

KENNETH C. BALDWIN

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Also admitted in Massachusetts
and New York

June 23, 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
138 Main Street, Coventry, Connecticut**

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless (“Cellco”) currently maintains an existing wireless telecommunications facility at the above-referenced property address (the “Property”). The facility consists of antennas and remote radio heads attached to a tower and related equipment on the ground, near the base of the tower. The original tower was approved by the Town of Coventry (“Town”) and was replaced by New Cingular in 2006 (Petition 779). Cellco’s shared use of the tower was approved by the Council in July of 2009 in Petition No. 909. A copy of the Council’s Petition No. 779 Staff Report and Petition No. 909 Staff Report are included in Attachment 1.

Cellco now intends to modify its facility by removing nine (9) existing antennas and installing three (3) Samsung MT6407-77A antennas; and six (6) NHH-65B-R2B antennas. Cellco also intends to remove three (3) remote radio heads (“RRHs”) and install six (6) new RRHs on its existing antenna platform. A set of project plans showing Cellco’s proposed facility modifications and the new antennas and RRHs 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 Coventry’s Chief Elected Official and Land Use Officer.

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

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

2. The proposed modifications will not involve any change to ground-mounted equipment and, therefore, will not require the extension of the site boundary.

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

4. The installation of Cellco's new antennas will not increase radio frequency (RF) emissions at the facility to a level at or above the Federal Communications Commission (FCC) safety standard. A cumulative General Power Density table for the modified facility is included in Attachment 3. The modified facility will be capable of providing Cellco's 5G wireless service.

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

6. According to the attached Structural Analysis ("SA") and Mount Analysis ("MA"), the existing tower, tower foundation and antenna platform 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 SA verifying that the antenna model described in the SA and MA, respectively, as a VZS01 Antenna or L-Sub6 Antenna, is the Samsung 64T64R model antenna and RRH that will be installed on the tower.

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

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

Melanie A. Bachman, Esq.
June 23, 2021
Page 3

Sincerely,

A handwritten signature in black ink, appearing to read "Kenneth C. Baldwin". The signature is fluid and cursive, with a long horizontal stroke at the end.

Kenneth C. Baldwin

Enclosures

Copy to:

John Elsesser, Coventry Town Manager
Eric Trott, Director of Land Use
Richard Pelletier, Property Owner
Aleksy Tyurin

ATTACHMENT 1

Petition No. 779
Cingular
138 Main Street, Coventry, Connecticut
Staff Report
August 15, 2006

Cingular is seeking to replace an existing lattice tower with a monopole of the same height on the property of Pelletier Builders, located on Main Street in the southerly end of Coventry near its boundary with Mansfield.

Council member Phil Ashton conducted the field review with staff member David Martin on August 15, 2006. Chris Fisher, Steve Levine, Alitz Abadjian, and Bob Schluter represented Cingular. Richard Pelletier, the owner of the construction company, was also present.

The existing lattice tower is 92.8 feet high and has a whip antenna at the top that extends to a height of 102 feet. The tower is used for the construction company's wireless communications. Cingular wishes to place its antennas on the tower to improve coverage on Routes 31 and 32 in the southern part of Coventry. The existing tower, however, is not strong enough to support Cingular's antennas. It is not feasible to reinforce the tower enough to be able to support the antennas.

Cingular seeks to replace the existing tower with a monopole 93 feet high to be located 12 feet from the existing tower. Cingular would install its antennas at a centerline height of 90 feet. They would extend to 93 feet AGL. Cingular would also relocate the Pelletier whip antenna to the top of the replacement monopole and would provide space for a town whip antenna also at the top of the monopole. The whip antennas would extend to a height of 102 feet, the same height of the existing antenna. Once the new tower is in place and operating, the existing tower would be removed.

Cingular would place an 11.5 foot by 20 foot equipment shelter next to the rear of Pelletier's existing building. This would require Pelletier to relocate a construction trailer that currently houses some office functions. Pelletier has plans to expand another building on the property to house these functions.

Cingular has appeared before the Coventry Planning and Zoning Commission to present its plans. The Commission has validated the existing tower and has made no objections to Cingular's plans. In fact, the town has expressed interest in placing an antenna on the tower for emergency communications purposes.

Cingular's tower would be engineered to accommodate three wireless carriers as well as whip antennas at the top of the tower.

Pelletier's property comprises 12 acres. It is zoned industrial and is used as a construction yard. The surrounding area is also zoned industrial and is relatively undeveloped. There are two single family homes a short distance to the north of Pelletier's property and some Little League baseball fields a little farther north. The property across the street is vacant and is used occasionally as a gravel pit.

The relatively low height of the existing, and proposed, tower and the presence of numerous mature deciduous trees in the area minimize the visual presence of the tower.

View of existing lattice tower from front of Pelletier building



View of existing tower from rear of Pelletier building



Verizon Wireless
138 Main Street, Coventry
Petition No. 909
Staff Report
July 22, 2009

On June 25, 2009, the Connecticut Siting Council (Council) received a Petition (Petition) for a declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for Cellco Partnership d/b/a Verizon Wireless' (Verizon Wireless) proposed project at 138 Main Street, Coventry. Specifically, Verizon Wireless seeks to extend an existing 92-foot Pelletier Builders Inc.-owned monopole by 10 feet and install 15 panel antennas at the 102-foot level of the tower. The antennas would be installed on a low-profile platform.

Verizon Wireless would also install a 12-foot by 30-foot equipment shelter (with a backup generator inside) near the base of the tower. Verizon Wireless would also install a 1,000-gallon propane tank for the backup generator. The equipment compound is not fenced, but Verizon Wireless would install bollards to protect the equipment shelter and propane tank.

The site is commercial in nature and contains construction equipment. The nearest home is approximately 350 feet to the northwest. Any increase in visibility is not expected to be significant. According to the visibility analysis, no new areas of visibility would result from the proposed extension. The areas of existing visibility would increase from 11 acres to 13 acres.

Verizon Wireless provided written notice to the Town of Coventry (Town) on June 15, 2009 and provided a copy of the petition to the Town and the property owner Pelletier Builders Inc. on June 25, 2009. Abutting property owners were also notified in writing on June 23, 2009. No comments have been received from the Town, the property owner, or any abutting property owners.

The Petition was field reviewed by Council member Brian Golembiewski and Michael Perrone of the Council staff on July 13, 2009. Rachel Mayo, Land Use Analyst, Robinson & Cole LLP, representing Verizon Wireless, also appeared at the field review.

ATTACHMENT 2



WIRELESS COMMUNICATIONS FACILITY

SITE NAME:
MANSFIELD SW CT

PELLETIER MONOPOLE
138 MAIN ST.
COVENTRY, CT 06238

ANTENNA MODIFICATION

PROJECT SUMMARY

SITE NAME:	MANSFIELD SW CT
SITE ADDRESS:	138 MAIN ST. COVENTRY, CT 06238
PROPERTY OWNER:	RICHARD PELLETIER 138 MAIN ST. COVENTRY, CT 06238
TOWER OWNER/MGMT:	RICHARD PELLETIER
PARCEL ID:	49-37
COORDINATES:	41° 45' 08.9388" N 72° 16' 08.5692" W
VERIZON CONSTRUCTION:	WALTER CHARCZYNSKI (860) 306-1806
VERIZON REAL ESTATE:	ALEX TYURIN (860) 550-3195

AERIAL MAP



SHEET INDEX

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



WIRELESS COMMUNICATIONS FACILITY

20 ALEXANDER DRIVE
WALLINGFORD, CT 06492



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

LICENSURE



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

SUBMITTALS

0	02.01.21	REVIEW
1	04.27.21	REVISED PER NEW RFDS

NO DATE DESCRIPTION

DRAWN BY:	AS
CHECKED BY:	DW

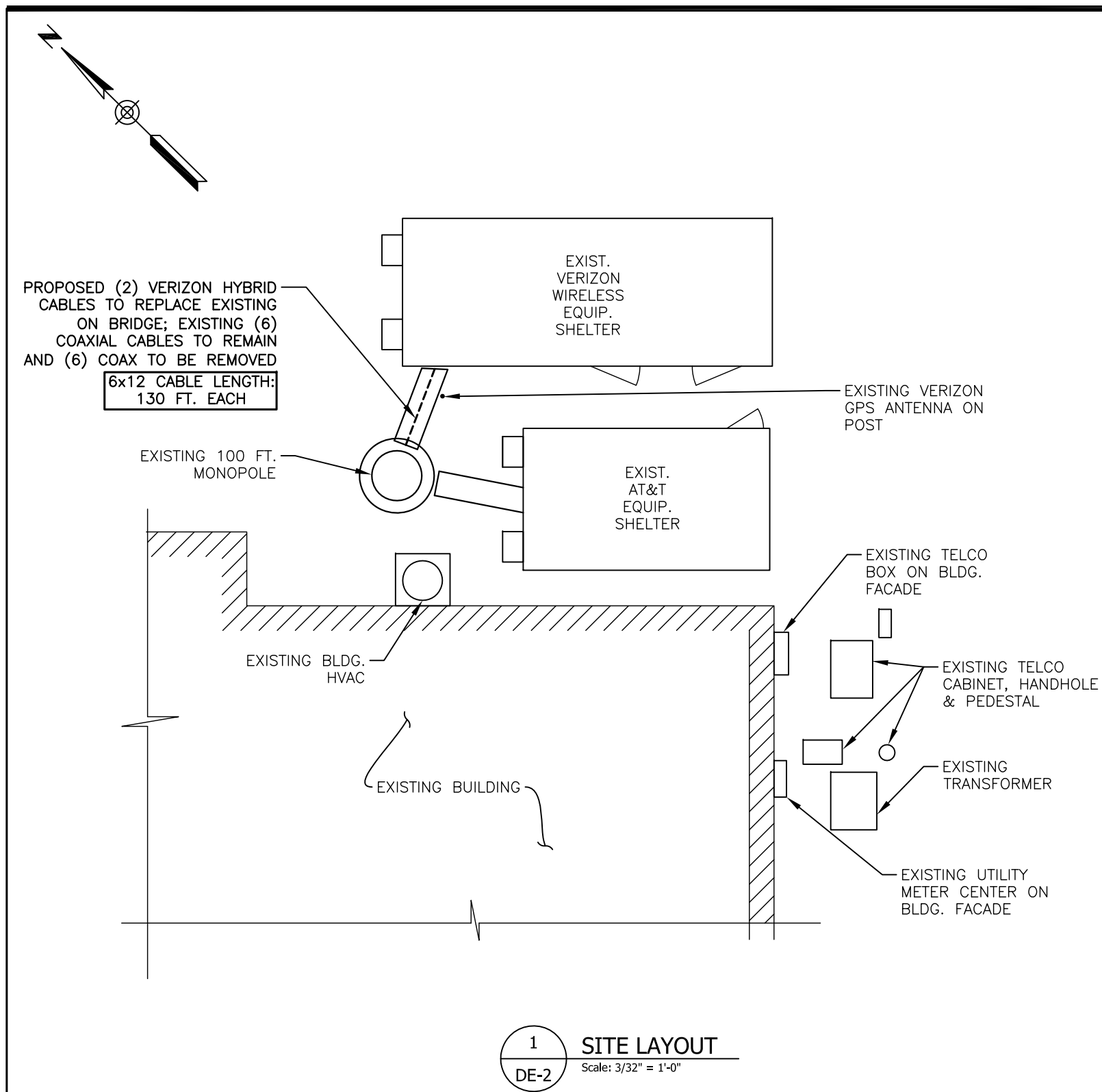
PROJECT NAME:
**ANTMO
VZS01-850-LTE-PCS
DESIGN EXHIBITS**

