	%100
17	MP5C	X	2.302	2.302	0	%100
18	MP5C	Z	-1.329	-1.329	0	%100
19	MP4C	X	2.302	2.302	0	%100
20	MP4C	Z	-1.329	-1.329	0	%100
21	MP3C	X	2.302	2.302	0	%100
22	MP3C	Z	-1.329	-1.329	0	%100
23	MP2C	X	2.302	2.302	0	%100
24	MP2C	Z	-1.329	-1.329	0	%100
25	MP1C	X	2.302	2.302	0	%100
26	MP1C	Z	-1.329	-1.329	0	%100
27	M24	X	.797	.797	0	%100
28	M24	Z	-.46	-.46	0	%100
29	MP5B	X	2.302	2.302	0	%100
30	MP5B	Z	-1.329	-1.329	0	%100
31	MP4B	X	2.302	2.302	0	%100
32	MP4B	Z	-1.329	-1.329	0	%100
33	MP3B	X	2.302	2.302	0	%100
34	MP3B	Z	-1.329	-1.329	0	%100
35	MP2B	X	2.302	2.302	0	%100
36	MP2B	Z	-1.329	-1.329	0	%100
37	MP1B	X	2.302	2.302	0	%100
38	MP1B	Z	-1.329	-1.329	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M40	X	2.39	2.39	0	%100
42	M40	Z	-1.38	-1.38	0	%100
43	M44	X	2.115	2.115	0	%100
44	M44	Z	-1.221	-1.221	0	%100
45	M46	X	1.895	1.895	0	%100
46	M46	Z	-1.094	-1.094	0	%100
47	M47	X	1.45	1.45	0	%100
48	M47	Z	-.837	-.837	0	%100
49	M48	X	1.45	1.45	0	%100
50	M48	Z	-.837	-.837	0	%100
51	M49	X	1.45	1.45	0	%100
52	M49	Z	-.837	-.837	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,%]
53	M50	X	1.45	1.45	0	%100
54	M50	Z	-.837	-.837	0	%100
55	M51	X	0	0	0	%100
56	M51	Z	0	0	0	%100
57	M52	X	0	0	0	%100
58	M52	Z	0	0	0	%100
59	M53	X	0	0	0	%100
60	M53	Z	0	0	0	%100
61	M54	X	0	0	0	%100
62	M54	Z	0	0	0	%100
63	M55	X	1.45	1.45	0	%100
64	M55	Z	-.837	-.837	0	%100
65	M56	X	1.45	1.45	0	%100
66	M56	Z	-.837	-.837	0	%100
67	M57	X	1.45	1.45	0	%100
68	M57	Z	-.837	-.837	0	%100
69	M58	X	1.45	1.45	0	%100
70	M58	Z	-.837	-.837	0	%100
71	M59	X	3.003	3.003	0	%100
72	M59	Z	-1.734	-1.734	0	%100
73	M60	X	2.565	2.565	0	%100
74	M60	Z	-1.481	-1.481	0	%100
75	M61	X	3.003	3.003	0	%100
76	M61	Z	-1.734	-1.734	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	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	3.68	3.68	0	%100
4	M2	Z	0	0	0	%100
5	MP5A	X	2.658	2.658	0	%100
6	MP5A	Z	0	0	0	%100
7	MP4A	X	2.658	2.658	0	%100
8	MP4A	Z	0	0	0	%100
9	MP3A	X	2.658	2.658	0	%100
10	MP3A	Z	0	0	0	%100
11	MP2A	X	2.658	2.658	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	2.658	2.658	0	%100
14	MP1A	Z	0	0	0	%100
15	M13	X	2.76	2.76	0	%100
16	M13	Z	0	0	0	%100
17	MP5C	X	2.658	2.658	0	%100
18	MP5C	Z	0	0	0	%100
19	MP4C	X	2.658	2.658	0	%100
20	MP4C	Z	0	0	0	%100
21	MP3C	X	2.658	2.658	0	%100
22	MP3C	Z	0	0	0	%100
23	MP2C	X	2.658	2.658	0	%100
24	MP2C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
25	MP1C	X	2.658	2.658	0	%100
26	MP1C	Z	0	0	0	%100
27	M24	X	2.76	2.76	0	%100
28	M24	Z	0	0	0	%100
29	MP5B	X	2.658	2.658	0	%100
30	MP5B	Z	0	0	0	%100
31	MP4B	X	2.658	2.658	0	%100
32	MP4B	Z	0	0	0	%100
33	MP3B	X	2.658	2.658	0	%100
34	MP3B	Z	0	0	0	%100
35	MP2B	X	2.658	2.658	0	%100
36	MP2B	Z	0	0	0	%100
37	MP1B	X	2.658	2.658	0	%100
38	MP1B	Z	0	0	0	%100
39	M37	X	.92	.92	0	%100
40	M37	Z	0	0	0	%100
41	M40	X	.92	.92	0	%100
42	M40	Z	0	0	0	%100
43	M44	X	2.442	2.442	0	%100
44	M44	Z	0	0	0	%100
45	M46	X	2.188	2.188	0	%100
46	M46	Z	0	0	0	%100
47	M47	X	2.232	2.232	0	%100
48	M47	Z	0	0	0	%100
49	M48	X	2.232	2.232	0	%100
50	M48	Z	0	0	0	%100
51	M49	X	2.232	2.232	0	%100
52	M49	Z	0	0	0	%100
53	M50	X	2.232	2.232	0	%100
54	M50	Z	0	0	0	%100
55	M51	X	.558	.558	0	%100
56	M51	Z	0	0	0	%100
57	M52	X	.558	.558	0	%100
58	M52	Z	0	0	0	%100
59	M53	X	.558	.558	0	%100
60	M53	Z	0	0	0	%100
61	M54	X	.558	.558	0	%100
62	M54	Z	0	0	0	%100
63	M55	X	.558	.558	0	%100
64	M55	Z	0	0	0	%100
65	M56	X	.558	.558	0	%100
66	M56	Z	0	0	0	%100
67	M57	X	.558	.558	0	%100
68	M57	Z	0	0	0	%100
69	M58	X	.558	.558	0	%100
70	M58	Z	0	0	0	%100
71	M59	X	3.637	3.637	0	%100
72	M59	Z	0	0	0	%100
73	M60	X	3.13	3.13	0	%100
74	M60	Z	0	0	0	%100
75	M61	X	3.13	3.13	0	%100
76	M61	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	M1	X	.797	.797	0	%100
2	M1	Z	.46	.46	0	%100
3	M2	X	2.39	2.39	0	%100
4	M2	Z	1.38	1.38	0	%100
5	MP5A	X	2.302	2.302	0	%100
6	MP5A	Z	1.329	1.329	0	%100
7	MP4A	X	2.302	2.302	0	%100
8	MP4A	Z	1.329	1.329	0	%100
9	MP3A	X	2.302	2.302	0	%100
10	MP3A	Z	1.329	1.329	0	%100
11	MP2A	X	2.302	2.302	0	%100
12	MP2A	Z	1.329	1.329	0	%100
13	MP1A	X	2.302	2.302	0	%100
14	MP1A	Z	1.329	1.329	0	%100
15	M13	X	.797	.797	0	%100
16	M13	Z	.46	.46	0	%100
17	MP5C	X	2.302	2.302	0	%100
18	MP5C	Z	1.329	1.329	0	%100
19	MP4C	X	2.302	2.302	0	%100
20	MP4C	Z	1.329	1.329	0	%100
21	MP3C	X	2.302	2.302	0	%100
22	MP3C	Z	1.329	1.329	0	%100
23	MP2C	X	2.302	2.302	0	%100
24	MP2C	Z	1.329	1.329	0	%100
25	MP1C	X	2.302	2.302	0	%100
26	MP1C	Z	1.329	1.329	0	%100
27	M24	X	3.187	3.187	0	%100
28	M24	Z	1.84	1.84	0	%100
29	MP5B	X	2.302	2.302	0	%100
30	MP5B	Z	1.329	1.329	0	%100
31	MP4B	X	2.302	2.302	0	%100
32	MP4B	Z	1.329	1.329	0	%100
33	MP3B	X	2.302	2.302	0	%100
34	MP3B	Z	1.329	1.329	0	%100
35	MP2B	X	2.302	2.302	0	%100
36	MP2B	Z	1.329	1.329	0	%100
37	MP1B	X	2.302	2.302	0	%100
38	MP1B	Z	1.329	1.329	0	%100
39	M37	X	2.39	2.39	0	%100
40	M37	Z	1.38	1.38	0	%100
41	M40	X	0	0	0	%100
42	M40	Z	0	0	0	%100
43	M44	X	2.115	2.115	0	%100
44	M44	Z	1.221	1.221	0	%100
45	M46	X	1.895	1.895	0	%100
46	M46	Z	1.094	1.094	0	%100
47	M47	X	1.45	1.45	0	%100
48	M47	Z	.837	.837	0	%100
49	M48	X	1.45	1.45	0	%100
50	M48	Z	.837	.837	0	%100
51	M49	X	1.45	1.45	0	%100
52	M49	Z	.837	.837	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	M50	X	1.45	1.45	0	%100
54	M50	Z	.837	.837	0	%100
55	M51	X	1.45	1.45	0	%100
56	M51	Z	.837	.837	0	%100
57	M52	X	1.45	1.45	0	%100
58	M52	Z	.837	.837	0	%100
59	M53	X	1.45	1.45	0	%100
60	M53	Z	.837	.837	0	%100
61	M54	X	1.45	1.45	0	%100
62	M54	Z	.837	.837	0	%100
63	M55	X	0	0	0	%100
64	M55	Z	0	0	0	%100
65	M56	X	0	0	0	%100
66	M56	Z	0	0	0	%100
67	M57	X	0	0	0	%100
68	M57	Z	0	0	0	%100
69	M58	X	0	0	0	%100
70	M58	Z	0	0	0	%100
71	M59	X	3.003	3.003	0	%100
72	M59	Z	1.734	1.734	0	%100
73	M60	X	3.003	3.003	0	%100
74	M60	Z	1.734	1.734	0	%100
75	M61	X	2.565	2.565	0	%100
76	M61	Z	1.481	1.481	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	M1	X	1.38	1.38	0	%100
2	M1	Z	2.39	2.39	0	%100
3	M2	X	.46	.46	0	%100
4	M2	Z	.797	.797	0	%100
5	MP5A	X	1.329	1.329	0	%100
6	MP5A	Z	2.302	2.302	0	%100
7	MP4A	X	1.329	1.329	0	%100
8	MP4A	Z	2.302	2.302	0	%100
9	MP3A	X	1.329	1.329	0	%100
10	MP3A	Z	2.302	2.302	0	%100
11	MP2A	X	1.329	1.329	0	%100
12	MP2A	Z	2.302	2.302	0	%100
13	MP1A	X	1.329	1.329	0	%100
14	MP1A	Z	2.302	2.302	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	0	0	0	%100
17	MP5C	X	1.329	1.329	0	%100
18	MP5C	Z	2.302	2.302	0	%100
19	MP4C	X	1.329	1.329	0	%100
20	MP4C	Z	2.302	2.302	0	%100
21	MP3C	X	1.329	1.329	0	%100
22	MP3C	Z	2.302	2.302	0	%100
23	MP2C	X	1.329	1.329	0	%100
24	MP2C	Z	2.302	2.302	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,%]
25	MP1C	X	1.329	1.329	0	%100
26	MP1C	Z	2.302	2.302	0	%100
27	M24	X	1.38	1.38	0	%100
28	M24	Z	2.39	2.39	0	%100
29	MP5B	X	1.329	1.329	0	%100
30	MP5B	Z	2.302	2.302	0	%100
31	MP4B	X	1.329	1.329	0	%100
32	MP4B	Z	2.302	2.302	0	%100
33	MP3B	X	1.329	1.329	0	%100
34	MP3B	Z	2.302	2.302	0	%100
35	MP2B	X	1.329	1.329	0	%100
36	MP2B	Z	2.302	2.302	0	%100
37	MP1B	X	1.329	1.329	0	%100
38	MP1B	Z	2.302	2.302	0	%100
39	M37	X	1.84	1.84	0	%100
40	M37	Z	3.187	3.187	0	%100
41	M40	X	.46	.46	0	%100
42	M40	Z	.797	.797	0	%100
43	M44	X	1.221	1.221	0	%100
44	M44	Z	2.115	2.115	0	%100
45	M46	X	1.094	1.094	0	%100
46	M46	Z	1.895	1.895	0	%100
47	M47	X	.279	.279	0	%100
48	M47	Z	.483	.483	0	%100
49	M48	X	.279	.279	0	%100
50	M48	Z	.483	.483	0	%100
51	M49	X	.279	.279	0	%100
52	M49	Z	.483	.483	0	%100
53	M50	X	.279	.279	0	%100
54	M50	Z	.483	.483	0	%100
55	M51	X	1.116	1.116	0	%100
56	M51	Z	1.933	1.933	0	%100
57	M52	X	1.116	1.116	0	%100
58	M52	Z	1.933	1.933	0	%100
59	M53	X	1.116	1.116	0	%100
60	M53	Z	1.933	1.933	0	%100
61	M54	X	1.116	1.116	0	%100
62	M54	Z	1.933	1.933	0	%100
63	M55	X	.279	.279	0	%100
64	M55	Z	.483	.483	0	%100
65	M56	X	.279	.279	0	%100
66	M56	Z	.483	.483	0	%100
67	M57	X	.279	.279	0	%100
68	M57	Z	.483	.483	0	%100
69	M58	X	.279	.279	0	%100
70	M58	Z	.483	.483	0	%100
71	M59	X	1.565	1.565	0	%100
72	M59	Z	2.711	2.711	0	%100
73	M60	X	1.818	1.818	0	%100
74	M60	Z	3.15	3.15	0	%100
75	M61	X	1.565	1.565	0	%100
76	M61	Z	2.711	2.711	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	M1	X	0	0	0	%100
2	M1	Z	3.68	3.68	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	MP5A	X	0	0	0	%100
6	MP5A	Z	2.658	2.658	0	%100
7	MP4A	X	0	0	0	%100
8	MP4A	Z	2.658	2.658	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	2.658	2.658	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	2.658	2.658	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	2.658	2.658	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	.92	.92	0	%100
17	MP5C	X	0	0	0	%100
18	MP5C	Z	2.658	2.658	0	%100
19	MP4C	X	0	0	0	%100
20	MP4C	Z	2.658	2.658	0	%100
21	MP3C	X	0	0	0	%100
22	MP3C	Z	2.658	2.658	0	%100
23	MP2C	X	0	0	0	%100
24	MP2C	Z	2.658	2.658	0	%100
25	MP1C	X	0	0	0	%100
26	MP1C	Z	2.658	2.658	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	.92	.92	0	%100
29	MP5B	X	0	0	0	%100
30	MP5B	Z	2.658	2.658	0	%100
31	MP4B	X	0	0	0	%100
32	MP4B	Z	2.658	2.658	0	%100
33	MP3B	X	0	0	0	%100
34	MP3B	Z	2.658	2.658	0	%100
35	MP2B	X	0	0	0	%100
36	MP2B	Z	2.658	2.658	0	%100
37	MP1B	X	0	0	0	%100
38	MP1B	Z	2.658	2.658	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	2.76	2.76	0	%100
41	M40	X	0	0	0	%100
42	M40	Z	2.76	2.76	0	%100
43	M44	X	0	0	0	%100
44	M44	Z	2.442	2.442	0	%100
45	M46	X	0	0	0	%100
46	M46	Z	2.188	2.188	0	%100
47	M47	X	0	0	0	%100
48	M47	Z	0	0	0	%100
49	M48	X	0	0	0	%100
50	M48	Z	0	0	0	%100
51	M49	X	0	0	0	%100
52	M49	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
53	M50	X	0	0	0	%100
54	M50	Z	0	0	0	%100
55	M51	X	0	0	0	%100
56	M51	Z	1.674	1.674	0	%100
57	M52	X	0	0	0	%100
58	M52	Z	1.674	1.674	0	%100
59	M53	X	0	0	0	%100
60	M53	Z	1.674	1.674	0	%100
61	M54	X	0	0	0	%100
62	M54	Z	1.674	1.674	0	%100
63	M55	X	0	0	0	%100
64	M55	Z	1.674	1.674	0	%100
65	M56	X	0	0	0	%100
66	M56	Z	1.674	1.674	0	%100
67	M57	X	0	0	0	%100
68	M57	Z	1.674	1.674	0	%100
69	M58	X	0	0	0	%100
70	M58	Z	1.674	1.674	0	%100
71	M59	X	0	0	0	%100
72	M59	Z	2.962	2.962	0	%100
73	M60	X	0	0	0	%100
74	M60	Z	3.468	3.468	0	%100
75	M61	X	0	0	0	%100
76	M61	Z	3.468	3.468	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	M1	X	-1.38	-1.38	0	%100
2	M1	Z	2.39	2.39	0	%100
3	M2	X	-.46	-.46	0	%100
4	M2	Z	.797	.797	0	%100
5	MP5A	X	-1.329	-1.329	0	%100
6	MP5A	Z	2.302	2.302	0	%100
7	MP4A	X	-1.329	-1.329	0	%100
8	MP4A	Z	2.302	2.302	0	%100
9	MP3A	X	-1.329	-1.329	0	%100
10	MP3A	Z	2.302	2.302	0	%100
11	MP2A	X	-1.329	-1.329	0	%100
12	MP2A	Z	2.302	2.302	0	%100
13	MP1A	X	-1.329	-1.329	0	%100
14	MP1A	Z	2.302	2.302	0	%100
15	M13	X	-1.38	-1.38	0	%100
16	M13	Z	2.39	2.39	0	%100
17	MP5C	X	-1.329	-1.329	0	%100
18	MP5C	Z	2.302	2.302	0	%100
19	MP4C	X	-1.329	-1.329	0	%100
20	MP4C	Z	2.302	2.302	0	%100
21	MP3C	X	-1.329	-1.329	0	%100
22	MP3C	Z	2.302	2.302	0	%100
23	MP2C	X	-1.329	-1.329	0	%100
24	MP2C	Z	2.302	2.302	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,%]
25	MP1C	X	-1.329	-1.329	0	%100
26	MP1C	Z	2.302	2.302	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	MP5B	X	-1.329	-1.329	0	%100
30	MP5B	Z	2.302	2.302	0	%100
31	MP4B	X	-1.329	-1.329	0	%100
32	MP4B	Z	2.302	2.302	0	%100
33	MP3B	X	-1.329	-1.329	0	%100
34	MP3B	Z	2.302	2.302	0	%100
35	MP2B	X	-1.329	-1.329	0	%100
36	MP2B	Z	2.302	2.302	0	%100
37	MP1B	X	-1.329	-1.329	0	%100
38	MP1B	Z	2.302	2.302	0	%100
39	M37	X	-.46	-.46	0	%100
40	M37	Z	.797	.797	0	%100
41	M40	X	-1.84	-1.84	0	%100
42	M40	Z	3.187	3.187	0	%100
43	M44	X	-1.221	-1.221	0	%100
44	M44	Z	2.115	2.115	0	%100
45	M46	X	-1.094	-1.094	0	%100
46	M46	Z	1.895	1.895	0	%100
47	M47	X	-.279	-.279	0	%100
48	M47	Z	.483	.483	0	%100
49	M48	X	-.279	-.279	0	%100
50	M48	Z	.483	.483	0	%100
51	M49	X	-.279	-.279	0	%100
52	M49	Z	.483	.483	0	%100
53	M50	X	-.279	-.279	0	%100
54	M50	Z	.483	.483	0	%100
55	M51	X	-.279	-.279	0	%100
56	M51	Z	.483	.483	0	%100
57	M52	X	-.279	-.279	0	%100
58	M52	Z	.483	.483	0	%100
59	M53	X	-.279	-.279	0	%100
60	M53	Z	.483	.483	0	%100
61	M54	X	-.279	-.279	0	%100
62	M54	Z	.483	.483	0	%100
63	M55	X	-1.116	-1.116	0	%100
64	M55	Z	1.933	1.933	0	%100
65	M56	X	-1.116	-1.116	0	%100
66	M56	Z	1.933	1.933	0	%100
67	M57	X	-1.116	-1.116	0	%100
68	M57	Z	1.933	1.933	0	%100
69	M58	X	-1.116	-1.116	0	%100
70	M58	Z	1.933	1.933	0	%100
71	M59	X	-1.565	-1.565	0	%100
72	M59	Z	2.711	2.711	0	%100
73	M60	X	-1.565	-1.565	0	%100
74	M60	Z	2.711	2.711	0	%100
75	M61	X	-1.818	-1.818	0	%100
76	M61	Z	3.15	3.15	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	M1	X	-.797	-.797	0	%100
2	M1	Z	.46	.46	0	%100
3	M2	X	-2.39	-2.39	0	%100
4	M2	Z	1.38	1.38	0	%100
5	MP5A	X	-2.302	-2.302	0	%100
6	MP5A	Z	1.329	1.329	0	%100
7	MP4A	X	-2.302	-2.302	0	%100
8	MP4A	Z	1.329	1.329	0	%100
9	MP3A	X	-2.302	-2.302	0	%100
10	MP3A	Z	1.329	1.329	0	%100
11	MP2A	X	-2.302	-2.302	0	%100
12	MP2A	Z	1.329	1.329	0	%100
13	MP1A	X	-2.302	-2.302	0	%100
14	MP1A	Z	1.329	1.329	0	%100
15	M13	X	-3.187	-3.187	0	%100
16	M13	Z	1.84	1.84	0	%100
17	MP5C	X	-2.302	-2.302	0	%100
18	MP5C	Z	1.329	1.329	0	%100
19	MP4C	X	-2.302	-2.302	0	%100
20	MP4C	Z	1.329	1.329	0	%100
21	MP3C	X	-2.302	-2.302	0	%100
22	MP3C	Z	1.329	1.329	0	%100
23	MP2C	X	-2.302	-2.302	0	%100
24	MP2C	Z	1.329	1.329	0	%100
25	MP1C	X	-2.302	-2.302	0	%100
26	MP1C	Z	1.329	1.329	0	%100
27	M24	X	-.797	-.797	0	%100
28	M24	Z	.46	.46	0	%100
29	MP5B	X	-2.302	-2.302	0	%100
30	MP5B	Z	1.329	1.329	0	%100
31	MP4B	X	-2.302	-2.302	0	%100
32	MP4B	Z	1.329	1.329	0	%100
33	MP3B	X	-2.302	-2.302	0	%100
34	MP3B	Z	1.329	1.329	0	%100
35	MP2B	X	-2.302	-2.302	0	%100
36	MP2B	Z	1.329	1.329	0	%100
37	MP1B	X	-2.302	-2.302	0	%100
38	MP1B	Z	1.329	1.329	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M40	X	-2.39	-2.39	0	%100
42	M40	Z	1.38	1.38	0	%100
43	M44	X	-2.115	-2.115	0	%100
44	M44	Z	1.221	1.221	0	%100
45	M46	X	-1.895	-1.895	0	%100
46	M46	Z	1.094	1.094	0	%100
47	M47	X	-1.45	-1.45	0	%100
48	M47	Z	.837	.837	0	%100
49	M48	X	-1.45	-1.45	0	%100
50	M48	Z	.837	.837	0	%100
51	M49	X	-1.45	-1.45	0	%100
52	M49	Z	.837	.837	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
53	M50	X	-1.45	-1.45	0	%100
54	M50	Z	.837	.837	0	%100
55	M51	X	0	0	0	%100
56	M51	Z	0	0	0	%100
57	M52	X	0	0	0	%100
58	M52	Z	0	0	0	%100
59	M53	X	0	0	0	%100
60	M53	Z	0	0	0	%100
61	M54	X	0	0	0	%100
62	M54	Z	0	0	0	%100
63	M55	X	-1.45	-1.45	0	%100
64	M55	Z	.837	.837	0	%100
65	M56	X	-1.45	-1.45	0	%100
66	M56	Z	.837	.837	0	%100
67	M57	X	-1.45	-1.45	0	%100
68	M57	Z	.837	.837	0	%100
69	M58	X	-1.45	-1.45	0	%100
70	M58	Z	.837	.837	0	%100
71	M59	X	-3.003	-3.003	0	%100
72	M59	Z	1.734	1.734	0	%100
73	M60	X	-2.565	-2.565	0	%100
74	M60	Z	1.481	1.481	0	%100
75	M61	X	-3.003	-3.003	0	%100
76	M61	Z	1.734	1.734	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-3.68	-3.68	0	%100
4	M2	Z	0	0	0	%100
5	MP5A	X	-2.658	-2.658	0	%100
6	MP5A	Z	0	0	0	%100
7	MP4A	X	-2.658	-2.658	0	%100
8	MP4A	Z	0	0	0	%100
9	MP3A	X	-2.658	-2.658	0	%100
10	MP3A	Z	0	0	0	%100
11	MP2A	X	-2.658	-2.658	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-2.658	-2.658	0	%100
14	MP1A	Z	0	0	0	%100
15	M13	X	-2.76	-2.76	0	%100
16	M13	Z	0	0	0	%100
17	MP5C	X	-2.658	-2.658	0	%100
18	MP5C	Z	0	0	0	%100
19	MP4C	X	-2.658	-2.658	0	%100
20	MP4C	Z	0	0	0	%100
21	MP3C	X	-2.658	-2.658	0	%100
22	MP3C	Z	0	0	0	%100
23	MP2C	X	-2.658	-2.658	0	%100
24	MP2C	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,%]
25	MP1C	X	-2.658	-2.658	0	%100
26	MP1C	Z	0	0	0	%100
27	M24	X	-2.76	-2.76	0	%100
28	M24	Z	0	0	0	%100
29	MP5B	X	-2.658	-2.658	0	%100
30	MP5B	Z	0	0	0	%100
31	MP4B	X	-2.658	-2.658	0	%100
32	MP4B	Z	0	0	0	%100
33	MP3B	X	-2.658	-2.658	0	%100
34	MP3B	Z	0	0	0	%100
35	MP2B	X	-2.658	-2.658	0	%100
36	MP2B	Z	0	0	0	%100
37	MP1B	X	-2.658	-2.658	0	%100
38	MP1B	Z	0	0	0	%100
39	M37	X	-.92	-.92	0	%100
40	M37	Z	0	0	0	%100
41	M40	X	-.92	-.92	0	%100
42	M40	Z	0	0	0	%100
43	M44	X	-2.442	-2.442	0	%100
44	M44	Z	0	0	0	%100
45	M46	X	-2.188	-2.188	0	%100
46	M46	Z	0	0	0	%100
47	M47	X	-2.232	-2.232	0	%100
48	M47	Z	0	0	0	%100
49	M48	X	-2.232	-2.232	0	%100
50	M48	Z	0	0	0	%100
51	M49	X	-2.232	-2.232	0	%100
52	M49	Z	0	0	0	%100
53	M50	X	-2.232	-2.232	0	%100
54	M50	Z	0	0	0	%100
55	M51	X	-.558	-.558	0	%100
56	M51	Z	0	0	0	%100
57	M52	X	-.558	-.558	0	%100
58	M52	Z	0	0	0	%100
59	M53	X	-.558	-.558	0	%100
60	M53	Z	0	0	0	%100
61	M54	X	-.558	-.558	0	%100
62	M54	Z	0	0	0	%100
63	M55	X	-.558	-.558	0	%100
64	M55	Z	0	0	0	%100
65	M56	X	-.558	-.558	0	%100
66	M56	Z	0	0	0	%100
67	M57	X	-.558	-.558	0	%100
68	M57	Z	0	0	0	%100
69	M58	X	-.558	-.558	0	%100
70	M58	Z	0	0	0	%100
71	M59	X	-3.637	-3.637	0	%100
72	M59	Z	0	0	0	%100
73	M60	X	-3.13	-3.13	0	%100
74	M60	Z	0	0	0	%100
75	M61	X	-3.13	-3.13	0	%100
76	M61	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	M1	X	-.797	-.797	0	%100
2	M1	Z	-.46	-.46	0	%100
3	M2	X	-2.39	-2.39	0	%100
4	M2	Z	-1.38	-1.38	0	%100
5	MP5A	X	-2.302	-2.302	0	%100
6	MP5A	Z	-1.329	-1.329	0	%100
7	MP4A	X	-2.302	-2.302	0	%100
8	MP4A	Z	-1.329	-1.329	0	%100
9	MP3A	X	-2.302	-2.302	0	%100
10	MP3A	Z	-1.329	-1.329	0	%100
11	MP2A	X	-2.302	-2.302	0	%100
12	MP2A	Z	-1.329	-1.329	0	%100
13	MP1A	X	-2.302	-2.302	0	%100
14	MP1A	Z	-1.329	-1.329	0	%100
15	M13	X	-.797	-.797	0	%100
16	M13	Z	-.46	-.46	0	%100
17	MP5C	X	-2.302	-2.302	0	%100
18	MP5C	Z	-1.329	-1.329	0	%100
19	MP4C	X	-2.302	-2.302	0	%100
20	MP4C	Z	-1.329	-1.329	0	%100
21	MP3C	X	-2.302	-2.302	0	%100
22	MP3C	Z	-1.329	-1.329	0	%100
23	MP2C	X	-2.302	-2.302	0	%100
24	MP2C	Z	-1.329	-1.329	0	%100
25	MP1C	X	-2.302	-2.302	0	%100
26	MP1C	Z	-1.329	-1.329	0	%100
27	M24	X	-3.187	-3.187	0	%100
28	M24	Z	-1.84	-1.84	0	%100
29	MP5B	X	-2.302	-2.302	0	%100
30	MP5B	Z	-1.329	-1.329	0	%100
31	MP4B	X	-2.302	-2.302	0	%100
32	MP4B	Z	-1.329	-1.329	0	%100
33	MP3B	X	-2.302	-2.302	0	%100
34	MP3B	Z	-1.329	-1.329	0	%100
35	MP2B	X	-2.302	-2.302	0	%100
36	MP2B	Z	-1.329	-1.329	0	%100
37	MP1B	X	-2.302	-2.302	0	%100
38	MP1B	Z	-1.329	-1.329	0	%100
39	M37	X	-2.39	-2.39	0	%100
40	M37	Z	-1.38	-1.38	0	%100
41	M40	X	0	0	0	%100
42	M40	Z	0	0	0	%100
43	M44	X	-2.115	-2.115	0	%100
44	M44	Z	-1.221	-1.221	0	%100
45	M46	X	-1.895	-1.895	0	%100
46	M46	Z	-1.094	-1.094	0	%100
47	M47	X	-1.45	-1.45	0	%100
48	M47	Z	-.837	-.837	0	%100
49	M48	X	-1.45	-1.45	0	%100
50	M48	Z	-.837	-.837	0	%100
51	M49	X	-1.45	-1.45	0	%100
52	M49	Z	-.837	-.837	0	%100

