Robinson+Cole

KENNETH C. BALDWIN

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Also admitted in Massachusetts
and New York

July 15, 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**
11 Filbert Road, Norwalk, Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains an existing wireless telecommunications facility at the above-referenced property address (the "Property"). The facility consists of antennas and remote radio heads attached to an existing water tower and related equipment on the ground. Cellco's use of the water tower was approved by the Siting Council ("Council") in May 1993 (Petition No. 305). A copy of the Petition No. 305 Staff Report is included in Attachment 1.

Cellco now intends to modify its facility by installing three (3) Samsung MT6407-77A antennas on the existing cat walk railing. 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 Norwalk'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 water tower. Cellco's antennas will be installed at the same height on the existing pipe masts.

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 Letter ("SA") and Mount Analysis ("MA"), the existing water tower and antenna mounts can support Cellco's proposed modifications. Copies 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 MA as a VZS01 Antenna, is the Samsung 64T64R (MT6407-77A) model antenna 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:

Harry Rilling, Mayor for the City of Norwalk
Steven Kleppin, Norwalk's Director Planning and Zoning Department
First Taxing District, Property Owner
Aleksey Tyurin

ATTACHMENT 1

STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

136 Main Street, Suite 401
New Britain, Connecticut 06051-4225
Phone: 827-7682

Petition No. 305
Metro Mobile of Fairfield County, Inc.
Installation of cellular telecommunications antennas and equipment building at a water tank located in the Town of Norwalk, Connecticut.
Staff Report
May 6, 1993

Metro Mobile of Fairfield County, Inc. (Metro Mobile), is petitioning the Council under the regulations of State Agencies 16-50j-38 through 40 for a declaratory ruling that the installation of certain cellular telecommunications antennas on the sides of an existing water tank and construction of an equipment building adjacent to the base of the water tank will not have a substantial adverse environmental effect and, therefore, does not require a Certificate of environmental compatibility and public need from the Council. On April 30, 1993, Chairman Mortimer A. Gelston of the Connecticut Siting Council (Council), and Fred Cunliffe of the Council's staff reviewed this petition.

Metro Mobile proposes to install six panel antennas with reflectors, approximately three and one-half by one and one-half feet, around the sides of a water tank located at the end of Filbert Road in Norwalk, Connecticut. This existing water tank site is fenced, surrounded by vegetation, and is in a residential area. The existing water tank stands approximately 130 feet to which the antennas would be attached directly to the tank's support legs reaching an approximate total height of 119 feet above ground level Metro Mobile also proposes to construct a 500 square foot equipment building directly beneath the water tank. Exact dimensions would be governed by the confined space under the tower and final approval by the property owner. No clearing or landscaping would be necessary. Metro Mobile states that a building permit would be pursued following a Council ruling.

Metro Mobile contends that this project will have no effect on the ecology of the site, non-ionizing radio frequency will be below the DEP State standard, the proposed installation will not increase noise levels at the site boundary by six decibels or more, and the site boundaries will not be expanded by the project.

In conclusion, Metro Mobile requests that the Council issue a determination that the proposed project will not have a substantial adverse environmental effect and, therefore, does not require a Certificate from the Council. Staff is in agreement with the contentions of Metro Mobile and recommends approval of this petition.

Fred Cunliffe
Siting Analyst

6914E-3

ATTACHMENT 2

WIRELESS COMMUNICATIONS FACILITY

SITE NAME:
E NORWALK CT

FIRST DIST. WATER DEPT.
FILBERT ROAD
NORWALK, CT 06851

ANTENNA MODIFICATION

PROJECT SUMMARY	
SITE NAME:	E NORWALK CT
SITE ADDRESS:	FILBERT RD. NORWALK, CT 06851
PROPERTY OWNER:	FIRST TAXING DISTRICT 3 BELDEN AVE. NORWALK, CT 06850
PARCEL ID:	5-4-199-0
COORDINATES:	41° 07' 06.348" N 73° 23' 47.4288" W
VERIZON CONSTRUCTION:	WALTER CHARCZYNSKI (860) 306-1806
VERIZON REAL ESTATE:	ALEX TYURIN (860) 550-3195

AERIAL VIEW

SHEET INDEX	
DE-1	TITLE SHEET
DE-2	SITE LAYOUT
DE-3	SOUTH ELEVATION
DE-4	ANTENNA SECTOR CONFIGURATION
DE-5	RF PLUMBING DIAGRAM & B.O.M
DE-6	GENERAL CONSTRUCTION NOTES

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WIRELESS COMMUNICATIONS FACILITY
20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

On Air Engineering, LLC
88 Foundry Pond Road
Cold Spring, NY 10516
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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

NO	DATE	DESCRIPTION
0	05.12.21	REVIEW

DRAWN BY:	MF
CHECKED BY:	DW

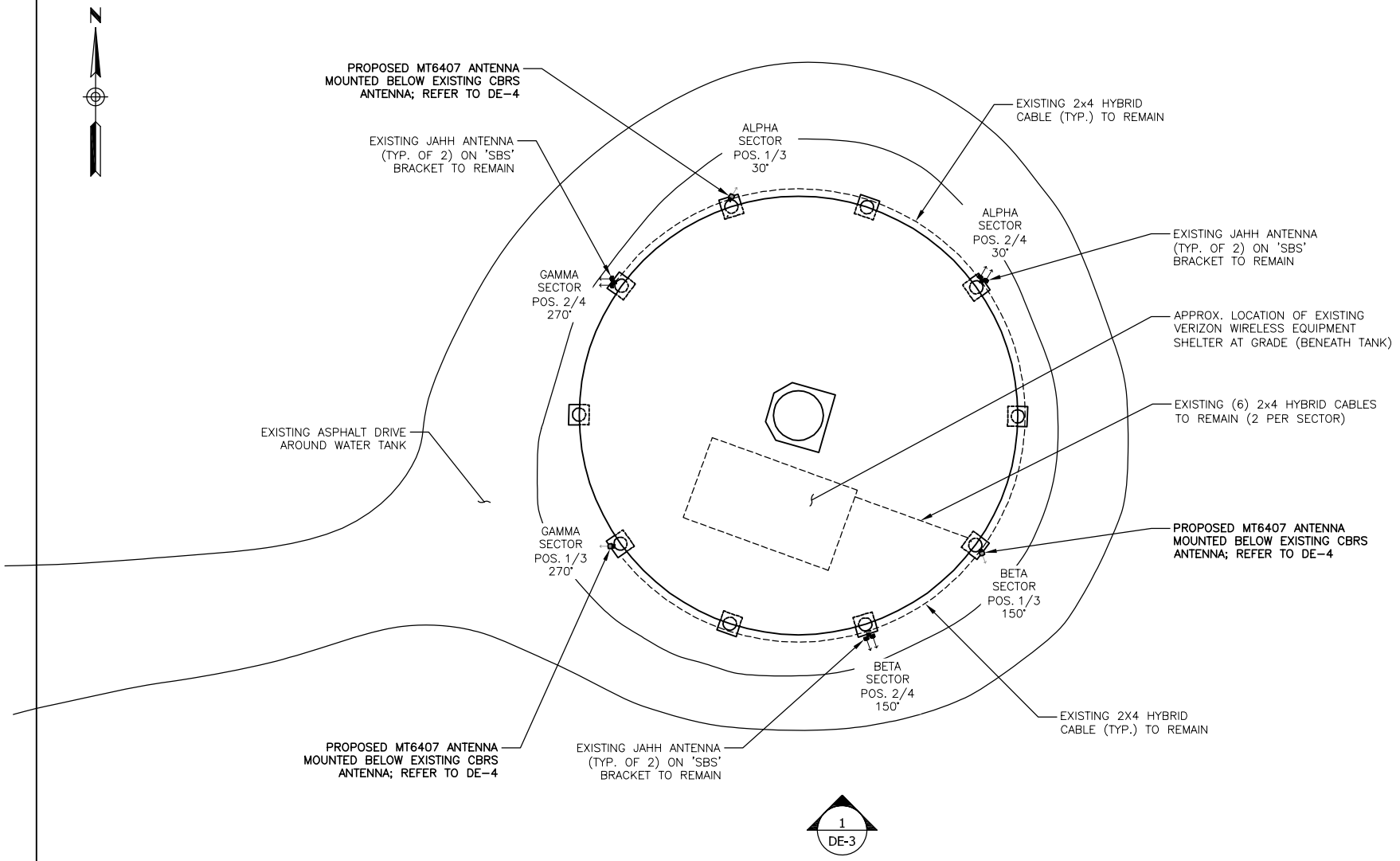
PROJECT NAME:
ANTMO
MT6407
DESIGN EXHIBITS

SITE NAME:
E NORWALK CT

SITE ADDRESS:
FIRST DIST. WATER DEPT.
FILBERT RD.
NORWALK, CT 06851

SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
DE-1



1 DE-2 SITE LAYOUT
Scale: Scale: 1" = 20'

NOTES:
1. SITE LAYOUT IS BASED EXISTING DRAWINGS PROVIDED BY VERIZON WIRELESS AND A LIMITED DESIGN VISIT ON 11-5-20 FOR A PROPOSED ANTENNA MODIFICATION.
2. PLANS ARE DIAGRAMMATIC ONLY AND NOT TO BE SCALED.
3. REFER TO STRUCTURAL ANALYSIS AND MOUNT ANALYSIS, BY OTHERS, UNDER SEPARATE COVER.

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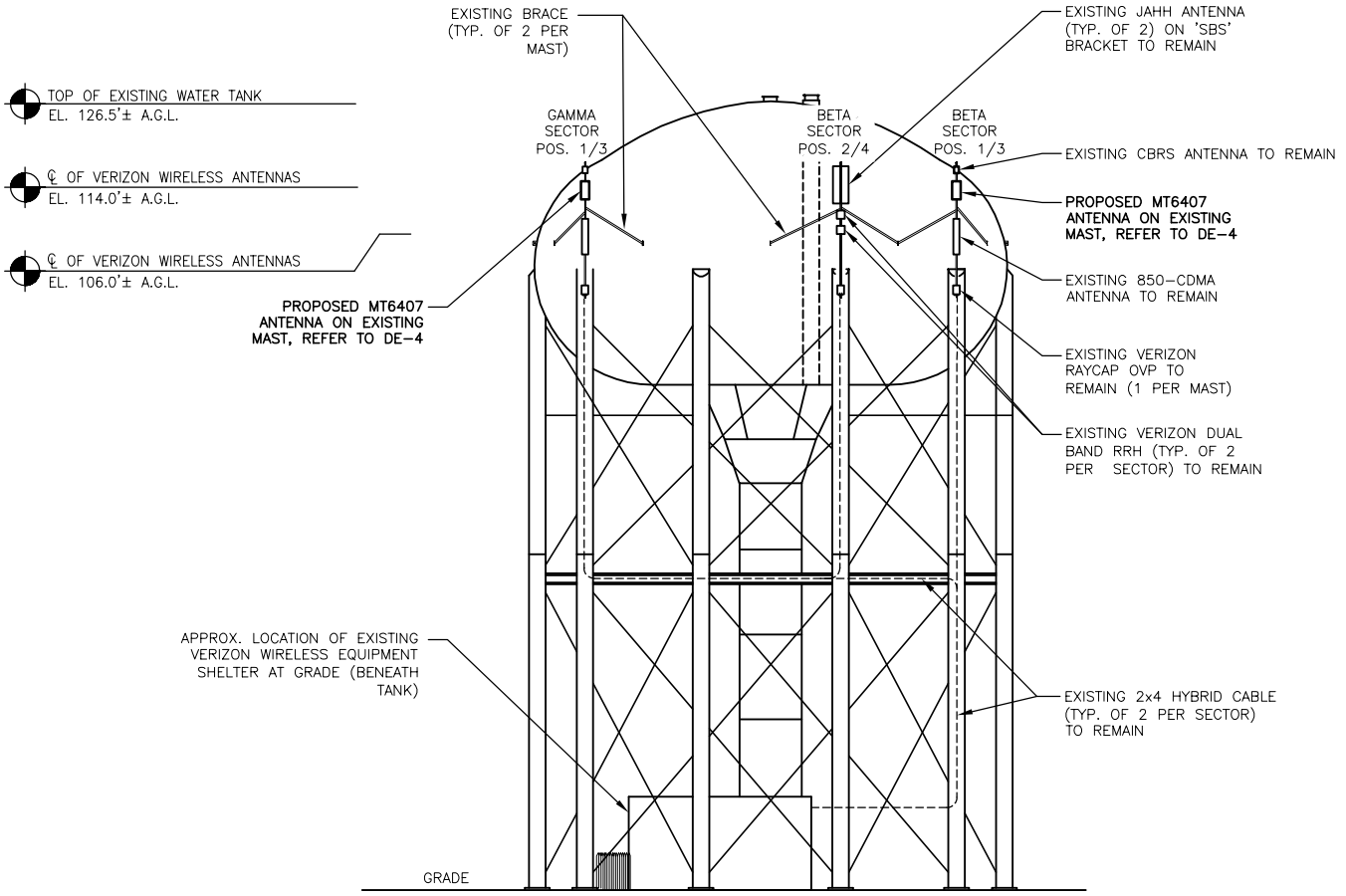
FILBERT RD.
NORWALK, CT 06851

SHEET TITLE:
SITE LAYOUT

SHEET NUMBER:
DE-2



1 / DE-3 SOUTH ELEVATION

Scale: 1" = 20'

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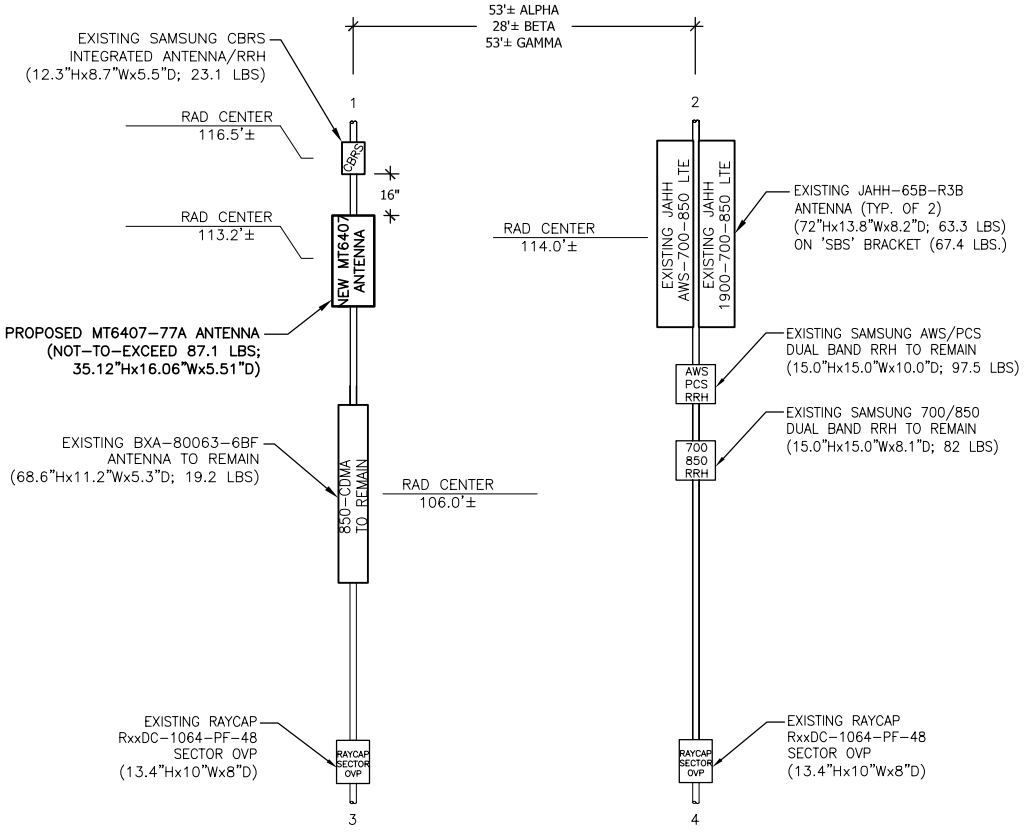
E NORWALK CT

SITE ADDRESS:
FIRST DIST. WATER DEPT.
FILBERT RD.
NORWALK, CT 06851

SHEET TITLE:
SOUTH ELEVATION

SHEET NUMBER:
DE-3



ANTENNAS VIEWED FROM THE REAR

1 / DE-4 ANTENNA CONFIGURATION - PROPOSED (ALL SECTORS)

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

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SITE NAME:
E NORWALK CT

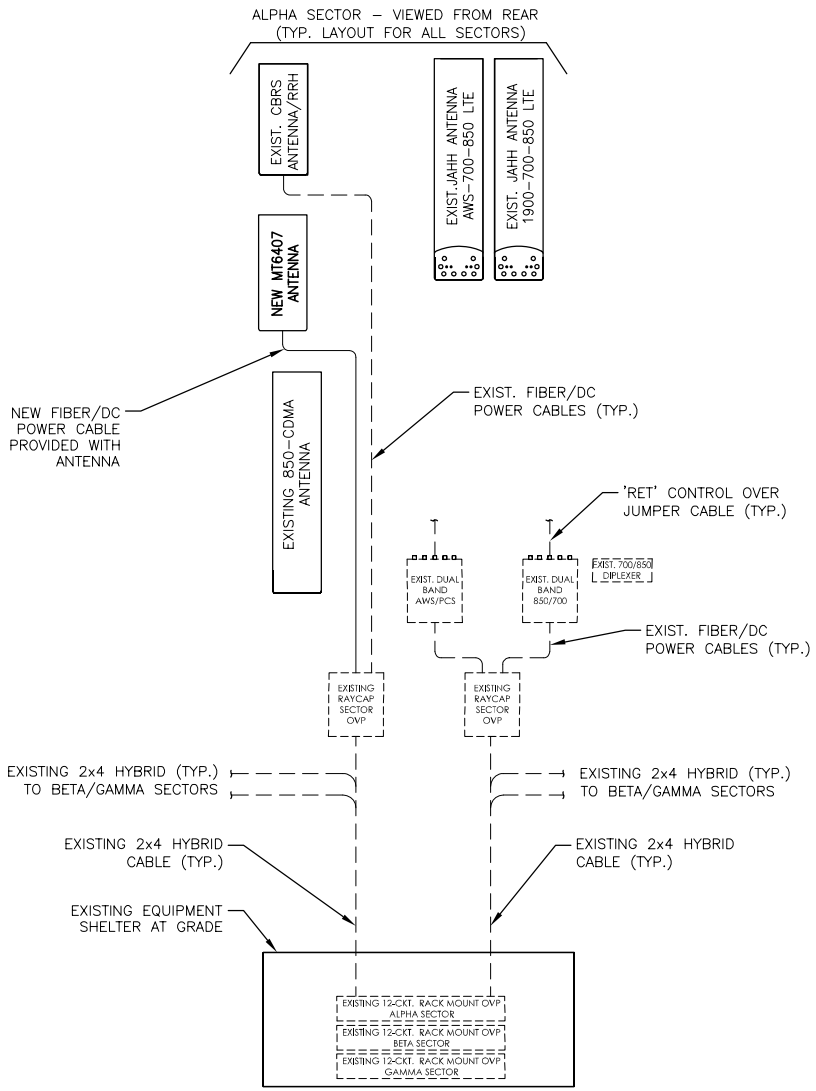
SITE ADDRESS:
FIRST DIST. WATER DEPT.
FILBERT RD.
NORWALK, CT 06851

SHEET TITLE:
ANTENNA
SECTOR
CONFIGURATION

SHEET NUMBER:
DE-4

GENERAL NOTES:

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



1 / DE-5 RF PLUMBING DIAGRAM
Scale: NTS

BILL OF MATERIALS

SITE NAME: E NORWALK CT | ANTMO MT6407 | EMBEDDED BASE

DESCRIPTION	QTY	LENGTH	COMMENTS
12-CKT. LOWER OVP	-	-	EXISTING (3) RACK MOUNT TO REMAIN
2-CKT. SECTOR OVP	-	-	EXISTING (6) TO REMAIN - 2 PER SECTOR
2x4 L.I. HYBRID CABLE	-	-	EXISTING (6) TO REMAIN - 2 PER SECTOR
1/2" JUMPERS	-	-	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
700/850 DIPLEXER	-	-	EXISTING (3) TO REMAIN - 1 PER SECTOR
MT6407 INTEGRATED ANTENNA	3	-	REFER TO RFDS - 1 PER SECTOR
CBRS INTEGRATED ANTENNA	-	-	EXISTING (3) TO REMAIN - 1 PER SECTOR
JAHH AWS-700-850-LTE ANTENNA	-	-	EXISTING (3) TO REMAIN - 1 PER SECTOR
JAHH PCS-700-850-LTE ANTENNA	-	-	EXISTING (3) TO REMAIN - 1 PER SECTOR
SBS MOUNTING BRACKET	-	-	EXISTING (3) TO REMAIN - 1 PER SECTOR
850-CDMA ANTENNA	-	-	EXISTING (3) TO REMAIN - 1 PER SECTOR

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

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E NORWALK CT

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FIRST DIST. WATER DEPT.
FILBERT RD.
NORWALK, CT 06851

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

SHEET NUMBER:
DE-5

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.

WATER TANK NOTES:

1. THE CONTRACTOR SHALL RECEIVE, IN WRITING, FROM THE FIRST DISTRICT WATER DEPT. THE OWNER'S REQUIREMENTS, IF ANY, FOR TANK INSPECTIONS PRIOR TO COMMENCING WITH THE WORK ON THE TANK.

2. UPON THE COMPLETION OF CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A WRITTEN RELEASE FROM THE OWNER STATING THAT ALL WORK WAS PERFORMED IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND THE OWNER'S WRITTEN REQUIREMENTS AND RELEASES ALL LIABILITY TO THE CONTRACTOR, ENGINEER AND CLIENT OR OWNER.

3. CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION TO THE EXISTING WATER TANK AND STRUCTURE DURING INSTALLATION. SHOULD ANY DAMAGE OCCUR, THE CONTRACTOR SHALL IMMEDIATELY INFORM THE ENGINEER AND WATER TANK OWNER, AND IS LIABLE TO RECTIFY DAMAGE AT NO EXTRA COST TO THE CLIENT OR OWNER.

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FIRST DIST. WATER DEPT.
FILBERT RD.
NORWALK, CT 06851

SHEET TITLE:
GENERAL CONSTRUCTION NOTES

SHEET NUMBER:
DE-6

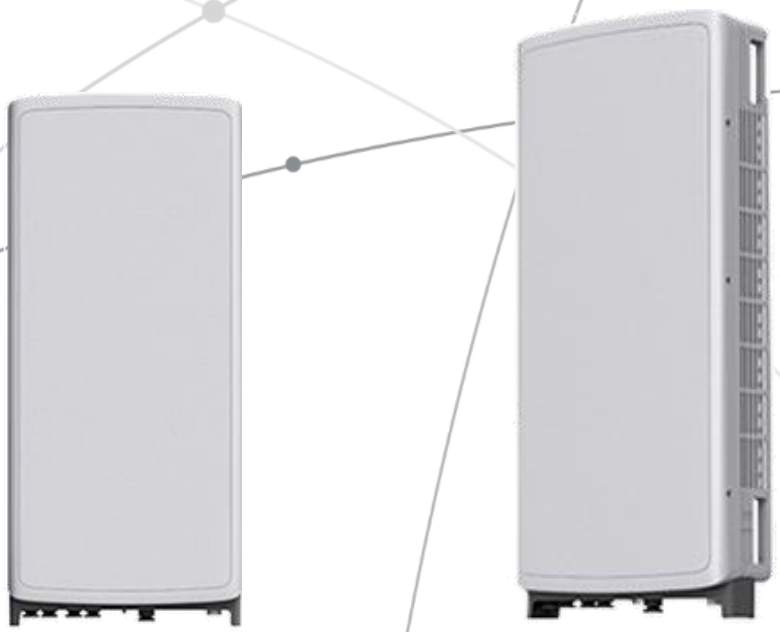
SAMSUNG

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

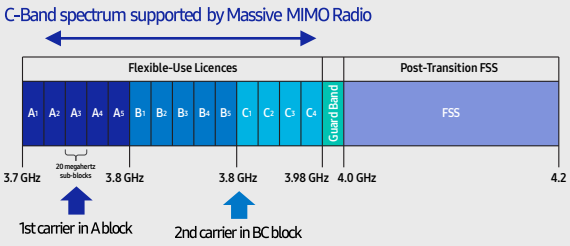


Points of Differentiation

Wide Bandwidth

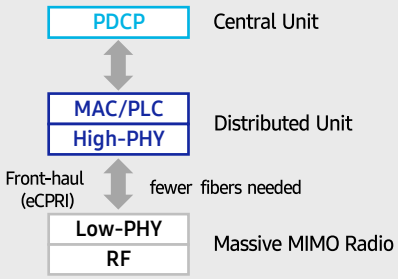
With capability to support up to 2 CC carrier configuration, Samsung C-Band massive MIMO Radio supports 200 MHz bandwidth in the C-Band spectrum.

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.

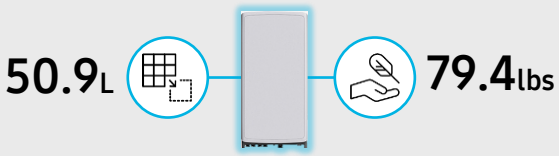
This helps operators reduce their CAPEX as they now need less products to cover the same area than before.

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

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ATTACHMENT 3

Site Name: ***E NORWALK CT***

Cumulative Power Density

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density	Maximum Permissible Exposure*	Fraction of MPE
	(MHz)		(watts)	(watts)	(feet)	(mW/cm^2)	(mW/cm^2)	(%)
VZW 700	751	4	613	2453	114	0.0068	0.5007	1.36%
VZW CDMA	877.26	2	497	993	106	0.0032	0.5848	0.54%
VZW Cellular	874	4	713	2851	114	0.0079	0.5827	1.35%
VZW PCS	1980	4	1593	6372	114	0.0176	1.0000	1.76%
VZW AWS	2120	4	1633	6534	114	0.0181	1.0000	1.81%
VZW CBRS	3625	4	8	34	116.5	0.0001	1.0000	0.01%
VZW CBAND	3730.08	4	6531	26125	113	0.0736	1.0000	7.36%
Total Percentage of Maximum Permissible Exposure								14.19%

*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992

**Calculation includes a -10 dB Off Beam Antenna Pattern Adjustment pursuant to Attachments B and C of the Siting Council's November 10, 2015 Memorandum for Exempt Modification filings

MHz = Megahertz

mW/cm^2 = milliwatts per square centimeter

ERP = Effective Radiated Power

Absolute worst case maximum values used.

ATTACHMENT 4

STRUCTURAL ANALYSIS REPORT

FOR

SITE NAME: E NORWALK CT
FIRST DIST. WATER DEPT.
FILBERT RD
NORWALK, CT 06851

PREPARED FOR:

verizon

WIRELESS COMMUNICATIONS FACILITY
20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

On Air Engineering, LLC
88 FOUNDRY POND ROAD
COLD SPRING, NY 10516
ONAIR@OPTONLINE.NET
201-456-4624

PBA ENGINEERING, P.C
Structural Engineers

12 KULICK ROAD
FAIRFIELD, NEW JERSEY 07004-3363
PHONE: (973) 276-1700
FAX: (973) 276-9766

PROJECT NO. N-584
DATE: 05/27/2021

STATE OF CONNECTICUT
PAUL C. BECK
LICENSED
PROFESSIONAL ENGINEER

Paul C. Beck

Paul C. Beck, P.E.
Connecticut Professional Engineer
License No: 12949

CONTENTS

1. PURPOSE

The purpose of this analysis is to determine whether the existing water tank structure located at Filbert Rd, Norwalk, Connecticut, is adequate to support the proposed modifications to Verizon's antennas and equipment.

2. REFERENCES

1. Construction drawings prepared by On Air Engineering, LLC, dated: May 12, 2021.
2. Structural assessment letter by On Air Engineering, LLC, dated: November 02, 2019
3. Antenna mount analysis report by Maser Consulting Connecticut, dated: March 03, 2021.
4. Original Water Tank Drawings E3 thru E6 by Pittsburgh-Des Moines Steel Co. contract #12107 dated 9-12-62.
5. Original Verizon Antenna Mounting Details sheet S-1 by L&W Engineering, Dumont, NJ dated 4-20-93.

3. BUILDING CODES

1. 2018 Connecticut State Building Code.
2. 2015 International Building Code.
3. ASCE/SEI 7-10 (Minimum Design Loads for Buildings and Other Structures).
4. ANSI/AWWA D100-11 (Welded Carbon Steel Tanks for Water Storage).

4. EXISTING STRUCTURE & FIELD OBSERVATIONS

The existing water tank structure is 126.5 feet in height with a diameter of 77 feet. The cross-braced column supported elevated tank consists of welded steel plates that form the standpipe and reservoir. The reservoir is supported by 10 steel column legs braced with steel rods. The antennas and equipment are currently supported by steel pipe posts welded directly to the tank support legs. See construction documents referenced above for more detail on the existing support members and antenna locations.

5. PROPOSED VERIZON ANTENNA/EQUIPMENT CONFIGURATION (TYP. EA. SECTOR)

a. (1) MT6407-77A Integrated Antenna.
b. (2) JAHH-65B-R3B Antenna on 'SBS' brackets.
c. (1) AWS/PCS Dual Band RRH.
d. (1) 700/850 Dual Band RRH.
e. (1) 850-CDMA Antenna.
f. (1) Samsung CBRS Integrated Antenna/RRH.
g. (2) Raycap OVP.

6. RESULTS

The existing water tank weight without water is approximately 445,800 pounds. The Verizon equipment weight is approximately 6,306 pounds which is inclusive of all sectors with proposed changes. Thus, the gravity load is increased by 1.40%. If the tank were full then the gravity load percentage increase would be lower. The lateral forces applied from the tank and its contents are detailed in the attached calculations which indicate that seismic force controls rather than wind forces. The percentage increase in seismic lateral force applied from the proposed Verizon changes is 0.07 percent.

7. CONCLUSION

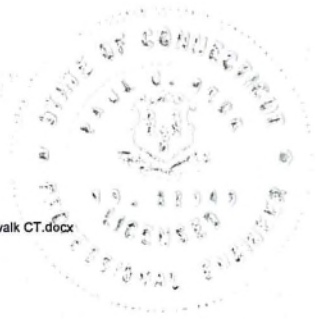
According to the 2015 IBC/IEBC, which is referenced in the 2018 Connecticut Building Code, a 5% or less increase in gravity loads and 10% or less increase in lateral loads does not require an analysis of the existing water tank as stated in sections 707.2 and 807.5. Since the increase in each of those forces are less than 5 and 10 percent respectively, the existing water tank is found to be adequate to support the modifications to the Verizon equipment as stated in this report. The members supporting the telecommunications equipment were all found to be adequate to support the modifications as seen in the calculations once the new braces are installed.