SITE NAME:
MANSFIELD SW CT

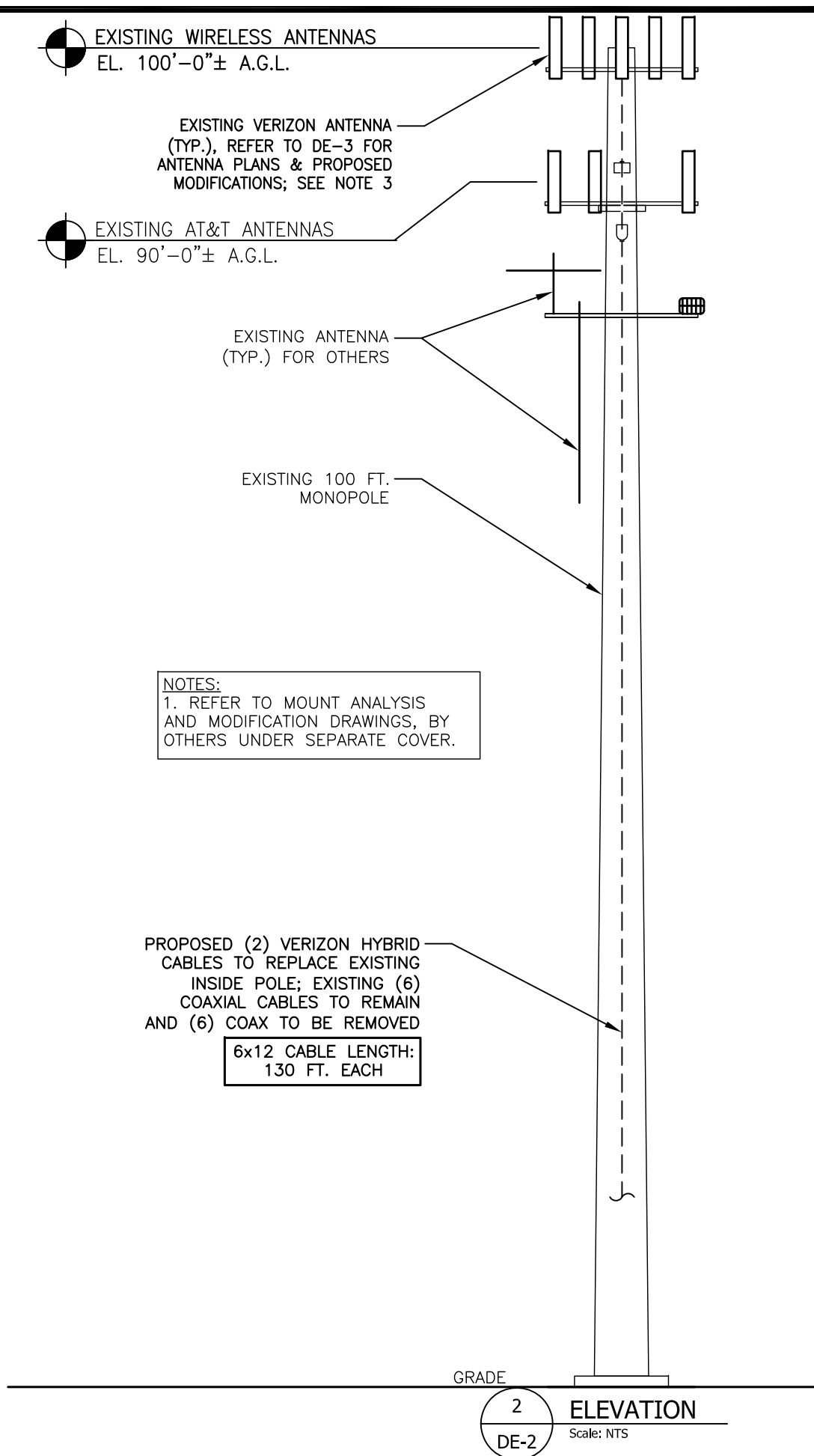
SITE ADDRESS:
**PELLETIER MONOPOLE
138 MAIN ST.
COVENTRY, CT 06238**

SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
DE-1



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



WIRELESS COMMUNICATIONS FACILITY

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On Air Engineering, LLC

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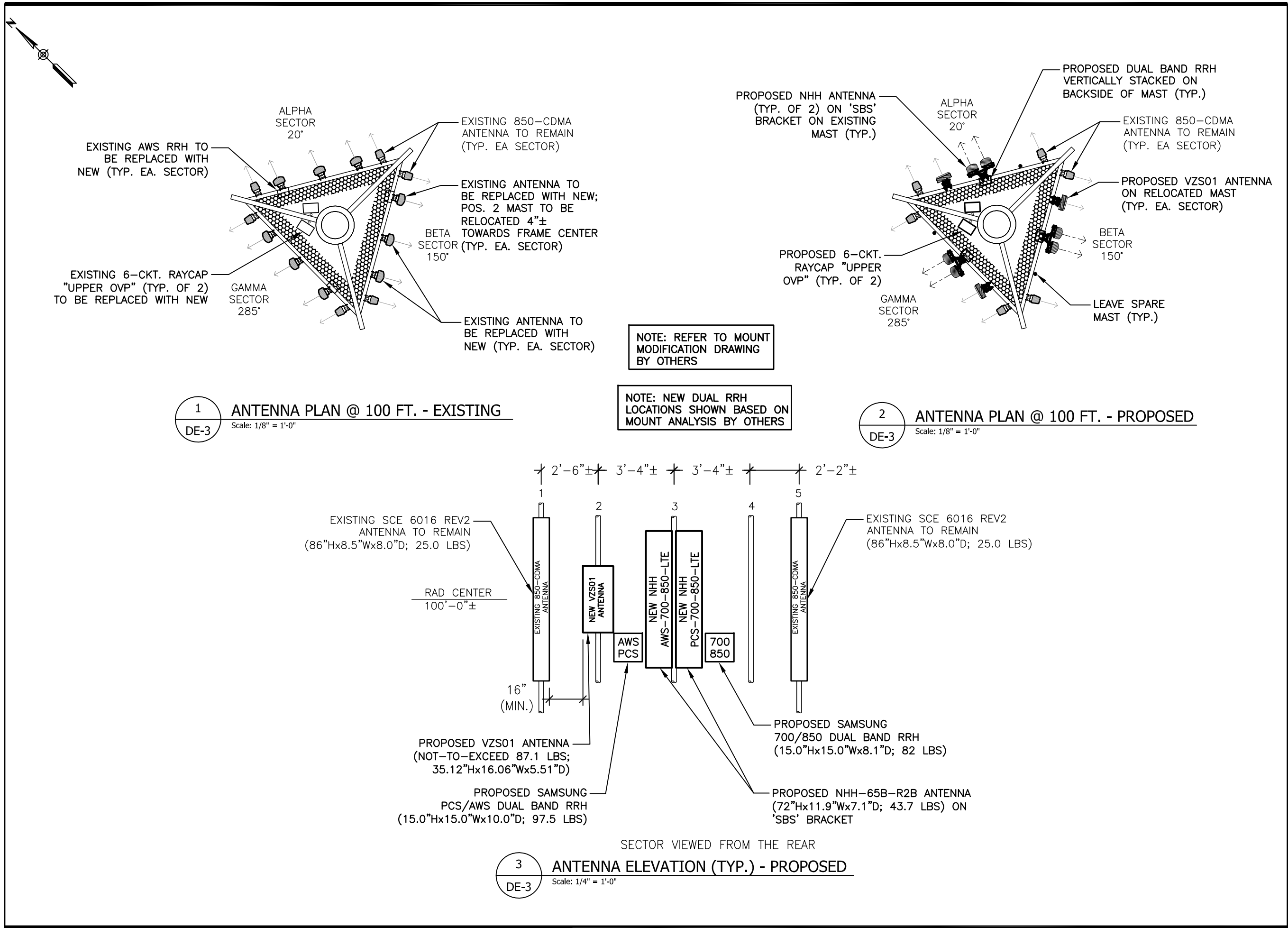
PROJECT NAME:
 ANTMO
 VZS01-850-LTE-PCS
 DESIGN EXHIBITS

SITE NAME:
 MANSFIELD SW CT

SITE ADDRESS:
 PELLETIER MONOPOLE
 138 MAIN ST.
 COVENTRY, CT 06238

SHEET TITLE:
 SITE LAYOUT
 & ELEVATION

SHEET NUMBER:
 DE-2





WIRELESS COMMUNICATIONS FACILITY

20 ALEXANDER DRIVE
WALLINGFORD, CT 06492



On Air Engineering, LLC

88 Foundry Pond Road
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NO

DATE

DESCRIPTION

DRAWN BY:

AS

CHECKED BY:

DW

PROJECT NAME:

ANTMO
VZS01-850-LTE-PCS
DESIGN EXHIBITS

SITE NAME:

MANSFIELD SW CT

SITE ADDRESS:

PELLETIER MONOPOLE
138 MAIN ST.
COVENTRY, CT 06238

SHEET TITLE:

ANTENNA PLANS
& ELEVATION

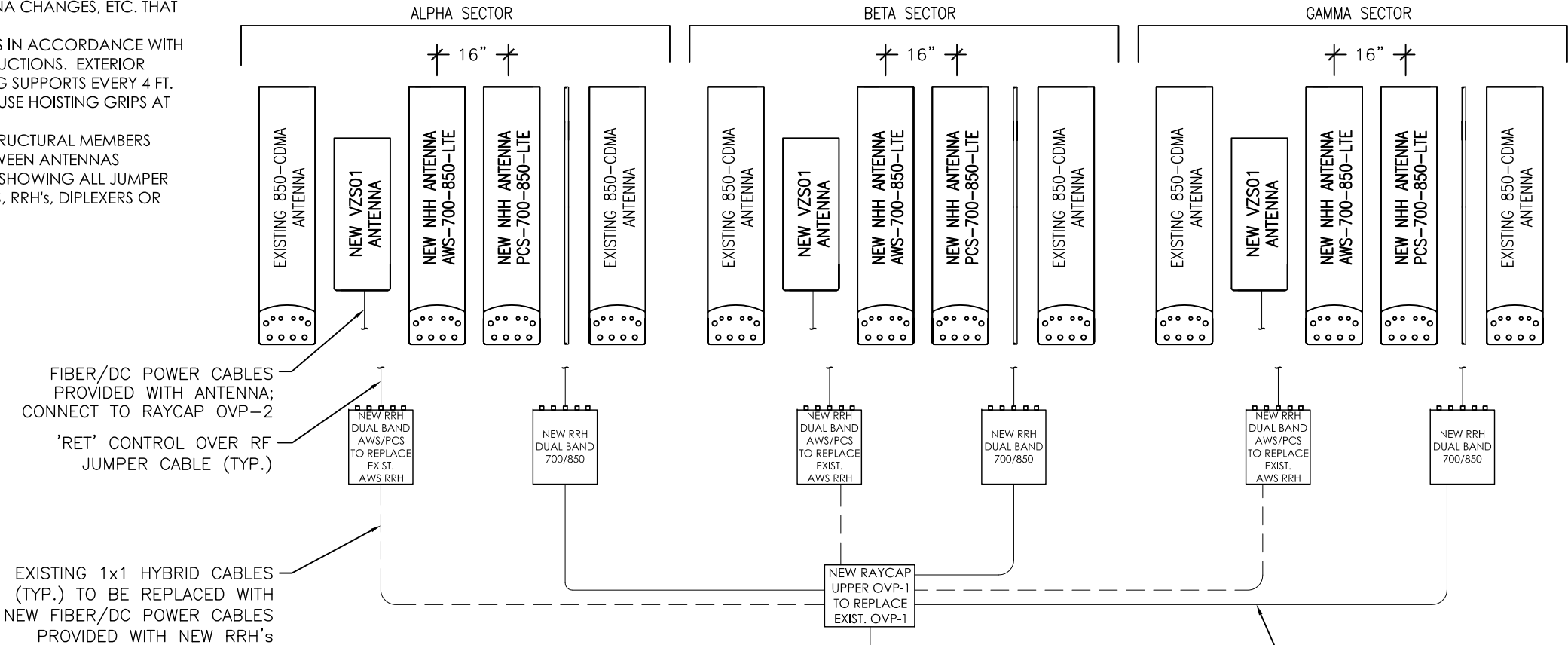
SHEET NUMBER:

DE-3

GENERAL NOTES:

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

NOTE: ALL ANTENNAS VIEWED FROM REAR



BILL OF MATERIALS			
SITE NAME: MANSFIELD SW CT		ANTMO VZS01-850-LTE-PCS	
DESCRIPTION	QTY	LENGTH	COMMENTS
LOWER OVP	-	-	EXISTING (2) RACK MOUNTS TO REMAIN
6-CKT. UPPER OVP	2	-	NEW UPPER OVP TO REPLACE EXISTING
6x12 HYBRID CABLE	2	130 FT.	NEW L.I. HYBRIDS TO REPLACE EXIST. HYBRIDS
1x1 HYBRID CABLE	-	-	EXISTING TO BE REMOVED
RET CONTROL CABLE	-	-	NOT REQUIRED FOR NHH ANTENNAS
1/2" JUMPERS	-	-	SEE NOTE 2
AWS/PCS DUAL BAND RRH	3	-	REFER TO RFDS FOR SPECS - 1 PER SECTOR
700/850 DUAL BAND RRH	3	-	REFER TO RFDS FOR SPECS - 1 PER SECTOR
VZS01 ANTENNA	3	-	SAMSUNG INTEGRATED; REFER TO RFDS - 1 PER SECTOR
NHH ANTENNA - AWS/700/850-LTE	3	-	REFER TO RFDS FOR SPECS - 1 PER SECTOR
NHH ANTENNA - PCS/700/850-LTE	3	-	REFER TO RFDS FOR SPECS - 1 PER SECTOR
SBS BRACKETS	3	-	REFER TO RFDS FOR SPECS - 1 PER SECTOR
850-CDMA ANTENNA	-	-	EXISTING (6) TO REMAIN - 2 PER SECTOR

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

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

20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

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CHECKED BY:	DW	

PROJECT NAME:
ANTMO
VZS01-850-LTE-PCS
DESIGN EXHIBITS

SITE NAME:
MANSFIELD SW CT

SITE ADDRESS:
PELLETIER MONOPOLE
138 MAIN ST.
COVENTRY, CT 06238

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

SHEET NUMBER:
DE-4

GENERAL CONSTRUCTION NOTES:

1. CONTRACTOR SHALL NOT COMMENCE ANY WORK UNTIL HE OBTAINS, AT HIS OWN EXPENSE, ALL INSURANCE REQUIRED BY *CELLCO PARTNERSHIP d/b/a VERIZON WIRELESS*, THE PROPERTY 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 WIRELESS* 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.



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VZS01-850-LTE-PCS
DESIGN EXHIBITS

SITE NAME:

MANSFIELD SW CT

SITE ADDRESS:

PELLETIER MONOPOLE
138 MAIN ST.
COVENTRY, CT 06238

SHEET TITLE:

GENERAL
CONSTRUCTION
NOTES

SHEET NUMBER:

DE-5

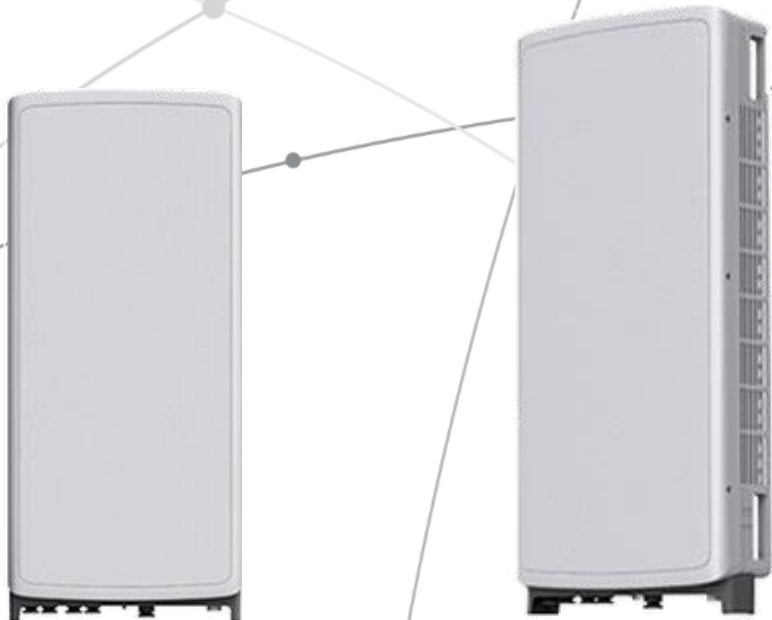
SAMSUNG

SAMSUNG C-Band 64T64R Massive MIMO Radio

for High Capacity and Wide Coverage

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

Model Code : MT6407-77A



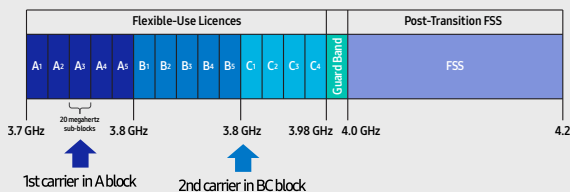
Points of Differentiation

Wide Bandwidth

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

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

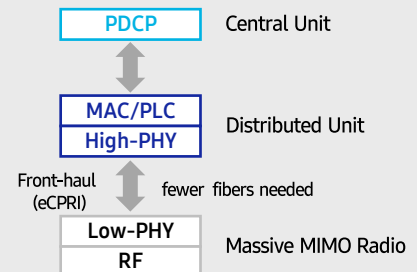
C-Band spectrum supported by Massive MIMO Radio



Future Proof Product

Samsung C-Band 64T64R Massive MIMO radio supports not only CPRI but also eCPRI as front-haul interface.

It enables operators can cut down on OPEX/CAPEX by reducing front-haul bandwidth through low layer split and using ethernet based higher efficient line.



Enhanced Performance

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

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

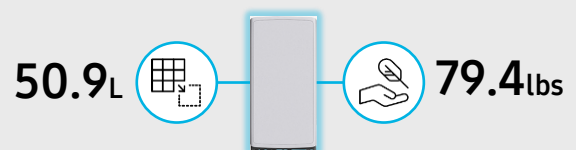
Furthermore, as C-Band massive MIMO Radio supports MU-MIMO (Multi-user MIMO), it enables to increase user throughput by minimizing interference.