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,%]
53	M50	X	-1.45	-1.45	0	%100
54	M50	Z	-.837	-.837	0	%100
55	M51	X	-1.45	-1.45	0	%100
56	M51	Z	-.837	-.837	0	%100
57	M52	X	-1.45	-1.45	0	%100
58	M52	Z	-.837	-.837	0	%100
59	M53	X	-1.45	-1.45	0	%100
60	M53	Z	-.837	-.837	0	%100
61	M54	X	-1.45	-1.45	0	%100
62	M54	Z	-.837	-.837	0	%100
63	M55	X	0	0	0	%100
64	M55	Z	0	0	0	%100
65	M56	X	0	0	0	%100
66	M56	Z	0	0	0	%100
67	M57	X	0	0	0	%100
68	M57	Z	0	0	0	%100
69	M58	X	0	0	0	%100
70	M58	Z	0	0	0	%100
71	M59	X	-3.003	-3.003	0	%100
72	M59	Z	-1.734	-1.734	0	%100
73	M60	X	-3.003	-3.003	0	%100
74	M60	Z	-1.734	-1.734	0	%100
75	M61	X	-2.565	-2.565	0	%100
76	M61	Z	-1.481	-1.481	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	M1	X	-1.38	-1.38	0	%100
2	M1	Z	-2.39	-2.39	0	%100
3	M2	X	-.46	-.46	0	%100
4	M2	Z	-.797	-.797	0	%100
5	MP5A	X	-1.329	-1.329	0	%100
6	MP5A	Z	-2.302	-2.302	0	%100
7	MP4A	X	-1.329	-1.329	0	%100
8	MP4A	Z	-2.302	-2.302	0	%100
9	MP3A	X	-1.329	-1.329	0	%100
10	MP3A	Z	-2.302	-2.302	0	%100
11	MP2A	X	-1.329	-1.329	0	%100
12	MP2A	Z	-2.302	-2.302	0	%100
13	MP1A	X	-1.329	-1.329	0	%100
14	MP1A	Z	-2.302	-2.302	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	0	0	0	%100
17	MP5C	X	-1.329	-1.329	0	%100
18	MP5C	Z	-2.302	-2.302	0	%100
19	MP4C	X	-1.329	-1.329	0	%100
20	MP4C	Z	-2.302	-2.302	0	%100
21	MP3C	X	-1.329	-1.329	0	%100
22	MP3C	Z	-2.302	-2.302	0	%100
23	MP2C	X	-1.329	-1.329	0	%100
24	MP2C	Z	-2.302	-2.302	0	%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,%]
25	MP1C	X	-1.329	-1.329	0	%100
26	MP1C	Z	-2.302	-2.302	0	%100
27	M24	X	-1.38	-1.38	0	%100
28	M24	Z	-2.39	-2.39	0	%100
29	MP5B	X	-1.329	-1.329	0	%100
30	MP5B	Z	-2.302	-2.302	0	%100
31	MP4B	X	-1.329	-1.329	0	%100
32	MP4B	Z	-2.302	-2.302	0	%100
33	MP3B	X	-1.329	-1.329	0	%100
34	MP3B	Z	-2.302	-2.302	0	%100
35	MP2B	X	-1.329	-1.329	0	%100
36	MP2B	Z	-2.302	-2.302	0	%100
37	MP1B	X	-1.329	-1.329	0	%100
38	MP1B	Z	-2.302	-2.302	0	%100
39	M37	X	-1.84	-1.84	0	%100
40	M37	Z	-3.187	-3.187	0	%100
41	M40	X	-.46	-.46	0	%100
42	M40	Z	-.797	-.797	0	%100
43	M44	X	-1.221	-1.221	0	%100
44	M44	Z	-2.115	-2.115	0	%100
45	M46	X	-1.094	-1.094	0	%100
46	M46	Z	-1.895	-1.895	0	%100
47	M47	X	-.279	-.279	0	%100
48	M47	Z	-.483	-.483	0	%100
49	M48	X	-.279	-.279	0	%100
50	M48	Z	-.483	-.483	0	%100
51	M49	X	-.279	-.279	0	%100
52	M49	Z	-.483	-.483	0	%100
53	M50	X	-.279	-.279	0	%100
54	M50	Z	-.483	-.483	0	%100
55	M51	X	-1.116	-1.116	0	%100
56	M51	Z	-1.933	-1.933	0	%100
57	M52	X	-1.116	-1.116	0	%100
58	M52	Z	-1.933	-1.933	0	%100
59	M53	X	-1.116	-1.116	0	%100
60	M53	Z	-1.933	-1.933	0	%100
61	M54	X	-1.116	-1.116	0	%100
62	M54	Z	-1.933	-1.933	0	%100
63	M55	X	-.279	-.279	0	%100
64	M55	Z	-.483	-.483	0	%100
65	M56	X	-.279	-.279	0	%100
66	M56	Z	-.483	-.483	0	%100
67	M57	X	-.279	-.279	0	%100
68	M57	Z	-.483	-.483	0	%100
69	M58	X	-.279	-.279	0	%100
70	M58	Z	-.483	-.483	0	%100
71	M59	X	-1.565	-1.565	0	%100
72	M59	Z	-2.711	-2.711	0	%100
73	M60	X	-1.818	-1.818	0	%100
74	M60	Z	-3.15	-3.15	0	%100
75	M61	X	-1.565	-1.565	0	%100
76	M61	Z	-2.711	-2.711	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	M1	X	0	0	0	%100
2	M1	Z	-.856	-.856	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	MP5A	X	0	0	0	%100
6	MP5A	Z	-.488	-.488	0	%100
7	MP4A	X	0	0	0	%100
8	MP4A	Z	-.488	-.488	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	-.488	-.488	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-.488	-.488	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-.488	-.488	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	-.214	-.214	0	%100
17	MP5C	X	0	0	0	%100
18	MP5C	Z	-.488	-.488	0	%100
19	MP4C	X	0	0	0	%100
20	MP4C	Z	-.488	-.488	0	%100
21	MP3C	X	0	0	0	%100
22	MP3C	Z	-.488	-.488	0	%100
23	MP2C	X	0	0	0	%100
24	MP2C	Z	-.488	-.488	0	%100
25	MP1C	X	0	0	0	%100
26	MP1C	Z	-.488	-.488	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	-.214	-.214	0	%100
29	MP5B	X	0	0	0	%100
30	MP5B	Z	-.488	-.488	0	%100
31	MP4B	X	0	0	0	%100
32	MP4B	Z	-.488	-.488	0	%100
33	MP3B	X	0	0	0	%100
34	MP3B	Z	-.488	-.488	0	%100
35	MP2B	X	0	0	0	%100
36	MP2B	Z	-.488	-.488	0	%100
37	MP1B	X	0	0	0	%100
38	MP1B	Z	-.488	-.488	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	-.642	-.642	0	%100
41	M40	X	0	0	0	%100
42	M40	Z	-.642	-.642	0	%100
43	M44	X	0	0	0	%100
44	M44	Z	-.445	-.445	0	%100
45	M46	X	0	0	0	%100
46	M46	Z	-.399	-.399	0	%100
47	M47	X	0	0	0	%100
48	M47	Z	0	0	0	%100
49	M48	X	0	0	0	%100
50	M48	Z	0	0	0	%100
51	M49	X	0	0	0	%100
52	M49	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
53	M50	X	0	0	0	%100
54	M50	Z	0	0	0	%100
55	M51	X	0	0	0	%100
56	M51	Z	-.368	-.368	0	%100
57	M52	X	0	0	0	%100
58	M52	Z	-.368	-.368	0	%100
59	M53	X	0	0	0	%100
60	M53	Z	-.368	-.368	0	%100
61	M54	X	0	0	0	%100
62	M54	Z	-.368	-.368	0	%100
63	M55	X	0	0	0	%100
64	M55	Z	-.368	-.368	0	%100
65	M56	X	0	0	0	%100
66	M56	Z	-.368	-.368	0	%100
67	M57	X	0	0	0	%100
68	M57	Z	-.368	-.368	0	%100
69	M58	X	0	0	0	%100
70	M58	Z	-.368	-.368	0	%100
71	M59	X	0	0	0	%100
72	M59	Z	-.823	-.823	0	%100
73	M60	X	0	0	0	%100
74	M60	Z	-.861	-.861	0	%100
75	M61	X	0	0	0	%100
76	M61	Z	-.861	-.861	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.321	.321	0	%100
2	M1	Z	-.556	-.556	0	%100
3	M2	X	.107	.107	0	%100
4	M2	Z	-.185	-.185	0	%100
5	MP5A	X	.244	.244	0	%100
6	MP5A	Z	-.423	-.423	0	%100
7	MP4A	X	.244	.244	0	%100
8	MP4A	Z	-.423	-.423	0	%100
9	MP3A	X	.244	.244	0	%100
10	MP3A	Z	-.423	-.423	0	%100
11	MP2A	X	.244	.244	0	%100
12	MP2A	Z	-.423	-.423	0	%100
13	MP1A	X	.244	.244	0	%100
14	MP1A	Z	-.423	-.423	0	%100
15	M13	X	.321	.321	0	%100
16	M13	Z	-.556	-.556	0	%100
17	MP5C	X	.244	.244	0	%100
18	MP5C	Z	-.423	-.423	0	%100
19	MP4C	X	.244	.244	0	%100
20	MP4C	Z	-.423	-.423	0	%100
21	MP3C	X	.244	.244	0	%100
22	MP3C	Z	-.423	-.423	0	%100
23	MP2C	X	.244	.244	0	%100
24	MP2C	Z	-.423	-.423	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,%]
25	MP1C	X	.244	.244	0	%100
26	MP1C	Z	-.423	-.423	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	MP5B	X	.244	.244	0	%100
30	MP5B	Z	-.423	-.423	0	%100
31	MP4B	X	.244	.244	0	%100
32	MP4B	Z	-.423	-.423	0	%100
33	MP3B	X	.244	.244	0	%100
34	MP3B	Z	-.423	-.423	0	%100
35	MP2B	X	.244	.244	0	%100
36	MP2B	Z	-.423	-.423	0	%100
37	MP1B	X	.244	.244	0	%100
38	MP1B	Z	-.423	-.423	0	%100
39	M37	X	.107	.107	0	%100
40	M37	Z	-.185	-.185	0	%100
41	M40	X	.428	.428	0	%100
42	M40	Z	-.741	-.741	0	%100
43	M44	X	.222	.222	0	%100
44	M44	Z	-.385	-.385	0	%100
45	M46	X	.2	.2	0	%100
46	M46	Z	-.346	-.346	0	%100
47	M47	X	.061	.061	0	%100
48	M47	Z	-.106	-.106	0	%100
49	M48	X	.061	.061	0	%100
50	M48	Z	-.106	-.106	0	%100
51	M49	X	.061	.061	0	%100
52	M49	Z	-.106	-.106	0	%100
53	M50	X	.061	.061	0	%100
54	M50	Z	-.106	-.106	0	%100
55	M51	X	.061	.061	0	%100
56	M51	Z	-.106	-.106	0	%100
57	M52	X	.061	.061	0	%100
58	M52	Z	-.106	-.106	0	%100
59	M53	X	.061	.061	0	%100
60	M53	Z	-.106	-.106	0	%100
61	M54	X	.061	.061	0	%100
62	M54	Z	-.106	-.106	0	%100
63	M55	X	.245	.245	0	%100
64	M55	Z	-.425	-.425	0	%100
65	M56	X	.245	.245	0	%100
66	M56	Z	-.425	-.425	0	%100
67	M57	X	.245	.245	0	%100
68	M57	Z	-.425	-.425	0	%100
69	M58	X	.245	.245	0	%100
70	M58	Z	-.425	-.425	0	%100
71	M59	X	.418	.418	0	%100
72	M59	Z	-.724	-.724	0	%100
73	M60	X	.418	.418	0	%100
74	M60	Z	-.724	-.724	0	%100
75	M61	X	.437	.437	0	%100
76	M61	Z	-.757	-.757	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	M1	X	.185	.185	0	%100
2	M1	Z	-.107	-.107	0	%100
3	M2	X	.556	.556	0	%100
4	M2	Z	-.321	-.321	0	%100
5	MP5A	X	.423	.423	0	%100
6	MP5A	Z	-.244	-.244	0	%100
7	MP4A	X	.423	.423	0	%100
8	MP4A	Z	-.244	-.244	0	%100
9	MP3A	X	.423	.423	0	%100
10	MP3A	Z	-.244	-.244	0	%100
11	MP2A	X	.423	.423	0	%100
12	MP2A	Z	-.244	-.244	0	%100
13	MP1A	X	.423	.423	0	%100
14	MP1A	Z	-.244	-.244	0	%100
15	M13	X	.741	.741	0	%100
16	M13	Z	-.428	-.428	0	%100
17	MP5C	X	.423	.423	0	%100
18	MP5C	Z	-.244	-.244	0	%100
19	MP4C	X	.423	.423	0	%100
20	MP4C	Z	-.244	-.244	0	%100
21	MP3C	X	.423	.423	0	%100
22	MP3C	Z	-.244	-.244	0	%100
23	MP2C	X	.423	.423	0	%100
24	MP2C	Z	-.244	-.244	0	%100
25	MP1C	X	.423	.423	0	%100
26	MP1C	Z	-.244	-.244	0	%100
27	M24	X	.185	.185	0	%100
28	M24	Z	-.107	-.107	0	%100
29	MP5B	X	.423	.423	0	%100
30	MP5B	Z	-.244	-.244	0	%100
31	MP4B	X	.423	.423	0	%100
32	MP4B	Z	-.244	-.244	0	%100
33	MP3B	X	.423	.423	0	%100
34	MP3B	Z	-.244	-.244	0	%100
35	MP2B	X	.423	.423	0	%100
36	MP2B	Z	-.244	-.244	0	%100
37	MP1B	X	.423	.423	0	%100
38	MP1B	Z	-.244	-.244	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M40	X	.556	.556	0	%100
42	M40	Z	-.321	-.321	0	%100
43	M44	X	.385	.385	0	%100
44	M44	Z	-.222	-.222	0	%100
45	M46	X	.346	.346	0	%100
46	M46	Z	-.2	-.2	0	%100
47	M47	X	.319	.319	0	%100
48	M47	Z	-.184	-.184	0	%100
49	M48	X	.319	.319	0	%100
50	M48	Z	-.184	-.184	0	%100
51	M49	X	.319	.319	0	%100
52	M49	Z	-.184	-.184	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,%]
53	M50	X	.319	.319	0	%100
54	M50	Z	-.184	-.184	0	%100
55	M51	X	0	0	0	%100
56	M51	Z	0	0	0	%100
57	M52	X	0	0	0	%100
58	M52	Z	0	0	0	%100
59	M53	X	0	0	0	%100
60	M53	Z	0	0	0	%100
61	M54	X	0	0	0	%100
62	M54	Z	0	0	0	%100
63	M55	X	.319	.319	0	%100
64	M55	Z	-.184	-.184	0	%100
65	M56	X	.319	.319	0	%100
66	M56	Z	-.184	-.184	0	%100
67	M57	X	.319	.319	0	%100
68	M57	Z	-.184	-.184	0	%100
69	M58	X	.319	.319	0	%100
70	M58	Z	-.184	-.184	0	%100
71	M59	X	.746	.746	0	%100
72	M59	Z	-.431	-.431	0	%100
73	M60	X	.713	.713	0	%100
74	M60	Z	-.412	-.412	0	%100
75	M61	X	.746	.746	0	%100
76	M61	Z	-.431	-.431	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	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	.856	.856	0	%100
4	M2	Z	0	0	0	%100
5	MP5A	X	.488	.488	0	%100
6	MP5A	Z	0	0	0	%100
7	MP4A	X	.488	.488	0	%100
8	MP4A	Z	0	0	0	%100
9	MP3A	X	.488	.488	0	%100
10	MP3A	Z	0	0	0	%100
11	MP2A	X	.488	.488	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	.488	.488	0	%100
14	MP1A	Z	0	0	0	%100
15	M13	X	.642	.642	0	%100
16	M13	Z	0	0	0	%100
17	MP5C	X	.488	.488	0	%100
18	MP5C	Z	0	0	0	%100
19	MP4C	X	.488	.488	0	%100
20	MP4C	Z	0	0	0	%100
21	MP3C	X	.488	.488	0	%100
22	MP3C	Z	0	0	0	%100
23	MP2C	X	.488	.488	0	%100
24	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,%]
25	MP1C	X	.488	.488	0	%100
26	MP1C	Z	0	0	0	%100
27	M24	X	.642	.642	0	%100
28	M24	Z	0	0	0	%100
29	MP5B	X	.488	.488	0	%100
30	MP5B	Z	0	0	0	%100
31	MP4B	X	.488	.488	0	%100
32	MP4B	Z	0	0	0	%100
33	MP3B	X	.488	.488	0	%100
34	MP3B	Z	0	0	0	%100
35	MP2B	X	.488	.488	0	%100
36	MP2B	Z	0	0	0	%100
37	MP1B	X	.488	.488	0	%100
38	MP1B	Z	0	0	0	%100
39	M37	X	.214	.214	0	%100
40	M37	Z	0	0	0	%100
41	M40	X	.214	.214	0	%100
42	M40	Z	0	0	0	%100
43	M44	X	.445	.445	0	%100
44	M44	Z	0	0	0	%100
45	M46	X	.399	.399	0	%100
46	M46	Z	0	0	0	%100
47	M47	X	.491	.491	0	%100
48	M47	Z	0	0	0	%100
49	M48	X	.491	.491	0	%100
50	M48	Z	0	0	0	%100
51	M49	X	.491	.491	0	%100
52	M49	Z	0	0	0	%100
53	M50	X	.491	.491	0	%100
54	M50	Z	0	0	0	%100
55	M51	X	.123	.123	0	%100
56	M51	Z	0	0	0	%100
57	M52	X	.123	.123	0	%100
58	M52	Z	0	0	0	%100
59	M53	X	.123	.123	0	%100
60	M53	Z	0	0	0	%100
61	M54	X	.123	.123	0	%100
62	M54	Z	0	0	0	%100
63	M55	X	.123	.123	0	%100
64	M55	Z	0	0	0	%100
65	M56	X	.123	.123	0	%100
66	M56	Z	0	0	0	%100
67	M57	X	.123	.123	0	%100
68	M57	Z	0	0	0	%100
69	M58	X	.123	.123	0	%100
70	M58	Z	0	0	0	%100
71	M59	X	.874	.874	0	%100
72	M59	Z	0	0	0	%100
73	M60	X	.836	.836	0	%100
74	M60	Z	0	0	0	%100
75	M61	X	.836	.836	0	%100
76	M61	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	M1	X	.185	.185	0	%100
2	M1	Z	.107	.107	0	%100
3	M2	X	.556	.556	0	%100
4	M2	Z	.321	.321	0	%100
5	MP5A	X	.423	.423	0	%100
6	MP5A	Z	.244	.244	0	%100
7	MP4A	X	.423	.423	0	%100
8	MP4A	Z	.244	.244	0	%100
9	MP3A	X	.423	.423	0	%100
10	MP3A	Z	.244	.244	0	%100
11	MP2A	X	.423	.423	0	%100
12	MP2A	Z	.244	.244	0	%100
13	MP1A	X	.423	.423	0	%100
14	MP1A	Z	.244	.244	0	%100
15	M13	X	.185	.185	0	%100
16	M13	Z	.107	.107	0	%100
17	MP5C	X	.423	.423	0	%100
18	MP5C	Z	.244	.244	0	%100
19	MP4C	X	.423	.423	0	%100
20	MP4C	Z	.244	.244	0	%100
21	MP3C	X	.423	.423	0	%100
22	MP3C	Z	.244	.244	0	%100
23	MP2C	X	.423	.423	0	%100
24	MP2C	Z	.244	.244	0	%100
25	MP1C	X	.423	.423	0	%100
26	MP1C	Z	.244	.244	0	%100
27	M24	X	.741	.741	0	%100
28	M24	Z	.428	.428	0	%100
29	MP5B	X	.423	.423	0	%100
30	MP5B	Z	.244	.244	0	%100
31	MP4B	X	.423	.423	0	%100
32	MP4B	Z	.244	.244	0	%100
33	MP3B	X	.423	.423	0	%100
34	MP3B	Z	.244	.244	0	%100
35	MP2B	X	.423	.423	0	%100
36	MP2B	Z	.244	.244	0	%100
37	MP1B	X	.423	.423	0	%100
38	MP1B	Z	.244	.244	0	%100
39	M37	X	.556	.556	0	%100
40	M37	Z	.321	.321	0	%100
41	M40	X	0	0	0	%100
42	M40	Z	0	0	0	%100
43	M44	X	.385	.385	0	%100
44	M44	Z	.222	.222	0	%100
45	M46	X	.346	.346	0	%100
46	M46	Z	.2	.2	0	%100
47	M47	X	.319	.319	0	%100
48	M47	Z	.184	.184	0	%100
49	M48	X	.319	.319	0	%100
50	M48	Z	.184	.184	0	%100
51	M49	X	.319	.319	0	%100
52	M49	Z	.184	.184	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,%]
53	M50	X	.319	.319	0	%100
54	M50	Z	.184	.184	0	%100
55	M51	X	.319	.319	0	%100
56	M51	Z	.184	.184	0	%100
57	M52	X	.319	.319	0	%100
58	M52	Z	.184	.184	0	%100
59	M53	X	.319	.319	0	%100
60	M53	Z	.184	.184	0	%100
61	M54	X	.319	.319	0	%100
62	M54	Z	.184	.184	0	%100
63	M55	X	0	0	0	%100
64	M55	Z	0	0	0	%100
65	M56	X	0	0	0	%100
66	M56	Z	0	0	0	%100
67	M57	X	0	0	0	%100
68	M57	Z	0	0	0	%100
69	M58	X	0	0	0	%100
70	M58	Z	0	0	0	%100
71	M59	X	.746	.746	0	%100
72	M59	Z	.431	.431	0	%100
73	M60	X	.746	.746	0	%100
74	M60	Z	.431	.431	0	%100
75	M61	X	.713	.713	0	%100
76	M61	Z	.412	.412	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	M1	X	.321	.321	0	%100
2	M1	Z	.556	.556	0	%100
3	M2	X	.107	.107	0	%100
4	M2	Z	.185	.185	0	%100
5	MP5A	X	.244	.244	0	%100
6	MP5A	Z	.423	.423	0	%100
7	MP4A	X	.244	.244	0	%100
8	MP4A	Z	.423	.423	0	%100
9	MP3A	X	.244	.244	0	%100
10	MP3A	Z	.423	.423	0	%100
11	MP2A	X	.244	.244	0	%100
12	MP2A	Z	.423	.423	0	%100
13	MP1A	X	.244	.244	0	%100
14	MP1A	Z	.423	.423	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	0	0	0	%100
17	MP5C	X	.244	.244	0	%100
18	MP5C	Z	.423	.423	0	%100
19	MP4C	X	.244	.244	0	%100
20	MP4C	Z	.423	.423	0	%100
21	MP3C	X	.244	.244	0	%100
22	MP3C	Z	.423	.423	0	%100
23	MP2C	X	.244	.244	0	%100
24	MP2C	Z	.423	.423	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
25	MP1C	X	.244	.244	0	%100
26	MP1C	Z	.423	.423	0	%100
27	M24	X	.321	.321	0	%100
28	M24	Z	.556	.556	0	%100
29	MP5B	X	.244	.244	0	%100
30	MP5B	Z	.423	.423	0	%100
31	MP4B	X	.244	.244	0	%100
32	MP4B	Z	.423	.423	0	%100
33	MP3B	X	.244	.244	0	%100
34	MP3B	Z	.423	.423	0	%100
35	MP2B	X	.244	.244	0	%100
36	MP2B	Z	.423	.423	0	%100
37	MP1B	X	.244	.244	0	%100
38	MP1B	Z	.423	.423	0	%100
39	M37	X	.428	.428	0	%100
40	M37	Z	.741	.741	0	%100
41	M40	X	.107	.107	0	%100
42	M40	Z	.185	.185	0	%100
43	M44	X	.222	.222	0	%100
44	M44	Z	.385	.385	0	%100
45	M46	X	.2	.2	0	%100
46	M46	Z	.346	.346	0	%100
47	M47	X	.061	.061	0	%100
48	M47	Z	.106	.106	0	%100
49	M48	X	.061	.061	0	%100
50	M48	Z	.106	.106	0	%100
51	M49	X	.061	.061	0	%100
52	M49	Z	.106	.106	0	%100
53	M50	X	.061	.061	0	%100
54	M50	Z	.106	.106	0	%100
55	M51	X	.245	.245	0	%100
56	M51	Z	.425	.425	0	%100
57	M52	X	.245	.245	0	%100
58	M52	Z	.425	.425	0	%100
59	M53	X	.245	.245	0	%100
60	M53	Z	.425	.425	0	%100
61	M54	X	.245	.245	0	%100
62	M54	Z	.425	.425	0	%100
63	M55	X	.061	.061	0	%100
64	M55	Z	.106	.106	0	%100
65	M56	X	.061	.061	0	%100
66	M56	Z	.106	.106	0	%100
67	M57	X	.061	.061	0	%100
68	M57	Z	.106	.106	0	%100
69	M58	X	.061	.061	0	%100
70	M58	Z	.106	.106	0	%100
71	M59	X	.418	.418	0	%100
72	M59	Z	.724	.724	0	%100
73	M60	X	.437	.437	0	%100
74	M60	Z	.757	.757	0	%100
75	M61	X	.418	.418	0	%100
76	M61	Z	.724	.724	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	.856	.856	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	MP5A	X	0	0	0	%100
6	MP5A	Z	.488	.488	0	%100
7	MP4A	X	0	0	0	%100
8	MP4A	Z	.488	.488	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	.488	.488	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	.488	.488	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	.488	.488	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	.214	.214	0	%100
17	MP5C	X	0	0	0	%100
18	MP5C	Z	.488	.488	0	%100
19	MP4C	X	0	0	0	%100
20	MP4C	Z	.488	.488	0	%100
21	MP3C	X	0	0	0	%100
22	MP3C	Z	.488	.488	0	%100
23	MP2C	X	0	0	0	%100
24	MP2C	Z	.488	.488	0	%100
25	MP1C	X	0	0	0	%100
26	MP1C	Z	.488	.488	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	.214	.214	0	%100
29	MP5B	X	0	0	0	%100
30	MP5B	Z	.488	.488	0	%100
31	MP4B	X	0	0	0	%100
32	MP4B	Z	.488	.488	0	%100
33	MP3B	X	0	0	0	%100
34	MP3B	Z	.488	.488	0	%100
35	MP2B	X	0	0	0	%100
36	MP2B	Z	.488	.488	0	%100
37	MP1B	X	0	0	0	%100
38	MP1B	Z	.488	.488	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	.642	.642	0	%100
41	M40	X	0	0	0	%100
42	M40	Z	.642	.642	0	%100
43	M44	X	0	0	0	%100
44	M44	Z	.445	.445	0	%100
45	M46	X	0	0	0	%100
46	M46	Z	.399	.399	0	%100
47	M47	X	0	0	0	%100
48	M47	Z	0	0	0	%100
49	M48	X	0	0	0	%100
50	M48	Z	0	0	0	%100
51	M49	X	0	0	0	%100
52	M49	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
53	M50	X	0	0	0	%100
54	M50	Z	0	0	0	%100
55	M51	X	0	0	0	%100
56	M51	Z	.368	.368	0	%100
57	M52	X	0	0	0	%100
58	M52	Z	.368	.368	0	%100
59	M53	X	0	0	0	%100
60	M53	Z	.368	.368	0	%100
61	M54	X	0	0	0	%100
62	M54	Z	.368	.368	0	%100
63	M55	X	0	0	0	%100
64	M55	Z	.368	.368	0	%100
65	M56	X	0	0	0	%100
66	M56	Z	.368	.368	0	%100
67	M57	X	0	0	0	%100
68	M57	Z	.368	.368	0	%100
69	M58	X	0	0	0	%100
70	M58	Z	.368	.368	0	%100
71	M59	X	0	0	0	%100
72	M59	Z	.823	.823	0	%100
73	M60	X	0	0	0	%100
74	M60	Z	.861	.861	0	%100
75	M61	X	0	0	0	%100
76	M61	Z	.861	.861	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	M1	X	-.321	-.321	0	%100
2	M1	Z	.556	.556	0	%100
3	M2	X	-.107	-.107	0	%100
4	M2	Z	.185	.185	0	%100
5	MP5A	X	-.244	-.244	0	%100
6	MP5A	Z	.423	.423	0	%100
7	MP4A	X	-.244	-.244	0	%100
8	MP4A	Z	.423	.423	0	%100
9	MP3A	X	-.244	-.244	0	%100
10	MP3A	Z	.423	.423	0	%100
11	MP2A	X	-.244	-.244	0	%100
12	MP2A	Z	.423	.423	0	%100
13	MP1A	X	-.244	-.244	0	%100
14	MP1A	Z	.423	.423	0	%100
15	M13	X	-.321	-.321	0	%100
16	M13	Z	.556	.556	0	%100
17	MP5C	X	-.244	-.244	0	%100
18	MP5C	Z	.423	.423	0	%100
19	MP4C	X	-.244	-.244	0	%100
20	MP4C	Z	.423	.423	0	%100
21	MP3C	X	-.244	-.244	0	%100
22	MP3C	Z	.423	.423	0	%100
23	MP2C	X	-.244	-.244	0	%100
24	MP2C	Z	.423	.423	0	%100