This analysis is based on the information provided to our office and is assumed to correctly depict the existing condition. The existing water tank structure and foundation are assumed to be installed properly and in a professional manner per the original design documents. From the time the tank was initially constructed, it is assumed that the tank has undergone regular maintenance and will continue in the same manner.

Should you have any questions concerning the items contained within this report, please do not hesitate to contact our office.

Sincerely,
PBA ENGINEERING, P.C.

Paul C. Beck, P.E.
Connecticut Professional Engineer
License No: 12949



PCB/Pmf

L:\WP61\LTR\CELLULAR JOBS\N-584 Structural Analysis Report, Verizon - 1 Filbert Rd Norwalk CT.docx

APPENDIX (A)

previous Calculations attached

PBA ENGINEERING, P.C.
Structural Engineers
12 Kulick Road • Fairfield, New Jersey 07004
973-276-1700

JOB N-528 (N-584)
Filbert Rd
East Norwalk, CT

SHEET NO. Re OF 05/12/21
CALCULATED BY WJZ DATE 5/31/19

SEISMIC LOAD CALCULATION (PER AWWA D100-11)

- SEISMIC USE GROUP = III (TABLE 24)
- IMPORTANCE FACTOR $I_E = 1.5$ (TABLE 24)
- SITE CLASS = D (TABLE 25)
- $S_S = 0.231$ (FIGURE 5)
- $S_1 = 0.067$ (FIGURE 6)
- $F_a = 1.6$ (TABLE 26)
- $F_v = 2.4$ (TABLE 27)
- RESPONSE MODIFICATION FACTOR: (TABLE 28)
  R_i (IMPULSIVE) = 3.0
- $S_{MS} = F_a S_S = (1.6)(0.231) = 0.370$ (FIGURE 13-5)
- $S_{M1} = F_v S_1 = (2.4)(0.067) = 0.161$ (FIGURE 13-6)
- $S_{DS} = \left(\frac{2}{3}\right) S_{MS} = \left(\frac{2}{3}\right)(0.370) = 0.246$ (EQ 13-7)
- $S_{D1} = \left(\frac{2}{3}\right) S_{M1} = \left(\frac{2}{3}\right)(0.161) = 0.107$ (EQ 13-8)
- $T_L = 6.0$ SECONDS (FIGURE 19)
- $T_i \leq 4.0$ SECONDS (SECTION 13.2.9.1)
- $T_S = \frac{S_{D1}}{S_{DS}} = \frac{0.107}{0.246} = 0.435$ SECONDS (SECTION 13.2.7.3.1)

Previous Calculations attached

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Structural Engineers
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JOB N-528 (N-584)
Filbert Rd
East Norwalk, CT

SHEET NO. Re OF 05/13/21
CALCULATED BY WJZ DATE 5/31/19

- FOR $0 \leq T_i \leq T_S$: $S_{ai} = S_{DS} = 0.246$ (controls) (EQ 13-9)

FOR $T_S < T_i \leq T_L$: $S_{ai} = \frac{S_{D1}}{T_i} = \frac{0.107}{4} = 0.027$ (EQ 13-10)

$\therefore S_{ai} = 0.246$

- $A_i = \frac{S_{ai} I_E}{1.4 R_i} \geq \frac{0.36 S_1 I_E}{R_i}$ (EQ 13-16)

$= \frac{(0.246)(1.5)}{1.4(3.0)} \geq \frac{0.36(0.067)(1.5)}{3.0}$

$= 0.088 \geq 0.012$ ✓

- W_T (WEIGHT OF WATER TANK):

LEGS	= 147,620 #	*
STAND PIPE	= 50,270 #	*
INNER DRAIN PIPE	= 13,280 #	*
STAND PIPE FRUSTRUM CONE	= 30,280 #	*
TANK RESERVIOR	= 204,350 #	*
TOTAL	= 445,800 #	

* = WEIGHTS BASED ON PREVIOUS CALCULATIONS PERFORMED ON 9/21/11

- W_C (WEIGHT OF CONTENTS)

= (TANK CAPACITY) × (WATER DENSITY)
= (1,000,000 GALLONS) × (8.34 lb./GALLON)
= 8,340,000 #

- V_S (SEISMIC LATERAL FORCE) (EQ 13-20)

$= A_i W_{TOTAL} = (0.088)(8,340,000 + 445,800)$
$= \underline{773,150 \#}$

pervious calculations attached

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Structural Engineers
12 Kulick Road • Fairfield, New Jersey 07004
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JOB N-528 (N-584)
Filbert Rd
East Norwalk, CT

SHEET NO. Re OF 09/12/21
CALCULATED BY WJZ DATE 5/31/19

- PROJECTED WIND AREA OF TANK STRUCTURE:

TANK RESERVIOR	= 2827 SF	*
TOTAL LEG AREA	= 2670 SF	*
STANDPIPE	= 1700 SF	*

TOTAL = 7197 SF

* = WEIGHTS BASED ON PREVIOUS CALCULATIONS PERFORMED ON 9/21/11

- V_W (WIND LATERAL FORCE)

= (WIND PRESSURE) × (PROJECTED WIND AREA)
= (46.458 PSF) × (7197 SF)
= 334,358 #

- GOVERNING LOAD:

$$= \left(\frac{0.7\,V_{SEISMIC}}{0.6\,V_{WIND}}\right)$$

$$= \left(\frac{0.7 \times 773{,}150}{0.6 \times 334{,}358}\right) = 2.7 \quad \therefore \text{ SEISMIC LOAD GOVERNS}$$

PBA ENGINEERING, P.C.
Structural Engineers
12 Kulick Road • Fairfield, New Jersey 07004
973-276-1700

JOB (N-584)
Filbert Rd
East Norwalk, CT
SHEET NO. _____ OF _____
CALCULATED BY SI Re DATE 05/12/21

- Weight of Verizon Equipment (per sector):

(1) V2501 Ant.	= 87.1 #	= 87.1 #
(2) JAHH-65B-R3B	= 2*63.3 # + 67.4 #	= 194 #
(1) AWS/PCS Dual Band RRH	= 97.5 #	= 97.5 #
(1) 700/850 RRH	= 82 #	= 82 #
(1) Samsung CBRS Ant/RRH	= 23.1 #	= 23.1 #
(2) RayCap OVP	= 2 * 12.1 #	= 24.2 #
Pipe posts	= 2 @ 165 #	= 330 #
New braces	= 4 @ 66 #	= 264 #
Cable	= 1000 #	= 1000 #
Total weight (per sector)		= 2102 #

(3) sectors @ 2102 #/sector = 6306 #

- V_{Add} (Additional Lateral force from Telecom equipment)

$= (0.088)(6306)$

$= 555 \# = 0.555$ kips

- Seismic force comparison

$= \frac{V_{Add}}{V_s (Exist)} = \frac{0.555 \text{ K}}{773.15 \text{ K}} =$ 0.07 % < 10% O.K.

Tank is Adequate
to support equipment

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

Antenna Mount Analysis Report and PMI Requirements

Mount Analysis

SMART Tool Project #: 10017965
Maser Consulting Connecticut Project #: 20777278A

March 3, 2021

Site Information	*Site ID:*	*467460-VZW / E Norwalk CT*
	Site Name:	*East Norwalk CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*1 Filbert St.* *Norwalk, Connecticut 06851* *Fairfield County*
	Latitude:	*41.118430°*
	Longitude:	*-73.396508°*
Structure Information	*Tower Type:*	*126.5-Ft Water Tank*
	Mount Type:	*18.2-Ft Pipe Mounts*

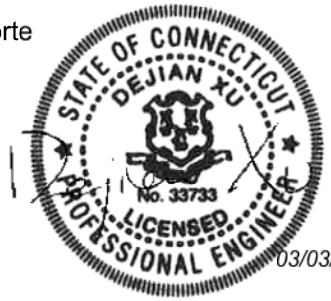
FUZE ID # 16231851

Analysis Results

Pipe Mounts: **41.5% 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: Nathan LaPorte



03/03/2021

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS Site ID: 323813, dated 10/9/2020*
Mount Mapping Report	*Tower Engineering Professionals Site ID: 467460, dated 12/10/2020*
Construction Drawings	*On Air Engineering, LLC Site Name: E Norwalk CT, dated 10/25/2019*
Mount Information Email	*Email correspondence with David Weinpahl, dated 2/17/2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	118 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	III
	Exposure Category:	B
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.996
Seismic Parameters:	S_S:	0.238
	S_1:	0.056
Maintenance Parameters:	Wind Speed (3-sec. Gust):	N/A
	Maintenance Live Load, Lv:	N/A
	Maintenance Live Load, Lm:	N/A
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
106.00	116.50	3	Samsung	XXDWMM-12.5-65-8T-CBRS	Retained
	113.20	3	-	VZS01	Added
	114.00	6	CommScope	JAHH-65B-R3B	Retained
	106.00	1	Amphenol	BXA-80063-6BF-EDIN-0	
		2	Amphenol	BXA-80063-6BF-EDIN-4	
		3	CommScope	CBC78T-DS-43-2X	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		6	Raycap	RxxDC-1064-PF-48	

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

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
Pipe Brace	*31.8%*	*Pass*
Bottom Plate	*6.5%*	*Pass*
Top Plate	*41.5%*	*Pass*
Threaded Rod	*16.7%*	*Pass*
Equipment Pipe	*23.2%*	*Pass*
Antenna Pipe	*18.1%*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**41.5%**

Construction of supporting structure could not be confirmed. The final desired loading configuration results in factored loads as shown in the table below.

We recommend the supporting structure EOR utilize these values to determine the adequacy of the connection and supporting structure. Alternatively, Maser Consulting can evaluate the connection capacity if additional information regarding the supporting structure construction is provided.

Component	Shear – Fx (lbs)	Shear – Fy (lbs)	Tension – Fz (lbs)	Mx (lb-ft)	My (lb-ft)	Mz (lb-ft)
Pipe Upper Connection	*383.8*	*1,975.5*	*428.1*	*175.0*	*44.0*	*51.0*
Pipe Lower Connection	*246.2*	*274.1*	*180.9*	*84.0*	*244.0*	*5.0*
Kicker Connection	*1,240.8*	*2,088.8*	*829.9*	*0.0*	*0.0*	*0.0*

Recommendation:

The existing mounts are **SUFFICIENT** for the final loading configuration and do not require modifications.

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

Attachments:

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

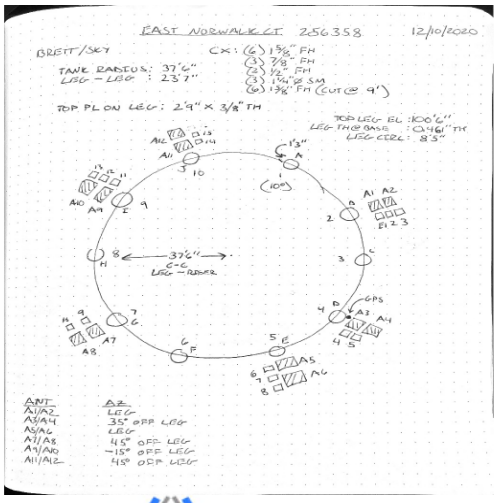
V3.0 Updated on 8-31-2020

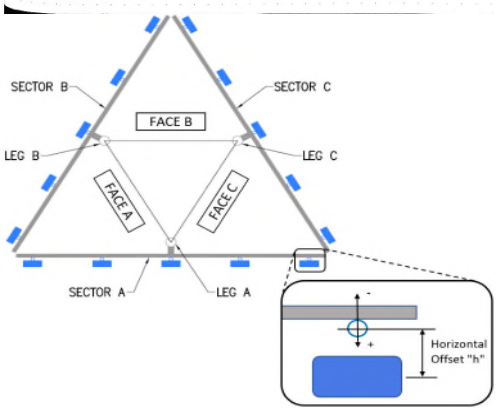
Antenna Mount Mapping Form (PATENT PENDING)

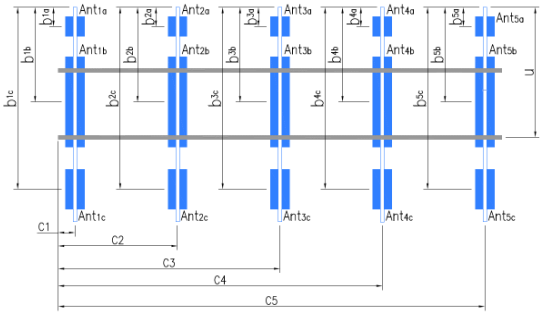
FCC # N/A

Tower Owner:	First Taxing District of the City of Norwalk	**Mapping Date:**	12/10/2020
Site Name:	East Norwalk CT	**Tower Type:**	Other
Site Number or ID:	467460	**Tower Height (Ft.):**	
Mapping Contractor:	TEP	**Mount Elevation (Ft.):**	101.5

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







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	4.5"Øx0.237"x218"	180.00		C1	4.5"Øx0.237"x218"	180.00	
A2	4.5"Øx0.237"x218"	180.00		C2	4.5"Øx0.237"x218"	180.00	
A3				C3			
A4				C4			
A5				C5			
A6				C6			
B1	4.5"Øx0.237"x218"	180.00		D1			
B2	4.5"Øx0.237"x218"	180.00		D2			
B3				D3			
B4				D4			
B5				D5			
B6				D6			

Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	18.00
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	

Please enter additional infomation or comments below.

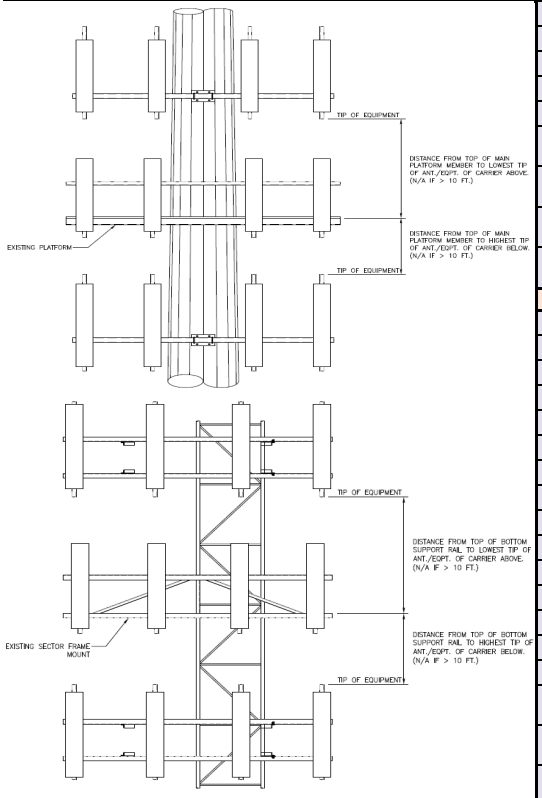
Ant1b is the top antenna on the first leg of the sector. Ant2b is the bottom antenna on the first leg of the sector.
Ant3b is the top antenna on the second leg of the sector. Ant4b is the bottom antenna on the first leg of the sector.
Bottom antenna center line 104.5'. Top antenna center line 110'

Tower Face Width at Mount Elev. (ft.):	37.5	Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	32.15

Ants. Items	Enter antenna model. If not labeled, enter "Unknown". Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Mounting Locations [Units are inches and degrees] Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photos of antennas Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}	HBXX-6517DS-A2M	12.00	6.53	75.03		112	36.00	11.00	20.00	76
Ant_{1c}										
Ant_{2a}	B25 RRH 4x30					100.5	174.00	9.00		81
Ant_{2b}	BXA-80063-6BF-EDIN	11.20	5.00	71.10		111	48.00	13.00	20.00	79
Ant_{2c}	RRFDC-1064-PF-48 (MFG DATE 03-14)					98.25	201.00	8.00		84
Ant_{3a}										
Ant_{3b}	X7C-FRO-660-VRO	14.60	8.20	72.00		96.3333	44.00	12.00	45.00	126
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	HBXX-6517DS-A2M	12.00	6.53	75.03		90	120.00	10.00	45.00	127
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	9442 RRH 2x40-AWS	10.63	6.70	21.40			220.00	7.00		128-130
Ant on Standoff	RHSDC-1064-PF-PF-48						246.00	9.00		128-130
Ant on Tower	700MRRH, KS24822L1 1:1						254.00	7.00		128-130
Ant on Tower										

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

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



Sector B										
Ant_{1a}										
Ant_{1b}	HBXX-6517DS-A2M	12.00	6.53	75.03		112	36.00	11.00	155.00	134
Ant_{1c}										
Ant_{2a}	B25 RRH 4x30					100.5	174.00	9.00		137
Ant_{2b}	BXA-80063-6BF-EDIN	11.20	5.00	71.10		111	48.00	13.00	155.00	136
Ant_{2c}	RRFDC-1064-PF-48					98.25	201.00	8.00		138
Ant_{3a}										
Ant_{3b}	X7C-FRO-660-VRO	14.60	8.20	72.00		96.3333	44.00	12.00	155.00	142
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	HBXX-6517DS-A2M	12.00	6.53	75.03		90	120.00	10.00	155.00	143
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	9442 RRH 2x40-AWS	10.63	6.70	21.40			220.00	7.00		144-147
Ant on Standoff	RHSDC-1064-PF-PF-48						246.00	9.00		144-147
Ant on Tower	700MRRH, KS24822L1 1:1						254.00	7.00		144-147
Ant on Tower										
Sector C										
Ant_{1a}										
Ant_{1b}	HBXX-6517DS-A2M	12.00	6.53	75.03		112	36.00	11.00	270.00	
Ant_{1c}										
Ant_{2a}	B25 RRH 4x30					100.5	174.00	9.00		
Ant_{2b}	BXA-80063-6BF-EDIN	11.20	5.00	71.10		111	48.00	13.00	270.00	
Ant_{2c}	RRFDC-1064-PF-48					98.25	201.00	8.00		
Ant_{3a}										
Ant_{3b}	X7C-FRO-660-VRO	14.60	8.20	72.00		96.3333	44.00	12.00	285.00	95
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	HBXX-6517DS-A2M	12.00	6.53	75.03		90	120.00	10.00	285.00	99
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	9442 RRH 2x40-AWS	10.63	6.70	21.40			220.00	7.00		107
Ant on Standoff	RHSDC-1064-PF-48 (MFG DATE 05-13)						246.00	9.00		113
Ant on Tower	700MRRH, KS24822L1 1:1						254.00	7.00		110
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.

V3.0 Updated on 8-31-2020

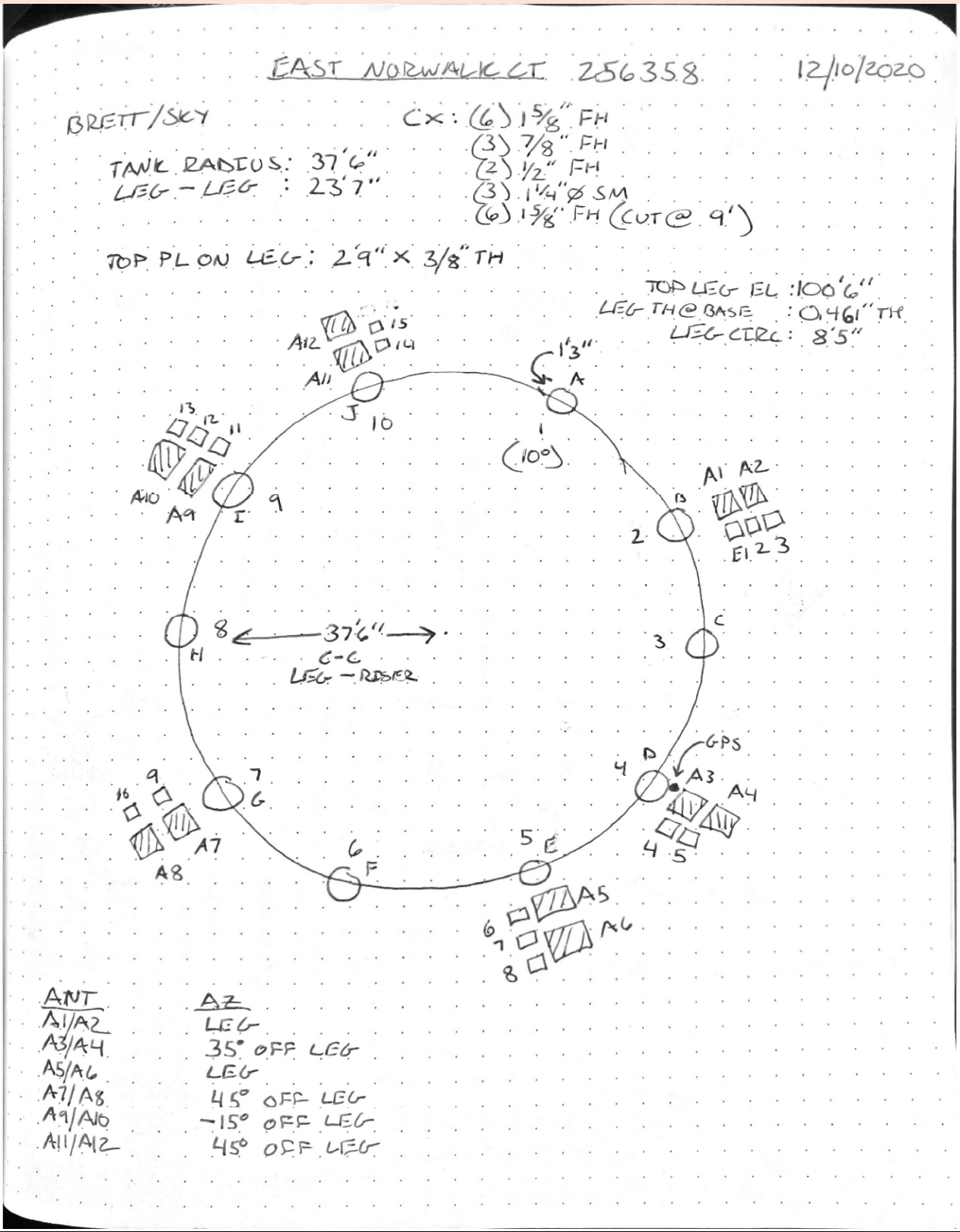
Antenna Mount Mapping Form (PATENT PENDING)

FCC # N/A

Tower Owner:	First Taxing District of the City of Norwalk	**Mapping Date:**	12/10/2020
Site Name:	East Norwalk CT	**Tower Type:**	Other
Site Number or ID:	467460	**Tower Height (Ft.):**	
Mapping Contractor:	TEP	**Mount Elevation (Ft.):**	101.5

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

Please Insert Sketches of the Antenna Mount

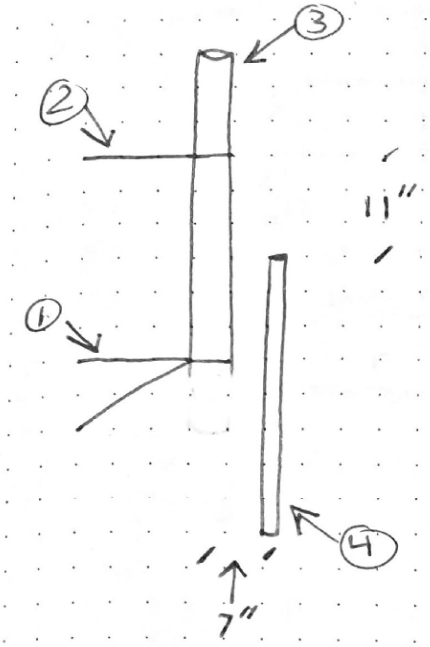


ANT	AZ
A1/A2	LEG
A3/A4	35° OFF LEG
A5/A6	LEG
A7/A8	45° OFF LEG
A9/A10	-15° OFF LEG
A11/A12	45° OFF LEG

Please Insert Sketches of the Antenna Mount, cont'd

MOUNT #1

I E B



① SAME

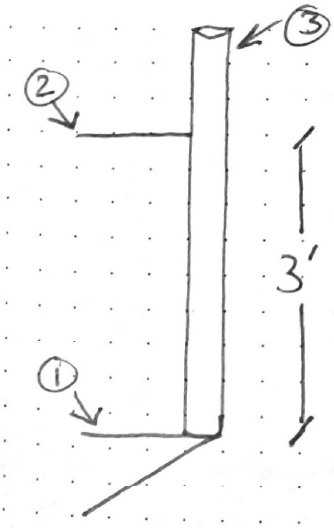
② SAME

③ 4.5"ø PIPE

④ PIPE 2.4"ø X 6'LG
W(2) SETS OF (4) BP
2"X 8"X ½" TH
W(2) 5/8" TR 6"C-C
1'8½" C-C BETWEEN SETS VERT

MOUNT #2

D G J



① PL 1'X10" X ½" TH
W STIFF PL 9" X 10" X ½" TH

② PL 1'3" X 1' X 9/16" TH

③ 4.5"ø PIPE X 18'2" LG X 0.319" TH

Please Insert Sketches of the Antenna Mount, cont'd

D G J

	TOP ANT	BOTTOM ANT	
U	15'		← [TOP PIPE ↓ LEG]
B16	3'	4' (LEG TO CENTER ANT)	
h	11"	1'1"	
℄	111"	104'6"	

EQUIPMENT	E15 (TOP EQUIP)	E14 (BOT EQUIP)	
A16	14'6"	16'9"	← [TOP PIPE ↓ CENTER]
h	9"	8"	

*J (2) 1 5/8" FH CAPPED

MODEL #S

BOT ANT BXA-80063-6BF-EDIN

TOP ANT ANDREW HBXX-6517DS-A2M

E15 ALCATEL LUCENT B25 RRH 4X30

E14 RAYCAP RRFDC-1064-PF-48

I, E, B

	TOP ANT	BOTTOM ANT
U	15'	
B16	3'8"	10'
h	12"	10"

	E13 (TOP EQUIP)	E12 (STRUCSARB)	E11 (BOT EQUIP)	
A16	18'4"	20'6"	21'2"	TOP PIPE ↓ CENTER
h	7"	9"	7"	

MODEL #S

BOT ANT ANDREW HBXX-6517DS-A2M

TOP ANT CSS X7C-FRO-660-VRO

9442

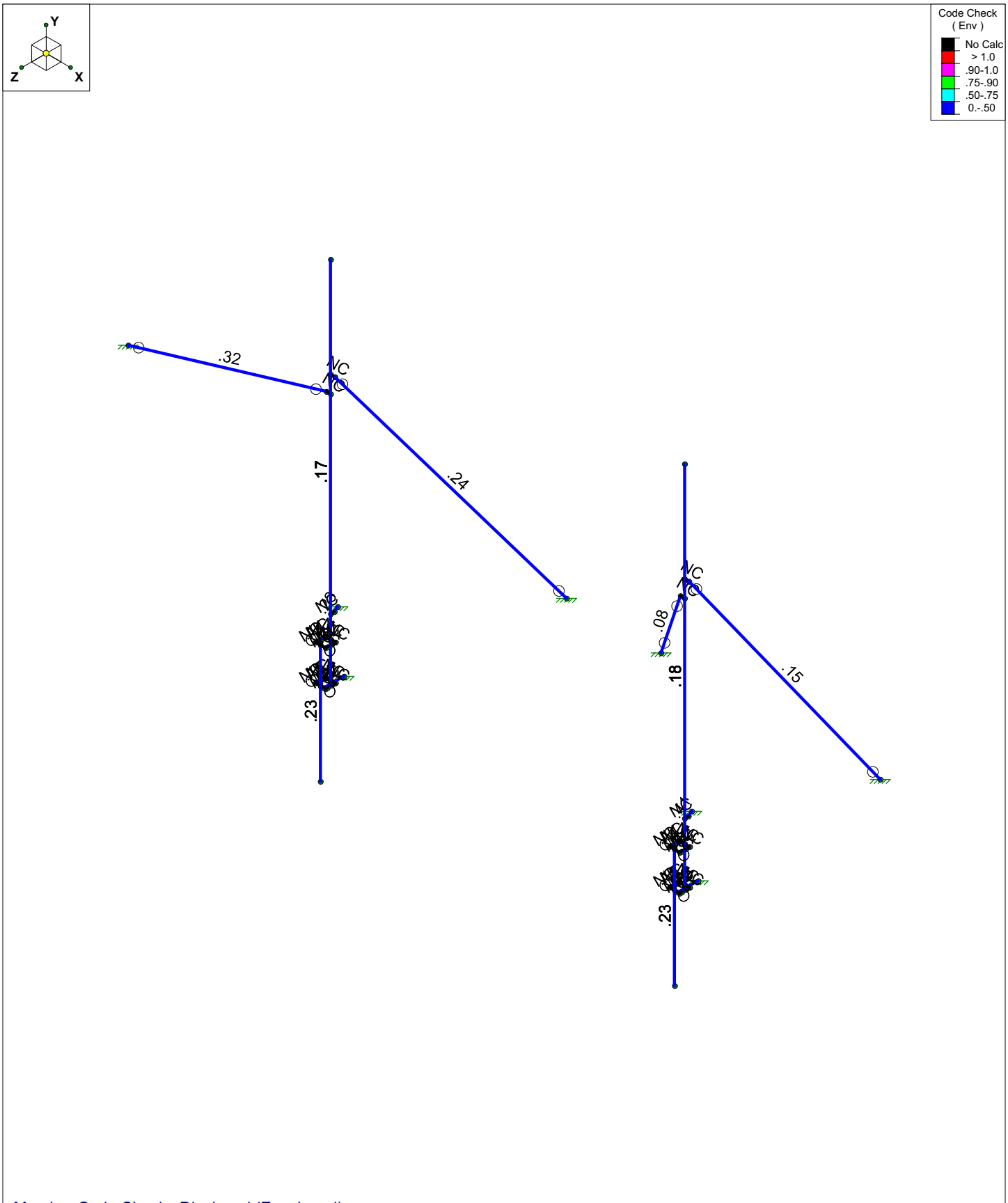
E13: ALCATE LUCENT RRH 2X40 -AWS

E12: RHSDC 1064-PF-48

E11: 700MRRH, KS24822L1 1:1

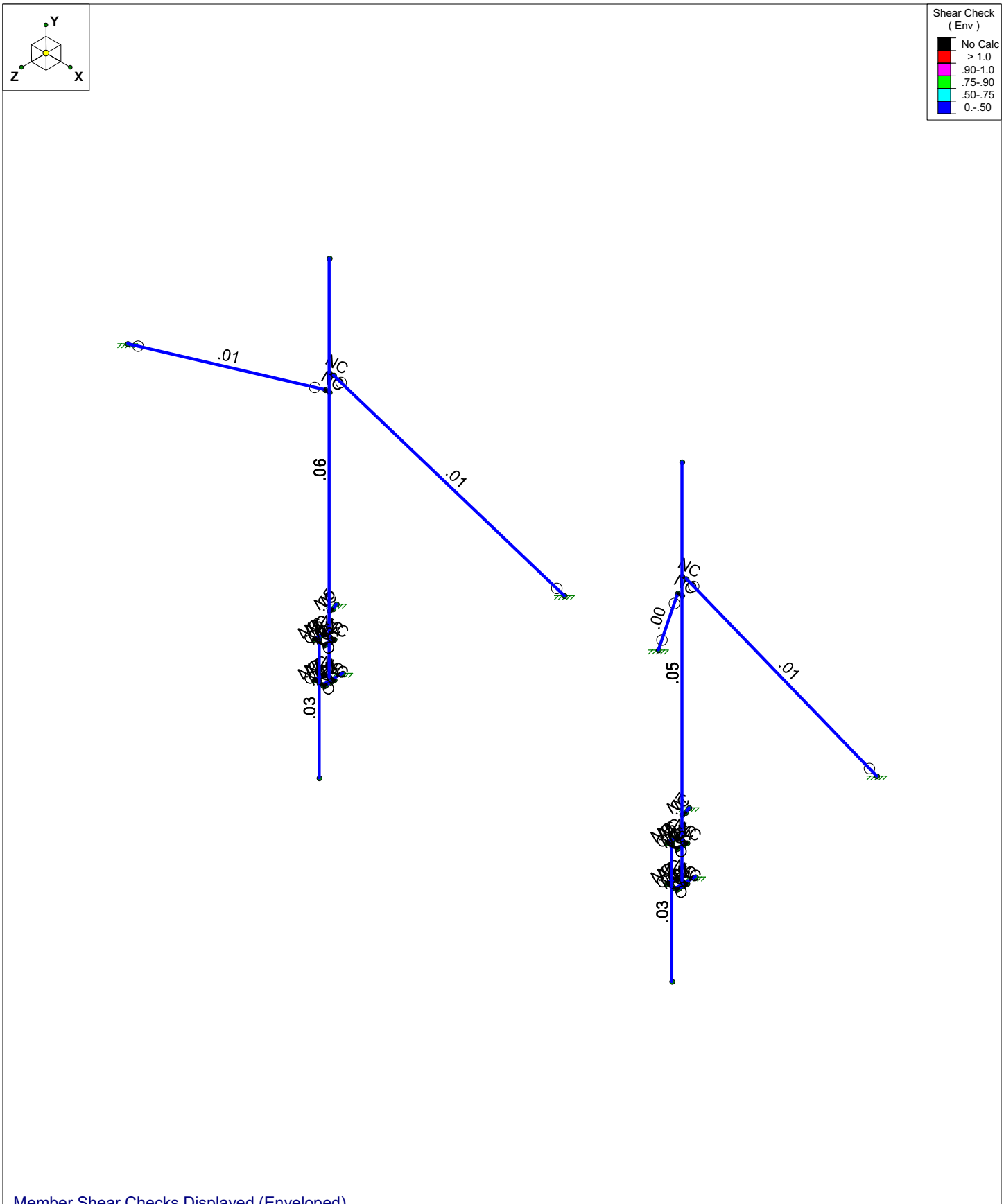
Envelope Only Solution

Maser Consulting	Mount Analysis	SK - 1
NL		Mar 2, 2021 at 4:19 PM
20777278A		Updatd - 467460-VZW_MT_LOT_...