Well Matched Design

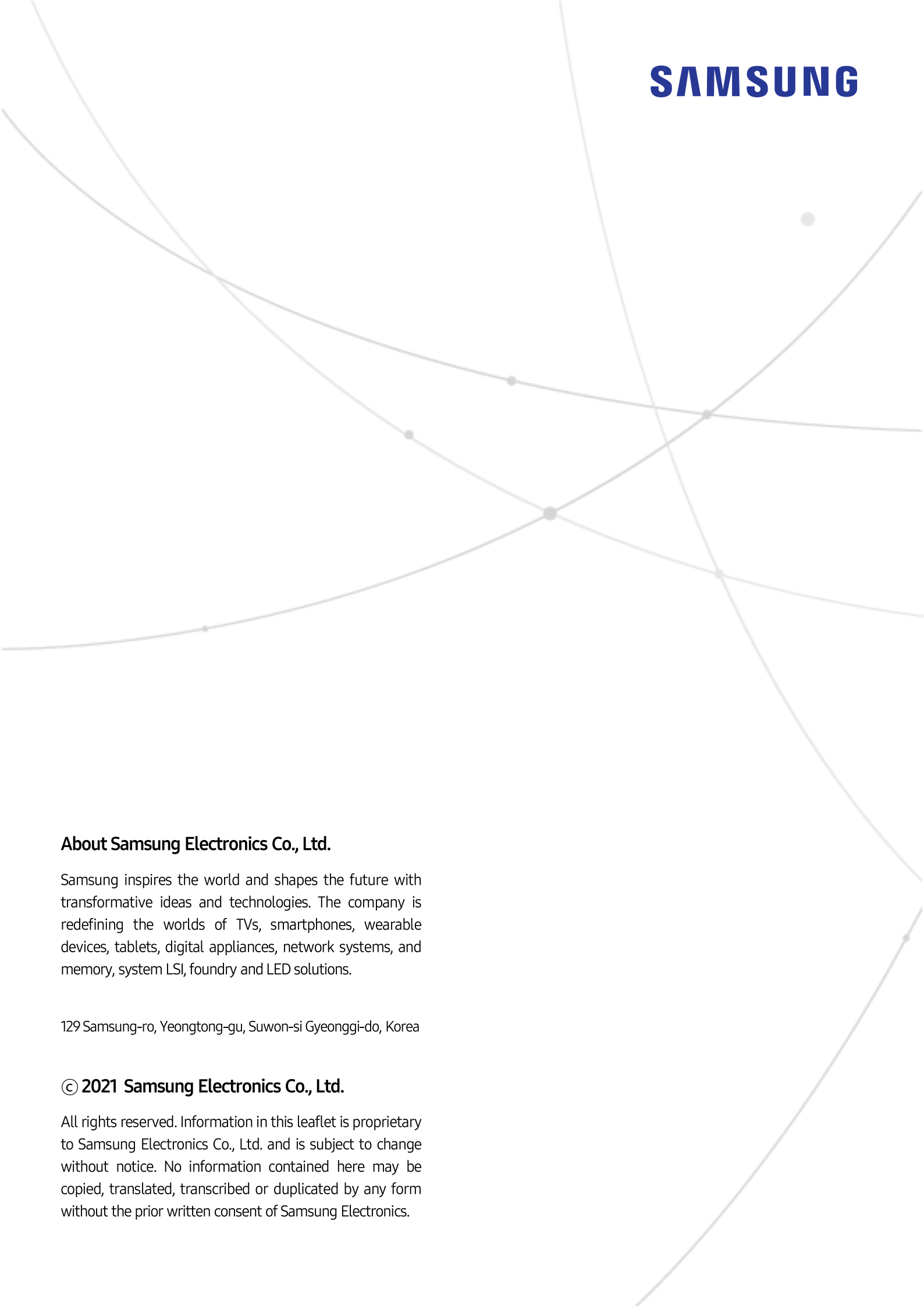
Samsung C-Band Massive MIMO radio utilizes 64 antennas, supports up to 280MHz bandwidth, and delivers a 200W output power. Despite the above advanced performance, the Radio has a compact size of 50.9L and 79.4lbs. This makes it easy to install the Radio.

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



Technical Specifications

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



SAMSUNG

About Samsung Electronics Co., Ltd.

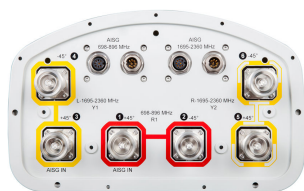
Samsung inspires the world and shapes the future with transformative ideas and technologies. The company is redefining the worlds of TVs, smartphones, wearable devices, tablets, digital appliances, network systems, and memory, system LSI, foundry and LED solutions.

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

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NHH-65B-R2B



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

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

General Specifications

Antenna Type	Sector
Band	Multiband
Color	Light gray
Effective Projective Area (EPA), frontal	0.26 m ² 2.799 ft ²
Effective Projective Area (EPA), lateral	0.22 m ² 2.368 ft ²
Grounding Type	RF connector body grounded to reflector and mounting bracket
Performance Note	Outdoor usage Wind loading figures are validated by wind tunnel measurements described in white paper WP-112534-EN
RF Connector Interface	7-16 DIN Female
RF Connector Location	Bottom
RF Connector Quantity, high band	4
RF Connector Quantity, low band	2
RF Connector Quantity, total	6

Remote Electrical Tilt (RET) Information, General

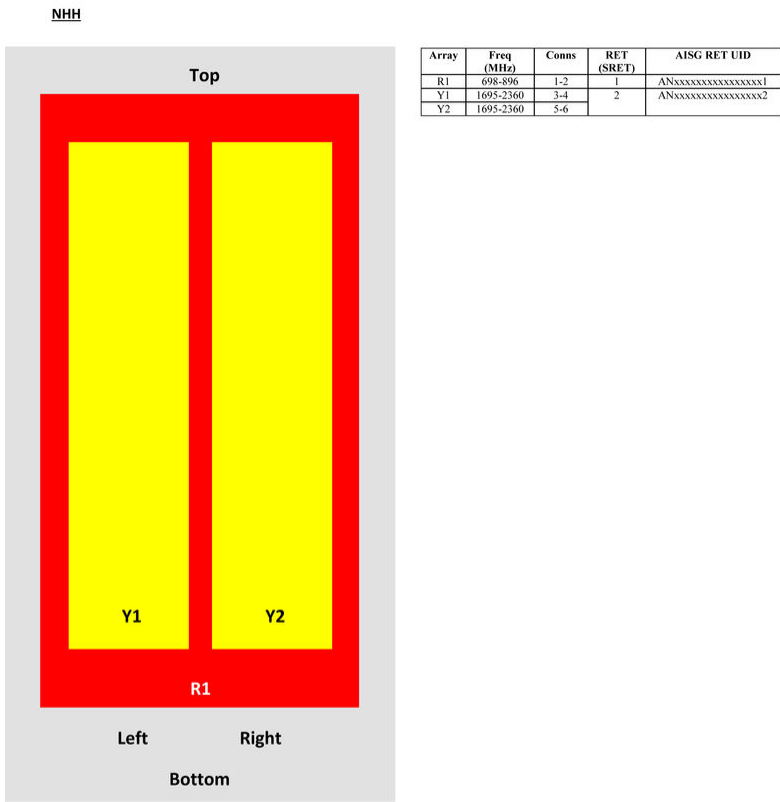
RET Interface	8-pin DIN Female 8-pin DIN Male
RET Interface, quantity	2 female 2 male

Dimensions

Width	301 mm 11.85 in
Length	1828 mm 71.969 in
Depth	180 mm 7.087 in

Array Layout

NHH-65B-R2B



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

Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1695 – 2360 MHz 698 – 896 MHz
Total Input Power, maximum	900 W @ 50 °C

Remote Electrical Tilt (RET) Information, Electrical

Protocol	3GPP/AISG 2.0 (Single RET)
Power Consumption, idle state, maximum	2 W
Power Consumption, normal conditions, maximum	13 W
Input Voltage	10–30 Vdc
Internal Bias Tee	Port 1 Port 3
Internal RET	High band (1) Low band (1)

NHH-65B-R2B

Electrical Specifications

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

Electrical Specifications, BASTA

Frequency Band, MHz	698–806	806–896	1695–1880	1850–1990	1920–2200	2300–2360
Gain by all Beam Tilts, average, dBi	14.5	14.5	17.3	17.7	18.1	18.5
Gain by all Beam Tilts Tolerance, dB	±0.6	±1.1	±0.4	±0.4	±0.5	±0.3
Gain by Beam Tilt, average, dBi	0° 14.4 7° 14.6 14° 14.3	0° 14.7 7° 14.7 14° 14.1	0° 17.2 4° 17.3 7° 17.3	0° 17.6 4° 17.7 7° 17.7	0° 18.0 4° 18.2 7° 18.1	0° 18.3 4° 18.5 7° 18.6
Beamwidth, Horizontal Tolerance, degrees	±2	±2.1	±3	±4.1	±6.5	±2.9
Beamwidth, Vertical Tolerance, degrees	±0.7	±0.7	±0.3	±0.2	±0.3	±0.2
USLS, beampeak to 20° above beampeak, dB	13	14	16	16	17	15
Front-to-Back Total Power at 180° ± 30°, dB	23	22	27	27	25	25
CPR at Boresight, dB	22	21	23	23	22	19
CPR at Sector, dB	10	7	16	13	11	4

Material Specifications

Radiator Material

Low loss circuit board

NHH-65B-R2B

Reflector Material	Aluminum
Mechanical Specifications	
Wind Loading at Velocity, frontal	278.0 N @ 150 km/h 63.6 lbf @ 150 km/h
Wind Loading at Velocity, lateral	230.0 N @ 150 km/h 51.7 lbf @ 150 km/h
Wind Loading at Velocity, maximum	120.7 lbf @ 150 km/h 537.0 N @ 150 km/h
Wind Speed, maximum	241 km/h 149.75 mph

Packaging and Weights

Width, packed	409 mm 16.102 in
Depth, packed	299 mm 11.772 in
Length, packed	1952 mm 76.85 in
Net Weight, without mounting kit	19.8 kg 43.651 lb
Weight, gross	32.3 kg 71.209 lb

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant



Included Products

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

* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance
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SAMSUNG

Dual-Band Radio Unit AWS/PCS (B66/B2)

RFV01U-D1A

Samsung's RFV01U-D1A is a compact remote Radio Unit (RU) designed for deployments that require flexibility in installation and rapid onlining, without compromising on coverage, capacity or operational expenses.



The RFV01U-D1A RU targets dual-band support across Band 66 (AWS) and Band 2 (PCS), making it an ideal product for broad coverage footprints across multiple common mid-range frequencies.