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,%]
25	MP1C	X	-.244	-.244	0	%100
26	MP1C	Z	.423	.423	0	%100
27	M24	X	0	0	0	%100
28	M24	Z	0	0	0	%100
29	MP5B	X	-.244	-.244	0	%100
30	MP5B	Z	.423	.423	0	%100
31	MP4B	X	-.244	-.244	0	%100
32	MP4B	Z	.423	.423	0	%100
33	MP3B	X	-.244	-.244	0	%100
34	MP3B	Z	.423	.423	0	%100
35	MP2B	X	-.244	-.244	0	%100
36	MP2B	Z	.423	.423	0	%100
37	MP1B	X	-.244	-.244	0	%100
38	MP1B	Z	.423	.423	0	%100
39	M37	X	-.107	-.107	0	%100
40	M37	Z	.185	.185	0	%100
41	M40	X	-.428	-.428	0	%100
42	M40	Z	.741	.741	0	%100
43	M44	X	-.222	-.222	0	%100
44	M44	Z	.385	.385	0	%100
45	M46	X	-.2	-.2	0	%100
46	M46	Z	.346	.346	0	%100
47	M47	X	-.061	-.061	0	%100
48	M47	Z	.106	.106	0	%100
49	M48	X	-.061	-.061	0	%100
50	M48	Z	.106	.106	0	%100
51	M49	X	-.061	-.061	0	%100
52	M49	Z	.106	.106	0	%100
53	M50	X	-.061	-.061	0	%100
54	M50	Z	.106	.106	0	%100
55	M51	X	-.061	-.061	0	%100
56	M51	Z	.106	.106	0	%100
57	M52	X	-.061	-.061	0	%100
58	M52	Z	.106	.106	0	%100
59	M53	X	-.061	-.061	0	%100
60	M53	Z	.106	.106	0	%100
61	M54	X	-.061	-.061	0	%100
62	M54	Z	.106	.106	0	%100
63	M55	X	-.245	-.245	0	%100
64	M55	Z	.425	.425	0	%100
65	M56	X	-.245	-.245	0	%100
66	M56	Z	.425	.425	0	%100
67	M57	X	-.245	-.245	0	%100
68	M57	Z	.425	.425	0	%100
69	M58	X	-.245	-.245	0	%100
70	M58	Z	.425	.425	0	%100
71	M59	X	-.418	-.418	0	%100
72	M59	Z	.724	.724	0	%100
73	M60	X	-.418	-.418	0	%100
74	M60	Z	.724	.724	0	%100
75	M61	X	-.437	-.437	0	%100
76	M61	Z	.757	.757	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	M1	X	-.185	-.185	0	%100
2	M1	Z	.107	.107	0	%100
3	M2	X	-.556	-.556	0	%100
4	M2	Z	.321	.321	0	%100
5	MP5A	X	-.423	-.423	0	%100
6	MP5A	Z	.244	.244	0	%100
7	MP4A	X	-.423	-.423	0	%100
8	MP4A	Z	.244	.244	0	%100
9	MP3A	X	-.423	-.423	0	%100
10	MP3A	Z	.244	.244	0	%100
11	MP2A	X	-.423	-.423	0	%100
12	MP2A	Z	.244	.244	0	%100
13	MP1A	X	-.423	-.423	0	%100
14	MP1A	Z	.244	.244	0	%100
15	M13	X	-.741	-.741	0	%100
16	M13	Z	.428	.428	0	%100
17	MP5C	X	-.423	-.423	0	%100
18	MP5C	Z	.244	.244	0	%100
19	MP4C	X	-.423	-.423	0	%100
20	MP4C	Z	.244	.244	0	%100
21	MP3C	X	-.423	-.423	0	%100
22	MP3C	Z	.244	.244	0	%100
23	MP2C	X	-.423	-.423	0	%100
24	MP2C	Z	.244	.244	0	%100
25	MP1C	X	-.423	-.423	0	%100
26	MP1C	Z	.244	.244	0	%100
27	M24	X	-.185	-.185	0	%100
28	M24	Z	.107	.107	0	%100
29	MP5B	X	-.423	-.423	0	%100
30	MP5B	Z	.244	.244	0	%100
31	MP4B	X	-.423	-.423	0	%100
32	MP4B	Z	.244	.244	0	%100
33	MP3B	X	-.423	-.423	0	%100
34	MP3B	Z	.244	.244	0	%100
35	MP2B	X	-.423	-.423	0	%100
36	MP2B	Z	.244	.244	0	%100
37	MP1B	X	-.423	-.423	0	%100
38	MP1B	Z	.244	.244	0	%100
39	M37	X	0	0	0	%100
40	M37	Z	0	0	0	%100
41	M40	X	-.556	-.556	0	%100
42	M40	Z	.321	.321	0	%100
43	M44	X	-.385	-.385	0	%100
44	M44	Z	.222	.222	0	%100
45	M46	X	-.346	-.346	0	%100
46	M46	Z	.2	.2	0	%100
47	M47	X	-.319	-.319	0	%100
48	M47	Z	.184	.184	0	%100
49	M48	X	-.319	-.319	0	%100
50	M48	Z	.184	.184	0	%100
51	M49	X	-.319	-.319	0	%100
52	M49	Z	.184	.184	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,%]
53	M50	X	-.319	-.319	0	%100
54	M50	Z	.184	.184	0	%100
55	M51	X	0	0	0	%100
56	M51	Z	0	0	0	%100
57	M52	X	0	0	0	%100
58	M52	Z	0	0	0	%100
59	M53	X	0	0	0	%100
60	M53	Z	0	0	0	%100
61	M54	X	0	0	0	%100
62	M54	Z	0	0	0	%100
63	M55	X	-.319	-.319	0	%100
64	M55	Z	.184	.184	0	%100
65	M56	X	-.319	-.319	0	%100
66	M56	Z	.184	.184	0	%100
67	M57	X	-.319	-.319	0	%100
68	M57	Z	.184	.184	0	%100
69	M58	X	-.319	-.319	0	%100
70	M58	Z	.184	.184	0	%100
71	M59	X	-.746	-.746	0	%100
72	M59	Z	.431	.431	0	%100
73	M60	X	-.713	-.713	0	%100
74	M60	Z	.412	.412	0	%100
75	M61	X	-.746	-.746	0	%100
76	M61	Z	.431	.431	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-.856	-.856	0	%100
4	M2	Z	0	0	0	%100
5	MP5A	X	-.488	-.488	0	%100
6	MP5A	Z	0	0	0	%100
7	MP4A	X	-.488	-.488	0	%100
8	MP4A	Z	0	0	0	%100
9	MP3A	X	-.488	-.488	0	%100
10	MP3A	Z	0	0	0	%100
11	MP2A	X	-.488	-.488	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-.488	-.488	0	%100
14	MP1A	Z	0	0	0	%100
15	M13	X	-.642	-.642	0	%100
16	M13	Z	0	0	0	%100
17	MP5C	X	-.488	-.488	0	%100
18	MP5C	Z	0	0	0	%100
19	MP4C	X	-.488	-.488	0	%100
20	MP4C	Z	0	0	0	%100
21	MP3C	X	-.488	-.488	0	%100
22	MP3C	Z	0	0	0	%100
23	MP2C	X	-.488	-.488	0	%100
24	MP2C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
25	MP1C	X	-.488	-.488	0	%100
26	MP1C	Z	0	0	0	%100
27	M24	X	-.642	-.642	0	%100
28	M24	Z	0	0	0	%100
29	MP5B	X	-.488	-.488	0	%100
30	MP5B	Z	0	0	0	%100
31	MP4B	X	-.488	-.488	0	%100
32	MP4B	Z	0	0	0	%100
33	MP3B	X	-.488	-.488	0	%100
34	MP3B	Z	0	0	0	%100
35	MP2B	X	-.488	-.488	0	%100
36	MP2B	Z	0	0	0	%100
37	MP1B	X	-.488	-.488	0	%100
38	MP1B	Z	0	0	0	%100
39	M37	X	-.214	-.214	0	%100
40	M37	Z	0	0	0	%100
41	M40	X	-.214	-.214	0	%100
42	M40	Z	0	0	0	%100
43	M44	X	-.445	-.445	0	%100
44	M44	Z	0	0	0	%100
45	M46	X	-.399	-.399	0	%100
46	M46	Z	0	0	0	%100
47	M47	X	-.491	-.491	0	%100
48	M47	Z	0	0	0	%100
49	M48	X	-.491	-.491	0	%100
50	M48	Z	0	0	0	%100
51	M49	X	-.491	-.491	0	%100
52	M49	Z	0	0	0	%100
53	M50	X	-.491	-.491	0	%100
54	M50	Z	0	0	0	%100
55	M51	X	-.123	-.123	0	%100
56	M51	Z	0	0	0	%100
57	M52	X	-.123	-.123	0	%100
58	M52	Z	0	0	0	%100
59	M53	X	-.123	-.123	0	%100
60	M53	Z	0	0	0	%100
61	M54	X	-.123	-.123	0	%100
62	M54	Z	0	0	0	%100
63	M55	X	-.123	-.123	0	%100
64	M55	Z	0	0	0	%100
65	M56	X	-.123	-.123	0	%100
66	M56	Z	0	0	0	%100
67	M57	X	-.123	-.123	0	%100
68	M57	Z	0	0	0	%100
69	M58	X	-.123	-.123	0	%100
70	M58	Z	0	0	0	%100
71	M59	X	-.874	-.874	0	%100
72	M59	Z	0	0	0	%100
73	M60	X	-.836	-.836	0	%100
74	M60	Z	0	0	0	%100
75	M61	X	-.836	-.836	0	%100
76	M61	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	M1	X	-.185	-.185	0	%100
2	M1	Z	-.107	-.107	0	%100
3	M2	X	-.556	-.556	0	%100
4	M2	Z	-.321	-.321	0	%100
5	MP5A	X	-.423	-.423	0	%100
6	MP5A	Z	-.244	-.244	0	%100
7	MP4A	X	-.423	-.423	0	%100
8	MP4A	Z	-.244	-.244	0	%100
9	MP3A	X	-.423	-.423	0	%100
10	MP3A	Z	-.244	-.244	0	%100
11	MP2A	X	-.423	-.423	0	%100
12	MP2A	Z	-.244	-.244	0	%100
13	MP1A	X	-.423	-.423	0	%100
14	MP1A	Z	-.244	-.244	0	%100
15	M13	X	-.185	-.185	0	%100
16	M13	Z	-.107	-.107	0	%100
17	MP5C	X	-.423	-.423	0	%100
18	MP5C	Z	-.244	-.244	0	%100
19	MP4C	X	-.423	-.423	0	%100
20	MP4C	Z	-.244	-.244	0	%100
21	MP3C	X	-.423	-.423	0	%100
22	MP3C	Z	-.244	-.244	0	%100
23	MP2C	X	-.423	-.423	0	%100
24	MP2C	Z	-.244	-.244	0	%100
25	MP1C	X	-.423	-.423	0	%100
26	MP1C	Z	-.244	-.244	0	%100
27	M24	X	-.741	-.741	0	%100
28	M24	Z	-.428	-.428	0	%100
29	MP5B	X	-.423	-.423	0	%100
30	MP5B	Z	-.244	-.244	0	%100
31	MP4B	X	-.423	-.423	0	%100
32	MP4B	Z	-.244	-.244	0	%100
33	MP3B	X	-.423	-.423	0	%100
34	MP3B	Z	-.244	-.244	0	%100
35	MP2B	X	-.423	-.423	0	%100
36	MP2B	Z	-.244	-.244	0	%100
37	MP1B	X	-.423	-.423	0	%100
38	MP1B	Z	-.244	-.244	0	%100
39	M37	X	-.556	-.556	0	%100
40	M37	Z	-.321	-.321	0	%100
41	M40	X	0	0	0	%100
42	M40	Z	0	0	0	%100
43	M44	X	-.385	-.385	0	%100
44	M44	Z	-.222	-.222	0	%100
45	M46	X	-.346	-.346	0	%100
46	M46	Z	-.2	-.2	0	%100
47	M47	X	-.319	-.319	0	%100
48	M47	Z	-.184	-.184	0	%100
49	M48	X	-.319	-.319	0	%100
50	M48	Z	-.184	-.184	0	%100
51	M49	X	-.319	-.319	0	%100
52	M49	Z	-.184	-.184	0	%100