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	Mount Analysis	SK - 2
NL		Mar 2, 2021 at 4:19 PM
20777278A		Updatd - 467460-VZW_MT_LOT_...



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	Mount Analysis	SK - 3
NL		Mar 2, 2021 at 4:19 PM
20777278A		Updatd - 467460-VZW_MT_LOT_...

Basic Load Cases

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

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(...
57	Structure Wi (120 D...	None						40		
58	Structure Wi (150 D...	None						40		
59	Structure Wi (180 D...	None						40		
60	Structure Wi (210 D...	None						40		
61	Structure Wi (240 D...	None						40		
62	Structure Wi (270 D...	None						40		
63	Structure Wi (300 D...	None						40		
64	Structure Wi (330 D...	None						40		
65	Structure Wm (0 De...	None						40		
66	Structure Wm (30 D...	None						40		
67	Structure Wm (60 D...	None						40		
68	Structure Wm (90 D...	None						40		
69	Structure Wm (120 ...	None						40		
70	Structure Wm (150 ...	None						40		
71	Structure Wm (180 ...	None						40		
72	Structure Wm (210 ...	None						40		
73	Structure Wm (240 ...	None						40		
74	Structure Wm (270 ...	None						40		
75	Structure Wm (300 ...	None						40		
76	Structure Wm (330 ...	None						40		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			

Load Combinations

	Description	Solve	P...	S...	BLC	Fac...	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 De...	Yes	Y		1	1.2	39	1.2	3	1	41	1														
2	1.2D+1.0Wo (30 D...	Yes	Y		1	1.2	39	1.2	4	1	42	1														
3	1.2D+1.0Wo (60 D...	Yes	Y		1	1.2	39	1.2	5	1	43	1														
4	1.2D+1.0Wo (90 D...	Yes	Y		1	1.2	39	1.2	6	1	44	1														
5	1.2D+1.0Wo (120 ...	Yes	Y		1	1.2	39	1.2	7	1	45	1														
6	1.2D+1.0Wo (150 ...	Yes	Y		1	1.2	39	1.2	8	1	46	1														
7	1.2D+1.0Wo (180 ...	Yes	Y		1	1.2	39	1.2	9	1	47	1														
8	1.2D+1.0Wo (210 ...	Yes	Y		1	1.2	39	1.2	10	1	48	1														
9	1.2D+1.0Wo (240 ...	Yes	Y		1	1.2	39	1.2	11	1	49	1														
10	1.2D+1.0Wo (270 ...	Yes	Y		1	1.2	39	1.2	12	1	50	1														
11	1.2D+1.0Wo (300 ...	Yes	Y		1	1.2	39	1.2	13	1	51	1														
12	1.2D+1.0Wo (330 ...	Yes	Y		1	1.2	39	1.2	14	1	52	1														
13	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1										
14	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1										
15	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1										
16	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1										
17	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1										
18	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1										
19	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1										
20	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1										
21	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1										
22	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1										
23	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1										
24	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1										
25	1.2D + 1.5Lm1 + 1...		Y		1	1.2	39	1.2	77	1.5	27	1	65	1												
26	1.2D + 1.5Lm1 + 1...		Y		1	1.2	39	1.2	77	1.5	28	1	66	1												
27	1.2D + 1.5Lm1 + 1...		Y		1	1.2	39	1.2	77	1.5	29	1	67	1												
28	1.2D + 1.5Lm1 + 1...		Y		1	1.2	39	1.2	77	1.5	30	1	68	1												

Load Combinations (Continued)

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

Joint Coordinates and Temperatures

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
1	N6	-100.	0	0	0	
2	N10	-100.	218.	0	0	
3	N3	-100.	23.	0	0	
4	N4	-103.	23.	0.	0	
5	N5	-97.	23.	-0.	0	
6	N6A	-100.	23.	6	0	
7	N7	-103.	23.	6	0	
8	N8	-97.	23.	6	0	
9	N9	-100.	25.	6	0	
10	N10A	-100.	-47.	6	0	
11	N11	-103.	23.	4.8	0	
12	N12	-97.	23.	4.8	0	
13	N13	-103.	23.	2.3	0	
14	N14	-97.	23.	2.3	0	
15	N15	-100.	2.	0	0	
16	N16	-103.	2.	0.	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
17	N17	-97.	2.	-0.	0	
18	N18	-100.	2.	6	0	
19	N19	-103.	2.	6	0	
20	N20	-97.	2.	6	0	
21	N21	-103.	2.	4.8	0	
22	N22	-97.	2.	4.8	0	
23	N23	-103.	2.	2.3	0	
24	N24	-97.	2.	2.3	0	
25	N25	-100.	36	0	0	
26	N26	-100.	36	-2.25	0	
27	N27	-100.	37.5	-4.25	0	
28	N28	-100.	0	4.	0	
29	N29	-100.	0	-8.	0	
30	N30	-100.	149.	0	0	
31	N31	-100.	159	0	0	
32	N33	-97.5	159	0	0	
33	N34	-102.5	149.	0	0	
34	N34A	18	92.	-22.	0	
35	N36	-242.	92.	-22.	0	
36	N36A	110.	0	0	0	
37	N37	110.	218.	0	0	
38	N38	110.	23.	0	0	
39	N39	107.	23.	0.	0	
40	N40	113.	23.	-0.	0	
41	N41	110.	23.	6	0	
42	N42	107.	23.	6	0	
43	N43	113.	23.	6	0	
44	N44	110.	25.	6	0	
45	N45	110.	-47.	6	0	
46	N46	107.	23.	4.8	0	
47	N47	113.	23.	4.8	0	
48	N48	107.	23.	2.3	0	
49	N49	113.	23.	2.3	0	
50	N50	110.	2.	0	0	
51	N51	107.	2.	0.	0	
52	N52	113.	2.	-0.	0	
53	N53	110.	2.	6	0	
54	N54	107.	2.	6	0	
55	N55	113.	2.	6	0	
56	N56	107.	2.	4.8	0	
57	N57	113.	2.	4.8	0	
58	N58	107.	2.	2.3	0	
59	N59	113.	2.	2.3	0	
60	N60	110.	36	0	0	
61	N61	110.	36	-2.25	0	
62	N62	110.	37.5	-4.25	0	
63	N63	110.	0	4.	0	
64	N64	110.	0	-8.	0	
65	N65	110.	149.	0	0	
66	N66	110.	159	0	0	
67	N67	112.5	159	0	0	
68	N68	107.5	149.	0	0	
69	N69	204.	92.	-22.	0	
70	N70	74.	92.	-22.	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_4.0	Column	Pipe	A53 Gr. B	Typical	2.96	6.82	6.82	13.6
2	Equipment Pipe	PIPE_2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
3	Threaded Rod	SR_0.625	Beam	BAR	A36 Gr.36	Typical	.307	.007	.007	.015
4	Bottom Plate	PL1/2x10	Beam	RECT	A36 Gr.36	Typical	5	.104	41.667	.404
5	Top Plate	PL9/16x12	Beam	RECT	A36 Gr.36	Typical	2.25	.059	3	.216
6	Pipe Brace	L4X4X4	Beam	Single Angle	A36 Gr.36	Typical	1.93	3	3	.044

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	MP1A	N10	N6			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
2	M4	N5	N3			RIGID	None	None	RIGID	Typical
3	M5	N4	N3			RIGID	None	None	RIGID	Typical
4	M6	N7	N6A			RIGID	None	None	RIGID	Typical
5	M7	N8	N6A			RIGID	None	None	RIGID	Typical
6	RRH1	N9	N10A			Equipment Pipe	Column	Pipe	A53 Gr. B	Typical
7	M7A	N13	N11			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
8	M8A	N14	N12			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
9	M9	N4	N13			RIGID	None	None	RIGID	Typical
10	M10	N7	N11			RIGID	None	None	RIGID	Typical
11	M11	N5	N14			RIGID	None	None	RIGID	Typical
12	M12	N8	N12			RIGID	None	None	RIGID	Typical
13	M13	N17	N15			RIGID	None	None	RIGID	Typical
14	M14	N16	N15			RIGID	None	None	RIGID	Typical
15	M15	N19	N18			RIGID	None	None	RIGID	Typical
16	M16	N20	N18			RIGID	None	None	RIGID	Typical
17	M17	N23	N21			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
18	M18	N24	N22			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
19	M19	N16	N23			RIGID	None	None	RIGID	Typical
20	M20	N19	N21			RIGID	None	None	RIGID	Typical
21	M21	N17	N24			RIGID	None	None	RIGID	Typical
22	M22	N20	N22			RIGID	None	None	RIGID	Typical
23	M23	N26	N27		90	Top Plate	Beam	RECT	A36 Gr.36	Typical
24	M24	N25	N26			RIGID	None	None	RIGID	Typical
25	M25	N28	N29		90	Bottom Plate	Beam	RECT	A36 Gr.36	Typical
26	M27	N34	N30			RIGID	None	None	RIGID	Typical
27	M28	N33	N31			RIGID	None	None	RIGID	Typical
28	M28A	N33	N34A		90	Pipe Brace	Beam	Single Angle	A36 Gr.36	Typical
29	M29	N34	N36		180	Pipe Brace	Beam	Single Angle	A36 Gr.36	Typical
30	MP2A	N37	N36A			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
31	M31	N40	N38			RIGID	None	None	RIGID	Typical
32	M32	N39	N38			RIGID	None	None	RIGID	Typical
33	M33	N42	N41			RIGID	None	None	RIGID	Typical
34	M34	N43	N41			RIGID	None	None	RIGID	Typical
35	RRH2	N44	N45			Equipment Pipe	Column	Pipe	A53 Gr. B	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
36	M36	N48	N46			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
37	M37	N49	N47			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
38	M38	N39	N48			RIGID	None	None	RIGID	Typical
39	M39	N42	N46			RIGID	None	None	RIGID	Typical
40	M40	N40	N49			RIGID	None	None	RIGID	Typical
41	M41	N43	N47			RIGID	None	None	RIGID	Typical
42	M42	N52	N50			RIGID	None	None	RIGID	Typical
43	M43	N51	N50			RIGID	None	None	RIGID	Typical
44	M44	N54	N53			RIGID	None	None	RIGID	Typical
45	M45	N55	N53			RIGID	None	None	RIGID	Typical
46	M46	N58	N56			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
47	M47	N59	N57			Threaded Rod	Beam	BAR	A36 Gr.36	Typical
48	M48	N51	N58			RIGID	None	None	RIGID	Typical
49	M49	N54	N56			RIGID	None	None	RIGID	Typical
50	M50	N52	N59			RIGID	None	None	RIGID	Typical
51	M51	N55	N57			RIGID	None	None	RIGID	Typical
52	M52	N61	N62		90	Top Plate	Beam	RECT	A36 Gr.36	Typical
53	M53	N60	N61			RIGID	None	None	RIGID	Typical
54	M54	N63	N64		90	Bottom Plate	Beam	RECT	A36 Gr.36	Typical
55	M55	N68	N65			RIGID	None	None	RIGID	Typical
56	M56	N67	N66			RIGID	None	None	RIGID	Typical
57	M57	N67	N69		90	Pipe Brace	Beam	Single Angle	A36 Gr.36	Typical
58	M58	N68	N70		180	Pipe Brace	Beam	Single 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	MP1A						Yes	** NA **			None
2	M4						Yes	** NA **			None
3	M5						Yes	** NA **			None
4	M6		OOOXOO				Yes	** NA **			None
5	M7		OOOXOO				Yes	** NA **			None
6	RRH1						Yes	** NA **			None
7	M7A						Yes				None
8	M8A						Yes				None
9	M9						Yes	** NA **			None
10	M10						Yes	** NA **			None
11	M11						Yes	** NA **			None
12	M12						Yes	** NA **			None
13	M13						Yes	** NA **			None
14	M14						Yes	** NA **			None
15	M15		OOOXOO				Yes	** NA **			None
16	M16		OOOXOO				Yes	** NA **			None
17	M17						Yes				None
18	M18						Yes				None
19	M19						Yes	** NA **			None
20	M20						Yes	** NA **			None
21	M21						Yes	** NA **			None
22	M22						Yes	** NA **			None
23	M23						Yes				None
24	M24						Yes	** NA **			None
25	M25						Yes				None
26	M27						Yes	** NA **			None
27	M28						Yes	** NA **			None
28	M28A	BenPIN	BenPIN				Yes				None
29	M29	BenPIN	BenPIN				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...
30	MP2A						Yes	** NA **			None
31	M31						Yes	** NA **			None
32	M32						Yes	** NA **			None
33	M33		OOOXOO				Yes	** NA **			None
34	M34		OOOXOO				Yes	** NA **			None
35	RRH2						Yes	** NA **			None
36	M36						Yes				None
37	M37						Yes				None
38	M38						Yes	** NA **			None
39	M39						Yes	** NA **			None
40	M40						Yes	** NA **			None
41	M41						Yes	** NA **			None
42	M42						Yes	** NA **			None
43	M43						Yes	** NA **			None
44	M44		OOOXOO				Yes	** NA **			None
45	M45		OOOXOO				Yes	** NA **			None
46	M46						Yes				None
47	M47						Yes				None
48	M48						Yes	** NA **			None
49	M49						Yes	** NA **			None
50	M50						Yes	** NA **			None
51	M51						Yes	** NA **			None
52	M52						Yes				None
53	M53						Yes	** NA **			None
54	M54						Yes				None
55	M55						Yes	** NA **			None
56	M56						Yes	** NA **			None
57	M57	BenPIN	BenPIN				Yes				None
58	M58	BenPIN	BenPIN				Yes				None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	Y	-43.55	42.6
2	MP1A	My	-.022	42.6
3	MP1A	Mz	0	42.6
4	MP1A	Y	-43.55	66.6
5	MP1A	My	-.022	66.6
6	MP1A	Mz	0	66.6
7	MP1A	Y	-9.6	111
8	MP1A	My	-.005	111
9	MP1A	Mz	0	111
10	MP1A	Y	-9.6	171
11	MP1A	My	-.005	171
12	MP1A	Mz	0	171
13	MP2A	Y	-31.65	21
14	MP2A	My	-.016	21
15	MP2A	Mz	.018	21
16	MP2A	Y	-31.65	69
17	MP2A	My	-.016	69
18	MP2A	Mz	.018	69
19	MP2A	Y	-31.65	21
20	MP2A	My	-.016	21
21	MP2A	Mz	-.018	21
22	MP2A	Y	-31.65	69
23	MP2A	My	-.016	69

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
24	MP2A	Mz	-.018	69
25	MP1A	Y	-2.2	3
26	MP1A	My	-.001	3
27	MP1A	Mz	0	3
28	MP1A	Y	-2.2	27
29	MP1A	My	-.001	27
30	MP1A	Mz	0	27
31	MP2A	Y	-10.4	150
32	MP2A	My	.003	150
33	MP2A	Mz	0	150
34	MP2A	Y	-84.4	96
35	MP2A	My	-.028	96
36	MP2A	Mz	0	96
37	MP2A	Y	-70.3	120
38	MP2A	My	-.023	120
39	MP2A	Mz	0	120
40	RRH1	Y	-32	60
41	RRH1	My	.016	60
42	RRH1	Mz	0	60
43	RRH2	Y	-32	60
44	RRH2	My	.016	60
45	RRH2	Mz	0	60

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	Y	-40.721	42.6
2	MP1A	My	-.02	42.6
3	MP1A	Mz	0	42.6
4	MP1A	Y	-40.721	66.6
5	MP1A	My	-.02	66.6
6	MP1A	Mz	0	66.6
7	MP1A	Y	-57.273	111
8	MP1A	My	-.029	111
9	MP1A	Mz	0	111
10	MP1A	Y	-57.273	171
11	MP1A	My	-.029	171
12	MP1A	Mz	0	171
13	MP2A	Y	-79.857	21
14	MP2A	My	-.04	21
15	MP2A	Mz	.047	21
16	MP2A	Y	-79.857	69
17	MP2A	My	-.04	69
18	MP2A	Mz	.047	69
19	MP2A	Y	-79.857	21
20	MP2A	My	-.04	21
21	MP2A	Mz	-.047	21
22	MP2A	Y	-79.857	69
23	MP2A	My	-.04	69
24	MP2A	Mz	-.047	69
25	MP1A	Y	-11.854	3
26	MP1A	My	-.006	3
27	MP1A	Mz	0	3
28	MP1A	Y	-11.854	27
29	MP1A	My	-.006	27
30	MP1A	Mz	0	27
31	MP2A	Y	-12.417	150

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
32	MP2A	My	.003	150
33	MP2A	Mz	0	150
34	MP2A	Y	-51.497	96
35	MP2A	My	-.017	96
36	MP2A	Mz	0	96
37	MP2A	Y	-46.36	120
38	MP2A	My	-.015	120
39	MP2A	Mz	0	120
40	RRH1	Y	-86.113	60
41	RRH1	My	.043	60
42	RRH1	Mz	0	60
43	RRH2	Y	-86.113	60
44	RRH2	My	.043	60
45	RRH2	Mz	0	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	0	42.6
2	MP1A	Z	-72.979	42.6
3	MP1A	Mx	0	42.6
4	MP1A	X	0	66.6
5	MP1A	Z	-72.979	66.6
6	MP1A	Mx	0	66.6
7	MP1A	X	0	111
8	MP1A	Z	-110.688	111
9	MP1A	Mx	0	111
10	MP1A	X	0	171
11	MP1A	Z	-110.688	171
12	MP1A	Mx	0	171
13	MP2A	X	0	21
14	MP2A	Z	-141.812	21
15	MP2A	Mx	-.083	21
16	MP2A	X	0	69
17	MP2A	Z	-141.812	69
18	MP2A	Mx	-.083	69
19	MP2A	X	0	21
20	MP2A	Z	-141.812	21
21	MP2A	Mx	.083	21
22	MP2A	X	0	69
23	MP2A	Z	-141.812	69
24	MP2A	Mx	.083	69
25	MP1A	X	0	3
26	MP1A	Z	-13.94	3
27	MP1A	Mx	0	3
28	MP1A	X	0	27
29	MP1A	Z	-13.94	27
30	MP1A	Mx	0	27
31	MP2A	X	0	150
32	MP2A	Z	-11.282	150
33	MP2A	Mx	0	150
34	MP2A	X	0	96
35	MP2A	Z	-58.219	96
36	MP2A	Mx	0	96
37	MP2A	X	0	120
38	MP2A	Z	-58.219	120
39	MP2A	Mx	0	120

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
40	RRH1	X	0	60
41	RRH1	Z	-115.567	60
42	RRH1	Mx	0	60
43	RRH2	X	0	60
44	RRH2	Z	-115.567	60
45	RRH2	Mx	0	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	30.939	42.6
2	MP1A	Z	-53.587	42.6
3	MP1A	Mx	-.015	42.6
4	MP1A	X	30.939	66.6
5	MP1A	Z	-53.587	66.6
6	MP1A	Mx	-.015	66.6
7	MP1A	X	49.198	111
8	MP1A	Z	-85.214	111
9	MP1A	Mx	-.025	111
10	MP1A	X	49.198	171
11	MP1A	Z	-85.214	171
12	MP1A	Mx	-.025	171
13	MP2A	X	64.822	21
14	MP2A	Z	-112.275	21
15	MP2A	Mx	-.098	21
16	MP2A	X	64.822	69
17	MP2A	Z	-112.275	69
18	MP2A	Mx	-.098	69
19	MP2A	X	64.822	21
20	MP2A	Z	-112.275	21
21	MP2A	Mx	.033	21
22	MP2A	X	64.822	69
23	MP2A	Z	-112.275	69
24	MP2A	Mx	.033	69
25	MP1A	X	6.331	3
26	MP1A	Z	-10.966	3
27	MP1A	Mx	-.003	3
28	MP1A	X	6.331	27
29	MP1A	Z	-10.966	27
30	MP1A	Mx	-.003	27
31	MP2A	X	5.207	150
32	MP2A	Z	-9.018	150
33	MP2A	Mx	.001	150
34	MP2A	X	26.697	96
35	MP2A	Z	-46.24	96
36	MP2A	Mx	-.009	96
37	MP2A	X	25.772	120
38	MP2A	Z	-44.639	120
39	MP2A	Mx	-.009	120
40	RRH1	X	52.9	60
41	RRH1	Z	-91.625	60
42	RRH1	Mx	.026	60
43	RRH2	X	52.9	60
44	RRH2	Z	-91.625	60
45	RRH2	Mx	.026	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	34.358	42.6
2	MP1A	Z	-19.837	42.6
3	MP1A	Mx	-.017	42.6
4	MP1A	X	34.358	66.6
5	MP1A	Z	-19.837	66.6
6	MP1A	Mx	-.017	66.6
7	MP1A	X	63.923	111
8	MP1A	Z	-36.906	111
9	MP1A	Mx	-.032	111
10	MP1A	X	63.923	171
11	MP1A	Z	-36.906	171
12	MP1A	Mx	-.032	171
13	MP2A	X	91.199	21
14	MP2A	Z	-52.654	21
15	MP2A	Mx	-.076	21
16	MP2A	X	91.199	69
17	MP2A	Z	-52.654	69
18	MP2A	Mx	-.076	69
19	MP2A	X	91.199	21
20	MP2A	Z	-52.654	21
21	MP2A	Mx	-.015	21
22	MP2A	X	91.199	69
23	MP2A	Z	-52.654	69
24	MP2A	Mx	-.015	69
25	MP1A	X	8.754	3
26	MP1A	Z	-5.054	3
27	MP1A	Mx	-.004	3
28	MP1A	X	8.754	27
29	MP1A	Z	-5.054	27
30	MP1A	Mx	-.004	27
31	MP2A	X	7.513	150
32	MP2A	Z	-4.338	150
33	MP2A	Mx	.002	150
34	MP2A	X	37.882	96
35	MP2A	Z	-21.871	96
36	MP2A	Mx	-.013	96
37	MP2A	X	33.079	120
38	MP2A	Z	-19.098	120
39	MP2A	Mx	-.011	120
40	RRH1	X	74.707	60
41	RRH1	Z	-43.132	60
42	RRH1	Mx	.037	60
43	RRH2	X	74.707	60
44	RRH2	Z	-43.132	60
45	RRH2	Mx	.037	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	28.571	42.6
2	MP1A	Z	0	42.6
3	MP1A	Mx	-.014	42.6
4	MP1A	X	28.571	66.6
5	MP1A	Z	0	66.6
6	MP1A	Mx	-.014	66.6
7	MP1A	X	61.519	111
8	MP1A	Z	0	111

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
9	MP1A	Mx	-.031	111
10	MP1A	X	61.519	171
11	MP1A	Z	0	171
12	MP1A	Mx	-.031	171
13	MP2A	X	93.14	21
14	MP2A	Z	0	21
15	MP2A	Mx	-.047	21
16	MP2A	X	93.14	69
17	MP2A	Z	0	69
18	MP2A	Mx	-.047	69
19	MP2A	X	93.14	21
20	MP2A	Z	0	21
21	MP2A	Mx	-.047	21
22	MP2A	X	93.14	69
23	MP2A	Z	0	69
24	MP2A	Mx	-.047	69
25	MP1A	X	8.83	3
26	MP1A	Z	0	3
27	MP1A	Mx	-.004	3
28	MP1A	X	8.83	27
29	MP1A	Z	0	27
30	MP1A	Mx	-.004	27
31	MP2A	X	7.806	150
32	MP2A	Z	0	150
33	MP2A	Mx	.002	150
34	MP2A	X	38.916	96
35	MP2A	Z	0	96
36	MP2A	Mx	-.013	96
37	MP2A	X	31.522	120
38	MP2A	Z	0	120
39	MP2A	Mx	-.011	120
40	RRH1	X	76.496	60
41	RRH1	Z	0	60
42	RRH1	Mx	.038	60
43	RRH2	X	76.496	60
44	RRH2	Z	0	60
45	RRH2	Mx	.038	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	34.358	42.6
2	MP1A	Z	19.837	42.6
3	MP1A	Mx	-.017	42.6
4	MP1A	X	34.358	66.6
5	MP1A	Z	19.837	66.6
6	MP1A	Mx	-.017	66.6
7	MP1A	X	63.923	111
8	MP1A	Z	36.906	111
9	MP1A	Mx	-.032	111
10	MP1A	X	63.923	171
11	MP1A	Z	36.906	171
12	MP1A	Mx	-.032	171
13	MP2A	X	91.199	21
14	MP2A	Z	52.654	21
15	MP2A	Mx	-.015	21
16	MP2A	X	91.199	69

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
17	MP2A	Z	52.654	69
18	MP2A	Mx	-.015	69
19	MP2A	X	91.199	21
20	MP2A	Z	52.654	21
21	MP2A	Mx	-.076	21
22	MP2A	X	91.199	69
23	MP2A	Z	52.654	69
24	MP2A	Mx	-.076	69
25	MP1A	X	8.754	3
26	MP1A	Z	5.054	3
27	MP1A	Mx	-.004	3
28	MP1A	X	8.754	27
29	MP1A	Z	5.054	27
30	MP1A	Mx	-.004	27
31	MP2A	X	7.513	150
32	MP2A	Z	4.338	150
33	MP2A	Mx	.002	150
34	MP2A	X	37.882	96
35	MP2A	Z	21.871	96
36	MP2A	Mx	-.013	96
37	MP2A	X	33.079	120
38	MP2A	Z	19.098	120
39	MP2A	Mx	-.011	120
40	RRH1	X	74.707	60
41	RRH1	Z	43.132	60
42	RRH1	Mx	.037	60
43	RRH2	X	74.707	60
44	RRH2	Z	43.132	60
45	RRH2	Mx	.037	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	30.939	42.6
2	MP1A	Z	53.587	42.6
3	MP1A	Mx	-.015	42.6
4	MP1A	X	30.939	66.6
5	MP1A	Z	53.587	66.6
6	MP1A	Mx	-.015	66.6
7	MP1A	X	49.198	111
8	MP1A	Z	85.214	111
9	MP1A	Mx	-.025	111
10	MP1A	X	49.198	171
11	MP1A	Z	85.214	171
12	MP1A	Mx	-.025	171
13	MP2A	X	64.822	21
14	MP2A	Z	112.275	21
15	MP2A	Mx	.033	21
16	MP2A	X	64.822	69
17	MP2A	Z	112.275	69
18	MP2A	Mx	.033	69
19	MP2A	X	64.822	21
20	MP2A	Z	112.275	21
21	MP2A	Mx	-.098	21
22	MP2A	X	64.822	69
23	MP2A	Z	112.275	69
24	MP2A	Mx	-.098	69