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

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

Features and Benefits

- Dual-band support for broad frequency coverage
- Minimal footprint reduces site costs
- Rapid, easy installation
- Flexibly deployable in any location
- Remote RF monitoring capability
- Convection cooled, silent operation
- Built-in Broadcast Auxiliary Services (BAS) filter ensures compliant AWS operation without impacting footprint

Key Technical Specifications

Duplex Type: FDD

Operating Frequencies:

B66: DL(2,110-2,180MHz)/UL(1,710-1,780MHz)

B2: DL(1,930-1,990MHz)/UL(1,850-1,910MHz)

Instantaneous Bandwidth:

70MHz(B66) + 60MHz(B2)

RF Chain: 4T4R/2T4R/2T2R

Output Power: Total 320W

DU-RU Interface: CPRI (10Gbps)

Dimensions: 380 x 380 x 255mm (36.8L)

Weight: 38.3kg

Input Power: -48V DC

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

Cooling: Natural convection

SAMSUNG

Dual-Band Radio Unit 700/850MHz (B13/B5) RFV01U-D2A

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



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

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

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

Features and Benefits

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

Key Technical Specifications

Duplex Type: FDD
Operating Frequencies:
 B13: DL(746-756MHz)/UL(777-787MHz)
 B5: DL(869-894MHz)/UL(824-849MHz)
Instantaneous Bandwidth: 10MHz(B13) + 25MHz(B5)
RF Chain: 4T4R/2T4R/2T2R
Output Power: Total 320W
DU-RU Interface: CPRI (10Gbps)
Dimensions: 380 x 380 x 207mm (29.9L)
Weight: 31.9kg
Input Power: -48V DC
Operating Temp.: -40 - 55°(w/o solar load)
Cooling: Natural convection

ATTACHMENT 3

	General	Power	Density					
Site Name: Mansfield SW (Coventry)								
Tower Height: 100ft								
CARRIER	# OF CHAN.	WATTS ERP	HEIGHT	Operating Freq.	Calculated Power Density	MAX. PERMISS. EXP.	FRACTION MPE	Total
*AT&T	2	424	90	850	0.0432	0.5667	0.76%	
*AT&T	4	1194	90	1900	0.2434	1.0000	2.43%	
*AT&T	2	627	90	700	0.0639	0.4667	1.37%	
*AT&T	4	1194	90	1900	0.2434	1.0000	2.43%	
*AT&T	2	736	90	700	0.0750	0.4667	1.61%	
*AT&T	2	885	90	850	0.0902	0.5667	1.59%	
*AT&T	4	1181	90	2100	0.2408	1.0000	2.41%	
*AT&T	2	553	90	850	0.0564	0.5667	0.99%	
*Pelletier Builders	1	110	97	31.16	0.0048	0.2000	0.24%	
VZW 700	4	725	100	874	0.0099	0.5007	1.98%	
VZW CDMA	2	725	100	874	0.0036	0.5848	0.61%	
VZW Cellular	4	725	100	874	0.0099	0.5827	1.71%	
VZW PCS	4	1457	100	1975	0.0214	1.0000	2.14%	
VZW AWS	4	1481	100	2132.5	0.0238	1.0000	2.38%	
VZW CBAND	4	26002	100	3730.005	0.0940	1.0000	9.40%	
								32.04%
* Source: Siting Council								

ATTACHMENT 4

Report Date: March 25, 2021

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

Structure: Existing 101-ft Monopole
Verizon Site Name: Mansfield SW CT
Site Address: 138 Main Street
City, County, State: Coventry, Tolland County, CT
Latitude, Longitude: 41.752483, -72.269047

PJF Project: A42921-0007.001.7805

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

Analysis Criteria:

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

Proposed Appurtenance Loads:

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

Summary of Analysis Results:

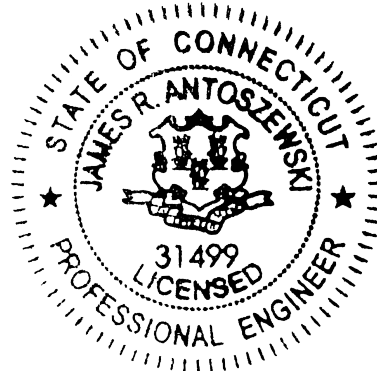
Existing Structure: Pass – 44.8%
Existing Foundation: Pass – 44.1%

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

Respectfully Submitted by:
Paul J. Ford and Company



Maria C. Lopez, PE, P. Eng.
Project Manager 
mclopez@pauljford.com



03/25/2021

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tnxTower Output

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Additional Calculations

1) INTRODUCTION

This tower is a 101.25 ft Monopole tower designed by EEI.

2) ANALYSIS CRITERIA

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

Table 1 - Proposed Equipment Configuration

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
97.5	100.0	6	swedcom	SC-E 6016 rev2 w/ Mount Pipe	2 6	Hybrid Coax
		6	commscope	NHH-65B-R2B w/ Mount Pipe		
		3	samsung telecommunications	VZS01 Antenna w/ Mount Pipe		
		2	rfs celwave	DB-T1-6Z-RAB-0Z		
		3	samsung telecommunications	B2/B66A RRH-BR049		
		3	samsung telecommunications	B5/B13 RRH-BR04C		
		3	commscope	BSAMNT-SBS-1-2 (Mount Bracket)		
		1	tower mounts	Platform Mount w/KCKR-HR		

Table 2 - Other Considered Equipment

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
90.0	90.0	6	cci antennas	HPA65R-BU6A_TIA w/ Mount Pipe	12 2 6	1-5/8 Fiber DC
		3	ericsson	4449		
		3	ericsson	8843		
		3	ericsson	RADIO 4415		
		3	kathrein	80010965_TIA w/ Mount Pipe		
		6	lucent	LGP21401		
		3	powerwave technologies	7770 w/ Mount Pipe		
		3	raycap	DC6-48-60-18-8F		
		1	tower mounts	Platform Mount w/HR		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
80.0	80.5	1	kathrein	PR-950	1 1 1	7/8 3/8 1/2
	87.0	2	antennae	1" x 8' Omni		
	80.0	1	tower mounts	T-frame		
		1	tower mounts	ring mount		
	70.0	1	antennae	20' 4-Bay Dipole		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Remarks	Reference	Source
Geotechnical Report	Dr. Clarence Welte, 05/12/2008		On Air Engineering, LLC
Foundation Drawings	EEI, 01/06/2009	15634	
Manufacturer Drawings	EEI, 10/07/2008	15634-E01	
Structural Analysis	Hudson, 05/17/2019	-	
Mount Analysis	Maser, 12/30/2020	20777367A	
Mount Modification Drawings	Maser, 12/21/2020	20777367A	
RFDS	Verizon, 2/18/2021	16244617	

3.1) Analysis Method

tnxTower (version 8.0.7.5), a commercially available analysis software package, was used to create a three-dimensional model of the tower and calculate member stresses for various loading cases. Selected output from the analysis is included in Appendix A.

3.2) Assumptions

- 1) Tower and structures were maintained in accordance with the TIA-222 standard.
- 2) The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Tables 1 and 2 and the referenced drawings.
- 3) All coaxial cables are assumed to run internal to the monopole shaft, unless noted otherwise.

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

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
L1	101.25 - 91	Pole	TP35.24x33.08x0.25	1	-6.012	1856.390	6.5	Pass
L2	91 - 45.88	Pole	TP45.53x35.24x0.3125	2	-20.123	2902.820	32.5	Pass
L3	45.88 - 0	Pole	TP55.25x43.4796x0.375	3	-35.245	4289.530	44.8	Pass
							Summary	
						Pole (L3)	44.8	Pass
						RATING =	44.8	Pass

Table 5 - Tower Component Stresses vs. Capacity

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Flange Connection	91	4.7	Pass
1	Anchor Rods	0	36.4	Pass
1	Base Plate	0	23.9	Pass
1	Foundation Structural Steel	0	44.1	Pass
1	Foundation Soil Interaction	0	21.1	Pass

Structure Rating (max from all components) =	44.8%
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Notes:

- 1) See additional documentation in "Appendix C – Additional Calculations" for calculations supporting the % capacity consumed.

4.1) Recommendations

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

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

- 1) Paul J. Ford and Company has not made a field inspection to verify the monopole dimensions or the antenna/coax loading. If the existing conditions are not as represented on these sketches, we should be contacted immediately to reevaluate any conclusions stated in this report.
- 2) No allowance was made for any damaged, missing, or rusted material. The analysis of this monopole assumes that no physical deterioration has occurred in any of the structural components of the monopole and that all the structural members have the same load carrying capacity as the day the monopole was erected.
- 3) It is not possible to have all the detailed information to perform a thorough analysis of every structural sub-component of an existing monopole. The structural analysis provided by Paul J. Ford and Company verifies the adequacy of the main structural members of the monopole. Paul J. Ford and Company provides a limited scope of service in that we cannot verify the adequacy of every weld, plate, connection detail, etc.
- 4) The structural integrity of the existing tower foundation can only be verified if exact foundation sizes and soil conditions are known. Paul J. Ford and Company will not accept any responsibility for the adequacy of the existing foundations unless the foundation sizes and a soils report are provided.
- 5) The monopole has been analyzed according to the minimum basic design wind velocity recommended by the Telecommunications Industry Association Standard ANSI/TIA-222-G. If the owner or local or state agencies require a higher design wind velocity, Paul J. Ford and Company should be made aware of this requirement.

APPENDIX A
TNXTOWER OUTPUT

Tower Input Data

The tower is a monopole.