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,%]
53	M50	X	-.319	-.319	0	%100
54	M50	Z	-.184	-.184	0	%100
55	M51	X	-.319	-.319	0	%100
56	M51	Z	-.184	-.184	0	%100
57	M52	X	-.319	-.319	0	%100
58	M52	Z	-.184	-.184	0	%100
59	M53	X	-.319	-.319	0	%100
60	M53	Z	-.184	-.184	0	%100
61	M54	X	-.319	-.319	0	%100
62	M54	Z	-.184	-.184	0	%100
63	M55	X	0	0	0	%100
64	M55	Z	0	0	0	%100
65	M56	X	0	0	0	%100
66	M56	Z	0	0	0	%100
67	M57	X	0	0	0	%100
68	M57	Z	0	0	0	%100
69	M58	X	0	0	0	%100
70	M58	Z	0	0	0	%100
71	M59	X	-.746	-.746	0	%100
72	M59	Z	-.431	-.431	0	%100
73	M60	X	-.746	-.746	0	%100
74	M60	Z	-.431	-.431	0	%100
75	M61	X	-.713	-.713	0	%100
76	M61	Z	-.412	-.412	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	M1	X	-.321	-.321	0	%100
2	M1	Z	-.556	-.556	0	%100
3	M2	X	-.107	-.107	0	%100
4	M2	Z	-.185	-.185	0	%100
5	MP5A	X	-.244	-.244	0	%100
6	MP5A	Z	-.423	-.423	0	%100
7	MP4A	X	-.244	-.244	0	%100
8	MP4A	Z	-.423	-.423	0	%100
9	MP3A	X	-.244	-.244	0	%100
10	MP3A	Z	-.423	-.423	0	%100
11	MP2A	X	-.244	-.244	0	%100
12	MP2A	Z	-.423	-.423	0	%100
13	MP1A	X	-.244	-.244	0	%100
14	MP1A	Z	-.423	-.423	0	%100
15	M13	X	0	0	0	%100
16	M13	Z	0	0	0	%100
17	MP5C	X	-.244	-.244	0	%100
18	MP5C	Z	-.423	-.423	0	%100
19	MP4C	X	-.244	-.244	0	%100
20	MP4C	Z	-.423	-.423	0	%100
21	MP3C	X	-.244	-.244	0	%100
22	MP3C	Z	-.423	-.423	0	%100
23	MP2C	X	-.244	-.244	0	%100
24	MP2C	Z	-.423	-.423	0	%100