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
25	MP1A	X	6.331	3
26	MP1A	Z	10.966	3
27	MP1A	Mx	-.003	3
28	MP1A	X	6.331	27
29	MP1A	Z	10.966	27
30	MP1A	Mx	-.003	27
31	MP2A	X	5.207	150
32	MP2A	Z	9.018	150
33	MP2A	Mx	.001	150
34	MP2A	X	26.697	96
35	MP2A	Z	46.24	96
36	MP2A	Mx	-.009	96
37	MP2A	X	25.772	120
38	MP2A	Z	44.639	120
39	MP2A	Mx	-.009	120
40	RRH1	X	52.9	60
41	RRH1	Z	91.625	60
42	RRH1	Mx	.026	60
43	RRH2	X	52.9	60
44	RRH2	Z	91.625	60
45	RRH2	Mx	.026	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	0	42.6
2	MP1A	Z	72.979	42.6
3	MP1A	Mx	0	42.6
4	MP1A	X	0	66.6
5	MP1A	Z	72.979	66.6
6	MP1A	Mx	0	66.6
7	MP1A	X	0	111
8	MP1A	Z	110.688	111
9	MP1A	Mx	0	111
10	MP1A	X	0	171
11	MP1A	Z	110.688	171
12	MP1A	Mx	0	171
13	MP2A	X	0	21
14	MP2A	Z	141.812	21
15	MP2A	Mx	.083	21
16	MP2A	X	0	69
17	MP2A	Z	141.812	69
18	MP2A	Mx	.083	69
19	MP2A	X	0	21
20	MP2A	Z	141.812	21
21	MP2A	Mx	-.083	21
22	MP2A	X	0	69
23	MP2A	Z	141.812	69
24	MP2A	Mx	-.083	69
25	MP1A	X	0	3
26	MP1A	Z	13.94	3
27	MP1A	Mx	0	3
28	MP1A	X	0	27
29	MP1A	Z	13.94	27
30	MP1A	Mx	0	27
31	MP2A	X	0	150
32	MP2A	Z	11.282	150

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
33	MP2A	Mx	0	150
34	MP2A	X	0	96
35	MP2A	Z	58.219	96
36	MP2A	Mx	0	96
37	MP2A	X	0	120
38	MP2A	Z	58.219	120
39	MP2A	Mx	0	120
40	RRH1	X	0	60
41	RRH1	Z	115.567	60
42	RRH1	Mx	0	60
43	RRH2	X	0	60
44	RRH2	Z	115.567	60
45	RRH2	Mx	0	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-30.939	42.6
2	MP1A	Z	53.587	42.6
3	MP1A	Mx	.015	42.6
4	MP1A	X	-30.939	66.6
5	MP1A	Z	53.587	66.6
6	MP1A	Mx	.015	66.6
7	MP1A	X	-49.198	111
8	MP1A	Z	85.214	111
9	MP1A	Mx	.025	111
10	MP1A	X	-49.198	171
11	MP1A	Z	85.214	171
12	MP1A	Mx	.025	171
13	MP2A	X	-64.822	21
14	MP2A	Z	112.275	21
15	MP2A	Mx	.098	21
16	MP2A	X	-64.822	69
17	MP2A	Z	112.275	69
18	MP2A	Mx	.098	69
19	MP2A	X	-64.822	21
20	MP2A	Z	112.275	21
21	MP2A	Mx	-.033	21
22	MP2A	X	-64.822	69
23	MP2A	Z	112.275	69
24	MP2A	Mx	-.033	69
25	MP1A	X	-6.331	3
26	MP1A	Z	10.966	3
27	MP1A	Mx	.003	3
28	MP1A	X	-6.331	27
29	MP1A	Z	10.966	27
30	MP1A	Mx	.003	27
31	MP2A	X	-5.207	150
32	MP2A	Z	9.018	150
33	MP2A	Mx	-.001	150
34	MP2A	X	-26.697	96
35	MP2A	Z	46.24	96
36	MP2A	Mx	.009	96
37	MP2A	X	-25.772	120
38	MP2A	Z	44.639	120
39	MP2A	Mx	.009	120
40	RRH1	X	-52.9	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
41	RRH1	Z	91.625	60
42	RRH1	Mx	-.026	60
43	RRH2	X	-52.9	60
44	RRH2	Z	91.625	60
45	RRH2	Mx	-.026	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-34.358	42.6
2	MP1A	Z	19.837	42.6
3	MP1A	Mx	.017	42.6
4	MP1A	X	-34.358	66.6
5	MP1A	Z	19.837	66.6
6	MP1A	Mx	.017	66.6
7	MP1A	X	-63.923	111
8	MP1A	Z	36.906	111
9	MP1A	Mx	.032	111
10	MP1A	X	-63.923	171
11	MP1A	Z	36.906	171
12	MP1A	Mx	.032	171
13	MP2A	X	-91.199	21
14	MP2A	Z	52.654	21
15	MP2A	Mx	.076	21
16	MP2A	X	-91.199	69
17	MP2A	Z	52.654	69
18	MP2A	Mx	.076	69
19	MP2A	X	-91.199	21
20	MP2A	Z	52.654	21
21	MP2A	Mx	.015	21
22	MP2A	X	-91.199	69
23	MP2A	Z	52.654	69
24	MP2A	Mx	.015	69
25	MP1A	X	-8.754	3
26	MP1A	Z	5.054	3
27	MP1A	Mx	.004	3
28	MP1A	X	-8.754	27
29	MP1A	Z	5.054	27
30	MP1A	Mx	.004	27
31	MP2A	X	-7.513	150
32	MP2A	Z	4.338	150
33	MP2A	Mx	-.002	150
34	MP2A	X	-37.882	96
35	MP2A	Z	21.871	96
36	MP2A	Mx	.013	96
37	MP2A	X	-33.079	120
38	MP2A	Z	19.098	120
39	MP2A	Mx	.011	120
40	RRH1	X	-74.707	60
41	RRH1	Z	43.132	60
42	RRH1	Mx	-.037	60
43	RRH2	X	-74.707	60
44	RRH2	Z	43.132	60
45	RRH2	Mx	-.037	60

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-28.571	42.6
2	MP1A	Z	0	42.6
3	MP1A	Mx	.014	42.6
4	MP1A	X	-28.571	66.6
5	MP1A	Z	0	66.6
6	MP1A	Mx	.014	66.6
7	MP1A	X	-61.519	111
8	MP1A	Z	0	111
9	MP1A	Mx	.031	111
10	MP1A	X	-61.519	171
11	MP1A	Z	0	171
12	MP1A	Mx	.031	171
13	MP2A	X	-93.14	21
14	MP2A	Z	0	21
15	MP2A	Mx	.047	21
16	MP2A	X	-93.14	69
17	MP2A	Z	0	69
18	MP2A	Mx	.047	69
19	MP2A	X	-93.14	21
20	MP2A	Z	0	21
21	MP2A	Mx	.047	21
22	MP2A	X	-93.14	69
23	MP2A	Z	0	69
24	MP2A	Mx	.047	69
25	MP1A	X	-8.83	3
26	MP1A	Z	0	3
27	MP1A	Mx	.004	3
28	MP1A	X	-8.83	27
29	MP1A	Z	0	27
30	MP1A	Mx	.004	27
31	MP2A	X	-7.806	150
32	MP2A	Z	0	150
33	MP2A	Mx	-.002	150
34	MP2A	X	-38.916	96
35	MP2A	Z	0	96
36	MP2A	Mx	.013	96
37	MP2A	X	-31.522	120
38	MP2A	Z	0	120
39	MP2A	Mx	.011	120
40	RRH1	X	-76.496	60
41	RRH1	Z	0	60
42	RRH1	Mx	-.038	60
43	RRH2	X	-76.496	60
44	RRH2	Z	0	60
45	RRH2	Mx	-.038	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-34.358	42.6
2	MP1A	Z	-19.837	42.6
3	MP1A	Mx	.017	42.6
4	MP1A	X	-34.358	66.6
5	MP1A	Z	-19.837	66.6
6	MP1A	Mx	.017	66.6
7	MP1A	X	-63.923	111
8	MP1A	Z	-36.906	111

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
9	MP1A	Mx	.032	111
10	MP1A	X	-63.923	171
11	MP1A	Z	-36.906	171
12	MP1A	Mx	.032	171
13	MP2A	X	-91.199	21
14	MP2A	Z	-52.654	21
15	MP2A	Mx	.015	21
16	MP2A	X	-91.199	69
17	MP2A	Z	-52.654	69
18	MP2A	Mx	.015	69
19	MP2A	X	-91.199	21
20	MP2A	Z	-52.654	21
21	MP2A	Mx	.076	21
22	MP2A	X	-91.199	69
23	MP2A	Z	-52.654	69
24	MP2A	Mx	.076	69
25	MP1A	X	-8.754	3
26	MP1A	Z	-5.054	3
27	MP1A	Mx	.004	3
28	MP1A	X	-8.754	27
29	MP1A	Z	-5.054	27
30	MP1A	Mx	.004	27
31	MP2A	X	-7.513	150
32	MP2A	Z	-4.338	150
33	MP2A	Mx	-.002	150
34	MP2A	X	-37.882	96
35	MP2A	Z	-21.871	96
36	MP2A	Mx	.013	96
37	MP2A	X	-33.079	120
38	MP2A	Z	-19.098	120
39	MP2A	Mx	.011	120
40	RRH1	X	-74.707	60
41	RRH1	Z	-43.132	60
42	RRH1	Mx	-.037	60
43	RRH2	X	-74.707	60
44	RRH2	Z	-43.132	60
45	RRH2	Mx	-.037	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-30.939	42.6
2	MP1A	Z	-53.587	42.6
3	MP1A	Mx	.015	42.6
4	MP1A	X	-30.939	66.6
5	MP1A	Z	-53.587	66.6
6	MP1A	Mx	.015	66.6
7	MP1A	X	-49.198	111
8	MP1A	Z	-85.214	111
9	MP1A	Mx	.025	111
10	MP1A	X	-49.198	171
11	MP1A	Z	-85.214	171
12	MP1A	Mx	.025	171
13	MP2A	X	-64.822	21
14	MP2A	Z	-112.275	21
15	MP2A	Mx	-.033	21
16	MP2A	X	-64.822	69

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
17	MP2A	Z	-112.275	69
18	MP2A	Mx	-.033	69
19	MP2A	X	-64.822	21
20	MP2A	Z	-112.275	21
21	MP2A	Mx	.098	21
22	MP2A	X	-64.822	69
23	MP2A	Z	-112.275	69
24	MP2A	Mx	.098	69
25	MP1A	X	-6.331	3
26	MP1A	Z	-10.966	3
27	MP1A	Mx	.003	3
28	MP1A	X	-6.331	27
29	MP1A	Z	-10.966	27
30	MP1A	Mx	.003	27
31	MP2A	X	-5.207	150
32	MP2A	Z	-9.018	150
33	MP2A	Mx	-.001	150
34	MP2A	X	-26.697	96
35	MP2A	Z	-46.24	96
36	MP2A	Mx	.009	96
37	MP2A	X	-25.772	120
38	MP2A	Z	-44.639	120
39	MP2A	Mx	.009	120
40	RRH1	X	-52.9	60
41	RRH1	Z	-91.625	60
42	RRH1	Mx	-.026	60
43	RRH2	X	-52.9	60
44	RRH2	Z	-91.625	60
45	RRH2	Mx	-.026	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	0	42.6
2	MP1A	Z	-15.026	42.6
3	MP1A	Mx	0	42.6
4	MP1A	X	0	66.6
5	MP1A	Z	-15.026	66.6
6	MP1A	Mx	0	66.6
7	MP1A	X	0	111
8	MP1A	Z	-22.329	111
9	MP1A	Mx	0	111
10	MP1A	X	0	171
11	MP1A	Z	-22.329	171
12	MP1A	Mx	0	171
13	MP2A	X	0	21
14	MP2A	Z	-28.228	21
15	MP2A	Mx	-.016	21
16	MP2A	X	0	69
17	MP2A	Z	-28.228	69
18	MP2A	Mx	-.016	69
19	MP2A	X	0	21
20	MP2A	Z	-28.228	21
21	MP2A	Mx	.016	21
22	MP2A	X	0	69
23	MP2A	Z	-28.228	69
24	MP2A	Mx	.016	69

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
25	MP1A	X	0	3
26	MP1A	Z	-3.35	3
27	MP1A	Mx	0	3
28	MP1A	X	0	27
29	MP1A	Z	-3.35	27
30	MP1A	Mx	0	27
31	MP2A	X	0	150
32	MP2A	Z	-3.107	150
33	MP2A	Mx	0	150
34	MP2A	X	0	96
35	MP2A	Z	-12.788	96
36	MP2A	Mx	0	96
37	MP2A	X	0	120
38	MP2A	Z	-12.788	120
39	MP2A	Mx	0	120
40	RRH1	X	0	60
41	RRH1	Z	-23.947	60
42	RRH1	Mx	0	60
43	RRH2	X	0	60
44	RRH2	Z	-23.947	60
45	RRH2	Mx	0	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	6.443	42.6
2	MP1A	Z	-11.16	42.6
3	MP1A	Mx	-.003	42.6
4	MP1A	X	6.443	66.6
5	MP1A	Z	-11.16	66.6
6	MP1A	Mx	-.003	66.6
7	MP1A	X	10.038	111
8	MP1A	Z	-17.387	111
9	MP1A	Mx	-.005	111
10	MP1A	X	10.038	171
11	MP1A	Z	-17.387	171
12	MP1A	Mx	-.005	171
13	MP2A	X	13.002	21
14	MP2A	Z	-22.52	21
15	MP2A	Mx	-.02	21
16	MP2A	X	13.002	69
17	MP2A	Z	-22.52	69
18	MP2A	Mx	-.02	69
19	MP2A	X	13.002	21
20	MP2A	Z	-22.52	21
21	MP2A	Mx	.007	21
22	MP2A	X	13.002	69
23	MP2A	Z	-22.52	69
24	MP2A	Mx	.007	69
25	MP1A	X	1.545	3
26	MP1A	Z	-2.677	3
27	MP1A	Mx	-.000772	3
28	MP1A	X	1.545	27
29	MP1A	Z	-2.677	27
30	MP1A	Mx	-.000772	27
31	MP2A	X	1.459	150
32	MP2A	Z	-2.527	150

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
33	MP2A	Mx	.000365	150
34	MP2A	X	5.913	96
35	MP2A	Z	-10.241	96
36	MP2A	Mx	-.002	96
37	MP2A	X	5.73	120
38	MP2A	Z	-9.925	120
39	MP2A	Mx	-.002	120
40	RRH1	X	11.037	60
41	RRH1	Z	-19.116	60
42	RRH1	Mx	.006	60
43	RRH2	X	11.037	60
44	RRH2	Z	-19.116	60
45	RRH2	Mx	.006	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	7.455	42.6
2	MP1A	Z	-4.304	42.6
3	MP1A	Mx	-.004	42.6
4	MP1A	X	7.455	66.6
5	MP1A	Z	-4.304	66.6
6	MP1A	Mx	-.004	66.6
7	MP1A	X	13.486	111
8	MP1A	Z	-7.786	111
9	MP1A	Mx	-.007	111
10	MP1A	X	13.486	171
11	MP1A	Z	-7.786	171
12	MP1A	Mx	-.007	171
13	MP2A	X	18.669	21
14	MP2A	Z	-10.778	21
15	MP2A	Mx	-.016	21
16	MP2A	X	18.669	69
17	MP2A	Z	-10.778	69
18	MP2A	Mx	-.016	69
19	MP2A	X	18.669	21
20	MP2A	Z	-10.778	21
21	MP2A	Mx	-.003	21
22	MP2A	X	18.669	69
23	MP2A	Z	-10.778	69
24	MP2A	Mx	-.003	69
25	MP1A	X	2.228	3
26	MP1A	Z	-1.286	3
27	MP1A	Mx	-.001	3
28	MP1A	X	2.228	27
29	MP1A	Z	-1.286	27
30	MP1A	Mx	-.001	27
31	MP2A	X	2.199	150
32	MP2A	Z	-1.27	150
33	MP2A	Mx	.00055	150
34	MP2A	X	8.575	96
35	MP2A	Z	-4.951	96
36	MP2A	Mx	-.003	96
37	MP2A	X	7.626	120
38	MP2A	Z	-4.403	120
39	MP2A	Mx	-.003	120
40	RRH1	X	15.872	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
41	RRH1	Z	-9.164	60
42	RRH1	Mx	.008	60
43	RRH2	X	15.872	60
44	RRH2	Z	-9.164	60
45	RRH2	Mx	.008	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	6.47	42.6
2	MP1A	Z	0	42.6
3	MP1A	Mx	-.003	42.6
4	MP1A	X	6.47	66.6
5	MP1A	Z	0	66.6
6	MP1A	Mx	-.003	66.6
7	MP1A	X	13.319	111
8	MP1A	Z	0	111
9	MP1A	Mx	-.007	111
10	MP1A	X	13.319	171
11	MP1A	Z	0	171
12	MP1A	Mx	-.007	171
13	MP2A	X	19.333	21
14	MP2A	Z	0	21
15	MP2A	Mx	-.01	21
16	MP2A	X	19.333	69
17	MP2A	Z	0	69
18	MP2A	Mx	-.01	69
19	MP2A	X	19.333	21
20	MP2A	Z	0	21
21	MP2A	Mx	-.01	21
22	MP2A	X	19.333	69
23	MP2A	Z	0	69
24	MP2A	Mx	-.01	69
25	MP1A	X	2.313	3
26	MP1A	Z	0	3
27	MP1A	Mx	-.001	3
28	MP1A	X	2.313	27
29	MP1A	Z	0	27
30	MP1A	Mx	-.001	27
31	MP2A	X	2.35	150
32	MP2A	Z	0	150
33	MP2A	Mx	.000588	150
34	MP2A	X	8.94	96
35	MP2A	Z	0	96
36	MP2A	Mx	-.003	96
37	MP2A	X	7.478	120
38	MP2A	Z	0	120
39	MP2A	Mx	-.002	120
40	RRH1	X	16.455	60
41	RRH1	Z	0	60
42	RRH1	Mx	.008	60
43	RRH2	X	16.455	60
44	RRH2	Z	0	60
45	RRH2	Mx	.008	60

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	7.455	42.6
2	MP1A	Z	4.304	42.6
3	MP1A	Mx	-.004	42.6
4	MP1A	X	7.455	66.6
5	MP1A	Z	4.304	66.6
6	MP1A	Mx	-.004	66.6
7	MP1A	X	13.486	111
8	MP1A	Z	7.786	111
9	MP1A	Mx	-.007	111
10	MP1A	X	13.486	171
11	MP1A	Z	7.786	171
12	MP1A	Mx	-.007	171
13	MP2A	X	18.669	21
14	MP2A	Z	10.778	21
15	MP2A	Mx	-.003	21
16	MP2A	X	18.669	69
17	MP2A	Z	10.778	69
18	MP2A	Mx	-.003	69
19	MP2A	X	18.669	21
20	MP2A	Z	10.778	21
21	MP2A	Mx	-.016	21
22	MP2A	X	18.669	69
23	MP2A	Z	10.778	69
24	MP2A	Mx	-.016	69
25	MP1A	X	2.228	3
26	MP1A	Z	1.286	3
27	MP1A	Mx	-.001	3
28	MP1A	X	2.228	27
29	MP1A	Z	1.286	27
30	MP1A	Mx	-.001	27
31	MP2A	X	2.199	150
32	MP2A	Z	1.27	150
33	MP2A	Mx	.00055	150
34	MP2A	X	8.575	96
35	MP2A	Z	4.951	96
36	MP2A	Mx	-.003	96
37	MP2A	X	7.626	120
38	MP2A	Z	4.403	120
39	MP2A	Mx	-.003	120
40	RRH1	X	15.872	60
41	RRH1	Z	9.164	60
42	RRH1	Mx	.008	60
43	RRH2	X	15.872	60
44	RRH2	Z	9.164	60
45	RRH2	Mx	.008	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	6.443	42.6
2	MP1A	Z	11.16	42.6
3	MP1A	Mx	-.003	42.6
4	MP1A	X	6.443	66.6
5	MP1A	Z	11.16	66.6
6	MP1A	Mx	-.003	66.6
7	MP1A	X	10.038	111
8	MP1A	Z	17.387	111

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
9	MP1A	Mx	-.005	111
10	MP1A	X	10.038	171
11	MP1A	Z	17.387	171
12	MP1A	Mx	-.005	171
13	MP2A	X	13.002	21
14	MP2A	Z	22.52	21
15	MP2A	Mx	.007	21
16	MP2A	X	13.002	69
17	MP2A	Z	22.52	69
18	MP2A	Mx	.007	69
19	MP2A	X	13.002	21
20	MP2A	Z	22.52	21
21	MP2A	Mx	-.02	21
22	MP2A	X	13.002	69
23	MP2A	Z	22.52	69
24	MP2A	Mx	-.02	69
25	MP1A	X	1.545	3
26	MP1A	Z	2.677	3
27	MP1A	Mx	-.000772	3
28	MP1A	X	1.545	27
29	MP1A	Z	2.677	27
30	MP1A	Mx	-.000772	27
31	MP2A	X	1.459	150
32	MP2A	Z	2.527	150
33	MP2A	Mx	.000365	150
34	MP2A	X	5.913	96
35	MP2A	Z	10.241	96
36	MP2A	Mx	-.002	96
37	MP2A	X	5.73	120
38	MP2A	Z	9.925	120
39	MP2A	Mx	-.002	120
40	RRH1	X	11.037	60
41	RRH1	Z	19.116	60
42	RRH1	Mx	.006	60
43	RRH2	X	11.037	60
44	RRH2	Z	19.116	60
45	RRH2	Mx	.006	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	0	42.6
2	MP1A	Z	15.026	42.6
3	MP1A	Mx	0	42.6
4	MP1A	X	0	66.6
5	MP1A	Z	15.026	66.6
6	MP1A	Mx	0	66.6
7	MP1A	X	0	111
8	MP1A	Z	22.329	111
9	MP1A	Mx	0	111
10	MP1A	X	0	171
11	MP1A	Z	22.329	171
12	MP1A	Mx	0	171
13	MP2A	X	0	21
14	MP2A	Z	28.228	21
15	MP2A	Mx	.016	21
16	MP2A	X	0	69

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
17	MP2A	Z	28.228	69
18	MP2A	Mx	.016	69
19	MP2A	X	0	21
20	MP2A	Z	28.228	21
21	MP2A	Mx	-.016	21
22	MP2A	X	0	69
23	MP2A	Z	28.228	69
24	MP2A	Mx	-.016	69
25	MP1A	X	0	3
26	MP1A	Z	3.35	3
27	MP1A	Mx	0	3
28	MP1A	X	0	27
29	MP1A	Z	3.35	27
30	MP1A	Mx	0	27
31	MP2A	X	0	150
32	MP2A	Z	3.107	150
33	MP2A	Mx	0	150
34	MP2A	X	0	96
35	MP2A	Z	12.788	96
36	MP2A	Mx	0	96
37	MP2A	X	0	120
38	MP2A	Z	12.788	120
39	MP2A	Mx	0	120
40	RRH1	X	0	60
41	RRH1	Z	23.947	60
42	RRH1	Mx	0	60
43	RRH2	X	0	60
44	RRH2	Z	23.947	60
45	RRH2	Mx	0	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-6.443	42.6
2	MP1A	Z	11.16	42.6
3	MP1A	Mx	.003	42.6
4	MP1A	X	-6.443	66.6
5	MP1A	Z	11.16	66.6
6	MP1A	Mx	.003	66.6
7	MP1A	X	-10.038	111
8	MP1A	Z	17.387	111
9	MP1A	Mx	.005	111
10	MP1A	X	-10.038	171
11	MP1A	Z	17.387	171
12	MP1A	Mx	.005	171
13	MP2A	X	-13.002	21
14	MP2A	Z	22.52	21
15	MP2A	Mx	.02	21
16	MP2A	X	-13.002	69
17	MP2A	Z	22.52	69
18	MP2A	Mx	.02	69
19	MP2A	X	-13.002	21
20	MP2A	Z	22.52	21
21	MP2A	Mx	-.007	21
22	MP2A	X	-13.002	69
23	MP2A	Z	22.52	69
24	MP2A	Mx	-.007	69

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
25	MP1A	X	-1.545	3
26	MP1A	Z	2.677	3
27	MP1A	Mx	.000772	3
28	MP1A	X	-1.545	27
29	MP1A	Z	2.677	27
30	MP1A	Mx	.000772	27
31	MP2A	X	-1.459	150
32	MP2A	Z	2.527	150
33	MP2A	Mx	-.000365	150
34	MP2A	X	-5.913	96
35	MP2A	Z	10.241	96
36	MP2A	Mx	.002	96
37	MP2A	X	-5.73	120
38	MP2A	Z	9.925	120
39	MP2A	Mx	.002	120
40	RRH1	X	-11.037	60
41	RRH1	Z	19.116	60
42	RRH1	Mx	-.006	60
43	RRH2	X	-11.037	60
44	RRH2	Z	19.116	60
45	RRH2	Mx	-.006	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-7.455	42.6
2	MP1A	Z	4.304	42.6
3	MP1A	Mx	.004	42.6
4	MP1A	X	-7.455	66.6
5	MP1A	Z	4.304	66.6
6	MP1A	Mx	.004	66.6
7	MP1A	X	-13.486	111
8	MP1A	Z	7.786	111
9	MP1A	Mx	.007	111
10	MP1A	X	-13.486	171
11	MP1A	Z	7.786	171
12	MP1A	Mx	.007	171
13	MP2A	X	-18.669	21
14	MP2A	Z	10.778	21
15	MP2A	Mx	.016	21
16	MP2A	X	-18.669	69
17	MP2A	Z	10.778	69
18	MP2A	Mx	.016	69
19	MP2A	X	-18.669	21
20	MP2A	Z	10.778	21
21	MP2A	Mx	.003	21
22	MP2A	X	-18.669	69
23	MP2A	Z	10.778	69
24	MP2A	Mx	.003	69
25	MP1A	X	-2.228	3
26	MP1A	Z	1.286	3
27	MP1A	Mx	.001	3
28	MP1A	X	-2.228	27
29	MP1A	Z	1.286	27
30	MP1A	Mx	.001	27
31	MP2A	X	-2.199	150
32	MP2A	Z	1.27	150

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
33	MP2A	Mx	-.00055	150
34	MP2A	X	-8.575	96
35	MP2A	Z	4.951	96
36	MP2A	Mx	.003	96
37	MP2A	X	-7.626	120
38	MP2A	Z	4.403	120
39	MP2A	Mx	.003	120
40	RRH1	X	-15.872	60
41	RRH1	Z	9.164	60
42	RRH1	Mx	-.008	60
43	RRH2	X	-15.872	60
44	RRH2	Z	9.164	60
45	RRH2	Mx	-.008	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-6.47	42.6
2	MP1A	Z	0	42.6
3	MP1A	Mx	.003	42.6
4	MP1A	X	-6.47	66.6
5	MP1A	Z	0	66.6
6	MP1A	Mx	.003	66.6
7	MP1A	X	-13.319	111
8	MP1A	Z	0	111
9	MP1A	Mx	.007	111
10	MP1A	X	-13.319	171
11	MP1A	Z	0	171
12	MP1A	Mx	.007	171
13	MP2A	X	-19.333	21
14	MP2A	Z	0	21
15	MP2A	Mx	.01	21
16	MP2A	X	-19.333	69
17	MP2A	Z	0	69
18	MP2A	Mx	.01	69
19	MP2A	X	-19.333	21
20	MP2A	Z	0	21
21	MP2A	Mx	.01	21
22	MP2A	X	-19.333	69
23	MP2A	Z	0	69
24	MP2A	Mx	.01	69
25	MP1A	X	-2.313	3
26	MP1A	Z	0	3
27	MP1A	Mx	.001	3
28	MP1A	X	-2.313	27
29	MP1A	Z	0	27
30	MP1A	Mx	.001	27
31	MP2A	X	-2.35	150
32	MP2A	Z	0	150
33	MP2A	Mx	-.000588	150
34	MP2A	X	-8.94	96
35	MP2A	Z	0	96
36	MP2A	Mx	.003	96
37	MP2A	X	-7.478	120
38	MP2A	Z	0	120
39	MP2A	Mx	.002	120
40	RRH1	X	-16.455	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
41	RRH1	Z	0	60
42	RRH1	Mx	-.008	60
43	RRH2	X	-16.455	60
44	RRH2	Z	0	60
45	RRH2	Mx	-.008	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-7.455	42.6
2	MP1A	Z	-4.304	42.6
3	MP1A	Mx	.004	42.6
4	MP1A	X	-7.455	66.6
5	MP1A	Z	-4.304	66.6
6	MP1A	Mx	.004	66.6
7	MP1A	X	-13.486	111
8	MP1A	Z	-7.786	111
9	MP1A	Mx	.007	111
10	MP1A	X	-13.486	171
11	MP1A	Z	-7.786	171
12	MP1A	Mx	.007	171
13	MP2A	X	-18.669	21
14	MP2A	Z	-10.778	21
15	MP2A	Mx	.003	21
16	MP2A	X	-18.669	69
17	MP2A	Z	-10.778	69
18	MP2A	Mx	.003	69
19	MP2A	X	-18.669	21
20	MP2A	Z	-10.778	21
21	MP2A	Mx	.016	21
22	MP2A	X	-18.669	69
23	MP2A	Z	-10.778	69
24	MP2A	Mx	.016	69
25	MP1A	X	-2.228	3
26	MP1A	Z	-1.286	3
27	MP1A	Mx	.001	3
28	MP1A	X	-2.228	27
29	MP1A	Z	-1.286	27
30	MP1A	Mx	.001	27
31	MP2A	X	-2.199	150
32	MP2A	Z	-1.27	150
33	MP2A	Mx	-.00055	150
34	MP2A	X	-8.575	96
35	MP2A	Z	-4.951	96
36	MP2A	Mx	.003	96
37	MP2A	X	-7.626	120
38	MP2A	Z	-4.403	120
39	MP2A	Mx	.003	120
40	RRH1	X	-15.872	60
41	RRH1	Z	-9.164	60
42	RRH1	Mx	-.008	60
43	RRH2	X	-15.872	60
44	RRH2	Z	-9.164	60
45	RRH2	Mx	-.008	60