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

The following design criteria apply:

- 1) Tower is located in Tolland County, Connecticut.
- 2) ASCE 7-10 Wind Data is used (wind speeds converted to nominal values).
- 3) Basic wind speed of 101 mph.
- 4) Structure Class II.
- 5) Exposure Category C.
- 6) Topographic Category 1.
- 7) Crest Height 0.0000 ft.
- 8) Nominal ice thickness of 1.0000 in.
- 9) Ice thickness is considered to increase with height.
- 10) Ice density of 56.000 pcf.
- 11) A wind speed of 50 mph is used in combination with ice.
- 12) Temperature drop of 50 °F.
- 13) Deflections calculated using a wind speed of 60 mph.
- 14) A non-linear (P-delta) analysis was used.
- 15) Pressures are calculated at each section.
- 16) Stress ratio used in pole design is 1.
- 17) Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

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

Tapered Pole Section Geometry

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L1	101.2500- 91.0000	10.2500	0.000	18	33.0800	35.2400	0.2500	1.0000	A572-65 (65 ksi)
L2	91.0000- 45.8800	45.1200	6.250	18	35.2400	45.5300	0.3125	1.2500	A572-65 (65 ksi)

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L3	45.8800- 0.0000	52.1300		18	43.4796	55.2500	0.3750	1.5000	A572-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in ²	I in ⁴	r in	C in	I/C in ³	J in ⁴	It/Q in ²	w in	w/t
L1	33.5517 35.7451	26.0506 27.7646	3547.2927 4294.5356	11.6547 12.4215	16.8046 17.9019	211.0901 239.8925	7099.2531 8594.7221	13.0278 13.8849	5.3821 5.7622	21.528 23.049
L2	35.7354	34.6437	5339.4546	12.3993	17.9019	298.2616	10685.935 0	17.3251	5.6522	18.087
	46.1842	44.8501	11585.480 1	16.0522	23.1292	500.9019	23186.204 7	22.4293	7.4633	23.882
L3	45.5255	51.3053	12043.356 0	15.3021	22.0877	545.2528	24102.559 1	25.6575	6.9924	18.646
	56.0445	65.3150	24848.446 4	19.4806	28.0670	885.3261	49729.589 0	32.6637	9.0640	24.171

Tower Elevation ft	Gusset Area (per face) ft ²	Gusset Thickness in	Gusset Grade	Adjust. Factor A _r	Adjust. Factor A _r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontal in	Double Angle Stitch Bolt Spacing Redundants in
L1 101.2500- 91.0000				1	1	1			
L2 91.0000- 45.8800				1	1	1			
L3 45.8800- 0.0000				1	1	1			

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C _A A _A ft ² /ft	Weight klf
1-5/8	C	No	No	Inside Pole	0.0000 - 100.0000	6	No Ice 1/2" Ice 1" Ice	0.0000 0.0000 0.0000	0.001 0.001 0.001
hybrid	C	No	No	Inside Pole	0.0000 - 100.0000	2	No Ice 1/2" Ice 1" Ice	0.0000 0.0000 0.0000	0.001 0.001 0.001
** 7/8	C	No	No	Inside Pole	0.0000 - 80.0000	1	No Ice 1/2" Ice 1" Ice	0.0000 0.0000 0.0000	0.000 0.000 0.000
1/2	C	No	No	Inside Pole	0.0000 - 80.0000	1	No Ice 1/2" Ice 1" Ice	0.0000 0.0000 0.0000	0.000 0.000 0.000
3/8	C	No	No	Inside Pole	0.0000 - 80.0000	1	No Ice 1/2" Ice 1" Ice	0.0000 0.0000 0.0000	0.000 0.000 0.000
** LDF7-50A(1-5/8")	C	No	No	Inside Pole	0.0000 - 90.0000	12	No Ice 1/2" Ice 1" Ice	0.0000 0.0000 0.0000	0.001 0.001 0.001
FB-L98B-002- 100000(3/8")	C	No	No	Inside Pole	0.0000 - 90.0000	2	No Ice 1/2" Ice 1" Ice	0.0000 0.0000 0.0000	0.000 0.000 0.000
WR-VG122ST-	C	No	No	Inside Pole	0.0000 -	6	No Ice	0.0000	0.000

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		$C_A A_A$ ft ² /ft	Weight klf
BRDA(3/8)					90.0000		1/2" Ice	0.0000	0.000
							1" Ice	0.0000	0.000
2" Conduit (1 1/2" EMT)	C	No	No	Inside Pole	0.0000 - 90.0000	1	No Ice	0.0000	0.001
							1/2" Ice	0.0000	0.001
							1" Ice	0.0000	0.001

Feed Line/Linear Appurtenances Section Areas

Tower Section n	Tower Elevation ft	Face	A_R ft ²	A_F ft ²	$C_A A_A$ In Face ft ²	$C_A A_A$ Out Face ft ²	Weight K
L1	101.2500-91.0000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	0.000	0.000	0.059
L2	91.0000-45.8800	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	0.000	0.000	0.856
L3	45.8800-0.0000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	0.000	0.000	0.889

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section n	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft ²	A_F ft ²	$C_A A_A$ In Face ft ²	$C_A A_A$ Out Face ft ²	Weight K
L1	101.2500-91.0000	A	2.226	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	0.000	0.000	0.059
L2	91.0000-45.8800	A	2.150	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	0.000	0.000	0.856
L3	45.8800-0.0000	A	1.930	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	0.000	0.000	0.889

Feed Line Center of Pressure

Section	Elevation ft	CP_x in	CP_z in	CP_x Ice in	CP_z Ice in
L1	101.2500-91.0000	0.0000	0.0000	0.0000	0.0000
L2	91.0000-45.8800	0.0000	0.0000	0.0000	0.0000
L3	45.8800-0.0000	0.0000	0.0000	0.0000	0.0000

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

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
VZS01 Antenna w/ Mount Pipe	A	From Face	4.0000 0.000 0.000	0.000	100.0000	No Ice 1/2" Ice 1" Ice	5.9051 6.7183 7.4404	3.7440 4.7949 5.6974	0.116 0.167 0.223
VZS01 Antenna w/ Mount Pipe	B	From Face	4.0000 0.000 0.000	0.000	100.0000	No Ice 1/2" Ice 1" Ice	5.9051 6.7183 7.4404	3.7440 4.7949 5.6974	0.116 0.167 0.223
VZS01 Antenna w/ Mount Pipe	C	From Face	4.0000 0.000 0.000	0.000	100.0000	No Ice 1/2" Ice 1" Ice	5.9051 6.7183 7.4404	3.7440 4.7949 5.6974	0.116 0.167 0.223
(2) SC-E 6016 rev2 w/ Mount Pipe	A	From Face	4.0000 0.000 0.000	0.000	100.0000	No Ice 1/2" Ice 1" Ice	7.8720 8.5161 9.1519	9.2257 10.6084 11.8706	0.055 0.128 0.210
(2) SC-E 6016 rev2 w/ Mount Pipe	B	From Face	4.0000 0.000 0.000	0.000	100.0000	No Ice 1/2" Ice 1" Ice	7.8720 8.5161 9.1519	9.2257 10.6084 11.8706	0.055 0.128 0.210
(2) SC-E 6016 rev2 w/ Mount Pipe	C	From Face	4.0000 0.000 0.000	0.000	100.0000	No Ice 1/2" Ice 1" Ice	7.8720 8.5161 9.1519	9.2257 10.6084 11.8706	0.055 0.128 0.210
(2) NHH-65B-R2B_TIA w/ Mount Pipe	A	From Face	4.0000 0.000 0.000	0.000	100.0000	No Ice 1/2" Ice 1" Ice	8.3164 8.8765 9.4016	7.0042 8.1855 9.0806	0.069 0.138 0.214
(2) NHH-65B-R2B_TIA w/ Mount Pipe	B	From Face	4.0000 0.000 0.000	0.000	100.0000	No Ice 1/2" Ice 1" Ice	8.3164 8.8765 9.4016	7.0042 8.1855 9.0806	0.069 0.138 0.214
(2) NHH-65B-R2B_TIA w/ Mount Pipe	C	From Face	4.0000 0.000 0.000	0.000	100.0000	No Ice 1/2" Ice 1" Ice	8.3164 8.8765 9.4016	7.0042 8.1855 9.0806	0.069 0.138 0.214
B2/B66A RRH-BR049	A	From Face	4.0000 0.000 0.000	0.000	100.0000	No Ice 1/2" Ice 1" Ice	1.8750 2.0454 2.2231	1.0125 1.1445 1.2840	0.070 0.087 0.106
B2/B66A RRH-BR049	B	From Face	4.0000 0.000 0.000	0.000	100.0000	No Ice 1/2" Ice 1" Ice	1.8750 2.0454 2.2231	1.0125 1.1445 1.2840	0.070 0.087 0.106
B2/B66A RRH-BR049	C	From Face	4.0000 0.000 0.000	0.000	100.0000	No Ice 1/2" Ice 1" Ice	1.8750 2.0454 2.2231	1.0125 1.1445 1.2840	0.070 0.087 0.106
B5/B13 RRH-BR04C	A	From Face	4.0000 0.000 0.000	0.000	100.0000	No Ice 1/2" Ice 1" Ice	1.8750 2.0454 2.2231	1.0125 1.1445 1.2840	0.070 0.087 0.106
B5/B13 RRH-BR04C	B	From Face	4.0000 0.000 0.000	0.000	100.0000	No Ice 1/2" Ice 1" Ice	1.8750 2.0454 2.2231	1.0125 1.1445 1.2840	0.070 0.087 0.106
B5/B13 RRH-BR04C	C	From Face	4.0000 0.000 0.000	0.000	100.0000	No Ice 1/2" Ice 1" Ice	1.8750 2.0454 2.2231	1.0125 1.1445 1.2840	0.070 0.087 0.106
(2) DB-T1-6Z-12AB-0Z	C	From Face	4.0000 0.000 0.000	0.000	100.0000	No Ice 1/2" Ice 1" Ice	3.3636 3.5972 3.8383	2.1921 2.3950 2.6056	0.016 0.045 0.077
Platform Mount [LP 1201-	C	None		0.000	100.0000	No Ice	37.6100	37.6100	2.631