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,%]
25	MP1C	X	-.244	-.244	0	%100
26	MP1C	Z	-.423	-.423	0	%100
27	M24	X	-.321	-.321	0	%100
28	M24	Z	-.556	-.556	0	%100
29	MP5B	X	-.244	-.244	0	%100
30	MP5B	Z	-.423	-.423	0	%100
31	MP4B	X	-.244	-.244	0	%100
32	MP4B	Z	-.423	-.423	0	%100
33	MP3B	X	-.244	-.244	0	%100
34	MP3B	Z	-.423	-.423	0	%100
35	MP2B	X	-.244	-.244	0	%100
36	MP2B	Z	-.423	-.423	0	%100
37	MP1B	X	-.244	-.244	0	%100
38	MP1B	Z	-.423	-.423	0	%100
39	M37	X	-.428	-.428	0	%100
40	M37	Z	-.741	-.741	0	%100
41	M40	X	-.107	-.107	0	%100
42	M40	Z	-.185	-.185	0	%100
43	M44	X	-.222	-.222	0	%100
44	M44	Z	-.385	-.385	0	%100
45	M46	X	-.2	-.2	0	%100
46	M46	Z	-.346	-.346	0	%100
47	M47	X	-.061	-.061	0	%100
48	M47	Z	-.106	-.106	0	%100
49	M48	X	-.061	-.061	0	%100
50	M48	Z	-.106	-.106	0	%100
51	M49	X	-.061	-.061	0	%100
52	M49	Z	-.106	-.106	0	%100
53	M50	X	-.061	-.061	0	%100
54	M50	Z	-.106	-.106	0	%100
55	M51	X	-.245	-.245	0	%100
56	M51	Z	-.425	-.425	0	%100
57	M52	X	-.245	-.245	0	%100
58	M52	Z	-.425	-.425	0	%100
59	M53	X	-.245	-.245	0	%100
60	M53	Z	-.425	-.425	0	%100
61	M54	X	-.245	-.245	0	%100
62	M54	Z	-.425	-.425	0	%100
63	M55	X	-.061	-.061	0	%100
64	M55	Z	-.106	-.106	0	%100
65	M56	X	-.061	-.061	0	%100
66	M56	Z	-.106	-.106	0	%100
67	M57	X	-.061	-.061	0	%100
68	M57	Z	-.106	-.106	0	%100
69	M58	X	-.061	-.061	0	%100
70	M58	Z	-.106	-.106	0	%100
71	M59	X	-.418	-.418	0	%100
72	M59	Z	-.724	-.724	0	%100
73	M60	X	-.437	-.437	0	%100
74	M60	Z	-.757	-.757	0	%100
75	M61	X	-.418	-.418	0	%100
76	M61	Z	-.724	-.724	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M47	Y	-15.375	-15.375	0	1.333
2	M48	Y	-38.625	-38.625	6.106e-16	1.333
3	M49	Y	-15.375	-15.375	0	1.333
4	M50	Y	-38.625	-38.625	6.106e-16	1.333
5	M55	Y	-15.375	-15.375	6.384e-15	1.333
6	M56	Y	-38.625	-38.625	4.666e-13	1.333
7	M57	Y	-15.375	-15.375	0	1.333
8	M58	Y	-38.625	-38.625	8.332e-13	1.333
9	M51	Y	-15.375	-15.375	0	1.333
10	M52	Y	-38.625	-38.625	1.07e-12	1.333
11	M53	Y	-15.375	-15.375	0	1.333
12	M54	Y	-38.625	-38.625	4.685e-14	1.333

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M47	Y	-17.066	-17.066	0	1.333
2	M48	Y	-42.874	-42.874	6.106e-16	1.333
3	M49	Y	-17.066	-17.066	0	1.333
4	M50	Y	-42.874	-42.874	6.106e-16	1.333
5	M55	Y	-17.066	-17.066	6.384e-15	1.333
6	M56	Y	-42.874	-42.874	4.666e-13	1.333
7	M57	Y	-17.066	-17.066	0	1.333
8	M58	Y	-42.874	-42.874	8.332e-13	1.333
9	M51	Y	-17.066	-17.066	0	1.333
10	M52	Y	-42.874	-42.874	1.07e-12	1.333
11	M53	Y	-17.066	-17.066	0	1.333
12	M54	Y	-42.874	-42.874	4.685e-14	1.333

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N90	N86	N85	N89	Y	A-B	-.009
2	N102	N106	N105	N101	Y	A-B	-.009
3	N94	N98	N97	N93	Y	A-B	-.009

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N90	N86	N85	N89	Y	A-B	-.01
2	N102	N106	N105	N101	Y	A-B	-.01
3	N94	N98	N97	N93	Y	A-B	-.01

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	N4	max	869.898	10	-871.793	7	4849.462	1	-.683	7	2.315	4	.602	4
2		min	-869.157	4	-2800.183	13	-1137.886	7	-2.024	13	-2.319	10	-.536	10
3	N71	max	4031.774	9	-964.923	3	511.833	3	1.144	23	2.238	12	1.803	19
4		min	-847.951	3	-2862.797	21	-2352.569	9	.098	5	-2.241	6	.533	1
5	N76	max	1000.81	11	-894.286	11	688.018	12	1.028	14	2.318	8	-.495	12
6		min	-4211.611	5	-2796.763	17	-2540.753	6	.028	8	-2.322	2	-1.813	19

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
7	N110	max	24.144	10	5593.735	13	-1756.113	7	0	51	0	51	0	51
8		min	-24.159	4	1963.625	7	-4934.453	13	0	1	0	1	0	1
9	N112	max	-1556.673	3	5528.524	21	2438.455	21	0	51	0	51	0	51
10		min	-4222.988	21	2009.94	3	898.348	3	0	1	0	1	0	1
11	N114	max	4261.985	17	5578.783	17	2460.329	17	0	51	0	51	0	51
12		min	1532.677	11	1979.24	11	885.315	11	0	1	0	1	0	1
13	Totals:	max	4836.516	10	8090.592	22	4822.059	1						
14		min	-4836.515	4	3902.328	3	-4822.059	7						

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear Ch...	Loc[ft]	Dir	LC	phi*Pnc...	phi*Pnt...	phi*Mn ...	phi*Mn ...	Cb	Eqn
1	MP3A	PIPE_2.0	.550	3.724	6	.093	3.724		3	19360....	32130	1.872	1.872	1...	H1-1b
2	MP3C	PIPE_2.0	.550	3.724	2	.093	3.724		11	19360....	32130	1.872	1.872	1...	H1-1b
3	MP3B	PIPE_2.0	.547	3.724	10	.093	3.724		1	19360....	32130	1.872	1.872	1...	H1-1b
4	M37	HSS4X4X4	.513	7.708	24	.093	2.604	y	23	86930....	127386	14.774	14.774	1...	H1-1b
5	M2	HSS4X4X4	.513	7.708	16	.094	2.604	y	15	86930....	127386	14.774	14.774	1...	H1-1b
6	M40	HSS4X4X4	.513	7.708	20	.102	2.604	y	31	86930....	127386	14.774	14.774	1...	H1-1b
7	M1	HSS4X4X4	.325	18	6	.080	0	z	7	37768....	127386	14.774	14.774	2...	H1-1b
8	M24	HSS4X4X4	.323	18	17	.081	0	z	11	37768....	127386	14.774	14.774	2...	H1-1b
9	M13	HSS4X4X4	.323	18	21	.080	0	z	3	37768....	127386	14.774	14.774	2...	H1-1b
10	MP4A	PIPE_2.0	.158	3.813	12	.017	2.688		2	20866....	32130	1.872	1.872	2...	H1-1b
11	MP4C	PIPE_2.0	.158	3.813	8	.017	2.688		10	20866....	32130	1.872	1.872	2...	H1-1b
12	MP4B	PIPE_2.0	.157	3.813	4	.017	2.688		6	20866....	32130	1.872	1.872	2...	H1-1b
13	M59	LL3x3x3x0	.147	4.014	13	.001	4.014	y	1	50574....	70632	4.823	3.751	1	H1-1b*
14	M61	LL3x3x3x0	.147	4.014	17	.001	4.014	y	5	50574....	70632	4.823	3.751	1	H1-1b*
15	MP5A	PIPE_2.0	.147	3.724	6	.030	3.724		2	19360....	32130	1.872	1.872	2...	H1-1b
16	MP5B	PIPE_2.0	.147	3.724	10	.030	3.724		6	19360....	32130	1.872	1.872	2...	H1-1b
17	MP5C	PIPE_2.0	.147	3.724	2	.030	3.724		10	19360....	32130	1.872	1.872	2...	H1-1b
18	MP1C	PIPE_2.0	.147	3.724	2	.030	3.724		4	19360....	32130	1.872	1.872	2...	H1-1b
19	MP1A	PIPE_2.0	.147	3.724	6	.030	3.724		8	19360....	32130	1.872	1.872	2...	H1-1b
20	MP1B	PIPE_2.0	.147	3.724	10	.030	3.724		12	19360....	32130	1.872	1.872	2...	H1-1b
21	M60	LL3x3x3x0	.146	4.014	21	.001	4.014	y	9	50574....	70632	4.823	3.751	1	H1-1b*
22	MP2C	PIPE_2.0	.142	3.724	2	.031	3.724		3	19360....	32130	1.872	1.872	2...	H1-1b
23	MP2A	PIPE_2.0	.142	3.724	6	.031	3.724		7	19360....	32130	1.872	1.872	2...	H1-1b
24	MP2B	PIPE_2.0	.141	3.724	10	.030	3.724		11	19360....	32130	1.872	1.872	2...	H1-1b
25	M48	L2x2x4	.130	0	22	.014	0	y	22	27953....	30585.6	.691	1.577	2...	H2-1
26	M50	L2x2x4	.130	0	22	.014	0	y	22	27953....	30585.6	.691	1.577	2...	H2-1
27	M58	L2x2x4	.130	0	14	.014	0	y	23	27953....	30585.6	.691	1.577	2...	H2-1
28	M52	L2x2x4	.130	0	18	.014	0	y	24	27953....	30585.6	.691	1.577	2...	H2-1
29	M56	L2x2x4	.130	0	14	.014	0	y	23	27953....	30585.6	.691	1.577	2...	H2-1
30	M54	L2x2x4	.130	0	18	.014	0	y	24	27953....	30585.6	.691	1.577	2...	H2-1
31	M44	PIPE_2.0	.101	2.5	5	.010	2.5		5	26521....	32130	1.872	1.872	2...	H1-1b
32	M47	L2x2x4	.060	0	22	.006	0	y	23	27953....	30585.6	.691	1.577	2...	H2-1
33	M49	L2x2x4	.060	0	22	.006	0	y	22	27953....	30585.6	.691	1.577	2...	H2-1
34	M55	L2x2x4	.060	0	14	.006	0	y	19	27953....	30585.6	.691	1.577	2...	H2-1
35	M53	L2x2x4	.060	0	18	.006	0	y	24	27953....	30585.6	.691	1.577	2...	H2-1
36	M57	L2x2x4	.060	0	14	.006	0	y	23	27953....	30585.6	.691	1.577	2...	H2-1
37	M51	L2x2x4	.060	0	18	.006	0	y	24	27953....	30585.6	.691	1.577	2...	H2-1
38	M46	PIPE_2.0	.048	1.5	11	.010	1.5		11	28843....	32130	1.872	1.872	1...	H1-1b

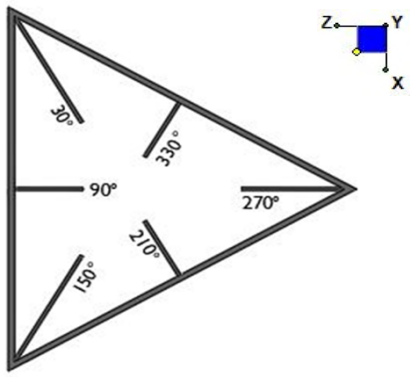
Client:	Verizon Wirelss	Date:	3/11/2021
Site Name:	Greenwich CT		
Project No.	20777290A		
Title:	Mount Fix	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

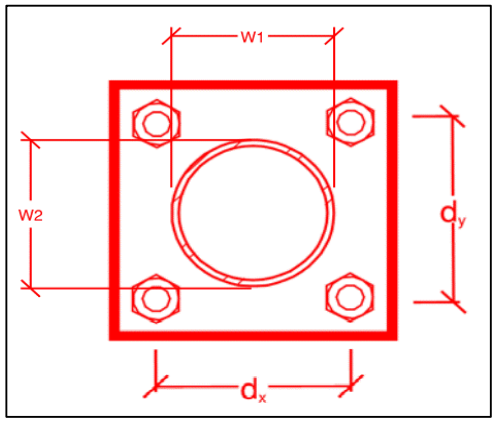
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N71	30
N76	150
N4	270



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:	yes
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	3
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	8
Bolt Type:	A307
Bolt Diameter (in):	0.75
Required Tensile Strength (kips):	20.6
Required Shear Strength (kips):	6.4
Tensile Strength / bolt (kips):	14.4
Shear Strength / bolt (kips):	8.6
Tensile Capacity Overall:	**35.8%***
Shear Capacity Overall:	**18.4%**



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

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Rect
Plate Width (in):	6
Plate Height (in):	10
W1 (in):	4
W2 (in):	4
Fy (ksi, plate):	36
t_{Plate} (in):	0.5
Weld Size (1/16 in):	3
Phi*Rn (kip/in):	4.18
Required Weld Strength (kip/in):	1.56
Plate Bending Capacity:	**86.9%**
Weld Capacity:	**37.3%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)* :	10.6
Phi*Mn_{xx} *(kip-in)* :	12.2
Mu_{yy} *(kip-in)* :	-0.1
Phi*Mn_{yy} *(kip-in)* :	20.3

Mount Desktop Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor Mount Modification

Purpose – to provide Maser Consulting Connecticut the proper documentation in order to complete the required Mount Desktop review of the Post Modification Inspection Report.

Contractor is responsible for making certain the photos provided as noted below provide confirmation that the 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:

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) must be shown.
Notation that all hardware was properly installed, and the existing hardware was inspected for any issues.
Verification that loading is as communicated in the modification drawings. NOTE If loading is different than what is conveyed in the modification drawing contact Maser Consulting Connecticut immediately.
Each photo should be time and date stamped
Photos should be high resolution and submitted in a Zip File and should be organized in the file structure as depicted in Schedule A attached.
Contractor shall ensure that the safety climb wire rope is supported and not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope.
The photos in the file structure should be uploaded **to** **https://pmi.vzwsmart.com** as depicted on the drawings

Photo Requirements:

Base and "During Installation Photos"

- Base pictures include
  - Photo of Gate Signs showing the tower owner, site name, and number
  - Photo of carrier shelter showing the carrier site name and number if available
  - Photos of the galvanizing compound and/or paint used (if applicable), clearly showing the label and name
- "During Installation Photos if provided - must be placed only in this folder

Photos taken at ground level

- Overall tower structure before and after installation of the modifications
- Photos of the appropriate mount before and after installation of the modifications; if the mounts are at different rad elevations, pictures must be provided for all elevations that the modifications were installed

- *Photos taken at Mount Elevation*
    - Photos showing each individual sector before and also after installation of modifications. Each entire sector must be in one photo to show in the inter-connection of members.
        - These photos should also certify that the placement and geometry of the equipment on the mount is as depicted on the sketch and table in the mount analysis
    - Close-up photos of each installed modification per the modification drawings; pictures should also include connection hardware (U-bolts, bolts, nuts, all-threaded rods, etc.)
    - Photos showing the measurements of the installed modification member sizes (i.e. lengths, widths, depths, diameters, thicknesses)
    - Photos showing the elevation or distances of the installed modifications from the appropriate reference locations shown in the modification drawings
    - Photos showing the installed modifications onto the tower with tape drop measurements (if applicable) (i.e. ring/collar mounts, tie-backs, V-bracing kits, etc.); if the existing mount elevation needs to be changed according to the modification drawings, a tape drop measurement shall be provided before the elevation change
    - 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.

Material Certification:

- Materials utilized must be as per specification on the drawings or the equivalent as validated by Maser Consulting Connecticut.

    - If the drawings are as specified on the drawings
        - The contractor should provide the packing list or the materials utilized to perform the mount modification
    - If an equivalent is utilized
        - It is required that the Maser Consulting Connecticut certification of such is included in the contractor submission package. There may be an additional charge for this certification if the equivalent submission doesn't meet specifications as prescribed in the drawings.

- The contractor must certify that the materials meet these specifications by one of these methods.

☐ The Material utilized was as specified on the Maser Consulting Connecticut Mount Modification Drawings and included in the Material certification folder is a packing list or invoice for these materials

☐ The material utilized was an "equivalent" and included as part of the contractor submission is the Maser Consulting Connecticut certification, invoices, or specifications validating accepted status

Certifying Individual: Company _____

Name _____

Signature _____

Antenna & equipment placement and Geometry Confirmation:

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

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

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

Certifying Individual: Company _____

Name _____

Signature _____

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

Issue:

Response:

Schedule A Photo & Document File Structure

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

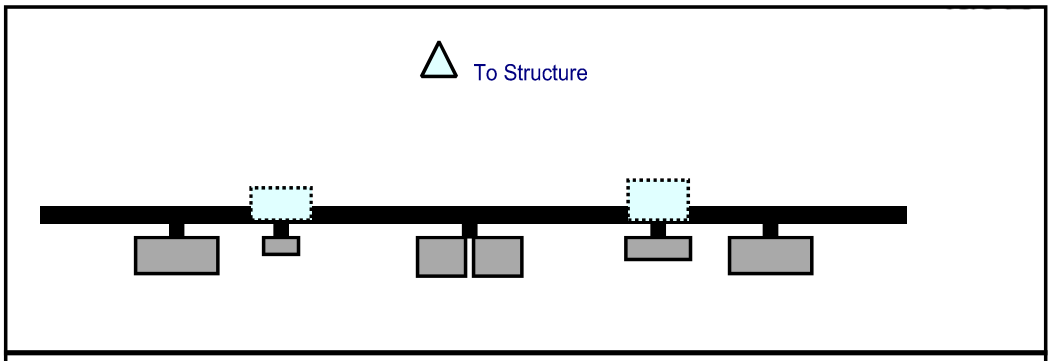
Structure: 468466-VZW - Greenwich CT

Sector: **A** 3/11/2021

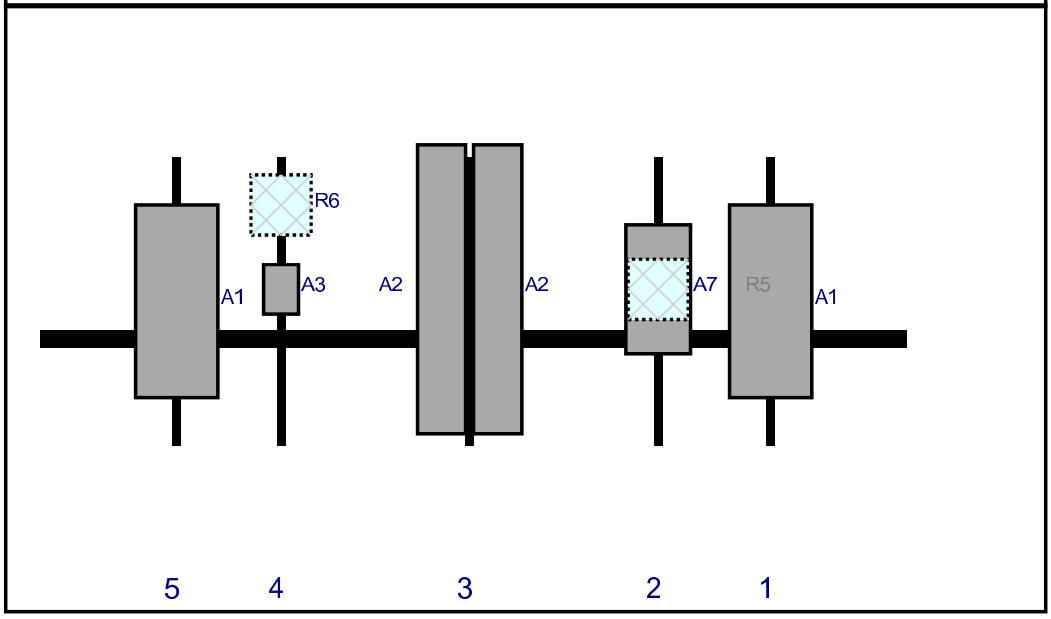
Structure Type: Monopole

Mount Elev: 123.00 Page: 1

Plan View



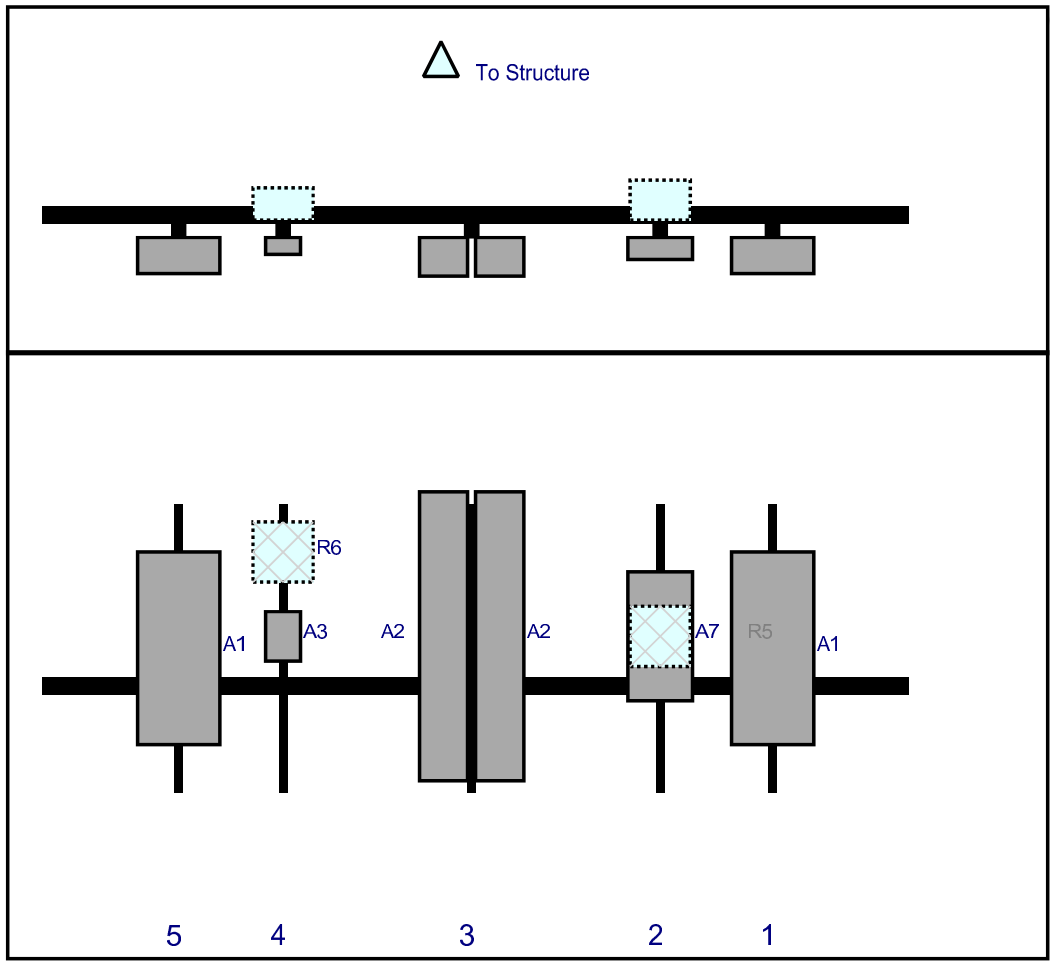
Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	DB844H65E-XY	48	20.5	182	1	a	Front	36	0	Retained	11/15/2020
A7	VZS01	32.1	16.1	154	2	b	Front	33	0	Added	
R5	B5/B13 RRH-BR04C	15	15	154	2	a	Behind	33	0	Retained	11/15/2020
A2	QS6656-5	72	12	107	3	a	Front	33	7	Retained	11/15/2020
A2	QS6656-5	72	12	107	3	b	Front	33	-7	Retained	11/15/2020
A3	XXDWMM-12.5-65	12.3	8.7	60	4	a	Front	33	0	Retained	11/15/2020
R6	B2/B66A RRH-BR04	15	15	60	4	a	Behind	12	0	Retained	11/15/2020
A1	DB844H65E-XY	48	20.5	34	5	a	Front	36	0	Retained	11/15/2020

Plan View

Front View
Looking at Structure



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R6	B2/B66A RRH-BR04	15	15	60	4	a	Behind	12	0	Retained	11/15/2020
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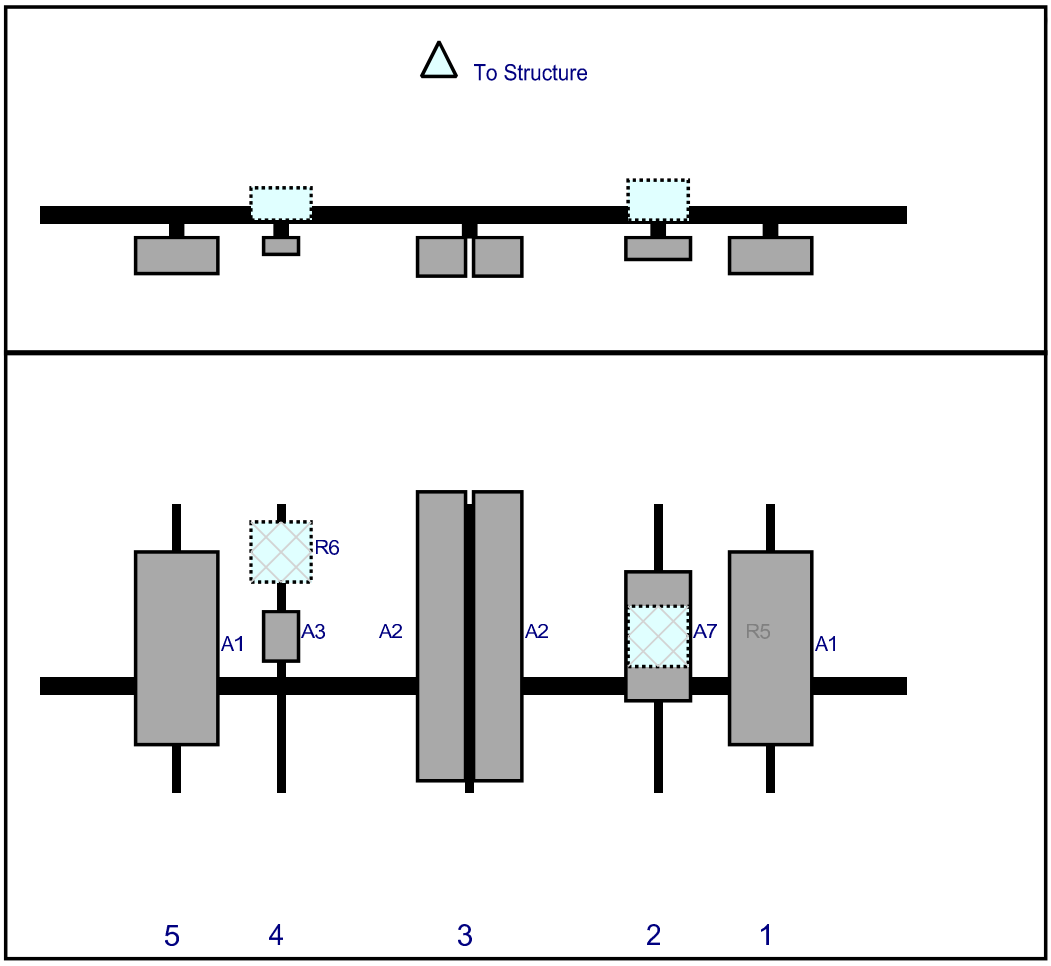
Plan View

Front View
Looking at Structure



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PROJECT NOTES

1. SEE MODIFICATION NOTES
2. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITY COMPANIES OR OTHER PUBLIC/GOVERNING AUTHORITIES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR MUNICIPAL AUTHORITIES.
4. 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.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SITE IMPROVEMENTS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGE AS A RESULT OF CONSTRUCTION OF THIS FACILITY AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
6. THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED TO COMPLETE THIS PROJECT. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
7. 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 DRAWINGS.
8. THE CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THESE DRAWINGS MUST BE VERIFIED. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
9. SINCE THE CELL SITE MAY BE ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE REQUIRED TO BE WORN TO ALERT OF ANY POTENTIALLY DANGEROUS EXPOSURE LEVELS.
10. NO NOISE, SMOKE, DUST OR ODOR WILL RESULT FROM THIS FACILITY AS TO CAUSE A NUISANCE.
11. THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION (NO HANDICAP ACCESS IS REQUIRED).

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MOUNT MODIFICATION DRAWINGS
EXISTING 18.0' PLATFORM MOUNT

SITE NAME: GREENWICH CT
SITE NUMBER: 468466

5 PERRYRIDGE RD
GREENWICH, CT 06830
FAIRFIELD COUNTY

PROJECT INFORMATION

SITE INFORMATION

LATITUDE:	41.033936° N
LONGITUDE:	73.630832° W
JURISDICTION	FAIRFIELD COUNTY

APPLICANT/LESSEE

COMPANY	VERIZON WIRELESS

CLIENT REPRESENTATIVE

COMPANY	VERIZON WIRELESS
ADDRESS	118 FLANDERS ROAD, 3RD FLOOR
CITY, STATE, ZIP	WESTBOROUGH, MA 01518
CONTACT	ANDREW CANDIELLO
E-MAIL	ANDREW.CANDIELLO@VERIZONWIRELESS.COM

PROJECT MANAGER

COMPANY	MASER CONSULTING
CONTACT	GREG DULNIK
PHONE	(615) 686-2575
E-MAIL	GREG.DULNIK@COLLIERSENGINEERING.COM

SHEET INDEX

CONTRACTOR PMI REQUIREMENTS

PMI LOCATION	HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #	10020904
VZW LOCATION CODE (PSLC)	468466
FUZE ID	16231869

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

REFERENCED DOCUMENTS

FAILING MOUNT ANALYSIS REPORT

SMART TOOL PROJECT #	10017989
MASER CONSULTING PROJECT #	20777290A
ANALYSIS DATE	11/02/2020

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- SOUTH CAROLINA
- NEW MEXICO
- MARYLAND
- GEORGIA
- TEXAS
- TENNESSEE
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SCALE: AS SHOWN | JOB NUMBER: 20777290A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
-	-	-	-	-
-	-	-	-	-
1	3/11/21	REV. ANTENNA LAYOUT	MPC	DX
0	12/8/2020	ISSUED FOR CONSTRUCTION	CDH	DX

STATE OF CONNECTICUT DEJIAN XU No. 33733 LICENSED PROFESSIONAL ENGINEER
03/11/2021

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

SITE NAME:
GREENWICH CT
468466
5 PERRYRIDGE RD
GREENWICH, CT 06830
FAIRFIELD COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE: TITLE SHEET

SHEET NUMBER: T-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

BILL OF MATERIALS

VZWSMART KITS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES
1	VZWSMART	VZWSMART-PLK7	MONOPOLE COLLAR MOUNT ASSEMBLY	
1		VZWSMART-PLK5	KICKER KIT	FINAL LENGTH TO BE DETERMINED IN FIELD, CONTRACTOR TO TRIM AS REQUIRED

OTHER REQUIRED PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES

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

VZWSMART KITS - APPROVED VENDORS

COMMSCOPE	
CONTACT	SALVADOR ANGUIANO
PHONE	(817) 304-7492
EMAIL	SALVADOR.ANGUIANO@COMMSCOPE.COM
WEBSITE	WWW.COMMSCOPE.COM
METROSITE FABRICATORS, LLC	
CONTACT	KENT RAMEY
PHONE	(706) 335-7045 (O), (706) 982-9788 (M)
EMAIL	KENT@METROSITELLC.COM
WEBSITE	METROSITEFABRICATORS.COM
PERFECTVISION	
CONTACT	WIRELESS SALES
PHONE	(844) 887-6723
EMAIL	WWW.PERFECT-VISION.COM
WEBSITE	WIRELESSSALES@PERFECT-VISION.COM
SABRE INDUSTRIES, INC.	
CONTACT	ANGIE WELCH
PHONE	(866) 428-6937
EMAIL	AKWELCH@SABREINDUSTRIES.COM
WEBSITE	WWW.SABRESITESOLUTIONS.COM
SITE PRO 1	
CONTACT	PAULA BOSWELL
PHONE	(972) 236-9843
EMAIL	PAULA.BOSWELL@VALMONT.COM
WEBSITE	WWW.SITEPRO1.COM

NOTE: WHEN SPECIFIED, VZWSMART KITS SHALL BE REQUIRED AND WILL BE VERIFIED DURING THE DESKTOP PMI

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SCALE: AS SHOWN
J.O. NUMBER: 20777290A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
1	3/11/21	REV. ANTENNA LAYOUT	MPC	DJK
0	12/8/2020	ISSUED FOR CONSTRUCTION	CDH	DJK

STATE OF CONNECTICUT
DEJIAN XU
No. 33723
LICENSED PROFESSIONAL ENGINEER
03/11/2021

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SITE NAME:
GREENWICH CT
468466

5 PERRYRIDGE RD
GREENWICH, CT 06830
FAIRFIELD COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE: BILL OF MATERIALS

SHEET NUMBER: S-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

GENERAL NOTES

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

DESIGN LOADS

WIND LOADS

a. BASIC WIND SPEED (3 SECOND GUST), V = 120 MPH

b. EXPOSURE CATEGORY B

c. TOPOGRAPHIC CATEGORY I

MEAN BASE ELEVATION (AMSL) = 142.08'

ICE LOADS

a. ICE WIND SPEED (3 SECOND GUST), V = 50 MPH

b. ICE THICKNESS = 1.0 IN

SEISMIC LOADS

a. SEISMIC DESIGN CATEGORY B

b. SHORT TERM MCER GROUND MOTION, S_S = 0.275

c. LONG TERM MCER GROUND MOTION, S_1 = 0.059

STRUCTURAL STEEL

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

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

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

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SCALE: AS SHOWN | JOB NUMBER: 20777290A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
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.	.	.	.	.
1	3/11/21	REV. ANTENNA LAYOUT	MPC	DX
0	12/8/2020	ISSUED FOR CONSTRUCTION	CDH	DX

STATE OF CONNECTICUT
DEJIAN XU
LICENSED PROFESSIONAL ENGINEER
NO. 33733

03/11/2021

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SITE NAME:

GREENWICH CT
468466

5 PERRYRIDGE RD
GREENWICH, CT 06830
FAIRFIELD COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE: MODIFICATION NOTES

SHEET NUMBER: S-2

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

MODIFICATION INSPECTION NOTES

MI CHECKLIST	
CONSTRUCTION/ INSTALLATION INSPECTIONS AND TESTING REQUIRED (COMPLETED BY EOR)	REPORT ITEM
PRE-CONSTRUCTION	
X	MI CHECKLIST DRAWING
X	EOR APPROVED SHOP DRAWINGS
NA	FABRICATION INSPECTION
NA	FABRICATOR CERTIFIED WELD INSPECTION
X	MATERIAL TEST REPORT (MTR)
NA	FABRICATOR NDE INSPECTION
X	PACKING SLIPS
ADDITIONAL TESTING AND INSPECTIONS:	
CONSTRUCTION	
X	CONSTRUCTION INSPECTIONS
NA	CONTRACTOR'S CERTIFIED WELD INSPECTION AND NDE REPORTS
X	ON SITE COLD GALVANIZING VERIFICATION
X	GC AS-BUILT DOCUMENTS
ADDITIONAL TESTING AND INSPECTIONS:	
POST-CONSTRUCTION	
X	MI INSPECTOR REDLINE OR RECORD DRAWING(S)
X	VZW PMI DOCUMENTS
X	PHOTOGRAPHS
ADDITIONAL TESTING AND INSPECTIONS:	

NOTE: X DENOTES A DOCUMENT REQUIRED FOR THE MI REPORT
NA DENOTES A DOCUMENT THAT IS NOT REQUIRED FOR THE MI REPORT

THE MODIFICATION INSPECTION (MI) IS A VISUAL INSPECTION OF MODIFICATIONS AND A REVIEW OF CONSTRUCTION INSPECTIONS AND OTHER REPORTS TO ENSURE THE INSTALLATION WAS CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, NAMELY THE MODIFICATION DRAWINGS, AS DESIGNED BY THE ENGINEER OF RECORD (EOR).

THE MI IS TO CONFIRM INSTALLATION CONFIGURATION AND WORKMANSHIP ONLY AND IS NOT A REVIEW OF THE MODIFICATION DESIGN ITSELF, NOR DOES THE MI INSPECTOR TAKE OWNERSHIP OF THE MODIFICATION DESIGN. OWNERSHIP OF THE STRUCTURAL MODIFICATION DESIGN EFFECTIVENESS AND INTEGRITY RESIDES WITH THE EOR AT ALL TIMES.

TO ENSURE THAT THE REQUIREMENTS OF THE MI ARE MET, IT IS VITAL THAT THE GENERAL CONTRACTOR (GC) AND THE MI INSPECTOR BEGIN COMMUNICATING AND COORDINATING AS SOON AS A PURCHASE ORDER (PO) IS RECEIVED. IT IS EXPECTED THAT EACH PARTY WILL BE PROACTIVE IN REACHING OUT TO THE OTHER PARTY.

MI INSPECTOR

THE MI INSPECTOR IS REQUIRED TO CONTACT THE GC AS SOON AS RECEIVING A PO FOR THE MI TO, AT A MINIMUM:

- REVIEW THE REQUIREMENTS OF THE MI CHECKLIST
- WORK WITH THE GC TO DEVELOP A SCHEDULE TO CONDUCT ON-SITE INSPECTIONS

THE MI INSPECTOR IS RESPONSIBLE FOR COLLECTING ALL GC INSPECTION AND TEST REPORTS, REVIEWING THE DOCUMENTS FOR ADHERENCE TO THE CONTRACT DOCUMENTS, CONDUCTING THE IN-FIELD INSPECTIONS, AND SUBMITTING THE MI REPORT TO EOR.

GENERAL CONTRACTOR

THE GC IS REQUIRED TO CONTACT THE MI INSPECTOR AS SOON AS RECEIVING A PO FOR THE MODIFICATION INSTALLATION OR TURNKEY PROJECT TO, AT A MINIMUM:

- REVIEW THE REQUIREMENTS OF THE MI CHECKLIST
- WORK WITH THE MI INSPECTOR TO DEVELOP A SCHEDULE TO CONDUCT ON-SITE MI INSPECTIONS, INCLUDING FOUNDATION INSPECTIONS
- BETTER UNDERSTAND ALL INSPECTION AND TESTING REQUIREMENTS

THE GC SHALL PERFORM AND RECORD THE TEST AND INSPECTION RESULTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE MI CHECKLIST.