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-6.443	42.6
2	MP1A	Z	-11.16	42.6
3	MP1A	Mx	.003	42.6
4	MP1A	X	-6.443	66.6
5	MP1A	Z	-11.16	66.6
6	MP1A	Mx	.003	66.6
7	MP1A	X	-10.038	111
8	MP1A	Z	-17.387	111
9	MP1A	Mx	.005	111
10	MP1A	X	-10.038	171
11	MP1A	Z	-17.387	171
12	MP1A	Mx	.005	171
13	MP2A	X	-13.002	21
14	MP2A	Z	-22.52	21
15	MP2A	Mx	-.007	21
16	MP2A	X	-13.002	69
17	MP2A	Z	-22.52	69
18	MP2A	Mx	-.007	69
19	MP2A	X	-13.002	21
20	MP2A	Z	-22.52	21
21	MP2A	Mx	.02	21
22	MP2A	X	-13.002	69
23	MP2A	Z	-22.52	69
24	MP2A	Mx	.02	69
25	MP1A	X	-1.545	3
26	MP1A	Z	-2.677	3
27	MP1A	Mx	.000772	3
28	MP1A	X	-1.545	27
29	MP1A	Z	-2.677	27
30	MP1A	Mx	.000772	27
31	MP2A	X	-1.459	150
32	MP2A	Z	-2.527	150
33	MP2A	Mx	-.000365	150
34	MP2A	X	-5.913	96
35	MP2A	Z	-10.241	96
36	MP2A	Mx	.002	96
37	MP2A	X	-5.73	120
38	MP2A	Z	-9.925	120
39	MP2A	Mx	.002	120
40	RRH1	X	-11.037	60
41	RRH1	Z	-19.116	60
42	RRH1	Mx	-.006	60
43	RRH2	X	-11.037	60
44	RRH2	Z	-19.116	60
45	RRH2	Mx	-.006	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	0	42.6
2	MP1A	Z	-4.717	42.6
3	MP1A	Mx	0	42.6
4	MP1A	X	0	66.6
5	MP1A	Z	-4.717	66.6
6	MP1A	Mx	0	66.6
7	MP1A	X	0	111
8	MP1A	Z	-7.155	111

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
9	MP1A	Mx	0	111
10	MP1A	X	0	171
11	MP1A	Z	-7.155	171
12	MP1A	Mx	0	171
13	MP2A	X	0	21
14	MP2A	Z	-9.166	21
15	MP2A	Mx	-.005	21
16	MP2A	X	0	69
17	MP2A	Z	-9.166	69
18	MP2A	Mx	-.005	69
19	MP2A	X	0	21
20	MP2A	Z	-9.166	21
21	MP2A	Mx	.005	21
22	MP2A	X	0	69
23	MP2A	Z	-9.166	69
24	MP2A	Mx	.005	69
25	MP1A	X	0	3
26	MP1A	Z	-.901	3
27	MP1A	Mx	0	3
28	MP1A	X	0	27
29	MP1A	Z	-.901	27
30	MP1A	Mx	0	27
31	MP2A	X	0	150
32	MP2A	Z	-.729	150
33	MP2A	Mx	0	150
34	MP2A	X	0	96
35	MP2A	Z	-3.763	96
36	MP2A	Mx	0	96
37	MP2A	X	0	120
38	MP2A	Z	-3.763	120
39	MP2A	Mx	0	120
40	RRH1	X	0	60
41	RRH1	Z	-7.47	60
42	RRH1	Mx	0	60
43	RRH2	X	0	60
44	RRH2	Z	-7.47	60
45	RRH2	Mx	0	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	2	42.6
2	MP1A	Z	-3.464	42.6
3	MP1A	Mx	-.001	42.6
4	MP1A	X	2	66.6
5	MP1A	Z	-3.464	66.6
6	MP1A	Mx	-.001	66.6
7	MP1A	X	3.18	111
8	MP1A	Z	-5.508	111
9	MP1A	Mx	-.002	111
10	MP1A	X	3.18	171
11	MP1A	Z	-5.508	171
12	MP1A	Mx	-.002	171
13	MP2A	X	4.19	21
14	MP2A	Z	-7.257	21
15	MP2A	Mx	-.006	21
16	MP2A	X	4.19	69

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
17	MP2A	Z	-7.257	69
18	MP2A	Mx	-.006	69
19	MP2A	X	4.19	21
20	MP2A	Z	-7.257	21
21	MP2A	Mx	.002	21
22	MP2A	X	4.19	69
23	MP2A	Z	-7.257	69
24	MP2A	Mx	.002	69
25	MP1A	X	.409	3
26	MP1A	Z	-.709	3
27	MP1A	Mx	-.000204	3
28	MP1A	X	.409	27
29	MP1A	Z	-.709	27
30	MP1A	Mx	-.000204	27
31	MP2A	X	.337	150
32	MP2A	Z	-.583	150
33	MP2A	Mx	8.4e-5	150
34	MP2A	X	1.726	96
35	MP2A	Z	-2.989	96
36	MP2A	Mx	-.000575	96
37	MP2A	X	1.666	120
38	MP2A	Z	-2.885	120
39	MP2A	Mx	-.000555	120
40	RRH1	X	3.419	60
41	RRH1	Z	-5.922	60
42	RRH1	Mx	.002	60
43	RRH2	X	3.419	60
44	RRH2	Z	-5.922	60
45	RRH2	Mx	.002	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	2.221	42.6
2	MP1A	Z	-1.282	42.6
3	MP1A	Mx	-.001	42.6
4	MP1A	X	2.221	66.6
5	MP1A	Z	-1.282	66.6
6	MP1A	Mx	-.001	66.6
7	MP1A	X	4.132	111
8	MP1A	Z	-2.385	111
9	MP1A	Mx	-.002	111
10	MP1A	X	4.132	171
11	MP1A	Z	-2.385	171
12	MP1A	Mx	-.002	171
13	MP2A	X	5.895	21
14	MP2A	Z	-3.403	21
15	MP2A	Mx	-.005	21
16	MP2A	X	5.895	69
17	MP2A	Z	-3.403	69
18	MP2A	Mx	-.005	69
19	MP2A	X	5.895	21
20	MP2A	Z	-3.403	21
21	MP2A	Mx	-.000962	21
22	MP2A	X	5.895	69
23	MP2A	Z	-3.403	69
24	MP2A	Mx	-.000962	69

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
25	MP1A	X	.566	3
26	MP1A	Z	-.327	3
27	MP1A	Mx	-.000283	3
28	MP1A	X	.566	27
29	MP1A	Z	-.327	27
30	MP1A	Mx	-.000283	27
31	MP2A	X	.486	150
32	MP2A	Z	-.28	150
33	MP2A	Mx	.000122	150
34	MP2A	X	2.449	96
35	MP2A	Z	-1.414	96
36	MP2A	Mx	-.000816	96
37	MP2A	X	2.138	120
38	MP2A	Z	-1.234	120
39	MP2A	Mx	-.000713	120
40	RRH1	X	4.829	60
41	RRH1	Z	-2.788	60
42	RRH1	Mx	.002	60
43	RRH2	X	4.829	60
44	RRH2	Z	-2.788	60
45	RRH2	Mx	.002	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	1.847	42.6
2	MP1A	Z	0	42.6
3	MP1A	Mx	-.000924	42.6
4	MP1A	X	1.847	66.6
5	MP1A	Z	0	66.6
6	MP1A	Mx	-.000924	66.6
7	MP1A	X	3.976	111
8	MP1A	Z	0	111
9	MP1A	Mx	-.002	111
10	MP1A	X	3.976	171
11	MP1A	Z	0	171
12	MP1A	Mx	-.002	171
13	MP2A	X	6.02	21
14	MP2A	Z	0	21
15	MP2A	Mx	-.003	21
16	MP2A	X	6.02	69
17	MP2A	Z	0	69
18	MP2A	Mx	-.003	69
19	MP2A	X	6.02	21
20	MP2A	Z	0	21
21	MP2A	Mx	-.003	21
22	MP2A	X	6.02	69
23	MP2A	Z	0	69
24	MP2A	Mx	-.003	69
25	MP1A	X	.571	3
26	MP1A	Z	0	3
27	MP1A	Mx	-.000286	3
28	MP1A	X	.571	27
29	MP1A	Z	0	27
30	MP1A	Mx	-.000286	27
31	MP2A	X	.505	150
32	MP2A	Z	0	150

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
33	MP2A	Mx	.000126	150
34	MP2A	X	2.515	96
35	MP2A	Z	0	96
36	MP2A	Mx	-.000838	96
37	MP2A	X	2.037	120
38	MP2A	Z	0	120
39	MP2A	Mx	-.000679	120
40	RRH1	X	4.944	60
41	RRH1	Z	0	60
42	RRH1	Mx	.002	60
43	RRH2	X	4.944	60
44	RRH2	Z	0	60
45	RRH2	Mx	.002	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	2.221	42.6
2	MP1A	Z	1.282	42.6
3	MP1A	Mx	-.001	42.6
4	MP1A	X	2.221	66.6
5	MP1A	Z	1.282	66.6
6	MP1A	Mx	-.001	66.6
7	MP1A	X	4.132	111
8	MP1A	Z	2.385	111
9	MP1A	Mx	-.002	111
10	MP1A	X	4.132	171
11	MP1A	Z	2.385	171
12	MP1A	Mx	-.002	171
13	MP2A	X	5.895	21
14	MP2A	Z	3.403	21
15	MP2A	Mx	-.000962	21
16	MP2A	X	5.895	69
17	MP2A	Z	3.403	69
18	MP2A	Mx	-.000962	69
19	MP2A	X	5.895	21
20	MP2A	Z	3.403	21
21	MP2A	Mx	-.005	21
22	MP2A	X	5.895	69
23	MP2A	Z	3.403	69
24	MP2A	Mx	-.005	69
25	MP1A	X	.566	3
26	MP1A	Z	.327	3
27	MP1A	Mx	-.000283	3
28	MP1A	X	.566	27
29	MP1A	Z	.327	27
30	MP1A	Mx	-.000283	27
31	MP2A	X	.486	150
32	MP2A	Z	.28	150
33	MP2A	Mx	.000122	150
34	MP2A	X	2.449	96
35	MP2A	Z	1.414	96
36	MP2A	Mx	-.000816	96
37	MP2A	X	2.138	120
38	MP2A	Z	1.234	120
39	MP2A	Mx	-.000713	120
40	RRH1	X	4.829	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
41	RRH1	Z	2.788	60
42	RRH1	Mx	.002	60
43	RRH2	X	4.829	60
44	RRH2	Z	2.788	60
45	RRH2	Mx	.002	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	2	42.6
2	MP1A	Z	3.464	42.6
3	MP1A	Mx	-.001	42.6
4	MP1A	X	2	66.6
5	MP1A	Z	3.464	66.6
6	MP1A	Mx	-.001	66.6
7	MP1A	X	3.18	111
8	MP1A	Z	5.508	111
9	MP1A	Mx	-.002	111
10	MP1A	X	3.18	171
11	MP1A	Z	5.508	171
12	MP1A	Mx	-.002	171
13	MP2A	X	4.19	21
14	MP2A	Z	7.257	21
15	MP2A	Mx	.002	21
16	MP2A	X	4.19	69
17	MP2A	Z	7.257	69
18	MP2A	Mx	.002	69
19	MP2A	X	4.19	21
20	MP2A	Z	7.257	21
21	MP2A	Mx	-.006	21
22	MP2A	X	4.19	69
23	MP2A	Z	7.257	69
24	MP2A	Mx	-.006	69
25	MP1A	X	.409	3
26	MP1A	Z	.709	3
27	MP1A	Mx	-.000204	3
28	MP1A	X	.409	27
29	MP1A	Z	.709	27
30	MP1A	Mx	-.000204	27
31	MP2A	X	.337	150
32	MP2A	Z	.583	150
33	MP2A	Mx	8.4e-5	150
34	MP2A	X	1.726	96
35	MP2A	Z	2.989	96
36	MP2A	Mx	-.000575	96
37	MP2A	X	1.666	120
38	MP2A	Z	2.885	120
39	MP2A	Mx	-.000555	120
40	RRH1	X	3.419	60
41	RRH1	Z	5.922	60
42	RRH1	Mx	.002	60
43	RRH2	X	3.419	60
44	RRH2	Z	5.922	60
45	RRH2	Mx	.002	60

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	0	42.6
2	MP1A	Z	4.717	42.6
3	MP1A	Mx	0	42.6
4	MP1A	X	0	66.6
5	MP1A	Z	4.717	66.6
6	MP1A	Mx	0	66.6
7	MP1A	X	0	111
8	MP1A	Z	7.155	111
9	MP1A	Mx	0	111
10	MP1A	X	0	171
11	MP1A	Z	7.155	171
12	MP1A	Mx	0	171
13	MP2A	X	0	21
14	MP2A	Z	9.166	21
15	MP2A	Mx	.005	21
16	MP2A	X	0	69
17	MP2A	Z	9.166	69
18	MP2A	Mx	.005	69
19	MP2A	X	0	21
20	MP2A	Z	9.166	21
21	MP2A	Mx	-.005	21
22	MP2A	X	0	69
23	MP2A	Z	9.166	69
24	MP2A	Mx	-.005	69
25	MP1A	X	0	3
26	MP1A	Z	.901	3
27	MP1A	Mx	0	3
28	MP1A	X	0	27
29	MP1A	Z	.901	27
30	MP1A	Mx	0	27
31	MP2A	X	0	150
32	MP2A	Z	.729	150
33	MP2A	Mx	0	150
34	MP2A	X	0	96
35	MP2A	Z	3.763	96
36	MP2A	Mx	0	96
37	MP2A	X	0	120
38	MP2A	Z	3.763	120
39	MP2A	Mx	0	120
40	RRH1	X	0	60
41	RRH1	Z	7.47	60
42	RRH1	Mx	0	60
43	RRH2	X	0	60
44	RRH2	Z	7.47	60
45	RRH2	Mx	0	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-2	42.6
2	MP1A	Z	3.464	42.6
3	MP1A	Mx	.001	42.6
4	MP1A	X	-2	66.6
5	MP1A	Z	3.464	66.6
6	MP1A	Mx	.001	66.6
7	MP1A	X	-3.18	111
8	MP1A	Z	5.508	111

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
9	MP1A	Mx	.002	111
10	MP1A	X	-3.18	171
11	MP1A	Z	5.508	171
12	MP1A	Mx	.002	171
13	MP2A	X	-4.19	21
14	MP2A	Z	7.257	21
15	MP2A	Mx	.006	21
16	MP2A	X	-4.19	69
17	MP2A	Z	7.257	69
18	MP2A	Mx	.006	69
19	MP2A	X	-4.19	21
20	MP2A	Z	7.257	21
21	MP2A	Mx	-.002	21
22	MP2A	X	-4.19	69
23	MP2A	Z	7.257	69
24	MP2A	Mx	-.002	69
25	MP1A	X	-.409	3
26	MP1A	Z	.709	3
27	MP1A	Mx	.000204	3
28	MP1A	X	-.409	27
29	MP1A	Z	.709	27
30	MP1A	Mx	.000204	27
31	MP2A	X	-.337	150
32	MP2A	Z	.583	150
33	MP2A	Mx	-8.4e-5	150
34	MP2A	X	-1.726	96
35	MP2A	Z	2.989	96
36	MP2A	Mx	.000575	96
37	MP2A	X	-1.666	120
38	MP2A	Z	2.885	120
39	MP2A	Mx	.000555	120
40	RRH1	X	-3.419	60
41	RRH1	Z	5.922	60
42	RRH1	Mx	-.002	60
43	RRH2	X	-3.419	60
44	RRH2	Z	5.922	60
45	RRH2	Mx	-.002	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-2.221	42.6
2	MP1A	Z	1.282	42.6
3	MP1A	Mx	.001	42.6
4	MP1A	X	-2.221	66.6
5	MP1A	Z	1.282	66.6
6	MP1A	Mx	.001	66.6
7	MP1A	X	-4.132	111
8	MP1A	Z	2.385	111
9	MP1A	Mx	.002	111
10	MP1A	X	-4.132	171
11	MP1A	Z	2.385	171
12	MP1A	Mx	.002	171
13	MP2A	X	-5.895	21
14	MP2A	Z	3.403	21
15	MP2A	Mx	.005	21
16	MP2A	X	-5.895	69

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
17	MP2A	Z	3.403	69
18	MP2A	Mx	.005	69
19	MP2A	X	-5.895	21
20	MP2A	Z	3.403	21
21	MP2A	Mx	.000962	21
22	MP2A	X	-5.895	69
23	MP2A	Z	3.403	69
24	MP2A	Mx	.000962	69
25	MP1A	X	-.566	3
26	MP1A	Z	.327	3
27	MP1A	Mx	.000283	3
28	MP1A	X	-.566	27
29	MP1A	Z	.327	27
30	MP1A	Mx	.000283	27
31	MP2A	X	-.486	150
32	MP2A	Z	.28	150
33	MP2A	Mx	-.000122	150
34	MP2A	X	-2.449	96
35	MP2A	Z	1.414	96
36	MP2A	Mx	.000816	96
37	MP2A	X	-2.138	120
38	MP2A	Z	1.234	120
39	MP2A	Mx	.000713	120
40	RRH1	X	-4.829	60
41	RRH1	Z	2.788	60
42	RRH1	Mx	-.002	60
43	RRH2	X	-4.829	60
44	RRH2	Z	2.788	60
45	RRH2	Mx	-.002	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-1.847	42.6
2	MP1A	Z	0	42.6
3	MP1A	Mx	.000924	42.6
4	MP1A	X	-1.847	66.6
5	MP1A	Z	0	66.6
6	MP1A	Mx	.000924	66.6
7	MP1A	X	-3.976	111
8	MP1A	Z	0	111
9	MP1A	Mx	.002	111
10	MP1A	X	-3.976	171
11	MP1A	Z	0	171
12	MP1A	Mx	.002	171
13	MP2A	X	-6.02	21
14	MP2A	Z	0	21
15	MP2A	Mx	.003	21
16	MP2A	X	-6.02	69
17	MP2A	Z	0	69
18	MP2A	Mx	.003	69
19	MP2A	X	-6.02	21
20	MP2A	Z	0	21
21	MP2A	Mx	.003	21
22	MP2A	X	-6.02	69
23	MP2A	Z	0	69
24	MP2A	Mx	.003	69

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
25	MP1A	X	-.571	3
26	MP1A	Z	0	3
27	MP1A	Mx	.000286	3
28	MP1A	X	-.571	27
29	MP1A	Z	0	27
30	MP1A	Mx	.000286	27
31	MP2A	X	-.505	150
32	MP2A	Z	0	150
33	MP2A	Mx	-.000126	150
34	MP2A	X	-2.515	96
35	MP2A	Z	0	96
36	MP2A	Mx	.000838	96
37	MP2A	X	-2.037	120
38	MP2A	Z	0	120
39	MP2A	Mx	.000679	120
40	RRH1	X	-4.944	60
41	RRH1	Z	0	60
42	RRH1	Mx	-.002	60
43	RRH2	X	-4.944	60
44	RRH2	Z	0	60
45	RRH2	Mx	-.002	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-2.221	42.6
2	MP1A	Z	-1.282	42.6
3	MP1A	Mx	.001	42.6
4	MP1A	X	-2.221	66.6
5	MP1A	Z	-1.282	66.6
6	MP1A	Mx	.001	66.6
7	MP1A	X	-4.132	111
8	MP1A	Z	-2.385	111
9	MP1A	Mx	.002	111
10	MP1A	X	-4.132	171
11	MP1A	Z	-2.385	171
12	MP1A	Mx	.002	171
13	MP2A	X	-5.895	21
14	MP2A	Z	-3.403	21
15	MP2A	Mx	.000962	21
16	MP2A	X	-5.895	69
17	MP2A	Z	-3.403	69
18	MP2A	Mx	.000962	69
19	MP2A	X	-5.895	21
20	MP2A	Z	-3.403	21
21	MP2A	Mx	.005	21
22	MP2A	X	-5.895	69
23	MP2A	Z	-3.403	69
24	MP2A	Mx	.005	69
25	MP1A	X	-.566	3
26	MP1A	Z	-.327	3
27	MP1A	Mx	.000283	3
28	MP1A	X	-.566	27
29	MP1A	Z	-.327	27
30	MP1A	Mx	.000283	27
31	MP2A	X	-.486	150
32	MP2A	Z	-.28	150

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
33	MP2A	Mx	-.000122	150
34	MP2A	X	-2.449	96
35	MP2A	Z	-1.414	96
36	MP2A	Mx	.000816	96
37	MP2A	X	-2.138	120
38	MP2A	Z	-1.234	120
39	MP2A	Mx	.000713	120
40	RRH1	X	-4.829	60
41	RRH1	Z	-2.788	60
42	RRH1	Mx	-.002	60
43	RRH2	X	-4.829	60
44	RRH2	Z	-2.788	60
45	RRH2	Mx	-.002	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	MP1A	X	-2	42.6
2	MP1A	Z	-3.464	42.6
3	MP1A	Mx	.001	42.6
4	MP1A	X	-2	66.6
5	MP1A	Z	-3.464	66.6
6	MP1A	Mx	.001	66.6
7	MP1A	X	-3.18	111
8	MP1A	Z	-5.508	111
9	MP1A	Mx	.002	111
10	MP1A	X	-3.18	171
11	MP1A	Z	-5.508	171
12	MP1A	Mx	.002	171
13	MP2A	X	-4.19	21
14	MP2A	Z	-7.257	21
15	MP2A	Mx	-.002	21
16	MP2A	X	-4.19	69
17	MP2A	Z	-7.257	69
18	MP2A	Mx	-.002	69
19	MP2A	X	-4.19	21
20	MP2A	Z	-7.257	21
21	MP2A	Mx	.006	21
22	MP2A	X	-4.19	69
23	MP2A	Z	-7.257	69
24	MP2A	Mx	.006	69
25	MP1A	X	-.409	3
26	MP1A	Z	-.709	3
27	MP1A	Mx	.000204	3
28	MP1A	X	-.409	27
29	MP1A	Z	-.709	27
30	MP1A	Mx	.000204	27
31	MP2A	X	-.337	150
32	MP2A	Z	-.583	150
33	MP2A	Mx	-8.4e-5	150
34	MP2A	X	-1.726	96
35	MP2A	Z	-2.989	96
36	MP2A	Mx	.000575	96
37	MP2A	X	-1.666	120
38	MP2A	Z	-2.885	120
39	MP2A	Mx	.000555	120
40	RRH1	X	-3.419	60

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
41	RRH1	Z	-5.922	60
42	RRH1	Mx	-.002	60
43	RRH2	X	-3.419	60
44	RRH2	Z	-5.922	60
45	RRH2	Mx	-.002	60

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M4	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M4	Y	-500	%50

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M4	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[in,%]
1	M4	Y	-250	%50

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	MP1A	Y	-9.145	-9.145	0	%100
2	RRH1	Y	-5.79	-5.79	0	%100
3	M7A	Y	-3.027	-3.027	0	%100
4	M8A	Y	-3.027	-3.027	0	%100
5	M17	Y	-3.027	-3.027	0	%100
6	M18	Y	-3.027	-3.027	0	%100
7	M23	Y	-17.849	-17.849	0	%100
8	M25	Y	-17.849	-17.849	0	%100
9	M28A	Y	-10.972	-10.972	0	%100
10	M29	Y	-10.972	-10.972	0	%100
11	MP2A	Y	-9.145	-9.145	0	%100
12	RRH2	Y	-5.79	-5.79	0	%100
13	M36	Y	-3.027	-3.027	0	%100
14	M37	Y	-3.027	-3.027	0	%100
15	M46	Y	-3.027	-3.027	0	%100
16	M47	Y	-3.027	-3.027	0	%100
17	M52	Y	-17.849	-17.849	0	%100
18	M54	Y	-17.849	-17.849	0	%100
19	M57	Y	-10.972	-10.972	0	%100
20	M58	Y	-10.972	-10.972	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	MP1A	X	0	0	0	%100
2	MP1A	Z	-12.091	-12.091	0	%100
3	RRH1	X	0	0	0	%100
4	RRH1	Z	-7.242	-7.242	0	%100
5	M7A	X	0	0	0	%100
6	M7A	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,F...	Start Location[in,%]	End Location[in,%]
7	M8A	X	0	0	0	%100
8	M8A	Z	0	0	0	%100
9	M17	X	0	0	0	%100
10	M17	Z	0	0	0	%100
11	M18	X	0	0	0	%100
12	M18	Z	0	0	0	%100
13	M23	X	0	0	0	%100
14	M23	Z	-11.994	-11.994	0	%100
15	M25	X	0	0	0	%100
16	M25	Z	0	0	0	%100
17	M28A	X	0	0	0	%100
18	M28A	Z	-19.792	-19.792	0	%100
19	M29	X	0	0	0	%100
20	M29	Z	-19.903	-19.903	0	%100
21	MP2A	X	0	0	0	%100
22	MP2A	Z	-12.091	-12.091	0	%100
23	RRH2	X	0	0	0	%100
24	RRH2	Z	-7.242	-7.242	0	%100
25	M36	X	0	0	0	%100
26	M36	Z	0	0	0	%100
27	M37	X	0	0	0	%100
28	M37	Z	0	0	0	%100
29	M46	X	0	0	0	%100
30	M46	Z	0	0	0	%100
31	M47	X	0	0	0	%100
32	M47	Z	0	0	0	%100
33	M52	X	0	0	0	%100
34	M52	Z	-11.994	-11.994	0	%100
35	M54	X	0	0	0	%100
36	M54	Z	0	0	0	%100
37	M57	X	0	0	0	%100
38	M57	Z	-19.607	-19.607	0	%100
39	M58	X	0	0	0	%100
40	M58	Z	-15.837	-15.837	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	MP1A	X	6.045	6.045	0	%100
2	MP1A	Z	-10.471	-10.471	0	%100
3	RRH1	X	3.621	3.621	0	%100
4	RRH1	Z	-6.272	-6.272	0	%100
5	M7A	X	.146	.146	0	%100
6	M7A	Z	-.252	-.252	0	%100
7	M8A	X	.146	.146	0	%100
8	M8A	Z	-.252	-.252	0	%100
9	M17	X	.146	.146	0	%100
10	M17	Z	-.252	-.252	0	%100
11	M18	X	.146	.146	0	%100
12	M18	Z	-.252	-.252	0	%100
13	M23	X	4.699	4.699	0	%100
14	M23	Z	-8.139	-8.139	0	%100
15	M25	X	.191	.191	0	%100
16	M25	Z	-.33	-.33	0	%100
17	M28A	X	6.364	6.364	0	%100
18	M28A	Z	-11.024	-11.024	0	%100
19	M29	X	8.85	8.85	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
20	M29	Z	-15.329	-15.329	0	%100
21	MP2A	X	6.045	6.045	0	%100
22	MP2A	Z	-10.471	-10.471	0	%100
23	RRH2	X	3.621	3.621	0	%100
24	RRH2	Z	-6.272	-6.272	0	%100
25	M36	X	.146	.146	0	%100
26	M36	Z	-.252	-.252	0	%100
27	M37	X	.146	.146	0	%100
28	M37	Z	-.252	-.252	0	%100
29	M46	X	.146	.146	0	%100
30	M46	Z	-.252	-.252	0	%100
31	M47	X	.146	.146	0	%100
32	M47	Z	-.252	-.252	0	%100
33	M52	X	4.699	4.699	0	%100
34	M52	Z	-8.139	-8.139	0	%100
35	M54	X	.191	.191	0	%100
36	M54	Z	-.33	-.33	0	%100
37	M57	X	6.215	6.215	0	%100
38	M57	Z	-10.764	-10.764	0	%100
39	M58	X	8.653	8.653	0	%100
40	M58	Z	-14.987	-14.987	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	MP1A	X	10.471	10.471	0	%100
2	MP1A	Z	-6.045	-6.045	0	%100
3	RRH1	X	6.272	6.272	0	%100
4	RRH1	Z	-3.621	-3.621	0	%100
5	M7A	X	.756	.756	0	%100
6	M7A	Z	-.437	-.437	0	%100
7	M8A	X	.756	.756	0	%100
8	M8A	Z	-.437	-.437	0	%100
9	M17	X	.756	.756	0	%100
10	M17	Z	-.437	-.437	0	%100
11	M18	X	.756	.756	0	%100
12	M18	Z	-.437	-.437	0	%100
13	M23	X	3.642	3.642	0	%100
14	M23	Z	-2.103	-2.103	0	%100
15	M25	X	.99	.99	0	%100
16	M25	Z	-.572	-.572	0	%100
17	M28A	X	3.454	3.454	0	%100
18	M28A	Z	-1.994	-1.994	0	%100
19	M29	X	7.237	7.237	0	%100
20	M29	Z	-4.178	-4.178	0	%100
21	MP2A	X	10.471	10.471	0	%100
22	MP2A	Z	-6.045	-6.045	0	%100
23	RRH2	X	6.272	6.272	0	%100
24	RRH2	Z	-3.621	-3.621	0	%100
25	M36	X	.756	.756	0	%100
26	M36	Z	-.437	-.437	0	%100
27	M37	X	.756	.756	0	%100
28	M37	Z	-.437	-.437	0	%100
29	M46	X	.756	.756	0	%100
30	M46	Z	-.437	-.437	0	%100
31	M47	X	.756	.756	0	%100
32	M47	Z	-.437	-.437	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
33	M52	X	3.642	3.642	0	%100
34	M52	Z	-2.103	-2.103	0	%100
35	M54	X	.99	.99	0	%100
36	M54	Z	-.572	-.572	0	%100
37	M57	X	3.619	3.619	0	%100
38	M57	Z	-2.089	-2.089	0	%100
39	M58	X	10.385	10.385	0	%100
40	M58	Z	-5.996	-5.996	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	MP1A	X	12.091	12.091	0	%100
2	MP1A	Z	0	0	0	%100
3	RRH1	X	7.242	7.242	0	%100
4	RRH1	Z	0	0	0	%100
5	M7A	X	1.165	1.165	0	%100
6	M7A	Z	0	0	0	%100
7	M8A	X	1.165	1.165	0	%100
8	M8A	Z	0	0	0	%100
9	M17	X	1.165	1.165	0	%100
10	M17	Z	0	0	0	%100
11	M18	X	1.165	1.165	0	%100
12	M18	Z	0	0	0	%100
13	M23	X	1.609	1.609	0	%100
14	M23	Z	0	0	0	%100
15	M25	X	1.525	1.525	0	%100
16	M25	Z	0	0	0	%100
17	M28A	X	2.31	2.31	0	%100
18	M28A	Z	0	0	0	%100
19	M29	X	1.216	1.216	0	%100
20	M29	Z	0	0	0	%100
21	MP2A	X	12.091	12.091	0	%100
22	MP2A	Z	0	0	0	%100
23	RRH2	X	7.242	7.242	0	%100
24	RRH2	Z	0	0	0	%100
25	M36	X	1.165	1.165	0	%100
26	M36	Z	0	0	0	%100
27	M37	X	1.165	1.165	0	%100
28	M37	Z	0	0	0	%100
29	M46	X	1.165	1.165	0	%100
30	M46	Z	0	0	0	%100
31	M47	X	1.165	1.165	0	%100
32	M47	Z	0	0	0	%100
33	M52	X	1.609	1.609	0	%100
34	M52	Z	0	0	0	%100
35	M54	X	1.525	1.525	0	%100
36	M54	Z	0	0	0	%100
37	M57	X	3.106	3.106	0	%100
38	M57	Z	0	0	0	%100
39	M58	X	5.211	5.211	0	%100
40	M58	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	MP1A	X	10.471	10.471	0	%100
2	MP1A	Z	6.045	6.045	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
3	RRH1	X	6.272	6.272	0	%100
4	RRH1	Z	3.621	3.621	0	%100
5	M7A	X	.756	.756	0	%100
6	M7A	Z	.437	.437	0	%100
7	M8A	X	.756	.756	0	%100
8	M8A	Z	.437	.437	0	%100
9	M17	X	.756	.756	0	%100
10	M17	Z	.437	.437	0	%100
11	M18	X	.756	.756	0	%100
12	M18	Z	.437	.437	0	%100
13	M23	X	3.642	3.642	0	%100
14	M23	Z	2.103	2.103	0	%100
15	M25	X	.99	.99	0	%100
16	M25	Z	.572	.572	0	%100
17	M28A	X	8.117	8.117	0	%100
18	M28A	Z	4.686	4.686	0	%100
19	M29	X	2.961	2.961	0	%100
20	M29	Z	1.709	1.709	0	%100
21	MP2A	X	10.471	10.471	0	%100
22	MP2A	Z	6.045	6.045	0	%100
23	RRH2	X	6.272	6.272	0	%100
24	RRH2	Z	3.621	3.621	0	%100
25	M36	X	.756	.756	0	%100
26	M36	Z	.437	.437	0	%100
27	M37	X	.756	.756	0	%100
28	M37	Z	.437	.437	0	%100
29	M46	X	.756	.756	0	%100
30	M46	Z	.437	.437	0	%100
31	M47	X	.756	.756	0	%100
32	M47	Z	.437	.437	0	%100
33	M52	X	3.642	3.642	0	%100
34	M52	Z	2.103	2.103	0	%100
35	M54	X	.99	.99	0	%100
36	M54	Z	.572	.572	0	%100
37	M57	X	8.906	8.906	0	%100
38	M57	Z	5.142	5.142	0	%100
39	M58	X	3.241	3.241	0	%100
40	M58	Z	1.871	1.871	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	MP1A	X	6.045	6.045	0	%100
2	MP1A	Z	10.471	10.471	0	%100
3	RRH1	X	3.621	3.621	0	%100
4	RRH1	Z	6.272	6.272	0	%100
5	M7A	X	.146	.146	0	%100
6	M7A	Z	.252	.252	0	%100
7	M8A	X	.146	.146	0	%100
8	M8A	Z	.252	.252	0	%100
9	M17	X	.146	.146	0	%100
10	M17	Z	.252	.252	0	%100
11	M18	X	.146	.146	0	%100
12	M18	Z	.252	.252	0	%100
13	M23	X	4.699	4.699	0	%100
14	M23	Z	8.139	8.139	0	%100
15	M25	X	.191	.191	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
16	M25	Z	.33	.33	0	%100
17	M28A	X	9.057	9.057	0	%100
18	M28A	Z	15.687	15.687	0	%100
19	M29	X	6.381	6.381	0	%100
20	M29	Z	11.053	11.053	0	%100
21	MP2A	X	6.045	6.045	0	%100
22	MP2A	Z	10.471	10.471	0	%100
23	RRH2	X	3.621	3.621	0	%100
24	RRH2	Z	6.272	6.272	0	%100
25	M36	X	.146	.146	0	%100
26	M36	Z	.252	.252	0	%100
27	M37	X	.146	.146	0	%100
28	M37	Z	.252	.252	0	%100
29	M46	X	.146	.146	0	%100
30	M46	Z	.252	.252	0	%100
31	M47	X	.146	.146	0	%100
32	M47	Z	.252	.252	0	%100
33	M52	X	4.699	4.699	0	%100
34	M52	Z	8.139	8.139	0	%100
35	M54	X	.191	.191	0	%100
36	M54	Z	.33	.33	0	%100
37	M57	X	9.267	9.267	0	%100
38	M57	Z	16.051	16.051	0	%100
39	M58	X	4.528	4.528	0	%100
40	M58	Z	7.842	7.842	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	MP1A	X	0	0	0	%100
2	MP1A	Z	12.091	12.091	0	%100
3	RRH1	X	0	0	0	%100
4	RRH1	Z	7.242	7.242	0	%100
5	M7A	X	0	0	0	%100
6	M7A	Z	0	0	0	%100
7	M8A	X	0	0	0	%100
8	M8A	Z	0	0	0	%100
9	M17	X	0	0	0	%100
10	M17	Z	0	0	0	%100
11	M18	X	0	0	0	%100
12	M18	Z	0	0	0	%100
13	M23	X	0	0	0	%100
14	M23	Z	11.994	11.994	0	%100
15	M25	X	0	0	0	%100
16	M25	Z	0	0	0	%100
17	M28A	X	0	0	0	%100
18	M28A	Z	19.792	19.792	0	%100
19	M29	X	0	0	0	%100
20	M29	Z	19.903	19.903	0	%100
21	MP2A	X	0	0	0	%100
22	MP2A	Z	12.091	12.091	0	%100
23	RRH2	X	0	0	0	%100
24	RRH2	Z	7.242	7.242	0	%100
25	M36	X	0	0	0	%100
26	M36	Z	0	0	0	%100
27	M37	X	0	0	0	%100
28	M37	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,F...	Start Location[in,%]	End Location[in,%]
29	M46	X	0	0	0	%100
30	M46	Z	0	0	0	%100
31	M47	X	0	0	0	%100
32	M47	Z	0	0	0	%100
33	M52	X	0	0	0	%100
34	M52	Z	11.994	11.994	0	%100
35	M54	X	0	0	0	%100
36	M54	Z	0	0	0	%100
37	M57	X	0	0	0	%100
38	M57	Z	19.607	19.607	0	%100
39	M58	X	0	0	0	%100
40	M58	Z	15.837	15.837	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	MP1A	X	-6.045	-6.045	0	%100
2	MP1A	Z	10.471	10.471	0	%100
3	RRH1	X	-3.621	-3.621	0	%100
4	RRH1	Z	6.272	6.272	0	%100
5	M7A	X	-.146	-.146	0	%100
6	M7A	Z	.252	.252	0	%100
7	M8A	X	-.146	-.146	0	%100
8	M8A	Z	.252	.252	0	%100
9	M17	X	-.146	-.146	0	%100
10	M17	Z	.252	.252	0	%100
11	M18	X	-.146	-.146	0	%100
12	M18	Z	.252	.252	0	%100
13	M23	X	-4.699	-4.699	0	%100
14	M23	Z	8.139	8.139	0	%100
15	M25	X	-.191	-.191	0	%100
16	M25	Z	.33	.33	0	%100
17	M28A	X	-6.364	-6.364	0	%100
18	M28A	Z	11.024	11.024	0	%100
19	M29	X	-8.85	-8.85	0	%100
20	M29	Z	15.329	15.329	0	%100
21	MP2A	X	-6.045	-6.045	0	%100
22	MP2A	Z	10.471	10.471	0	%100
23	RRH2	X	-3.621	-3.621	0	%100
24	RRH2	Z	6.272	6.272	0	%100
25	M36	X	-.146	-.146	0	%100
26	M36	Z	.252	.252	0	%100
27	M37	X	-.146	-.146	0	%100
28	M37	Z	.252	.252	0	%100
29	M46	X	-.146	-.146	0	%100
30	M46	Z	.252	.252	0	%100
31	M47	X	-.146	-.146	0	%100
32	M47	Z	.252	.252	0	%100
33	M52	X	-4.699	-4.699	0	%100
34	M52	Z	8.139	8.139	0	%100
35	M54	X	-.191	-.191	0	%100
36	M54	Z	.33	.33	0	%100
37	M57	X	-6.215	-6.215	0	%100
38	M57	Z	10.764	10.764	0	%100
39	M58	X	-8.653	-8.653	0	%100
40	M58	Z	14.987	14.987	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	MP1A	X	-10.471	-10.471	0	%100
2	MP1A	Z	6.045	6.045	0	%100
3	RRH1	X	-6.272	-6.272	0	%100
4	RRH1	Z	3.621	3.621	0	%100
5	M7A	X	-.756	-.756	0	%100
6	M7A	Z	.437	.437	0	%100
7	M8A	X	-.756	-.756	0	%100
8	M8A	Z	.437	.437	0	%100
9	M17	X	-.756	-.756	0	%100
10	M17	Z	.437	.437	0	%100
11	M18	X	-.756	-.756	0	%100
12	M18	Z	.437	.437	0	%100
13	M23	X	-3.642	-3.642	0	%100
14	M23	Z	2.103	2.103	0	%100
15	M25	X	-.99	-.99	0	%100
16	M25	Z	.572	.572	0	%100
17	M28A	X	-3.454	-3.454	0	%100
18	M28A	Z	1.994	1.994	0	%100
19	M29	X	-7.237	-7.237	0	%100
20	M29	Z	4.178	4.178	0	%100
21	MP2A	X	-10.471	-10.471	0	%100
22	MP2A	Z	6.045	6.045	0	%100
23	RRH2	X	-6.272	-6.272	0	%100
24	RRH2	Z	3.621	3.621	0	%100
25	M36	X	-.756	-.756	0	%100
26	M36	Z	.437	.437	0	%100
27	M37	X	-.756	-.756	0	%100
28	M37	Z	.437	.437	0	%100
29	M46	X	-.756	-.756	0	%100
30	M46	Z	.437	.437	0	%100
31	M47	X	-.756	-.756	0	%100
32	M47	Z	.437	.437	0	%100
33	M52	X	-3.642	-3.642	0	%100
34	M52	Z	2.103	2.103	0	%100
35	M54	X	-.99	-.99	0	%100
36	M54	Z	.572	.572	0	%100
37	M57	X	-3.619	-3.619	0	%100
38	M57	Z	2.089	2.089	0	%100
39	M58	X	-10.385	-10.385	0	%100
40	M58	Z	5.996	5.996	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	MP1A	X	-12.091	-12.091	0	%100
2	MP1A	Z	0	0	0	%100
3	RRH1	X	-7.242	-7.242	0	%100
4	RRH1	Z	0	0	0	%100
5	M7A	X	-1.165	-1.165	0	%100
6	M7A	Z	0	0	0	%100
7	M8A	X	-1.165	-1.165	0	%100
8	M8A	Z	0	0	0	%100
9	M17	X	-1.165	-1.165	0	%100
10	M17	Z	0	0	0	%100
11	M18	X	-1.165	-1.165	0	%100
12	M18	Z	0	0	0	%100
13	M23	X	-1.609	-1.609	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
14	M23	Z	0	0	0	%100
15	M25	X	-1.525	-1.525	0	%100
16	M25	Z	0	0	0	%100
17	M28A	X	-2.31	-2.31	0	%100
18	M28A	Z	0	0	0	%100
19	M29	X	-1.216	-1.216	0	%100
20	M29	Z	0	0	0	%100
21	MP2A	X	-12.091	-12.091	0	%100
22	MP2A	Z	0	0	0	%100
23	RRH2	X	-7.242	-7.242	0	%100
24	RRH2	Z	0	0	0	%100
25	M36	X	-1.165	-1.165	0	%100
26	M36	Z	0	0	0	%100
27	M37	X	-1.165	-1.165	0	%100
28	M37	Z	0	0	0	%100
29	M46	X	-1.165	-1.165	0	%100
30	M46	Z	0	0	0	%100
31	M47	X	-1.165	-1.165	0	%100
32	M47	Z	0	0	0	%100
33	M52	X	-1.609	-1.609	0	%100
34	M52	Z	0	0	0	%100
35	M54	X	-1.525	-1.525	0	%100
36	M54	Z	0	0	0	%100
37	M57	X	-3.106	-3.106	0	%100
38	M57	Z	0	0	0	%100
39	M58	X	-5.211	-5.211	0	%100
40	M58	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	MP1A	X	-10.471	-10.471	0	%100
2	MP1A	Z	-6.045	-6.045	0	%100
3	RRH1	X	-6.272	-6.272	0	%100
4	RRH1	Z	-3.621	-3.621	0	%100
5	M7A	X	-.756	-.756	0	%100
6	M7A	Z	-.437	-.437	0	%100
7	M8A	X	-.756	-.756	0	%100
8	M8A	Z	-.437	-.437	0	%100
9	M17	X	-.756	-.756	0	%100
10	M17	Z	-.437	-.437	0	%100
11	M18	X	-.756	-.756	0	%100
12	M18	Z	-.437	-.437	0	%100
13	M23	X	-3.642	-3.642	0	%100
14	M23	Z	-2.103	-2.103	0	%100
15	M25	X	-.99	-.99	0	%100
16	M25	Z	-.572	-.572	0	%100
17	M28A	X	-8.117	-8.117	0	%100
18	M28A	Z	-4.686	-4.686	0	%100
19	M29	X	-2.961	-2.961	0	%100
20	M29	Z	-1.709	-1.709	0	%100
21	MP2A	X	-10.471	-10.471	0	%100
22	MP2A	Z	-6.045	-6.045	0	%100
23	RRH2	X	-6.272	-6.272	0	%100
24	RRH2	Z	-3.621	-3.621	0	%100
25	M36	X	-.756	-.756	0	%100
26	M36	Z	-.437	-.437	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
27	M37	X	-.756	-.756	0	%100
28	M37	Z	-.437	-.437	0	%100
29	M46	X	-.756	-.756	0	%100
30	M46	Z	-.437	-.437	0	%100
31	M47	X	-.756	-.756	0	%100
32	M47	Z	-.437	-.437	0	%100
33	M52	X	-3.642	-3.642	0	%100
34	M52	Z	-2.103	-2.103	0	%100
35	M54	X	-.99	-.99	0	%100
36	M54	Z	-.572	-.572	0	%100
37	M57	X	-8.906	-8.906	0	%100
38	M57	Z	-5.142	-5.142	0	%100
39	M58	X	-3.241	-3.241	0	%100
40	M58	Z	-1.871	-1.871	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	MP1A	X	-6.045	-6.045	0	%100
2	MP1A	Z	-10.471	-10.471	0	%100
3	RRH1	X	-3.621	-3.621	0	%100
4	RRH1	Z	-6.272	-6.272	0	%100
5	M7A	X	-.146	-.146	0	%100
6	M7A	Z	-.252	-.252	0	%100
7	M8A	X	-.146	-.146	0	%100
8	M8A	Z	-.252	-.252	0	%100
9	M17	X	-.146	-.146	0	%100
10	M17	Z	-.252	-.252	0	%100
11	M18	X	-.146	-.146	0	%100
12	M18	Z	-.252	-.252	0	%100
13	M23	X	-4.699	-4.699	0	%100
14	M23	Z	-8.139	-8.139	0	%100
15	M25	X	-.191	-.191	0	%100
16	M25	Z	-.33	-.33	0	%100
17	M28A	X	-9.057	-9.057	0	%100
18	M28A	Z	-15.687	-15.687	0	%100
19	M29	X	-6.381	-6.381	0	%100
20	M29	Z	-11.053	-11.053	0	%100
21	MP2A	X	-6.045	-6.045	0	%100
22	MP2A	Z	-10.471	-10.471	0	%100
23	RRH2	X	-3.621	-3.621	0	%100
24	RRH2	Z	-6.272	-6.272	0	%100
25	M36	X	-.146	-.146	0	%100
26	M36	Z	-.252	-.252	0	%100
27	M37	X	-.146	-.146	0	%100
28	M37	Z	-.252	-.252	0	%100
29	M46	X	-.146	-.146	0	%100
30	M46	Z	-.252	-.252	0	%100
31	M47	X	-.146	-.146	0	%100
32	M47	Z	-.252	-.252	0	%100
33	M52	X	-4.699	-4.699	0	%100
34	M52	Z	-8.139	-8.139	0	%100
35	M54	X	-.191	-.191	0	%100
36	M54	Z	-.33	-.33	0	%100
37	M57	X	-9.267	-9.267	0	%100
38	M57	Z	-16.051	-16.051	0	%100
39	M58	X	-4.528	-4.528	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
40	M58	Z	-7.842	-7.842	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	MP1A	X	0	0	0	%100
2	MP1A	Z	-3.879	-3.879	0	%100
3	RRH1	X	0	0	0	%100
4	RRH1	Z	-2.715	-2.715	0	%100
5	M7A	X	0	0	0	%100
6	M7A	Z	0	0	0	%100
7	M8A	X	0	0	0	%100
8	M8A	Z	0	0	0	%100
9	M17	X	0	0	0	%100
10	M17	Z	0	0	0	%100
11	M18	X	0	0	0	%100
12	M18	Z	0	0	0	%100
13	M23	X	0	0	0	%100
14	M23	Z	-2.451	-2.451	0	%100
15	M25	X	0	0	0	%100
16	M25	Z	0	0	0	%100
17	M28A	X	0	0	0	%100
18	M28A	Z	-4.931	-4.931	0	%100
19	M29	X	0	0	0	%100
20	M29	Z	-4.959	-4.959	0	%100
21	MP2A	X	0	0	0	%100
22	MP2A	Z	-3.879	-3.879	0	%100
23	RRH2	X	0	0	0	%100
24	RRH2	Z	-2.715	-2.715	0	%100
25	M36	X	0	0	0	%100
26	M36	Z	0	0	0	%100
27	M37	X	0	0	0	%100
28	M37	Z	0	0	0	%100
29	M46	X	0	0	0	%100
30	M46	Z	0	0	0	%100
31	M47	X	0	0	0	%100
32	M47	Z	0	0	0	%100
33	M52	X	0	0	0	%100
34	M52	Z	-2.451	-2.451	0	%100
35	M54	X	0	0	0	%100
36	M54	Z	0	0	0	%100
37	M57	X	0	0	0	%100
38	M57	Z	-4.885	-4.885	0	%100
39	M58	X	0	0	0	%100
40	M58	Z	-4.112	-4.112	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	MP1A	X	1.939	1.939	0	%100
2	MP1A	Z	-3.359	-3.359	0	%100
3	RRH1	X	1.358	1.358	0	%100
4	RRH1	Z	-2.352	-2.352	0	%100
5	M7A	X	.129	.129	0	%100
6	M7A	Z	-.224	-.224	0	%100
7	M8A	X	.129	.129	0	%100
8	M8A	Z	-.224	-.224	0	%100
9	M17	X	.129	.129	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
10	M17	Z	-.224	-.224	0	%100
11	M18	X	.129	.129	0	%100
12	M18	Z	-.224	-.224	0	%100
13	M23	X	1.058	1.058	0	%100
14	M23	Z	-1.833	-1.833	0	%100
15	M25	X	.144	.144	0	%100
16	M25	Z	-.25	-.25	0	%100
17	M28A	X	1.586	1.586	0	%100
18	M28A	Z	-2.747	-2.747	0	%100
19	M29	X	2.205	2.205	0	%100
20	M29	Z	-3.819	-3.819	0	%100
21	MP2A	X	1.939	1.939	0	%100
22	MP2A	Z	-3.359	-3.359	0	%100
23	RRH2	X	1.358	1.358	0	%100
24	RRH2	Z	-2.352	-2.352	0	%100
25	M36	X	.129	.129	0	%100
26	M36	Z	-.224	-.224	0	%100
27	M37	X	.129	.129	0	%100
28	M37	Z	-.224	-.224	0	%100
29	M46	X	.129	.129	0	%100
30	M46	Z	-.224	-.224	0	%100
31	M47	X	.129	.129	0	%100
32	M47	Z	-.224	-.224	0	%100
33	M52	X	1.058	1.058	0	%100
34	M52	Z	-1.833	-1.833	0	%100
35	M54	X	.144	.144	0	%100
36	M54	Z	-.25	-.25	0	%100
37	M57	X	1.548	1.548	0	%100
38	M57	Z	-2.682	-2.682	0	%100
39	M58	X	2.247	2.247	0	%100
40	M58	Z	-3.892	-3.892	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	MP1A	X	3.359	3.359	0	%100
2	MP1A	Z	-1.939	-1.939	0	%100
3	RRH1	X	2.352	2.352	0	%100
4	RRH1	Z	-1.358	-1.358	0	%100
5	M7A	X	.672	.672	0	%100
6	M7A	Z	-.388	-.388	0	%100
7	M8A	X	.672	.672	0	%100
8	M8A	Z	-.388	-.388	0	%100
9	M17	X	.672	.672	0	%100
10	M17	Z	-.388	-.388	0	%100
11	M18	X	.672	.672	0	%100
12	M18	Z	-.388	-.388	0	%100
13	M23	X	1.254	1.254	0	%100
14	M23	Z	-.724	-.724	0	%100
15	M25	X	.75	.75	0	%100
16	M25	Z	-.433	-.433	0	%100
17	M28A	X	.86	.86	0	%100
18	M28A	Z	-.497	-.497	0	%100
19	M29	X	1.803	1.803	0	%100
20	M29	Z	-1.041	-1.041	0	%100
21	MP2A	X	3.359	3.359	0	%100
22	MP2A	Z	-1.939	-1.939	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
23	RRH2	X	2.352	2.352	0	%100
24	RRH2	Z	-1.358	-1.358	0	%100
25	M36	X	.672	.672	0	%100
26	M36	Z	-.388	-.388	0	%100
27	M37	X	.672	.672	0	%100
28	M37	Z	-.388	-.388	0	%100
29	M46	X	.672	.672	0	%100
30	M46	Z	-.388	-.388	0	%100
31	M47	X	.672	.672	0	%100
32	M47	Z	-.388	-.388	0	%100
33	M52	X	1.254	1.254	0	%100
34	M52	Z	-.724	-.724	0	%100
35	M54	X	.75	.75	0	%100
36	M54	Z	-.433	-.433	0	%100
37	M57	X	.902	.902	0	%100
38	M57	Z	-.521	-.521	0	%100
39	M58	X	2.697	2.697	0	%100
40	M58	Z	-1.557	-1.557	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	MP1A	X	3.879	3.879	0	%100
2	MP1A	Z	0	0	0	%100
3	RRH1	X	2.715	2.715	0	%100
4	RRH1	Z	0	0	0	%100
5	M7A	X	1.035	1.035	0	%100
6	M7A	Z	0	0	0	%100
7	M8A	X	1.035	1.035	0	%100
8	M8A	Z	0	0	0	%100
9	M17	X	1.035	1.035	0	%100
10	M17	Z	0	0	0	%100
11	M18	X	1.035	1.035	0	%100
12	M18	Z	0	0	0	%100
13	M23	X	1.114	1.114	0	%100
14	M23	Z	0	0	0	%100
15	M25	X	1.155	1.155	0	%100
16	M25	Z	0	0	0	%100
17	M28A	X	.576	.576	0	%100
18	M28A	Z	0	0	0	%100
19	M29	X	.303	.303	0	%100
20	M29	Z	0	0	0	%100
21	MP2A	X	3.879	3.879	0	%100
22	MP2A	Z	0	0	0	%100
23	RRH2	X	2.715	2.715	0	%100
24	RRH2	Z	0	0	0	%100
25	M36	X	1.035	1.035	0	%100
26	M36	Z	0	0	0	%100
27	M37	X	1.035	1.035	0	%100
28	M37	Z	0	0	0	%100
29	M46	X	1.035	1.035	0	%100
30	M46	Z	0	0	0	%100
31	M47	X	1.035	1.035	0	%100
32	M47	Z	0	0	0	%100
33	M52	X	1.114	1.114	0	%100
34	M52	Z	0	0	0	%100
35	M54	X	1.155	1.155	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
36	M54	Z	0	0	0	%100
37	M57	X	.774	.774	0	%100
38	M57	Z	0	0	0	%100
39	M58	X	1.353	1.353	0	%100
40	M58	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	MP1A	X	3.359	3.359	0	%100
2	MP1A	Z	1.939	1.939	0	%100
3	RRH1	X	2.352	2.352	0	%100
4	RRH1	Z	1.358	1.358	0	%100
5	M7A	X	.672	.672	0	%100
6	M7A	Z	.388	.388	0	%100
7	M8A	X	.672	.672	0	%100
8	M8A	Z	.388	.388	0	%100
9	M17	X	.672	.672	0	%100
10	M17	Z	.388	.388	0	%100
11	M18	X	.672	.672	0	%100
12	M18	Z	.388	.388	0	%100
13	M23	X	1.254	1.254	0	%100
14	M23	Z	.724	.724	0	%100
15	M25	X	.75	.75	0	%100
16	M25	Z	.433	.433	0	%100
17	M28A	X	2.022	2.022	0	%100
18	M28A	Z	1.168	1.168	0	%100
19	M29	X	.738	.738	0	%100
20	M29	Z	.426	.426	0	%100
21	MP2A	X	3.359	3.359	0	%100
22	MP2A	Z	1.939	1.939	0	%100
23	RRH2	X	2.352	2.352	0	%100
24	RRH2	Z	1.358	1.358	0	%100
25	M36	X	.672	.672	0	%100
26	M36	Z	.388	.388	0	%100
27	M37	X	.672	.672	0	%100
28	M37	Z	.388	.388	0	%100
29	M46	X	.672	.672	0	%100
30	M46	Z	.388	.388	0	%100
31	M47	X	.672	.672	0	%100
32	M47	Z	.388	.388	0	%100
33	M52	X	1.254	1.254	0	%100
34	M52	Z	.724	.724	0	%100
35	M54	X	.75	.75	0	%100
36	M54	Z	.433	.433	0	%100
37	M57	X	2.219	2.219	0	%100
38	M57	Z	1.281	1.281	0	%100
39	M58	X	.842	.842	0	%100
40	M58	Z	.486	.486	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	MP1A	X	1.939	1.939	0	%100
2	MP1A	Z	3.359	3.359	0	%100
3	RRH1	X	1.358	1.358	0	%100
4	RRH1	Z	2.352	2.352	0	%100
5	M7A	X	.129	.129	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
6	M7A	Z	.224	.224	0	%100
7	M8A	X	.129	.129	0	%100
8	M8A	Z	.224	.224	0	%100
9	M17	X	.129	.129	0	%100
10	M17	Z	.224	.224	0	%100
11	M18	X	.129	.129	0	%100
12	M18	Z	.224	.224	0	%100
13	M23	X	1.058	1.058	0	%100
14	M23	Z	1.833	1.833	0	%100
15	M25	X	.144	.144	0	%100
16	M25	Z	.25	.25	0	%100
17	M28A	X	2.257	2.257	0	%100
18	M28A	Z	3.909	3.909	0	%100
19	M29	X	1.59	1.59	0	%100
20	M29	Z	2.754	2.754	0	%100
21	MP2A	X	1.939	1.939	0	%100