RECOMMENDATIONS

THE FOLLOWING RECOMMENDATIONS AND SUGGESTIONS ARE OFFERED TO ENHANCE THE EFFICIENCY AND EFFECTIVENESS OF DELIVERING AN MI REPORT:

- IT IS SUGGESTED THAT THE GC PROVIDE A MINIMUM OF 5 BUSINESS DAYS NOTICE, PREFERABLY 10, TO THE MI INSPECTOR AS TO WHEN THE SITE WILL BE READY FOR THE MI TO BE CONDUCTED.
- THE GC AND MI INSPECTOR COORDINATE CLOSELY THROUGHOUT THE ENTIRE PROJECT.
- WHEN POSSIBLE, IT IS PREFERRED TO HAVE THE GC AND MI INSPECTOR ON-SITE SIMULTANEOUSLY FOR ANY GUY WIRE TENSIONING OR RE-TENSIONING OPERATIONS.
- IT MAY BE BENEFICIAL TO INSTALL ALL MODIFICATIONS PRIOR TO CONDUCTING THE FOUNDATION INSPECTIONS TO ALLOW THE FOUNDATION AND MI INSPECTION(S) TO COMMENCE WITH ONE SITE VISIT.
- WHEN POSSIBLE, IT IS PREFERRED TO HAVE THE GC AND MI INSPECTOR ON-SITE DURING THE MI TO HAVE ANY DEFICIENCIES CORRECTED DURING THE INITIAL MI. THEREFORE, THE GC MAY CHOOSE TO COORDINATE THE MI CAREFULLY TO ENSURE ALL CONSTRUCTION FACILITIES ARE AT THEIR DISPOSAL WHEN THE MI INSPECTOR IS ON SITE.

CORRECTION OF FAILING MI'S

IF THE MODIFICATION INSTALLATION WOULD FAIL THE MI ("FAILED MI"), THE GC SHALL WORK WITH THE OWNER TO COORDINATE A REMEDIATION PLAN:

- CORRECT FAILING ISSUES TO COMPLY WITH THE SPECIFICATIONS CONTAINED IN THE ORIGINAL CONTRACT DOCUMENTS AND COORDINATE A SUPPLEMENT MI.

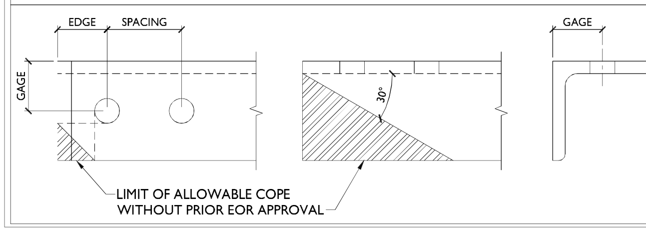
REQUIRED PHOTOS

BETWEEN THE GC AND THE MI INSPECTOR THE FOLLOWING PHOTOGRAPHS, AT A MINIMUM, ARE TO BE TAKEN AND INCLUDED IN THE MI REPORT:

- PRE-CONSTRUCTION GENERAL SITE CONDITION
- PHOTOGRAPHS DURING THE REINFORCEMENT MODIFICATION CONSTRUCTION/ERECTION AND INSPECTION
  - RAW MATERIALS
  - PHOTOS OF ALL CRITICAL DETAILS
  - FOUNDATION MODIFICATIONS
  - WELD PREPARATION
  - BOLT INSTALLATION
  - FINAL INSTALLED CONDITION
  - SURFACE COATING REPAIR
- POST CONSTRUCTION PHOTOGRAPHS
  - FINAL INFIELD CONDITION

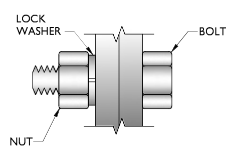
PHOTOS OF ELEVATED MODIFICATIONS TAKEN ONLY FROM THE GROUND SHALL BE CONSIDERED INADEQUATE.

ALLOWABLE COPING



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

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



TYP. BOLT ASSEMBLY

NOTES:

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

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FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE: AS SHOWN	JOB NUMBER: 20777290A			
-	-	-	-	-
-	-	-	-	-
1	3/11/21	REV. ANTENNA LAYOUT	MPC	DX
0	12/8/2020	ISSUED FOR CONSTRUCTION	CDH	DX
REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY

STATE OF CONNECTICUT DEJIAN XU No. 33733 LICENSED PROFESSIONAL ENGINEER
03/11/2021

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

SITE NAME:
GREENWICH CT
468466

5 PERRYRIDGE RD
GREENWICH, CT 06830
FAIRFIELD COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
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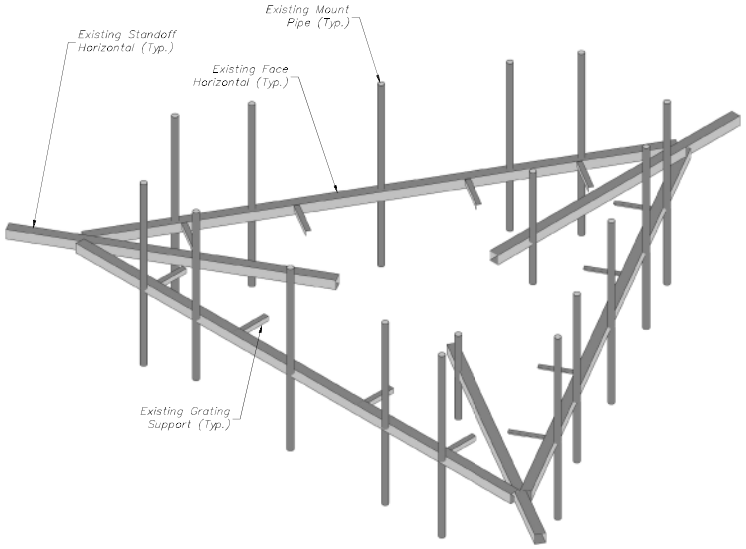
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE: MODIFICATION NOTES

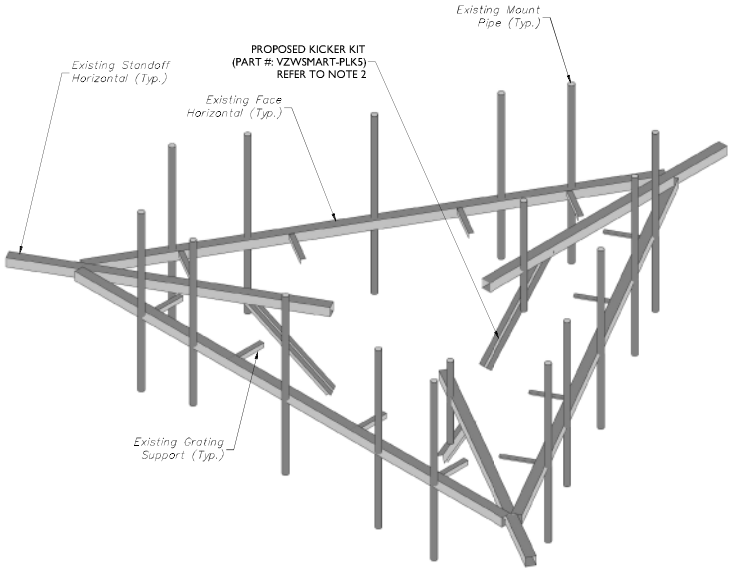
SHEET NUMBER: S-3

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



1 EXISTING FRAME ISOMETRIC VIEW

SCALE : N.T.S.



2 PROPOSED FRAME ISOMETRIC VIEW

SCALE : N.T.S.

STRUCTURAL NOTES:

1. PER THE MOUNT MAPPING COMPLETED BY TOWER ENGINEERING PROFESSIONALS ON 10/22/20, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (123.0') ARE IN GOOD CONDITION. MASER DOES NOT WARRANT THIS INFORMATION.
2. INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB, OR ANY SYSTEM INSTALLED ON THE STRUCTURE. TIMELY NOTICE AND DOCUMENTATION SHALL BE PROVIDED BY CONTRACTORS TO THE EOR (OF STRUCTURAL DESIGN) IF AN OBSTRUCTION WAS REQUIRED TO MEET THE RF SYSTEM DESIGN REQUIREMENTS AND PERFORMANCES.

MODIFICATION NOTES:

1. MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
2. CONNECT OTHER END OF KICKER KIT TO MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7).

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SCALE: AS SHOWN | V.I.D. NUMBER: 30777290A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
1	3/11/21	REV. ANTENNA LAYOUT	MPC	DJK
0	12/8/2020	ISSUED FOR CONSTRUCTION	CDH	DJK

STATE OF CONNECTICUT
DEJIAN XU
No. 33723
LICENSED PROFESSIONAL ENGINEER
03/11/2021

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468466

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GREENWICH, CT 06830
FAIRFIELD COUNTY

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2000 Midlantic Drive
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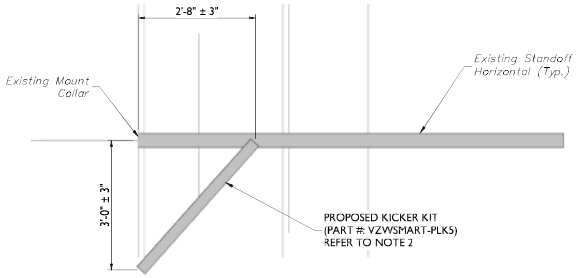
Fax: 856.722.1120

SHEET TITLE: MODIFICATION DETAILS

SHEET NUMBER: S-4

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



1 PROPOSED SIDE ELEVATION VIEW (TYP. ALL SECTORS)

SCALE : N.T.S.

MODIFICATION NOTES:

1. MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
2. CONNECT OTHER END OF KICKER KIT TO MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7).

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SCALE:	J.D. NUMBER:
AS SHOWN	20777290A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
1	3/11/21	REV. ANTENNA LAYOUT	MPC	DJK
0	12/8/2020	ISSUED FOR CONSTRUCTION	CDH	DJK

STATE OF CONNECTICUT
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Fax: 856.722.1120

SHEET TITLE:
MODIFICATION DETAILS

SHEET NUMBER:
S-5

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

MOUNT PHOTO 1

MOUNT PHOTO 2

MOUNT PHOTO 3

MOUNT PHOTO 4

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SCALE:	JOB NUMBER:
AS SHOWN	20777290A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
-	-	-	-	-
-	-	-	-	-
1	3/11/21	REV ANTENNA LAYOUT	MPC	DX
0	12/8/2020	ISSUED FOR CONSTRUCTION	CDH	DX

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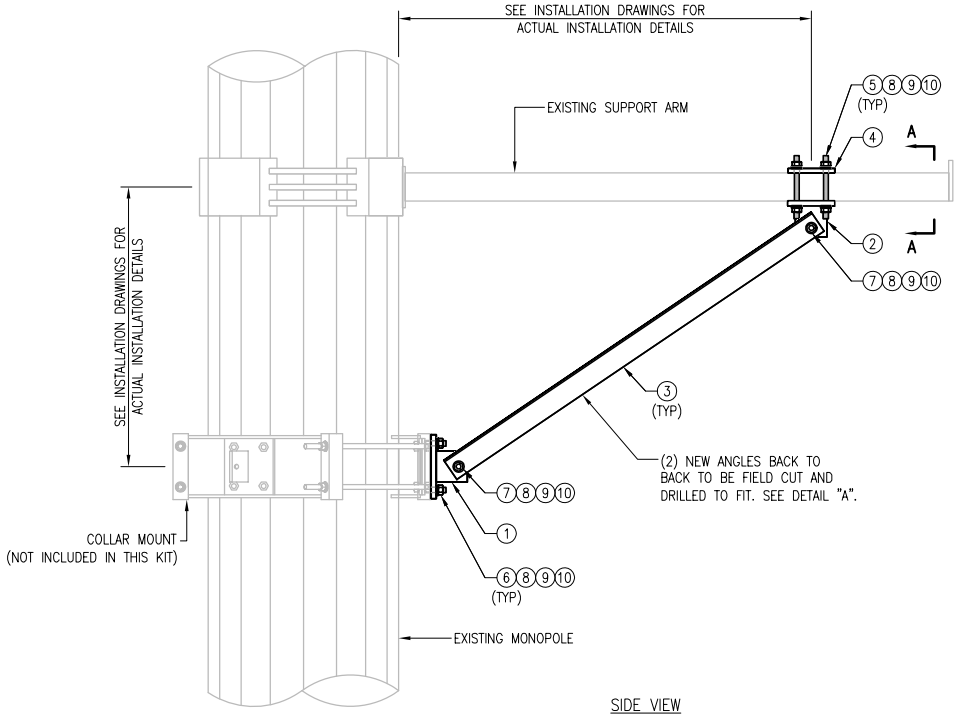
Fax: 856.722.1120

SHEET TITLE:
MOUNT PHOTOS

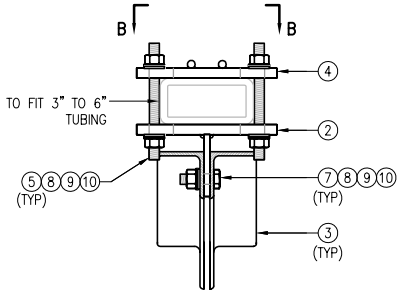
SHEET NUMBER:
S-6

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

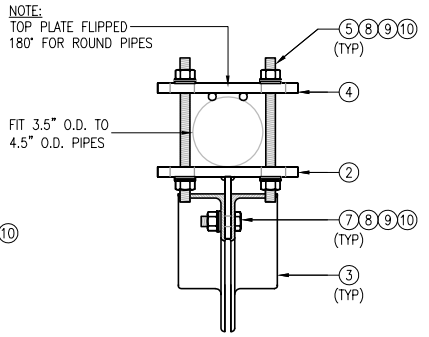
NOTE:
THE LOCATION OF KICKER AND EXISTING ANTENNA MOUNT SHOWN ON THE DRAWING IS FOR REPRESENTATION PURPOSE ONLY. SEE INSTALLATION DRAWINGS FOR ACTUAL INSTALLATION OF DETAILS.



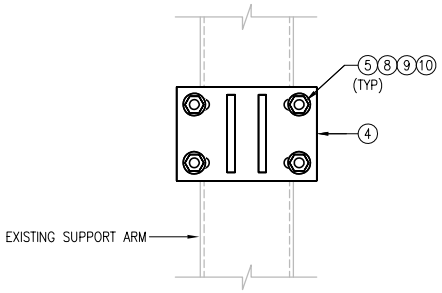
SIDE VIEW
KICKER KIT



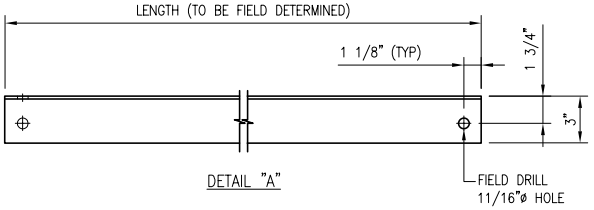
SECTION "A-A"
RECT. HSS MOUNTING



SECTION "A-A"
ROUND PIPE MOUNTING



SECTION "B-B"



DETAIL "A"

VZWSMART-PLK5 (KICKER KIT)

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

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

VzW SMART Tool© Vendor

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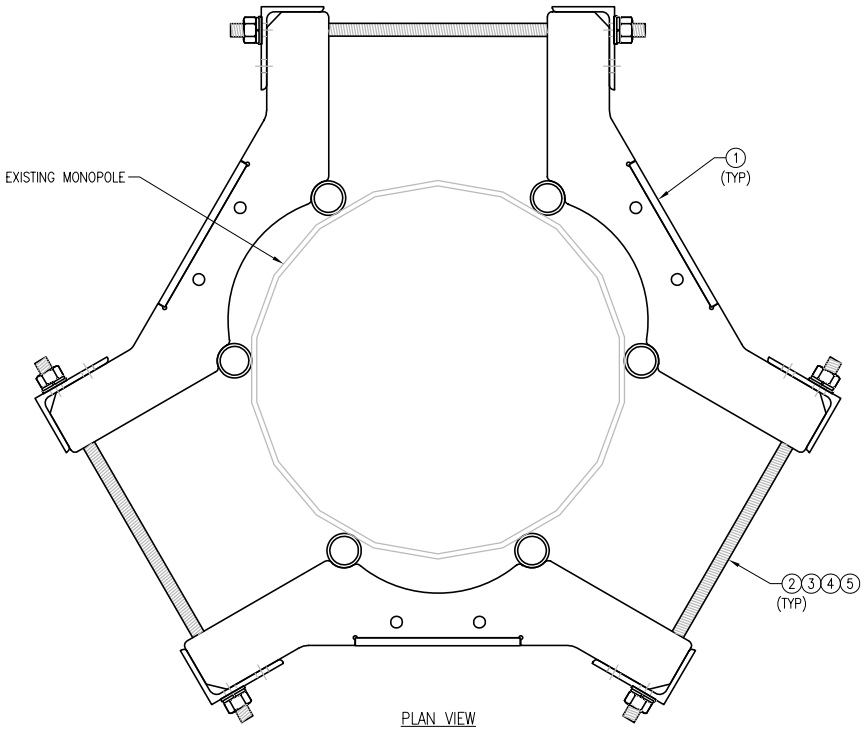
DRAWN BY: MN | CHECKED BY: HMA/KW

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

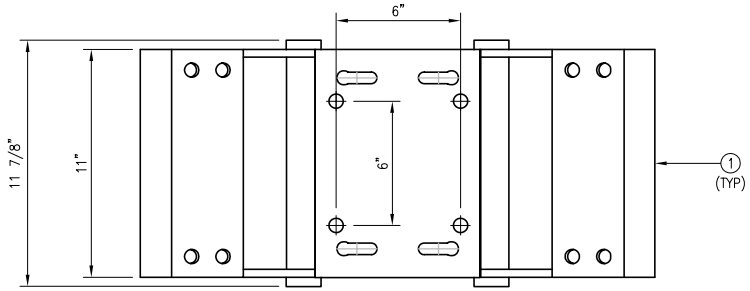
SHEET TITLE:
VZWSMART-PLK5
KICKER KIT

SHEET NUMBER: VZWSMART-PLK5

REV #: 0



PLAN VIEW
MONOPOLE COLLAR MOUNT ASSEMBLY



FRONT VIEW

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

VZWSMART-PLK7 (MONOPOLE COLLAR MOUNT ASSEMBLY)

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

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DRAWN BY: BT | CHECKED BY: HMA/KW

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

SHEET TITLE:
VZWSMART-PLK7
MONOPOLE COLLAR
MOUNT ASSEMBLY

SHEET NUMBER: VZWSMART-PLK7

REV #: 0

MASER CONSULTING
— CONNECTICUT—

331 Newman Springs Road, Suite 203
Red Bank, NJ 07701
T: 732.383.1950
www.maserconsulting.com

March 29, 2021

Mr. Andrew Leone
Verizon Wireless
20 Alexander Dr.
Wallingford, CT 06492

Re: Verizon Wireless antenna Model Clarification for CT Siting Council

Dear Mr. Leone,

This letter is intended to clarify and confirm the antenna naming convention used by Verizon Wireless as a part of an antenna upgrade project on numerous wireless facilities.