22	MP2A	Z	3.359	3.359	0	%100
23	RRH2	X	1.358	1.358	0	%100
24	RRH2	Z	2.352	2.352	0	%100
25	M36	X	.129	.129	0	%100
26	M36	Z	.224	.224	0	%100
27	M37	X	.129	.129	0	%100
28	M37	Z	.224	.224	0	%100
29	M46	X	.129	.129	0	%100
30	M46	Z	.224	.224	0	%100
31	M47	X	.129	.129	0	%100
32	M47	Z	.224	.224	0	%100
33	M52	X	1.058	1.058	0	%100
34	M52	Z	1.833	1.833	0	%100
35	M54	X	.144	.144	0	%100
36	M54	Z	.25	.25	0	%100
37	M57	X	2.309	2.309	0	%100
38	M57	Z	3.999	3.999	0	%100
39	M58	X	1.176	1.176	0	%100
40	M58	Z	2.037	2.037	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	MP1A	X	0	0	0	%100
2	MP1A	Z	3.879	3.879	0	%100
3	RRH1	X	0	0	0	%100
4	RRH1	Z	2.715	2.715	0	%100
5	M7A	X	0	0	0	%100
6	M7A	Z	0	0	0	%100
7	M8A	X	0	0	0	%100
8	M8A	Z	0	0	0	%100
9	M17	X	0	0	0	%100
10	M17	Z	0	0	0	%100
11	M18	X	0	0	0	%100
12	M18	Z	0	0	0	%100
13	M23	X	0	0	0	%100
14	M23	Z	2.451	2.451	0	%100
15	M25	X	0	0	0	%100
16	M25	Z	0	0	0	%100
17	M28A	X	0	0	0	%100
18	M28A	Z	4.931	4.931	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
19	M29	X	0	0	0	%100
20	M29	Z	4.959	4.959	0	%100
21	MP2A	X	0	0	0	%100
22	MP2A	Z	3.879	3.879	0	%100
23	RRH2	X	0	0	0	%100
24	RRH2	Z	2.715	2.715	0	%100
25	M36	X	0	0	0	%100
26	M36	Z	0	0	0	%100
27	M37	X	0	0	0	%100
28	M37	Z	0	0	0	%100
29	M46	X	0	0	0	%100
30	M46	Z	0	0	0	%100
31	M47	X	0	0	0	%100
32	M47	Z	0	0	0	%100
33	M52	X	0	0	0	%100
34	M52	Z	2.451	2.451	0	%100
35	M54	X	0	0	0	%100
36	M54	Z	0	0	0	%100
37	M57	X	0	0	0	%100
38	M57	Z	4.885	4.885	0	%100
39	M58	X	0	0	0	%100
40	M58	Z	4.112	4.112	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	MP1A	X	-1.939	-1.939	0	%100
2	MP1A	Z	3.359	3.359	0	%100
3	RRH1	X	-1.358	-1.358	0	%100
4	RRH1	Z	2.352	2.352	0	%100
5	M7A	X	-.129	-.129	0	%100
6	M7A	Z	.224	.224	0	%100
7	M8A	X	-.129	-.129	0	%100
8	M8A	Z	.224	.224	0	%100
9	M17	X	-.129	-.129	0	%100
10	M17	Z	.224	.224	0	%100
11	M18	X	-.129	-.129	0	%100
12	M18	Z	.224	.224	0	%100
13	M23	X	-1.058	-1.058	0	%100
14	M23	Z	1.833	1.833	0	%100
15	M25	X	-.144	-.144	0	%100
16	M25	Z	.25	.25	0	%100
17	M28A	X	-1.586	-1.586	0	%100
18	M28A	Z	2.747	2.747	0	%100
19	M29	X	-2.205	-2.205	0	%100
20	M29	Z	3.819	3.819	0	%100
21	MP2A	X	-1.939	-1.939	0	%100
22	MP2A	Z	3.359	3.359	0	%100
23	RRH2	X	-1.358	-1.358	0	%100
24	RRH2	Z	2.352	2.352	0	%100
25	M36	X	-.129	-.129	0	%100
26	M36	Z	.224	.224	0	%100
27	M37	X	-.129	-.129	0	%100
28	M37	Z	.224	.224	0	%100
29	M46	X	-.129	-.129	0	%100
30	M46	Z	.224	.224	0	%100
31	M47	X	-.129	-.129	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
32	M47	Z	.224	.224	0	%100
33	M52	X	-1.058	-1.058	0	%100
34	M52	Z	1.833	1.833	0	%100
35	M54	X	-.144	-.144	0	%100
36	M54	Z	.25	.25	0	%100
37	M57	X	-1.548	-1.548	0	%100
38	M57	Z	2.682	2.682	0	%100
39	M58	X	-2.247	-2.247	0	%100
40	M58	Z	3.892	3.892	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	MP1A	X	-3.359	-3.359	0	%100
2	MP1A	Z	1.939	1.939	0	%100
3	RRH1	X	-2.352	-2.352	0	%100
4	RRH1	Z	1.358	1.358	0	%100
5	M7A	X	-.672	-.672	0	%100
6	M7A	Z	.388	.388	0	%100
7	M8A	X	-.672	-.672	0	%100
8	M8A	Z	.388	.388	0	%100
9	M17	X	-.672	-.672	0	%100
10	M17	Z	.388	.388	0	%100
11	M18	X	-.672	-.672	0	%100
12	M18	Z	.388	.388	0	%100
13	M23	X	-1.254	-1.254	0	%100
14	M23	Z	.724	.724	0	%100
15	M25	X	-.75	-.75	0	%100
16	M25	Z	.433	.433	0	%100
17	M28A	X	-.86	-.86	0	%100
18	M28A	Z	.497	.497	0	%100
19	M29	X	-1.803	-1.803	0	%100
20	M29	Z	1.041	1.041	0	%100
21	MP2A	X	-3.359	-3.359	0	%100
22	MP2A	Z	1.939	1.939	0	%100
23	RRH2	X	-2.352	-2.352	0	%100
24	RRH2	Z	1.358	1.358	0	%100
25	M36	X	-.672	-.672	0	%100
26	M36	Z	.388	.388	0	%100
27	M37	X	-.672	-.672	0	%100
28	M37	Z	.388	.388	0	%100
29	M46	X	-.672	-.672	0	%100
30	M46	Z	.388	.388	0	%100
31	M47	X	-.672	-.672	0	%100
32	M47	Z	.388	.388	0	%100
33	M52	X	-1.254	-1.254	0	%100
34	M52	Z	.724	.724	0	%100
35	M54	X	-.75	-.75	0	%100
36	M54	Z	.433	.433	0	%100
37	M57	X	-.902	-.902	0	%100
38	M57	Z	.521	.521	0	%100
39	M58	X	-2.697	-2.697	0	%100
40	M58	Z	1.557	1.557	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	MP1A	X	-3.879	-3.879	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
2	MP1A	Z	0	0	0	%100
3	RRH1	X	-2.715	-2.715	0	%100
4	RRH1	Z	0	0	0	%100
5	M7A	X	-1.035	-1.035	0	%100
6	M7A	Z	0	0	0	%100
7	M8A	X	-1.035	-1.035	0	%100
8	M8A	Z	0	0	0	%100
9	M17	X	-1.035	-1.035	0	%100
10	M17	Z	0	0	0	%100
11	M18	X	-1.035	-1.035	0	%100
12	M18	Z	0	0	0	%100
13	M23	X	-1.114	-1.114	0	%100
14	M23	Z	0	0	0	%100
15	M25	X	-1.155	-1.155	0	%100
16	M25	Z	0	0	0	%100
17	M28A	X	-.576	-.576	0	%100
18	M28A	Z	0	0	0	%100
19	M29	X	-.303	-.303	0	%100
20	M29	Z	0	0	0	%100
21	MP2A	X	-3.879	-3.879	0	%100
22	MP2A	Z	0	0	0	%100
23	RRH2	X	-2.715	-2.715	0	%100
24	RRH2	Z	0	0	0	%100
25	M36	X	-1.035	-1.035	0	%100
26	M36	Z	0	0	0	%100
27	M37	X	-1.035	-1.035	0	%100
28	M37	Z	0	0	0	%100
29	M46	X	-1.035	-1.035	0	%100
30	M46	Z	0	0	0	%100
31	M47	X	-1.035	-1.035	0	%100
32	M47	Z	0	0	0	%100
33	M52	X	-1.114	-1.114	0	%100
34	M52	Z	0	0	0	%100
35	M54	X	-1.155	-1.155	0	%100
36	M54	Z	0	0	0	%100
37	M57	X	-.774	-.774	0	%100
38	M57	Z	0	0	0	%100
39	M58	X	-1.353	-1.353	0	%100
40	M58	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	MP1A	X	-3.359	-3.359	0	%100
2	MP1A	Z	-1.939	-1.939	0	%100
3	RRH1	X	-2.352	-2.352	0	%100
4	RRH1	Z	-1.358	-1.358	0	%100
5	M7A	X	-.672	-.672	0	%100
6	M7A	Z	-.388	-.388	0	%100
7	M8A	X	-.672	-.672	0	%100
8	M8A	Z	-.388	-.388	0	%100
9	M17	X	-.672	-.672	0	%100
10	M17	Z	-.388	-.388	0	%100
11	M18	X	-.672	-.672	0	%100
12	M18	Z	-.388	-.388	0	%100
13	M23	X	-1.254	-1.254	0	%100
14	M23	Z	-.724	-.724	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
15	M25	X	-.75	-.75	0	%100
16	M25	Z	-.433	-.433	0	%100
17	M28A	X	-2.022	-2.022	0	%100
18	M28A	Z	-1.168	-1.168	0	%100
19	M29	X	-.738	-.738	0	%100
20	M29	Z	-.426	-.426	0	%100
21	MP2A	X	-3.359	-3.359	0	%100
22	MP2A	Z	-1.939	-1.939	0	%100
23	RRH2	X	-2.352	-2.352	0	%100
24	RRH2	Z	-1.358	-1.358	0	%100
25	M36	X	-.672	-.672	0	%100
26	M36	Z	-.388	-.388	0	%100
27	M37	X	-.672	-.672	0	%100
28	M37	Z	-.388	-.388	0	%100
29	M46	X	-.672	-.672	0	%100
30	M46	Z	-.388	-.388	0	%100
31	M47	X	-.672	-.672	0	%100
32	M47	Z	-.388	-.388	0	%100
33	M52	X	-1.254	-1.254	0	%100
34	M52	Z	-.724	-.724	0	%100
35	M54	X	-.75	-.75	0	%100
36	M54	Z	-.433	-.433	0	%100
37	M57	X	-2.219	-2.219	0	%100
38	M57	Z	-1.281	-1.281	0	%100
39	M58	X	-.842	-.842	0	%100
40	M58	Z	-.486	-.486	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	MP1A	X	-1.939	-1.939	0	%100
2	MP1A	Z	-3.359	-3.359	0	%100
3	RRH1	X	-1.358	-1.358	0	%100
4	RRH1	Z	-2.352	-2.352	0	%100
5	M7A	X	-.129	-.129	0	%100
6	M7A	Z	-.224	-.224	0	%100
7	M8A	X	-.129	-.129	0	%100
8	M8A	Z	-.224	-.224	0	%100
9	M17	X	-.129	-.129	0	%100
10	M17	Z	-.224	-.224	0	%100
11	M18	X	-.129	-.129	0	%100
12	M18	Z	-.224	-.224	0	%100
13	M23	X	-1.058	-1.058	0	%100
14	M23	Z	-1.833	-1.833	0	%100
15	M25	X	-.144	-.144	0	%100
16	M25	Z	-.25	-.25	0	%100
17	M28A	X	-2.257	-2.257	0	%100
18	M28A	Z	-3.909	-3.909	0	%100
19	M29	X	-1.59	-1.59	0	%100
20	M29	Z	-2.754	-2.754	0	%100
21	MP2A	X	-1.939	-1.939	0	%100
22	MP2A	Z	-3.359	-3.359	0	%100
23	RRH2	X	-1.358	-1.358	0	%100
24	RRH2	Z	-2.352	-2.352	0	%100
25	M36	X	-.129	-.129	0	%100
26	M36	Z	-.224	-.224	0	%100
27	M37	X	-.129	-.129	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
28	M37	Z	-.224	-.224	0	%100
29	M46	X	-.129	-.129	0	%100
30	M46	Z	-.224	-.224	0	%100
31	M47	X	-.129	-.129	0	%100
32	M47	Z	-.224	-.224	0	%100
33	M52	X	-1.058	-1.058	0	%100
34	M52	Z	-1.833	-1.833	0	%100
35	M54	X	-.144	-.144	0	%100
36	M54	Z	-.25	-.25	0	%100
37	M57	X	-2.309	-2.309	0	%100
38	M57	Z	-3.999	-3.999	0	%100
39	M58	X	-1.176	-1.176	0	%100
40	M58	Z	-2.037	-2.037	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	MP1A	X	0	0	0	%100
2	MP1A	Z	-.781	-.781	0	%100
3	RRH1	X	0	0	0	%100
4	RRH1	Z	-.468	-.468	0	%100
5	M7A	X	0	0	0	%100
6	M7A	Z	0	0	0	%100
7	M8A	X	0	0	0	%100
8	M8A	Z	0	0	0	%100
9	M17	X	0	0	0	%100
10	M17	Z	0	0	0	%100
11	M18	X	0	0	0	%100
12	M18	Z	0	0	0	%100
13	M23	X	0	0	0	%100
14	M23	Z	-.775	-.775	0	%100
15	M25	X	0	0	0	%100
16	M25	Z	0	0	0	%100
17	M28A	X	0	0	0	%100
18	M28A	Z	-1.279	-1.279	0	%100
19	M29	X	0	0	0	%100
20	M29	Z	-1.286	-1.286	0	%100
21	MP2A	X	0	0	0	%100
22	MP2A	Z	-.781	-.781	0	%100
23	RRH2	X	0	0	0	%100
24	RRH2	Z	-.468	-.468	0	%100
25	M36	X	0	0	0	%100
26	M36	Z	0	0	0	%100
27	M37	X	0	0	0	%100
28	M37	Z	0	0	0	%100
29	M46	X	0	0	0	%100
30	M46	Z	0	0	0	%100
31	M47	X	0	0	0	%100
32	M47	Z	0	0	0	%100
33	M52	X	0	0	0	%100
34	M52	Z	-.775	-.775	0	%100
35	M54	X	0	0	0	%100
36	M54	Z	0	0	0	%100
37	M57	X	0	0	0	%100
38	M57	Z	-1.267	-1.267	0	%100
39	M58	X	0	0	0	%100
40	M58	Z	-1.024	-1.024	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	MP1A	X	.391	.391	0	%100
2	MP1A	Z	-.677	-.677	0	%100
3	RRH1	X	.234	.234	0	%100
4	RRH1	Z	-.405	-.405	0	%100
5	M7A	X	.009	.009	0	%100
6	M7A	Z	-.016	-.016	0	%100
7	M8A	X	.009	.009	0	%100
8	M8A	Z	-.016	-.016	0	%100
9	M17	X	.009	.009	0	%100
10	M17	Z	-.016	-.016	0	%100
11	M18	X	.009	.009	0	%100
12	M18	Z	-.016	-.016	0	%100
13	M23	X	.304	.304	0	%100
14	M23	Z	-.526	-.526	0	%100
15	M25	X	.012	.012	0	%100
16	M25	Z	-.021	-.021	0	%100
17	M28A	X	.411	.411	0	%100
18	M28A	Z	-.713	-.713	0	%100
19	M29	X	.572	.572	0	%100
20	M29	Z	-.991	-.991	0	%100
21	MP2A	X	.391	.391	0	%100
22	MP2A	Z	-.677	-.677	0	%100
23	RRH2	X	.234	.234	0	%100
24	RRH2	Z	-.405	-.405	0	%100
25	M36	X	.009	.009	0	%100
26	M36	Z	-.016	-.016	0	%100
27	M37	X	.009	.009	0	%100
28	M37	Z	-.016	-.016	0	%100
29	M46	X	.009	.009	0	%100
30	M46	Z	-.016	-.016	0	%100
31	M47	X	.009	.009	0	%100
32	M47	Z	-.016	-.016	0	%100
33	M52	X	.304	.304	0	%100
34	M52	Z	-.526	-.526	0	%100
35	M54	X	.012	.012	0	%100
36	M54	Z	-.021	-.021	0	%100
37	M57	X	.402	.402	0	%100
38	M57	Z	-.696	-.696	0	%100
39	M58	X	.559	.559	0	%100
40	M58	Z	-.969	-.969	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	MP1A	X	.677	.677	0	%100
2	MP1A	Z	-.391	-.391	0	%100
3	RRH1	X	.405	.405	0	%100
4	RRH1	Z	-.234	-.234	0	%100
5	M7A	X	.049	.049	0	%100
6	M7A	Z	-.028	-.028	0	%100
7	M8A	X	.049	.049	0	%100
8	M8A	Z	-.028	-.028	0	%100
9	M17	X	.049	.049	0	%100
10	M17	Z	-.028	-.028	0	%100
11	M18	X	.049	.049	0	%100
12	M18	Z	-.028	-.028	0	%100
13	M23	X	.235	.235	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
14	M23	Z	-.136	-.136	0	%100
15	M25	X	.064	.064	0	%100
16	M25	Z	-.037	-.037	0	%100
17	M28A	X	.223	.223	0	%100
18	M28A	Z	-.129	-.129	0	%100
19	M29	X	.468	.468	0	%100
20	M29	Z	-.27	-.27	0	%100
21	MP2A	X	.677	.677	0	%100
22	MP2A	Z	-.391	-.391	0	%100
23	RRH2	X	.405	.405	0	%100
24	RRH2	Z	-.234	-.234	0	%100
25	M36	X	.049	.049	0	%100
26	M36	Z	-.028	-.028	0	%100
27	M37	X	.049	.049	0	%100
28	M37	Z	-.028	-.028	0	%100
29	M46	X	.049	.049	0	%100
30	M46	Z	-.028	-.028	0	%100
31	M47	X	.049	.049	0	%100
32	M47	Z	-.028	-.028	0	%100
33	M52	X	.235	.235	0	%100
34	M52	Z	-.136	-.136	0	%100
35	M54	X	.064	.064	0	%100
36	M54	Z	-.037	-.037	0	%100
37	M57	X	.234	.234	0	%100
38	M57	Z	-.135	-.135	0	%100
39	M58	X	.671	.671	0	%100
40	M58	Z	-.388	-.388	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	MP1A	X	.781	.781	0	%100
2	MP1A	Z	0	0	0	%100
3	RRH1	X	.468	.468	0	%100
4	RRH1	Z	0	0	0	%100
5	M7A	X	.075	.075	0	%100
6	M7A	Z	0	0	0	%100
7	M8A	X	.075	.075	0	%100
8	M8A	Z	0	0	0	%100
9	M17	X	.075	.075	0	%100
10	M17	Z	0	0	0	%100
11	M18	X	.075	.075	0	%100
12	M18	Z	0	0	0	%100
13	M23	X	.104	.104	0	%100
14	M23	Z	0	0	0	%100
15	M25	X	.099	.099	0	%100
16	M25	Z	0	0	0	%100
17	M28A	X	.149	.149	0	%100
18	M28A	Z	0	0	0	%100
19	M29	X	.079	.079	0	%100
20	M29	Z	0	0	0	%100
21	MP2A	X	.781	.781	0	%100
22	MP2A	Z	0	0	0	%100
23	RRH2	X	.468	.468	0	%100
24	RRH2	Z	0	0	0	%100
25	M36	X	.075	.075	0	%100
26	M36	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
27	M37	X	.075	.075	0	%100
28	M37	Z	0	0	0	%100
29	M46	X	.075	.075	0	%100
30	M46	Z	0	0	0	%100
31	M47	X	.075	.075	0	%100
32	M47	Z	0	0	0	%100
33	M52	X	.104	.104	0	%100
34	M52	Z	0	0	0	%100
35	M54	X	.099	.099	0	%100
36	M54	Z	0	0	0	%100
37	M57	X	.201	.201	0	%100
38	M57	Z	0	0	0	%100
39	M58	X	.337	.337	0	%100
40	M58	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	MP1A	X	.677	.677	0	%100
2	MP1A	Z	.391	.391	0	%100
3	RRH1	X	.405	.405	0	%100
4	RRH1	Z	.234	.234	0	%100
5	M7A	X	.049	.049	0	%100
6	M7A	Z	.028	.028	0	%100
7	M8A	X	.049	.049	0	%100
8	M8A	Z	.028	.028	0	%100
9	M17	X	.049	.049	0	%100
10	M17	Z	.028	.028	0	%100
11	M18	X	.049	.049	0	%100
12	M18	Z	.028	.028	0	%100
13	M23	X	.235	.235	0	%100
14	M23	Z	.136	.136	0	%100
15	M25	X	.064	.064	0	%100
16	M25	Z	.037	.037	0	%100
17	M28A	X	.525	.525	0	%100
18	M28A	Z	.303	.303	0	%100
19	M29	X	.191	.191	0	%100
20	M29	Z	.11	.11	0	%100
21	MP2A	X	.677	.677	0	%100
22	MP2A	Z	.391	.391	0	%100
23	RRH2	X	.405	.405	0	%100
24	RRH2	Z	.234	.234	0	%100
25	M36	X	.049	.049	0	%100
26	M36	Z	.028	.028	0	%100
27	M37	X	.049	.049	0	%100
28	M37	Z	.028	.028	0	%100
29	M46	X	.049	.049	0	%100
30	M46	Z	.028	.028	0	%100
31	M47	X	.049	.049	0	%100
32	M47	Z	.028	.028	0	%100
33	M52	X	.235	.235	0	%100
34	M52	Z	.136	.136	0	%100
35	M54	X	.064	.064	0	%100
36	M54	Z	.037	.037	0	%100
37	M57	X	.576	.576	0	%100
38	M57	Z	.332	.332	0	%100
39	M58	X	.21	.21	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
40	M58	Z	.121	.121	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	MP1A	X	.391	.391	0	%100
2	MP1A	Z	.677	.677	0	%100
3	RRH1	X	.234	.234	0	%100
4	RRH1	Z	.405	.405	0	%100
5	M7A	X	.009	.009	0	%100
6	M7A	Z	.016	.016	0	%100
7	M8A	X	.009	.009	0	%100
8	M8A	Z	.016	.016	0	%100
9	M17	X	.009	.009	0	%100
10	M17	Z	.016	.016	0	%100
11	M18	X	.009	.009	0	%100
12	M18	Z	.016	.016	0	%100
13	M23	X	.304	.304	0	%100
14	M23	Z	.526	.526	0	%100
15	M25	X	.012	.012	0	%100
16	M25	Z	.021	.021	0	%100
17	M28A	X	.585	.585	0	%100
18	M28A	Z	1.014	1.014	0	%100
19	M29	X	.412	.412	0	%100
20	M29	Z	.714	.714	0	%100
21	MP2A	X	.391	.391	0	%100
22	MP2A	Z	.677	.677	0	%100
23	RRH2	X	.234	.234	0	%100
24	RRH2	Z	.405	.405	0	%100
25	M36	X	.009	.009	0	%100
26	M36	Z	.016	.016	0	%100
27	M37	X	.009	.009	0	%100
28	M37	Z	.016	.016	0	%100
29	M46	X	.009	.009	0	%100
30	M46	Z	.016	.016	0	%100
31	M47	X	.009	.009	0	%100
32	M47	Z	.016	.016	0	%100
33	M52	X	.304	.304	0	%100
34	M52	Z	.526	.526	0	%100
35	M54	X	.012	.012	0	%100
36	M54	Z	.021	.021	0	%100
37	M57	X	.599	.599	0	%100
38	M57	Z	1.037	1.037	0	%100
39	M58	X	.293	.293	0	%100
40	M58	Z	.507	.507	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	MP1A	X	0	0	0	%100
2	MP1A	Z	.781	.781	0	%100
3	RRH1	X	0	0	0	%100
4	RRH1	Z	.468	.468	0	%100
5	M7A	X	0	0	0	%100
6	M7A	Z	0	0	0	%100
7	M8A	X	0	0	0	%100
8	M8A	Z	0	0	0	%100
9	M17	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
10	M17	Z	0	0	0	%100
11	M18	X	0	0	0	%100
12	M18	Z	0	0	0	%100
13	M23	X	0	0	0	%100
14	M23	Z	.775	.775	0	%100
15	M25	X	0	0	0	%100
16	M25	Z	0	0	0	%100
17	M28A	X	0	0	0	%100
18	M28A	Z	1.279	1.279	0	%100
19	M29	X	0	0	0	%100
20	M29	Z	1.286	1.286	0	%100
21	MP2A	X	0	0	0	%100
22	MP2A	Z	.781	.781	0	%100
23	RRH2	X	0	0	0	%100
24	RRH2	Z	.468	.468	0	%100
25	M36	X	0	0	0	%100
26	M36	Z	0	0	0	%100
27	M37	X	0	0	0	%100
28	M37	Z	0	0	0	%100
29	M46	X	0	0	0	%100
30	M46	Z	0	0	0	%100
31	M47	X	0	0	0	%100
32	M47	Z	0	0	0	%100
33	M52	X	0	0	0	%100
34	M52	Z	.775	.775	0	%100
35	M54	X	0	0	0	%100
36	M54	Z	0	0	0	%100
37	M57	X	0	0	0	%100
38	M57	Z	1.267	1.267	0	%100
39	M58	X	0	0	0	%100
40	M58	Z	1.024	1.024	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	MP1A	X	-.391	-.391	0	%100
2	MP1A	Z	.677	.677	0	%100
3	RRH1	X	-.234	-.234	0	%100
4	RRH1	Z	.405	.405	0	%100
5	M7A	X	-.009	-.009	0	%100
6	M7A	Z	.016	.016	0	%100
7	M8A	X	-.009	-.009	0	%100
8	M8A	Z	.016	.016	0	%100
9	M17	X	-.009	-.009	0	%100
10	M17	Z	.016	.016	0	%100
11	M18	X	-.009	-.009	0	%100
12	M18	Z	.016	.016	0	%100
13	M23	X	-.304	-.304	0	%100
14	M23	Z	.526	.526	0	%100
15	M25	X	-.012	-.012	0	%100
16	M25	Z	.021	.021	0	%100
17	M28A	X	-.411	-.411	0	%100
18	M28A	Z	.713	.713	0	%100
19	M29	X	-.572	-.572	0	%100
20	M29	Z	.991	.991	0	%100
21	MP2A	X	-.391	-.391	0	%100
22	MP2A	Z	.677	.677	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
23	RRH2	X	-.234	-.234	0	%100
24	RRH2	Z	.405	.405	0	%100
25	M36	X	-.009	-.009	0	%100
26	M36	Z	.016	.016	0	%100
27	M37	X	-.009	-.009	0	%100
28	M37	Z	.016	.016	0	%100
29	M46	X	-.009	-.009	0	%100
30	M46	Z	.016	.016	0	%100
31	M47	X	-.009	-.009	0	%100
32	M47	Z	.016	.016	0	%100
33	M52	X	-.304	-.304	0	%100
34	M52	Z	.526	.526	0	%100
35	M54	X	-.012	-.012	0	%100
36	M54	Z	.021	.021	0	%100
37	M57	X	-.402	-.402	0	%100
38	M57	Z	.696	.696	0	%100
39	M58	X	-.559	-.559	0	%100
40	M58	Z	.969	.969	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	MP1A	X	-.677	-.677	0	%100
2	MP1A	Z	.391	.391	0	%100
3	RRH1	X	-.405	-.405	0	%100
4	RRH1	Z	.234	.234	0	%100
5	M7A	X	-.049	-.049	0	%100
6	M7A	Z	.028	.028	0	%100
7	M8A	X	-.049	-.049	0	%100
8	M8A	Z	.028	.028	0	%100
9	M17	X	-.049	-.049	0	%100
10	M17	Z	.028	.028	0	%100
11	M18	X	-.049	-.049	0	%100
12	M18	Z	.028	.028	0	%100
13	M23	X	-.235	-.235	0	%100
14	M23	Z	.136	.136	0	%100
15	M25	X	-.064	-.064	0	%100
16	M25	Z	.037	.037	0	%100
17	M28A	X	-.223	-.223	0	%100
18	M28A	Z	.129	.129	0	%100
19	M29	X	-.468	-.468	0	%100
20	M29	Z	.27	.27	0	%100
21	MP2A	X	-.677	-.677	0	%100
22	MP2A	Z	.391	.391	0	%100
23	RRH2	X	-.405	-.405	0	%100
24	RRH2	Z	.234	.234	0	%100
25	M36	X	-.049	-.049	0	%100
26	M36	Z	.028	.028	0	%100
27	M37	X	-.049	-.049	0	%100
28	M37	Z	.028	.028	0	%100
29	M46	X	-.049	-.049	0	%100
30	M46	Z	.028	.028	0	%100
31	M47	X	-.049	-.049	0	%100
32	M47	Z	.028	.028	0	%100
33	M52	X	-.235	-.235	0	%100
34	M52	Z	.136	.136	0	%100
35	M54	X	-.064	-.064	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
36	M54	Z	.037	.037	0	%100
37	M57	X	-.234	-.234	0	%100
38	M57	Z	.135	.135	0	%100
39	M58	X	-.671	-.671	0	%100
40	M58	Z	.388	.388	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	MP1A	X	-.781	-.781	0	%100
2	MP1A	Z	0	0	0	%100
3	RRH1	X	-.468	-.468	0	%100
4	RRH1	Z	0	0	0	%100
5	M7A	X	-.075	-.075	0	%100
6	M7A	Z	0	0	0	%100
7	M8A	X	-.075	-.075	0	%100
8	M8A	Z	0	0	0	%100
9	M17	X	-.075	-.075	0	%100
10	M17	Z	0	0	0	%100
11	M18	X	-.075	-.075	0	%100
12	M18	Z	0	0	0	%100
13	M23	X	-.104	-.104	0	%100
14	M23	Z	0	0	0	%100
15	M25	X	-.099	-.099	0	%100
16	M25	Z	0	0	0	%100
17	M28A	X	-.149	-.149	0	%100
18	M28A	Z	0	0	0	%100
19	M29	X	-.079	-.079	0	%100
20	M29	Z	0	0	0	%100
21	MP2A	X	-.781	-.781	0	%100
22	MP2A	Z	0	0	0	%100
23	RRH2	X	-.468	-.468	0	%100
24	RRH2	Z	0	0	0	%100
25	M36	X	-.075	-.075	0	%100
26	M36	Z	0	0	0	%100
27	M37	X	-.075	-.075	0	%100
28	M37	Z	0	0	0	%100
29	M46	X	-.075	-.075	0	%100
30	M46	Z	0	0	0	%100
31	M47	X	-.075	-.075	0	%100
32	M47	Z	0	0	0	%100
33	M52	X	-.104	-.104	0	%100
34	M52	Z	0	0	0	%100
35	M54	X	-.099	-.099	0	%100
36	M54	Z	0	0	0	%100
37	M57	X	-.201	-.201	0	%100
38	M57	Z	0	0	0	%100
39	M58	X	-.337	-.337	0	%100
40	M58	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	MP1A	X	-.677	-.677	0	%100
2	MP1A	Z	-.391	-.391	0	%100
3	RRH1	X	-.405	-.405	0	%100
4	RRH1	Z	-.234	-.234	0	%100
5	M7A	X	-.049	-.049	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
6	M7A	Z	-.028	-.028	0	%100
7	M8A	X	-.049	-.049	0	%100
8	M8A	Z	-.028	-.028	0	%100
9	M17	X	-.049	-.049	0	%100
10	M17	Z	-.028	-.028	0	%100
11	M18	X	-.049	-.049	0	%100
12	M18	Z	-.028	-.028	0	%100
13	M23	X	-.235	-.235	0	%100
14	M23	Z	-.136	-.136	0	%100
15	M25	X	-.064	-.064	0	%100
16	M25	Z	-.037	-.037	0	%100
17	M28A	X	-.525	-.525	0	%100
18	M28A	Z	-.303	-.303	0	%100
19	M29	X	-.191	-.191	0	%100
20	M29	Z	-.11	-.11	0	%100
21	MP2A	X	-.677	-.677	0	%100
22	MP2A	Z	-.391	-.391	0	%100
23	RRH2	X	-.405	-.405	0	%100
24	RRH2	Z	-.234	-.234	0	%100
25	M36	X	-.049	-.049	0	%100
26	M36	Z	-.028	-.028	0	%100
27	M37	X	-.049	-.049	0	%100
28	M37	Z	-.028	-.028	0	%100
29	M46	X	-.049	-.049	0	%100
30	M46	Z	-.028	-.028	0	%100
31	M47	X	-.049	-.049	0	%100
32	M47	Z	-.028	-.028	0	%100
33	M52	X	-.235	-.235	0	%100
34	M52	Z	-.136	-.136	0	%100
35	M54	X	-.064	-.064	0	%100
36	M54	Z	-.037	-.037	0	%100
37	M57	X	-.576	-.576	0	%100
38	M57	Z	-.332	-.332	0	%100
39	M58	X	-.21	-.21	0	%100
40	M58	Z	-.121	-.121	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
1	MP1A	X	-.391	-.391	0	%100
2	MP1A	Z	-.677	-.677	0	%100
3	RRH1	X	-.234	-.234	0	%100
4	RRH1	Z	-.405	-.405	0	%100
5	M7A	X	-.009	-.009	0	%100
6	M7A	Z	-.016	-.016	0	%100
7	M8A	X	-.009	-.009	0	%100
8	M8A	Z	-.016	-.016	0	%100
9	M17	X	-.009	-.009	0	%100
10	M17	Z	-.016	-.016	0	%100
11	M18	X	-.009	-.009	0	%100
12	M18	Z	-.016	-.016	0	%100
13	M23	X	-.304	-.304	0	%100
14	M23	Z	-.526	-.526	0	%100
15	M25	X	-.012	-.012	0	%100
16	M25	Z	-.021	-.021	0	%100
17	M28A	X	-.585	-.585	0	%100
18	M28A	Z	-1.014	-1.014	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[in,%]	End Location[in,%]
19	M29	X	-.412	-.412	0	%100
20	M29	Z	-.714	-.714	0	%100
21	MP2A	X	-.391	-.391	0	%100
22	MP2A	Z	-.677	-.677	0	%100
23	RRH2	X	-.234	-.234	0	%100
24	RRH2	Z	-.405	-.405	0	%100
25	M36	X	-.009	-.009	0	%100
26	M36	Z	-.016	-.016	0	%100
27	M37	X	-.009	-.009	0	%100
28	M37	Z	-.016	-.016	0	%100
29	M46	X	-.009	-.009	0	%100
30	M46	Z	-.016	-.016	0	%100
31	M47	X	-.009	-.009	0	%100
32	M47	Z	-.016	-.016	0	%100
33	M52	X	-.304	-.304	0	%100
34	M52	Z	-.526	-.526	0	%100
35	M54	X	-.012	-.012	0	%100
36	M54	Z	-.021	-.021	0	%100
37	M57	X	-.599	-.599	0	%100
38	M57	Z	-1.037	-1.037	0	%100
39	M58	X	-.293	-.293	0	%100
40	M58	Z	-.507	-.507	0	%100

Member Area Loads

Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
No Data to Print ...						

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	N27	max	383.785	7	1975.496	7	369.736	1	.087	1	.044	9	.049	1
2		min	-374.81	1	-958.679	1	-428.082	7	-.175	7	-.044	3	-.051	7
3	N29	max	239.702	12	293.636	7	110.326	15	.06	1	.234	10	.009	7
4		min	-244.362	6	-198.116	1	8.891	5	-.088	7	-.234	4	-.009	1
5	N34A	max	1666.514	7	985.977	1	418.289	1	0	1	0	7	0	7
6		min	-1623.008	1	-922.196	7	-431.732	7	0	7	0	1	0	1
7	N36	max	1833.102	1	798.888	1	413.363	1	0	1	0	1	0	1
8		min	-1881.47	7	-718.87	7	-425.223	7	0	7	0	7	0	7
9	N62	max	200.794	7	3388.403	7	6.293	2	.179	1	.125	8	.056	8
10		min	-192.541	1	-1963.188	1	-69.962	20	-.302	7	-.123	2	-.056	2
11	N64	max	241.681	11	274.145	7	180.901	1	.05	1	.244	10	.005	7
12		min	-246.061	5	-155.851	1	-83.035	7	-.084	7	-.243	4	-.005	1
13	N69	max	1244.563	8	896.174	2	357.255	1	0	1	0	7	0	7
14		min	-1201.906	2	-851.376	8	-369.209	7	-.001	7	0	1	0	1
15	N70	max	1195.15	1	2055.755	1	829.175	1	0	9	0	9	0	9
16		min	-1240.79	7	-2088.919	7	-862.921	7	0	3	0	3	0	3
17	Totals:	max	1500.88	11	3109.969	13	2609.013	1						
18		min	-1500.88	5	1406.073	7	-2609.013	7						

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

	Member	Shape	Code Check	Loc[...	LC	Shear Check	Loc[in]	Dir	LC	phi*Pnc...	phi*Pnt ...	phi*Mn ...	phi*Mn ...	Cb	Eqn
1	MP1A	PIPE_4.0	.168	70.3...	7	.064	59.042		7	32419.8...	93240	10.631	10.631	2...	H1-1b
2	RRH1	PIPE_2.0	.232	23.25	7	.034	23.25		11	20866.7...	32130	1.872	1.872	1	H1-1b

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

	Member	Shape	Code Check	Loc[...	LC	Shear Check	Loc[in]	Dir	LC	phi*Pnc...	phi*Pnt ...	phi*Mn ...	phi*Mn ...	Cb	Eqn
3	M7A	SR_0.625	.138	0	24	.159	0		13	9807.123	9940.19	.104	.104	1...	H1-1b
4	M8A	SR_0.625	.139	0	13	.159	0		13	9807.123	9940.19	.104	.104	1...	H1-1b
5	M17	SR_0.625	.152	0	4	.167	0		20	9807.123	9940.19	.104	.104	1...	H1-1b
6	M18	SR_0.625	.152	0	10	.167	0		18	9807.123	9940.19	.104	.104	1...	H1-1b
7	M23	PL9/16x12	.226	2.5	7	.046	2.5	z	7	71990.99	72900	.853	2.16	1...	H1-1b
8	M25	PL1/2x10	.065	4	7	.009	4	y	7	112586....	162000	1.688	33.75	1...	H1-1b
9	M28A	L4X4X4	.241	69.0...	1	.008	0	y	7	14596.7...	62532	3.138	4.688	1...	H2-1
10	M29	L4X4X4	.318	77.7...	1	.007	152....	z	7	11525.4...	62532	3.138	4.436	1...	H2-1
11	MP2A	PIPE_4.0	.181	70.3...	7	.045	68.125		7	32419.8...	93240	10.631	10.631	3...	H1-1b
12	RRH2	PIPE_2.0	.232	23.25	7	.034	23.25		11	20866.7...	32130	1.872	1.872	1	H1-1b
13	M36	SR_0.625	.138	0	15	.157	0		13	9807.123	9940.19	.104	.104	1...	H1-1b
14	M37	SR_0.625	.138	0	14	.157	0		13	9807.123	9940.19	.104	.104	1...	H1-1b
15	M46	SR_0.625	.152	0	4	.166	0		21	9807.123	9940.19	.104	.104	1...	H1-1b
16	M47	SR_0.625	.152	0	10	.166	0		21	9807.123	9940.19	.104	.104	1...	H1-1b
17	M52	PL9/16x12	.415	2.5	7	.072	2.5	z	7	71990.99	72900	.853	2.16	1...	H1-1b
18	M54	PL1/2x10	.059	4	7	.006	12	y	6	112586....	162000	1.688	33.75	1...	H1-1b
19	M57	L4X4X4	.146	58.9...	1	.009	0	y	7	20030.6	62532	3.138	5.003	1...	H2-1
20	M58	L4X4X4	.082	35.5...	1	.004	69.68	z	2	40653.3...	62532	3.138	5.857	1...	H2-1

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

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

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

Base Requirements:

- Any special photos outside of the standard requirements will be indicated on the passing MA
- Verification that loading is as communicated in the Passing Mount Analysis. NOTE If loading is different than what is conveyed contact Maser Consulting Connecticut immediately.
- Each photo should be time and date stamped
- Photos should be high resolution and submitted in a Zip File and should be organized in the file structure as depicted in Schedule A attached.
- Contractor shall ensure that the safety climb wire rope is supported and not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope.
- The photos in the file structure should be uploaded to ***https://pmi.vzwsmart.com*** as depicted on the drawings

Photo Requirements:

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

These photos should also certify that the placement and geometry of the equipment on the mount is as depicted on the sketch and table in the mount analysis

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

Antenna & equipment placement and Geometry Confirmation:

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

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

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

Certifying Individual: Company _____

Name _____

Signature _____

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

Issue:

Contractor to confirm the proposed mount modifications are installed as intended in the referenced construction drawings.

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: 467460-VZW - East Norwalk CT

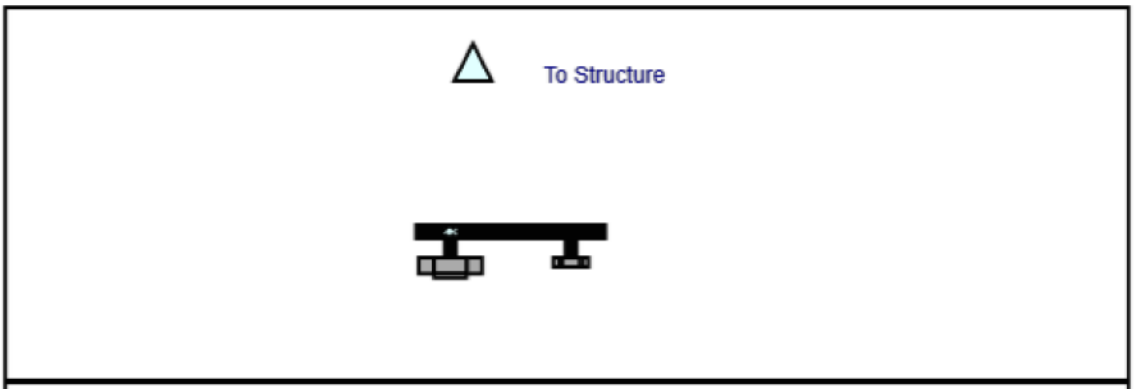
Sector: **A**

Structure Type: Water Tank

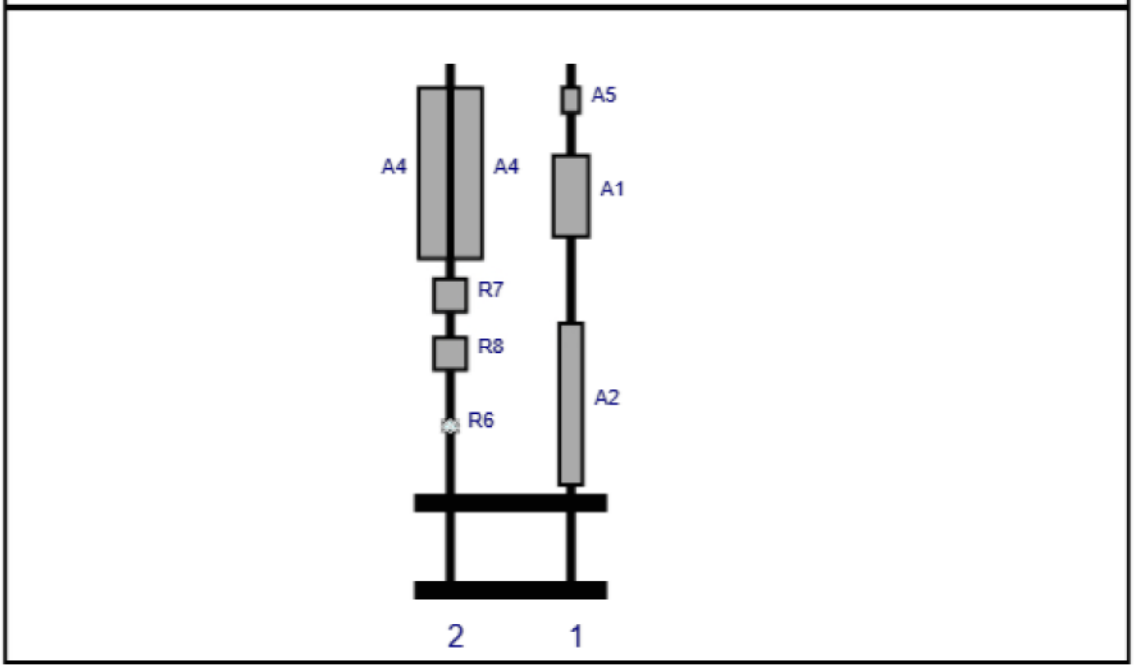
Mount Elev: 106.00

3/2/2021

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	VZS01	35.1	16.1	65	1	a	Front	54.6	0	Added	
A2	BXA-80063-6BF-EDIN-0	68.6	11.2	65	1	a	Front	141	0	Retained	
A5	XXDWMM-12.5-65-8T-CBRS	12.3	8.7	65	1	a	Front	15	0	Retained	
A4	JAHH-65B-R3B	72	13.8	15	2	a	Front	45	7	Retained	
A4	JAHH-65B-R3B	72	13.8	15	2	b	Front	45	-7	Retained	
R6	CBC78T-DS-43-2X	6.4	6.9	15	2	a	Behind	150	0	Retained	
R7	B2/B66A RRH-BR049	15	15	15	2	a	Front	96	0	Retained	
R8	B5/B13 RRH-BR04C	15	15	15	2	a	Front	120	0	Retained	

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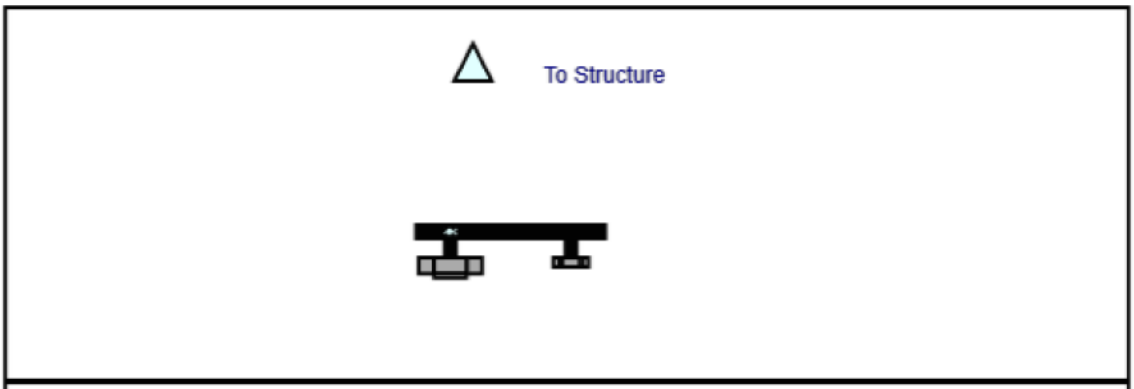
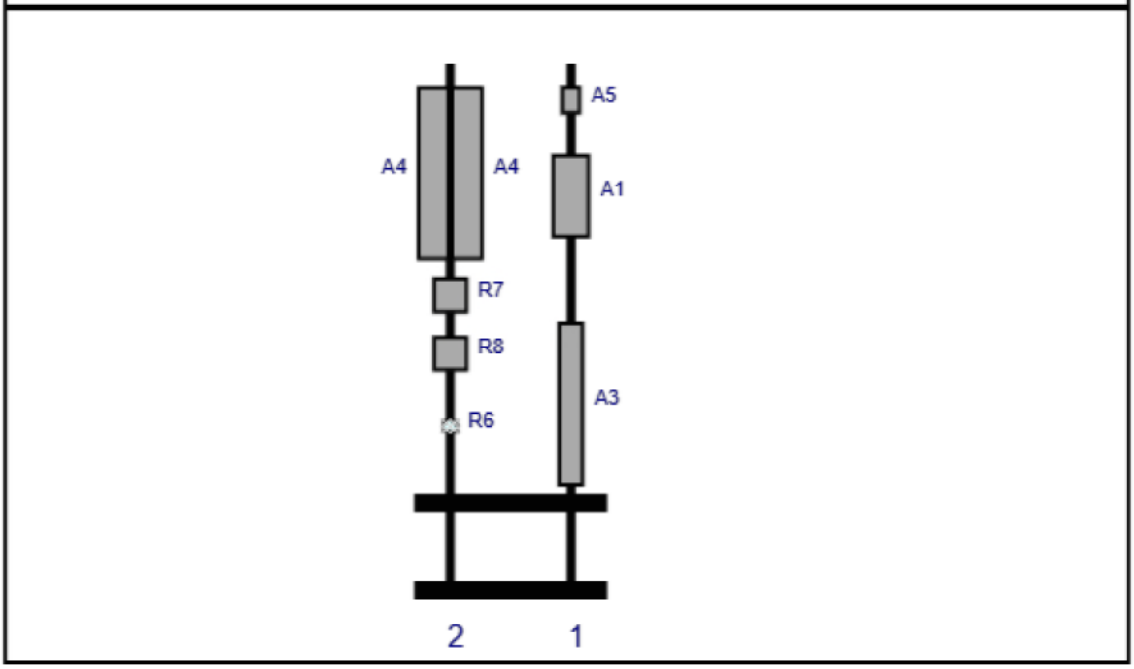
Sector: **B**
Structure Type: Water Tank
Mount Elev: 106.00

3/2/2021

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	VZS01	35.1	16.1	65	1	a	Front	54.6	0	Added	
A3	BXA-80063-6BF-EDIN-4	68.6	11.2	65	1	a	Front	141	0	Retained	
A5	XXDWMM-12.5-65-8T-CBRS	12.3	8.7	65	1	a	Front	15	0	Retained	
A4	JAHH-65B-R3B	72	13.8	15	2	a	Front	45	7	Retained	
A4	JAHH-65B-R3B	72	13.8	15	2	b	Front	45	-7	Retained	
R6	CBC78T-DS-43-2X	6.4	6.9	15	2	a	Behind	150	0	Retained	
R7	B2/B66A RRH-BR049	15	15	15	2	a	Front	96	0	Retained	
R8	B5/B13 RRH-BR04C	15	15	15	2	a	Front	120	0	Retained	

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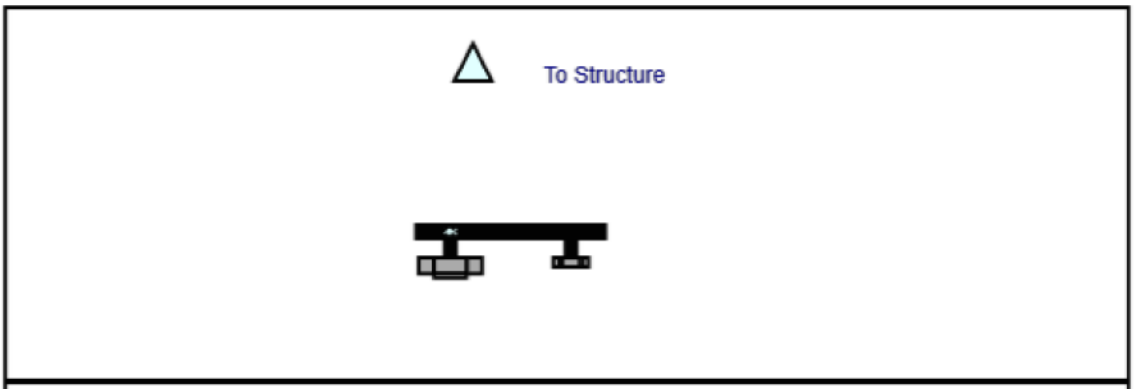
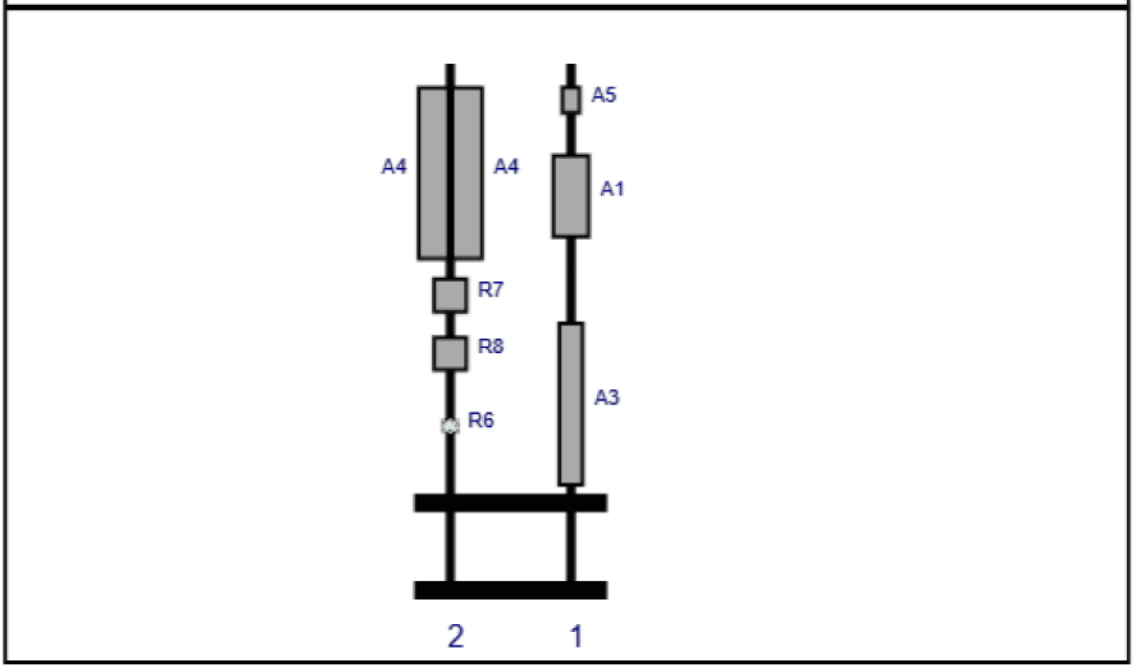
Sector: C
Structure Type: Water Tank
Mount Elev: 106.00

3/2/2021

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	VZS01	35.1	16.1	65	1	a	Front	54.6	0	Added	
A3	BXA-80063-6BF-EDIN-4	68.6	11.2	65	1	a	Front	141	0	Retained	
A5	XXDWMM-12.5-65-8T-CBRS	12.3	8.7	65	1	a	Front	15	0	Retained	
A4	JAHH-65B-R3B	72	13.8	15	2	a	Front	45	7	Retained	
A4	JAHH-65B-R3B	72	13.8	15	2	b	Front	45	-7	Retained	
R6	CBC78T-DS-43-2X	6.4	6.9	15	2	a	Behind	150	0	Retained	
R7	B2/B66A RRH-BR049	15	15	15	2	a	Front	96	0	Retained	
R8	B5/B13 RRH-BR04C	15	15	15	2	a	Front	120	0	Retained	

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Maser Consulting Connecticut

Subject	TIA-222-H Usage
Site Information	Site ID: 467460-VZW / E Norwalk CT Site Name: E Norwalk CT Carrier Name: Verizon Wireless Address: 1 Filbert St. Norwalk, Connecticut 06851 Fairfield County Latitude: 41.118430° Longitude: -73.396508°
Structure Information	Tower Type: 126.5-Ft Water Tank Mount Type: 18.2-Ft Pipe Mounts

To Whom It May Concern,

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

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

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

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

Sincerely,

Dejian Xu

Dejian Xu, PE
Technical Specialist

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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.

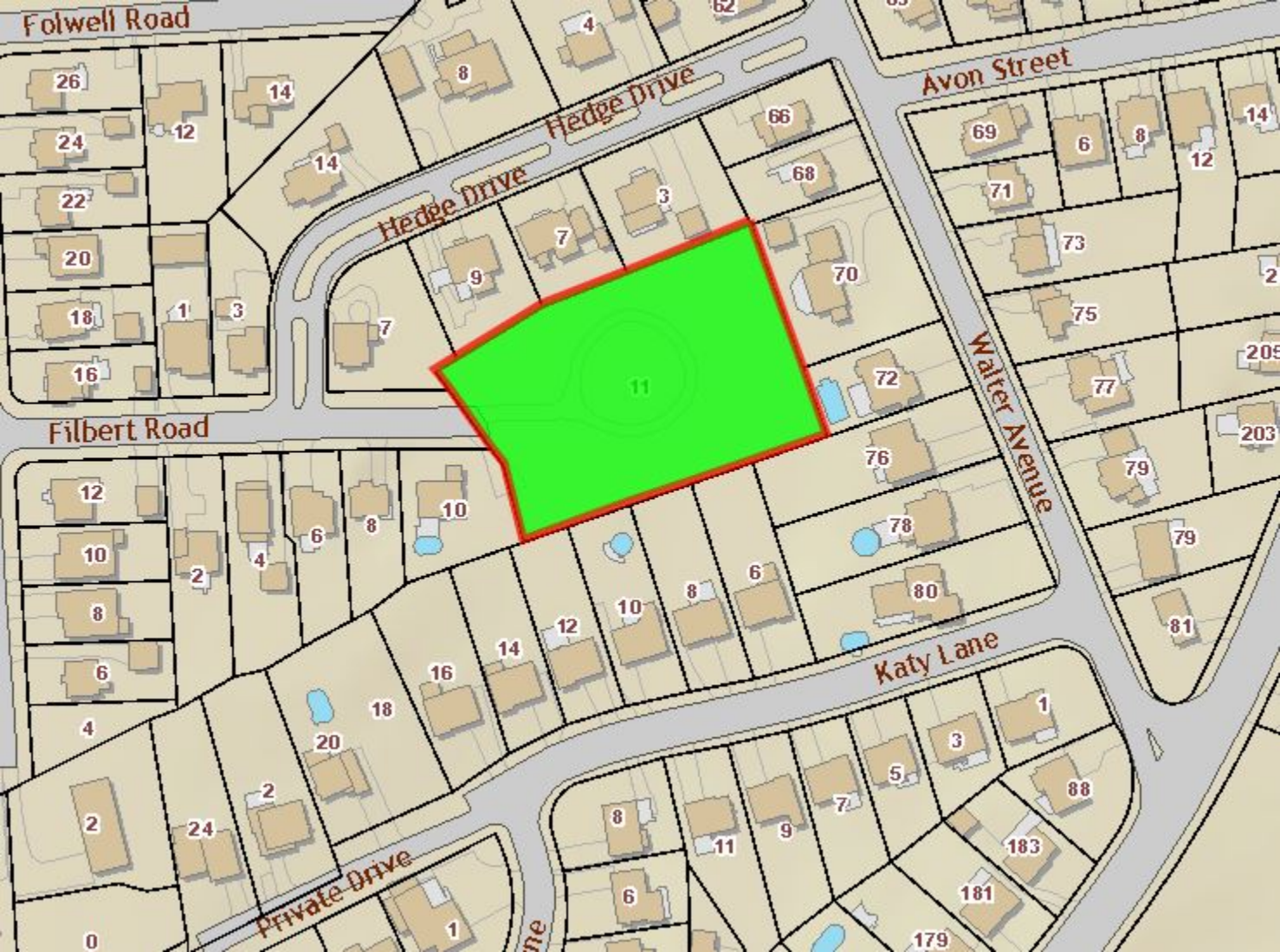
The antenna naming convention "Licensed Sub-6, L-Sub6, nL-Sub6, VZS01" and any other slight variants refer to the 64T64RMMU antenna manufactured by Samsung Electronics. These names are interchangeable and are used in various documents, including but not limited to the "Antenna Mount Analysis".

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


Folwell Road
Hedge Drive
Hedge Drive
Avon Street
Walter Avenue
Filbert Road
Katy Lane
Private Drive
11

Norwalk,CT

11 FILBERT RD

Location
11 FILBERT RD
Mblu
5/ 4/ 199/ 0/
Acct#
16358
Owner
FIRST TAXING DISTRICT
Assessment
$1,141,550
Appraisal
$1,630,780
PID
16358

Building Count

1

Current Value

Appraisal

Valuation Year	Improvements	Land	Total
2018	$527,720	$1,103,060	$1,630,780

Assessment

Valuation Year	Improvements	Land	Total
2018	$369,410	$772,140	$1,141,550

Owner of Record

Owner FIRST TAXING DISTRICT
Co-Owner (WATER DEPT - WATER TANK)
Address 3 BELDEN AVE
NORWALK, CT 06850-3303
Sale Price $0
Certificate
Book & Page 532/361
Sale Date 04/01/1960

Ownership History

Ownership History

Owner	Sale Price	Certificate	Book & Page	Sale Date
FIRST TAXING DISTRICT	$0		532/361	04/01/1960

Building Information
Building 1 : Section 1

Year Built: 1993
Living Area: 450
Replacement Cost: $22,100
Building Percent Good: 87
Replacement Cost Less Depreciation: $19,230

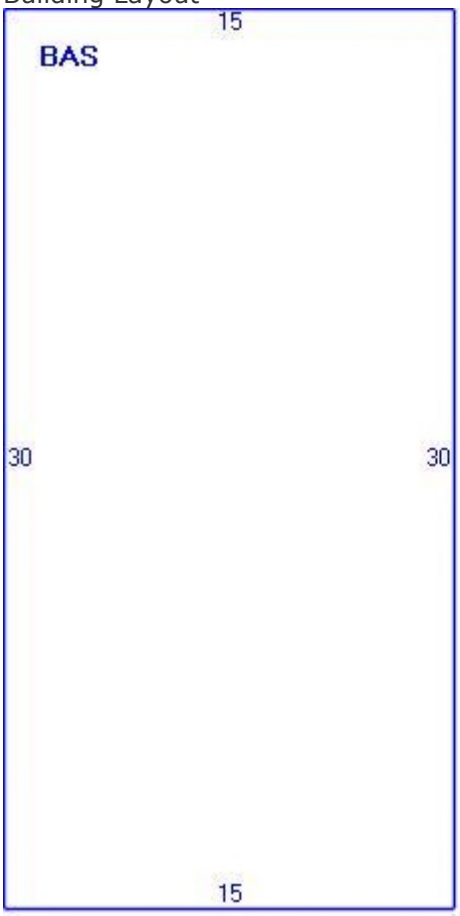
Building Attributes

Field	Description
STYLE	Warehouse
MODEL	Industrial
Grade	C
Stories:	1.00
Occupancy	1.00
Exterior Wall 1	Aluminum Sidng
Exterior Wall 2	
Roof Structure	Gable
Roof Cover	Asphalt Shingl
Interior Wall 1	Drywall
Interior Wall 2	
Interior Floor 1	Minimum/Plywd
Interior Floor 2	
Heating Fuel	Electric
Heating Type	Forced Air
AC Percent	100
Heat Percent	100
Bldg Use	Wtr Treatmnt
Total Rooms	0
Bedrooms	0
Full Baths	0
Half Baths	0
Extra Fixtures	0
FBM Area	
Heat/AC	Heat/AC Split
Frame	Wood

Plumbing	Average
Foundation	Poured Conc
Partitions	Average
Wall Height	
% Sprinkler	0.00

Building Photo

Building Layout



Building Sub-Areas (sq ft) Legend

Code	Description	Gross Area	Living Area
BAS	First Floor	450	450
		450	450

Extra Features

Extra Features Legend

No Data for Extra Features

Land

Land Use

Use Code	924
Description	Wtr Treatmnt
Zone	B
Neighborhood	C330

Land Line Valuation

Size (Acres)	1.06
Frontage	
Depth	
Assessed Value	$772,140
Appraised Value	$1,103,060

Outbuildings

Outbuildings Legend

Code	Description	Sub Code	Sub Description	Size	Value	Bldg #
SHD1	Shed	CB	CindBk/Frame	450.00 S.F.	$3,940	1
TNK3	Tank >10K			1000000.00 GALS	$500,000	1
FN6	Fence 6'			500.00 L.F.	$4,550	1

Valuation History

Appraisal

Valuation Year	Improvements	Land	Total
2019	$527,720	$1,103,060	$1,630,780
2018	$527,720	$1,103,060	$1,630,780
2017	$399,800	$770,040	$1,169,840

Assessment

Valuation Year	Improvements	Land	Total
2019	$369,410	$772,140	$1,141,550
2018	$369,410	$772,140	$1,141,550
2017	$279,870	$539,030	$818,900

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closecloseclose

ATTACHMENT 6

UNITED STATES POSTAL SERVICE®

EAST NORWALK

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 07/15/2021 US POSTAGE $002.89⁰ ZIP 06103 041L12203937
	Postmaster, per *(name of receiving employee)*		

OLD STATE HOUSE STATION 06103 JUL 15 2021 USPS

USPS® Tracking Number / Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	Harry Rilling, Mayor City of Norwalk 125 East Avenue Norwalk, CT 06856				
2.	Steven Kleppin, Director Planning and Zoning Department City of Norwalk 125 East Avenue Norwalk, CT 06856				
3.	First Taxing District 3 Belden Avenue Norwalk, CT 06850				
4.					
5.					
6.					