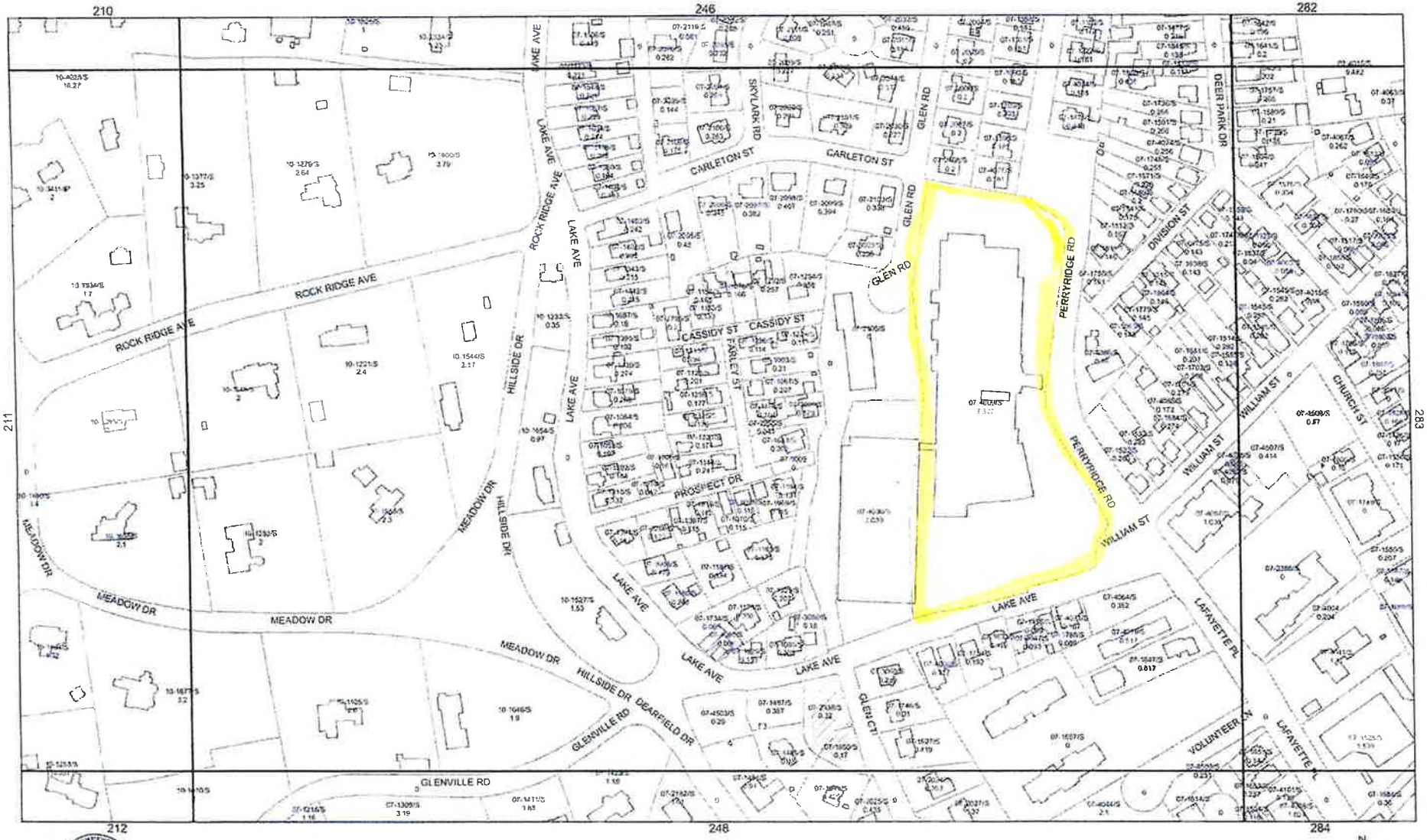
The antenna naming convention "Licensed Sub-6, L-Sub6, nL-Sub6, VZS01" and any other slight variants refer to the 64T64RMMU antenna manufactured by Samsung Electronics. These names are interchangeable and are used in various documents, including but not limited to the "Antenna Mount Analysis".

If you have any questions or comments, or require additional information, please do not hesitate to contact me.

Very truly yours,
MASER CONSULTING CONNECTICUT

Petros Toukalas
Connecticut Professional Engineer
License Number: 32577

ATTACHMENT 5



TOWN OF GREENWICH TAX MAP 247 VOL 3

200 100 0 200 Feet

N W E S

ADMINISTRATIVE INFORMATION

PARCEL NUMBER
07-4009/S

Parent Parcel Number

Property Address
PERRYRIDGE ROAD 0005

Neighborhood
2200 WEST PUTNAM

Property Class
299 Exempt Commercial

TAXING DISTRICT INFORMATION

Jurisdiction	57	Greenwich, CT
Area	001	
Corporation	057	
District	07	
Section & Plat	167	
Routing Number	6578W0001	

Site Description

Topography:

Public Utilities:
Sewer, Electric

Street or Road:

Neighborhood:

Zoning:
H-1 Hospital Zone

Legal Acres:
7.3274

OWNERSHIP

GREENWICH HOSPITAL
C/O NANCYE FRITZ FACILITIES MGMT
5 PERRYRIDGE ROAD
GREENWICH, CT 06830

LOT NO 1 2 3 4 PERRYRIDE RD & LAKE AVE W1 1A

Tax ID 247/113 Printed 07/18/2018 Card No. 1 of 2

TRANSFER OF OWNERSHIP

Date			
01/06/2012	GREENWICH HOSPITAL ASSOCIATION THE	$0	Bk/Pg: 6265, 4
07/03/1990	NA	$0	Bk/Pg: 2051, 54

EXEMPT

VALUATION RECORD

Assessment Year		10/01/2006	10/01/2007	10/01/2010	10/01/2015	10/01/2015	10/01/2016	10/01/2017
Reason for Change		2006 List	2007 List	2010 Reval	2015 Prelim	2015 Final	2016 List	2017 List
VALUATION	L	11876300	11876300	11846300	13938000	13938000	13938000	13938000
Market	B	255669200	257342000	276895100	355986700	355986700	355986700	355986700
	T	267545500	269218300	288741400	369924700	369924700	369924700	369924700
VALUATION	L	8313410	8313410	8292410	9756600	9756600	9756600	9756600
70% Assessed	B	178968440	180139400	193826570	249190690	249190690	249190690	249190690
	T	187281850	188452810	202118980	258947290	258947290	258947290	258947290

LAND DATA AND CALCULATIONS

Land Type	Rating Soil ID -or- Actual Frontage	Measured Acreage -or- Effective Frontage	Table Effective Depth	Prod. Factor -or- Depth Factor -or- Square Feet	Base Rate	Adjusted Rate	Extended Value	Influence Factor	Value
1 Primary Commercial				319181.38	58.22	58.22	18584000 0	-25%	13938000

BP10: 9-2198 (Hlmsly) Cnvrt lounge to CT/xray rm cmplt; 9-3185 (Wtsn) cnvrt med spc for use as hyperbaric center cmplt; 10-0173 (Hlmsly) create injctn suite for MRI/CT cmplt; 10-0281 (Hmsly/Wtsn) Installation of 22 patient ceil lifts cmplt; 10-0449 Minor int partng cmplt. 10-1908 Minor int alt nvc.
BP11: 10-2842 Clinical sim rm cmplt (Helmsley 2nd flr); 10-3186,10-3677 int alt (Watson 1st & 2nd flr) cmplt; 10-4136 elct eqmnt cmplt
BP. 11-0668 Minor alt Emerg Dept access cmplt. 11-1627 3rd flr Helmsley reconfig of 1800 sf spc w/ consolid. of nursing stations. 11-1765 Rplc frnt entry w/ revolv. door. 11-2990 2nd flr Helmsley consolid mult. strg rms into one--not started.
BP12: Helmsley Wing: 11-1627 3rd flr reconfig of 1800 sf for exp of maternity suite, nursing station & parenatology cmplt nvc.
11-2990 2nd flr cnvrt rooms for equip storage area cmplt nvc.
Watson Wing: 3rd flr 11-3059 cnvrt corridor to PT/exrcs area

Permit Number Type	FilingDate	Est. Cost Field Visit Est. SqFt

Supplemental Cards

TRUE TAX VALUE 13938000

Supplemental Cards
TOTAL LAND VALUE 13938000

IMPROVEMENT DATA

PHYSICAL CHARACTERISTICS

ROOFING

Built-up

WALLS

	B	1	2	U
Frame				
Brick	Yes	Yes	Yes	Yes
Metal				
Guard				

FRAMING

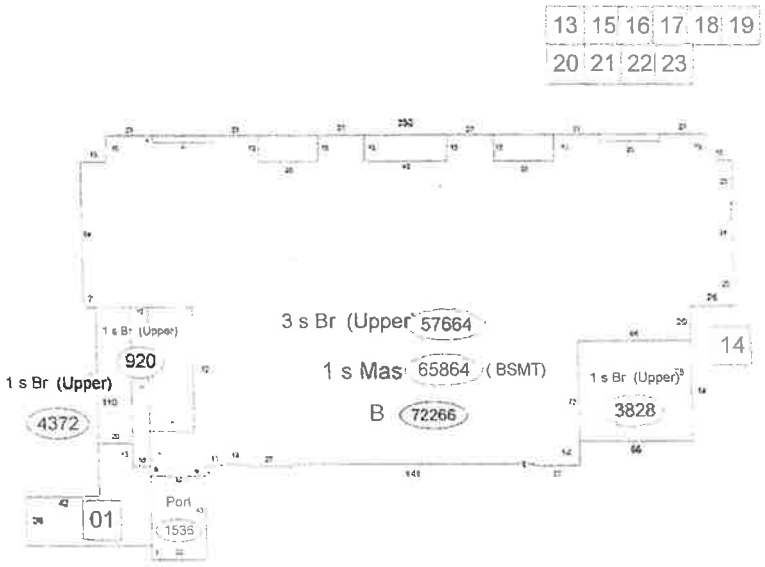
	B	1	2	U
R Conc	72266	65864	0	0
F Prf	0	0	65864	116248

FINISH

	UF	SF	FO	FD
B	72266	0	0	0
1	31346	0	0	34518
2	0	0	0	65864
U	0	0	0	116248
Total	103612	0	0	216630

HEATING AND AIR CONDITIONING

	B	1	2	U
Heat	72266	34518	65864	116248
Sprink	72266	31346	65864	116248



Helmsley Wing


07-4009/S Helmsley East Elev Looking NW

(LCM: 150.00)

SPECIAL FEATURES

Description	Value
C : Remod 2013	

SUMMARY OF IMPROVEMENTS

ID	Use	Stry Hgt	Const Type	Grade	Year Const	Eff Year	Cond	Base Rate	Feat-ures	Adj Rate	Size or Area	Computed Value	Phys Depr	Obsol Depr	Market Adj	% Comp	Value
C	HOSPITAL	0.00		Exe	1999	2005	EX	0.00	N	0.00	132648	0	0	0	150	100	174540100
01	PAVING	0.00	6	Gd-	1996	1996	AV	6.30	N	15.62	2816	43980	9	0	100	100	40000
13	RTWCONC	12.00	6D	Exe	1999	2000	VG	26.00	N	93.60	12x280	26210	0	0	100	100	26200
14	BusShelt	0.00		Good	2001	2001	GD	0.00	U	0.00	0	16000	0	SV	100	100	16000
15	MEZZFO	1.00		Exe	2004	2005	EX	66.10	N	245.16	12x 22	63250	0	0	100	100	63300
16	ELEVCOM	3.00	2E	Exe	1999	2005	EX	169000	N	608400	2@ 0	1216800	0	0	100	100	1216800
17	ELEVCOM	2.00	2H	Exe	1999	2005	EX	169000	N	608400	2@ 0	1216800	0	0	100	100	1216800
18	ELEVCOM	5.00	2E	Exe	1999	2005	EX	169000	N	608400	2@ 0	1216800	0	0	100	100	1216800
19	ELEVCOM	4.00	2E	Exe	1999	2005	EX	169000	N	608400	5@ 0	3042000	0	0	100	100	3042000
20	LOADDOCK	3.00	6	Good	2006	2006	GD	22.10	N	49.73	6x 43	12680	0	0	100	100	12700
21	LOADDOCK	3.00	6	Good	2006	2006	GD	22.10	N	49.73	6x 29	8500	0	0	100	100	8500
22	CONCNPYG	0.00		Good	2006	2006	GD	50.00	N	112.50	15x 46	75040	0	0	100	100	75000
23	CONCNPYG	0.00		Good	2006	2006	GD	50.00	N	112.50	15x 32	52200	0	0	100	100	52200

Data Collector/Date	Appraiser/Date	Neighborhood	Supplemental Cards TOTAL IMPROVEMENT VALUE	
bd 07/22/2013	TOG 10/01/2015	Neigh 2200 AV		181526400

ADMINISTRATIVE INFORMATION OWNERSHIP Tax ID 247/113 Printed 07/18/2018 Card No. 2 of 2

TRANSFER OF OWNERSHIP

Date

VALUATION RECORD

Assessment Year

Reason for Change

VALUATION

Site Description

LAND DATA AND CALCULATIONS

Land Type	Rating Soil ID -or- Actual Frontage	Measured Acreage -or- Effective Frontage	Table Effective Depth	Prod. Factor -or- Depth Factor -or- Square Feet	Base Rate	Adjusted Rate	Extended Value	Influence Factor	Value

BP12: Helmsley Wing: 11-1627 3rd flr reconfig of 1800 sf for exp of cmplt nvc. 11-4360 install wiring for patient monitoring syst PP 12-1445 Rmv/Rplc walls for rmvl/rplcmnt of MRI 1st flr Helmsley. 12-2952 Minor int alt/partitions creating ofc from exstg fin area in Watson. 12-3318 Minor int alt for swtch in use.
BP13: 12-3090, 12-4509 elec upgrds/maint and instltn of recept., outlets, cabling, etc for BMDI (Biomedical Device Integration) for remote monitors cmplt. 12-3318 (Helmsley-3rd flr) Create strg rm and gen ofc frm one rm cmplt nvc. 13-5349 Add door beween Nursery and NICU, NVC
BP14: 14-2040, NCV
BP17: Building Permits for 2017
BP 15-2229: Emergency Rm Ren. NVC TD
DBA: Greenwich Hospital
GEN: C02: Helmsley Wing; C03: Voided w/ demo cmplt 4/06 (Original South Wing); C04: Watson Wing; C03 had 2 bsmt lvls,

Supplemental Cards
TOTAL LAND VALUE

IMPROVEMENT DATA

PHYSICAL CHARACTERISTICS

ROOFING

Built-up

WALLS

	B	1	2	U
Frame		Yes		
Brick	Yes		Yes	Yes
Metal				
Guard				

FRAMING

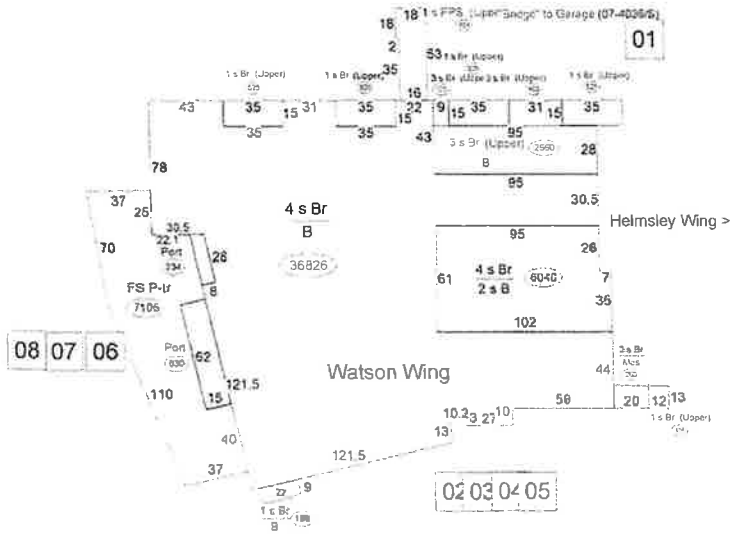
	B	1	2	U
R Conc	51764	0	0	0
F Prf	0	44208	48486	92928

FINISH

	CF	SF	FD	FD
B	51764	0	0	0
1	0	0	0	44208
2	0	0	0	48486
U	0	0	0	92928
Total	51764	0	0	185622

HEATING AND AIR CONDITIONING

	B	1	2	U
Heat	11486	44208	48486	92928
Sprink	51764	44208	48486	92928




07-4009/S Watson East Elev. Looking NW

(LCM: 150.00)

SPECIAL FEATURES

Description	Value
C : Remod 2012	

SUMMARY OF IMPROVEMENTS

ID	Use	Stry Hgt	Const Type	Grade	Year Const	Eff Year	Cond	Base Rate	Feat-ures	Adj Rate	Size or Area	Computed Value	Phys Depr	Obsol Depr	Market Adj	% Comp	Value
C	HOSPITAL	0.00		Exe	2005	2007	EX	0.00	N	0.00	49724	0	0	0	150	100	169931100
01	TOWER	164.00	5FF	Exe	2003	2003	VG	0.00	N	0.00	164	450000	0	SV	100	100	450000
02	ELEVCOM	6.00	2E	Exe	2005	2005	EX	169000	N	608400	3@	1825200	0	0	100	100	1825200
03	ELEVCOM	5.00	2E	Exe	2005	2005	EX	169000	N	608400	2@	1216800	0	0	100	100	1216800
04	ELEVFRT	5.00	2E	Exe	2005	2005	EX	98500	N	354600	1@	354600	0	0	100	100	354600
05	ELEVFRT	6.00	2E	Exe	2005	2005	EX	98500	N	354600	1@	354600	0	0	100	100	354600
06	Pat.Rail	0.00		Exe	2006	2006	EX	0.00	N	0.00		3500	0	SV	100	100	3500
07	RTWCONC	10.00	6D	Exe	2006	2006	EX	26.00	N	92.60	10x510	47740	0	0	100	100	47700
08	WALKPAT	0.00	7	Good	2006	2006	GD	15.00	N	33.75	8200	276750	0	0	100	100	276800

Data Collector/Date	Appraiser/Date	Neighborhood	Supplemental Cards TOTAL IMPROVEMENT VALUE	174460300
bd 07/22/2013	TOG 10/01/2015	Neigh 2200 AV		

ATTACHMENT 6

UNITED STATES POSTAL SERVICE®

GREENWICH

Certificate of Mailing — Firm

Name and Address of Sender	TOTAL NO. of Pieces Listed by Sender	TOTAL NO. of Pieces Received at Post Office™	Affix Stamp Here *Postmark with Date of Receipt.*
Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103	3	3	neopost 07/22/2021 US POSTAGE $002.89⁰ ZIP 06103 041L12203937
	Postmaster, per *(name of receiving employee)*		

USPS® Tracking Number / Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	Fred Camillo, First Selectman Town of Greenwich 101 Field Point Road Greenwich, CT 06830				
2.	Katie DeLuca, Director Planning and Zoning Town of Greenwich 101 Field Point Road Greenwich, CT 06830				
3.	Greenwich Hospital 5 Perryridge Road Greenwich, CT 06830				
4.					
5.					
6.					

OLD STATE HOUSE STATION 06103 JUL 22 2021 USPS