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
1_KCKR-HR-1]						1/2" Ice	45.6200 53.5900	45.6200 53.5900	3.478 4.462
(3) BSAMNT-SBS-1-2 (Mount Bracket)	C	None		0.000	100.0000	1" Ice No Ice 1/2" Ice 1" Ice	0.0000 0.0000 0.0000 0.0000	0.0000 0.0000 0.0000	0.025 0.045 0.065
** 7770 w/ Mount Pipe	A	From Face	4.0000 0.000 0.000	0.000	90.0000	No Ice 1/2" Ice 1" Ice	3.3900 3.7500 4.1200	2.3200 2.6600 3.0200	0.055 0.098 0.149
7770 w/ Mount Pipe	B	From Face	4.0000 0.000 0.000	0.000	90.0000	No Ice 1/2" Ice 1" Ice	3.3900 3.7500 4.1200	2.3200 2.6600 3.0200	0.055 0.098 0.149
7770 w/ Mount Pipe	C	From Face	4.0000 0.000 0.000	0.000	90.0000	No Ice 1/2" Ice 1" Ice	3.3900 3.7500 4.1200	2.3200 2.6600 3.0200	0.055 0.098 0.149
(2) LGP21401	A	From Face	4.0000 0.000 0.000	0.000	90.0000	No Ice 1/2" Ice 1" Ice	0.8167 0.9370 1.0648	0.3463 0.4398 0.5402	0.018 0.023 0.031
(2) LGP21401	B	From Face	4.0000 0.000 0.000	0.000	90.0000	No Ice 1/2" Ice 1" Ice	0.8167 0.9370 1.0648	0.3463 0.4398 0.5402	0.018 0.023 0.031
(2) LGP21401	C	From Face	4.0000 0.000 0.000	0.000	90.0000	No Ice 1/2" Ice 1" Ice	0.8167 0.9370 1.0648	0.3463 0.4398 0.5402	0.018 0.023 0.031
(2) HPA65R-BU6A_TIA w/ Mount Pipe	A	From Face	4.0000 0.000 0.000	0.000	90.0000	No Ice 1/2" Ice 1" Ice	8.0881 8.6418 9.1599	7.1928 8.3606 9.2408	0.080 0.148 0.225
(2) HPA65R-BU6A_TIA w/ Mount Pipe	B	From Face	4.0000 0.000 0.000	0.000	90.0000	No Ice 1/2" Ice 1" Ice	8.0881 8.6418 9.1599	7.1928 8.3606 9.2408	0.080 0.148 0.225
(2) HPA65R-BU6A_TIA w/ Mount Pipe	C	From Face	4.0000 0.000 0.000	0.000	90.0000	No Ice 1/2" Ice 1" Ice	8.0881 8.6418 9.1599	7.1928 8.3606 9.2408	0.080 0.148 0.225
80010965_TIA w/ Mount Pipe	A	From Face	4.0000 0.000 0.000	0.000	90.0000	No Ice 1/2" Ice 1" Ice	14.0513 14.6885 15.3033	7.6284 8.9027 9.9625	0.136 0.233 0.338
80010965_TIA w/ Mount Pipe	B	From Face	4.0000 0.000 0.000	0.000	90.0000	No Ice 1/2" Ice 1" Ice	14.0513 14.6885 15.3033	7.6284 8.9027 9.9625	0.136 0.233 0.338
80010965_TIA w/ Mount Pipe	C	From Face	4.0000 0.000 0.000	0.000	90.0000	No Ice 1/2" Ice 1" Ice	14.0513 14.6885 15.3033	7.6284 8.9027 9.9625	0.136 0.233 0.338
8843	A	From Face	4.0000 0.000 0.000	0.000	90.0000	No Ice 1/2" Ice 1" Ice	1.6500 1.8104 1.9781	1.3625 1.5101 1.6651	0.072 0.090 0.110
8843	B	From Face	4.0000 0.000 0.000	0.000	90.0000	No Ice 1/2" Ice 1" Ice	1.6500 1.8104 1.9781	1.3625 1.5101 1.6651	0.072 0.090 0.110
8843	C	From Face	4.0000	0.000	90.0000	No Ice	1.6500	1.3625	0.072

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
			0.000			1/2"	1.8104	1.5101	0.090
			0.000			Ice	1.9781	1.6651	0.110
						1" Ice			
4449	A	From Face	4.0000	0.000	90.0000	No Ice	1.9690	1.4022	0.071
			0.000			1/2"	2.1455	1.5575	0.089
			0.000			Ice	2.3294	1.7203	0.110
						1" Ice			
4449	B	From Face	4.0000	0.000	90.0000	No Ice	1.9690	1.4022	0.071
			0.000			1/2"	2.1455	1.5575	0.089
			0.000			Ice	2.3294	1.7203	0.110
						1" Ice			
4449	C	From Face	4.0000	0.000	90.0000	No Ice	1.9690	1.4022	0.071
			0.000			1/2"	2.1455	1.5575	0.089
			0.000			Ice	2.3294	1.7203	0.110
						1" Ice			
RADIO 4415	A	From Face	4.0000	0.000	90.0000	No Ice	1.8566	0.8724	0.050
			0.000			1/2"	2.0270	0.9989	0.064
			0.000			Ice	2.2049	1.1369	0.081
						1" Ice			
RADIO 4415	B	From Face	4.0000	0.000	90.0000	No Ice	1.8566	0.8724	0.050
			0.000			1/2"	2.0270	0.9989	0.064
			0.000			Ice	2.2049	1.1369	0.081
						1" Ice			
RADIO 4415	C	From Face	4.0000	0.000	90.0000	No Ice	1.8566	0.8724	0.050
			0.000			1/2"	2.0270	0.9989	0.064
			0.000			Ice	2.2049	1.1369	0.081
						1" Ice			
DC6-48-60-18-8F	A	From Face	4.0000	0.000	90.0000	No Ice	1.2117	1.2117	0.033
			0.000			1/2"	1.8924	1.8924	0.055
			0.000			Ice	2.1051	2.1051	0.080
						1" Ice			
DC6-48-60-18-8F	B	From Face	4.0000	0.000	90.0000	No Ice	1.2117	1.2117	0.033
			0.000			1/2"	1.8924	1.8924	0.055
			0.000			Ice	2.1051	2.1051	0.080
						1" Ice			
DC6-48-60-18-8F	C	From Face	4.0000	0.000	90.0000	No Ice	1.2117	1.2117	0.033
			0.000			1/2"	1.8924	1.8924	0.055
			0.000			Ice	2.1051	2.1051	0.080
						1" Ice			
Platform Mount [LP 1202-1_HR-1]	C	None		0.000	90.0000	No Ice	29.2400	29.2400	3.704
						1/2"	35.3600	35.3600	4.488
						Ice	41.2600	41.2600	5.380
						1" Ice			
** ring mount	C	None		0.000	80.0000	No Ice	1.4000	1.4000	0.090
						1/2"	2.4000	2.4000	0.130
						Ice	3.4000	3.4000	0.170
						1" Ice			
T-frame	C	None		0.000	80.0000	No Ice	10.2000	10.2000	0.253
						1/2"	16.2000	16.2000	0.355
						Ice	22.2000	22.2000	0.457
						1" Ice			
20' 4-Bay Dipole	A	From Face	4.0000	0.000	80.0000	No Ice	4.0000	4.0000	0.055
			0.000			1/2"	6.0000	6.0000	0.100
			-10.000			Ice	8.0000	8.0000	0.145
						1" Ice			
(2) 1" x 8' Omni	A	From Face	4.0000	0.000	80.0000	No Ice	0.8000	0.8000	0.020
			0.000			1/2"	1.6167	1.6167	0.027
			7.000			Ice	2.4500	2.4500	0.040
						1" Ice			
**									

Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral Vert ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft	Aperture Area ft ²	Weight K
PR-950	C	Grid	From Face	2.0000 0.000 0.000	0.000		80.5000	5.6667	No Ice 25.2200 1/2" Ice 25.9700 1" Ice 26.7100	0.038 0.171 0.305

Tower Pressures - No Ice

$$G_H = 1.100$$

Section Elevation ft	z ft	K _z	q _z ksf	A _G ft ²	F a c e	A _F ft ²	A _R ft ²	A _{leg} ft ²	Leg %	C _A A _A In Face ft ²	C _A A _A Out Face ft ²
L1 101.2500- 91.0000	96.0710	1.255	0.031	29.596	A	0.000	29.596	29.596	100.00	0.000	0.000
					B	0.000	29.596		100.00	0.000	0.000
					C	0.000	29.596		100.00	0.000	0.000
L2 91.0000- 45.8800	67.8753	1.166	0.029	154.00 9	A	0.000	154.009	154.009	100.00	0.000	0.000
					B	0.000	154.009		100.00	0.000	0.000
					C	0.000	154.009		100.00	0.000	0.000
L3 45.8800- 0.0000	23.1341	0.93	0.023	194.16 8	A	0.000	194.168	194.168	100.00	0.000	0.000
					B	0.000	194.168		100.00	0.000	0.000
					C	0.000	194.168		100.00	0.000	0.000

Tower Pressure - With Ice

$$G_H = 1.100$$

Section Elevation ft	z ft	K _z	q _z ksf	t _z in	A _G ft ²	F a c e	A _F ft ²	A _R ft ²	A _{leg} ft ²	Leg %	C _A A _A In Face ft ²	C _A A _A Out Face ft ²
L1 101.2500- 91.0000	96.0710	1.255	0.008	2.2256	33.397	A	0.000	33.397	33.397	100.00	0.000	0.000
						B	0.000	33.397		100.00	0.000	0.000
						C	0.000	33.397		100.00	0.000	0.000
L2 91.0000- 45.8800	67.8753	1.166	0.007	2.1496	170.174	A	0.000	170.174	170.174	100.00	0.000	0.000
						B	0.000	170.174		100.00	0.000	0.000
						C	0.000	170.174		100.00	0.000	0.000
L3 45.8800- 0.0000	23.1341	0.93	0.006	1.9302	210.605	A	0.000	210.605	210.605	100.00	0.000	0.000
						B	0.000	210.605		100.00	0.000	0.000
						C	0.000	210.605		100.00	0.000	0.000

Tower Pressure - Service

$$G_H = 1.100$$

Section Elevation ft	z ft	K _z	q _z ksf	A _G ft ²	F a c e	A _F ft ²	A _R ft ²	A _{leg} ft ²	Leg %	C _A A _A In Face ft ²	C _A A _A Out Face ft ²
L1 101.2500- 91.0000	96.0710	1.255	0.010	29.596	A	0.000	29.596	29.596	100.00	0.000	0.000
					B	0.000	29.596		100.00	0.000	0.000
					C	0.000	29.596		100.00	0.000	0.000

Section Elevation	z	K _z	q _z	A _G	F a c e	A _F	A _R	A _{leg}	Leg %	C _A A _A In Face ft ²	C _A A _A Out Face ft ²
ft	ft		ksf	ft ²		ft ²	ft ²	ft ²			
L2 91.0000- 45.8800	67.8753	1.166	0.009	154.00 9	A B C	0.000 0.000 0.000	154.009 154.009 154.009	154.009	100.00 100.00 100.00	0.000 0.000 0.000	0.000 0.000 0.000
L3 45.8800- 0.0000	23.1341	0.93	0.007	194.16 8	A B C	0.000 0.000 0.000	194.168 194.168 194.168	194.168	100.00 100.00 100.00	0.000 0.000 0.000	0.000 0.000 0.000

Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.6 Wind 0 deg - No Ice
3	0.9 Dead+1.6 Wind 0 deg - No Ice
4	1.2 Dead+1.6 Wind 30 deg - No Ice
5	0.9 Dead+1.6 Wind 30 deg - No Ice
6	1.2 Dead+1.6 Wind 60 deg - No Ice
7	0.9 Dead+1.6 Wind 60 deg - No Ice
8	1.2 Dead+1.6 Wind 90 deg - No Ice
9	0.9 Dead+1.6 Wind 90 deg - No Ice
10	1.2 Dead+1.6 Wind 120 deg - No Ice
11	0.9 Dead+1.6 Wind 120 deg - No Ice
12	1.2 Dead+1.6 Wind 150 deg - No Ice
13	0.9 Dead+1.6 Wind 150 deg - No Ice
14	1.2 Dead+1.6 Wind 180 deg - No Ice
15	0.9 Dead+1.6 Wind 180 deg - No Ice
16	1.2 Dead+1.6 Wind 210 deg - No Ice
17	0.9 Dead+1.6 Wind 210 deg - No Ice
18	1.2 Dead+1.6 Wind 240 deg - No Ice
19	0.9 Dead+1.6 Wind 240 deg - No Ice
20	1.2 Dead+1.6 Wind 270 deg - No Ice
21	0.9 Dead+1.6 Wind 270 deg - No Ice
22	1.2 Dead+1.6 Wind 300 deg - No Ice
23	0.9 Dead+1.6 Wind 300 deg - No Ice
24	1.2 Dead+1.6 Wind 330 deg - No Ice
25	0.9 Dead+1.6 Wind 330 deg - No Ice
26	1.2 Dead+1.0 Ice+1.0 Temp
27	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp
28	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp
29	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp
30	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp
31	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp
32	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp
33	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp
34	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp
35	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp
36	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp
37	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp
38	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp
39	Dead+Wind 0 deg - Service
40	Dead+Wind 30 deg - Service
41	Dead+Wind 60 deg - Service
42	Dead+Wind 90 deg - Service
43	Dead+Wind 120 deg - Service
44	Dead+Wind 150 deg - Service
45	Dead+Wind 180 deg - Service
46	Dead+Wind 210 deg - Service
47	Dead+Wind 240 deg - Service
48	Dead+Wind 270 deg - Service
49	Dead+Wind 300 deg - Service
50	Dead+Wind 330 deg - Service

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	101.25 - 91	Pole	Max Tension	14	0.000	-0.001	0.000
			Max. Compression	26	-19.144	0.012	-1.950
			Max. Mx	20	-6.022	81.401	-0.183
			Max. My	14	-6.012	0.006	-82.688
			Max. Vy	20	-9.519	81.401	-0.183
			Max. Vx	14	9.639	0.006	-82.688
L2	91 - 45.88	Pole	Max. Torque	9			-1.175
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-49.863	2.276	-2.961
			Max. Mx	20	-20.184	812.177	-2.004
			Max. My	14	-20.162	0.552	-830.910
			Max. Vy	20	-21.534	812.177	-2.004
L3	45.88 - 0	Pole	Max. Vx	14	22.128	0.552	-830.910
			Max. Torque	25			2.779
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-71.775	2.270	-2.952
			Max. Mx	20	-35.338	2082.600	-5.575
			Max. My	14	-35.338	0.563	-2132.120
			Max. Vy	20	-27.001	2082.600	-5.575
			Max. Vx	14	27.586	0.563	-2132.120
			Max. Torque	25			2.778

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	26	71.775	-0.000	0.000
	Max. H _x	20	35.352	26.983	-0.068
	Max. H _z	3	26.514	0.000	27.490
	Max. M _x	2	2125.642	0.000	27.490
	Max. M _z	8	2081.473	-26.983	-0.068
	Max. Torsion	25	2.777	13.637	23.804
	Min. Vert	15	26.514	0.000	-27.568
	Min. H _x	8	35.352	-26.983	-0.068
	Min. H _z	15	26.514	0.000	-27.568
	Min. M _x	14	-2132.120	0.000	-27.568
	Min. M _z	20	-2082.600	26.983	-0.068
	Min. Torsion	10	-2.719	-23.458	-13.742

Tower Mast Reaction Summary

Load Combination	Vertical K	Shear _x K	Shear _z K	Overturning Moment, M _x kip-ft	Overturning Moment, M _z kip-ft	Torque kip-ft
Dead Only	29.460	-0.000	0.000	0.043	0.458	0.000
1.2 Dead+1.6 Wind 0 deg - No Ice	35.352	-0.000	-27.490	-2125.642	0.563	-1.396
0.9 Dead+1.6 Wind 0 deg - No Ice	26.514	-0.000	-27.490	-2117.468	0.419	-1.398
1.2 Dead+1.6 Wind 30 deg - No Ice	35.352	13.637	-23.804	-1840.614	-1052.343	0.358
0.9 Dead+1.6 Wind 30 deg - No Ice	26.514	13.637	-23.804	-1833.528	-1048.427	0.356
1.2 Dead+1.6 Wind 60 deg - No Ice	35.352	23.464	-13.701	-1059.209	-1810.304	1.354
0.9 Dead+1.6 Wind 60 deg - No Ice	26.514	23.464	-13.701	-1055.136	-1803.464	1.352
1.2 Dead+1.6 Wind 90 deg - No Ice	35.352	26.983	0.068	5.575	-2081.473	1.845

Load Combination	Vertical	Shear _x	Shear _z	Overturning Moment, M _x	Overturning Moment, M _z	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
0.9 Dead+1.6 Wind 90 deg - No Ice	26.514	26.983	0.068	5.541	-2073.558	1.843
1.2 Dead+1.6 Wind 120 deg - No Ice	35.352	23.458	13.742	1062.714	-1809.887	2.719
0.9 Dead+1.6 Wind 120 deg - No Ice	26.514	23.458	13.742	1058.599	-1803.042	2.718
1.2 Dead+1.6 Wind 150 deg - No Ice	35.352	13.601	23.824	1842.419	-1049.371	2.637
0.9 Dead+1.6 Wind 150 deg - No Ice	26.514	13.601	23.825	1835.299	-1045.466	2.637
1.2 Dead+1.6 Wind 180 deg - No Ice	35.352	-0.000	27.568	2132.120	0.563	1.396
0.9 Dead+1.6 Wind 180 deg - No Ice	26.514	-0.000	27.568	2123.894	0.419	1.398
1.2 Dead+1.6 Wind 210 deg - No Ice	35.352	-13.601	23.824	1842.420	1050.497	-0.218
0.9 Dead+1.6 Wind 210 deg - No Ice	26.514	-13.601	23.825	1835.300	1046.305	-0.216
1.2 Dead+1.6 Wind 240 deg - No Ice	35.352	-23.458	13.742	1062.712	1811.008	-1.323
0.9 Dead+1.6 Wind 240 deg - No Ice	26.514	-23.458	13.742	1058.599	1803.882	-1.321
1.2 Dead+1.6 Wind 270 deg - No Ice	35.352	-26.983	0.068	5.575	2082.600	-1.845
0.9 Dead+1.6 Wind 270 deg - No Ice	26.514	-26.983	0.068	5.541	2074.398	-1.843
1.2 Dead+1.6 Wind 300 deg - No Ice	35.352	-23.464	-13.701	-1059.210	1811.432	-2.750
0.9 Dead+1.6 Wind 300 deg - No Ice	26.514	-23.464	-13.701	-1055.136	1804.304	-2.750
1.2 Dead+1.6 Wind 330 deg - No Ice	35.352	-13.637	-23.804	-1840.621	1053.472	-2.776
0.9 Dead+1.6 Wind 330 deg - No Ice	26.514	-13.637	-23.804	-1833.528	1049.266	-2.777
1.2 Dead+1.0 Ice+1.0 Temp	71.775	0.000	-0.000	2.952	2.270	-0.000
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	71.775	0.000	-8.323	-646.591	2.375	-0.788
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	71.775	3.964	-7.256	-563.622	-305.791	-0.843
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	71.775	6.935	-4.362	-338.547	-537.085	-0.447
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	71.775	8.022	0.003	3.316	-621.773	0.293
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	71.775	6.984	4.088	321.807	-541.219	0.817
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	71.775	4.062	7.076	554.774	-313.908	1.064
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	71.775	0.000	8.208	643.228	2.375	0.787
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	71.775	-4.062	7.076	554.774	318.658	0.299
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	71.775	-6.984	4.088	321.807	545.970	-0.029
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	71.775	-8.022	0.003	3.316	626.525	-0.293
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	71.775	-6.935	-4.362	-338.547	541.836	-0.340
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	71.775	-3.964	-7.256	-563.623	310.542	-0.521
Dead+Wind 0 deg - Service	29.460	0.000	-5.425	-418.418	0.468	-0.276
Dead+Wind 30 deg - Service	29.460	2.691	-4.697	-362.301	-206.802	0.070
Dead+Wind 60 deg - Service	29.460	4.630	-2.704	-208.472	-356.004	0.267
Dead+Wind 90 deg - Service	29.460	5.325	0.013	1.132	-409.382	0.364
Dead+Wind 120 deg - Service	29.460	4.629	2.712	209.234	-355.926	0.537
Dead+Wind 150 deg - Service	29.460	2.684	4.701	362.724	-206.217	0.521
Dead+Wind 180 deg - Service	29.460	0.000	5.440	419.762	0.468	0.276

Load Combination	Vertical K	Shear _x K	Shear _z K	Overturning Moment, M _x kip-ft	Overturning Moment, M _z kip-ft	Torque kip-ft
Dead+Wind 210 deg - Service	29.460	-2.684	4.701	362.724	207.153	-0.043
Dead+Wind 240 deg - Service	29.460	-4.629	2.712	209.234	356.863	-0.261
Dead+Wind 270 deg - Service	29.460	-5.325	0.013	1.132	410.319	-0.364
Dead+Wind 300 deg - Service	29.460	-4.630	-2.704	-208.476	356.946	-0.543
Dead+Wind 330 deg - Service	29.460	-2.691	-4.697	-362.301	207.739	-0.549

Solution Summary

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
1	0.000	-29.460	0.000	0.000	29.460	0.000	0.000%
2	0.000	-35.352	-27.490	0.000	35.352	27.490	0.001%
3	0.000	-26.514	-27.490	0.000	26.514	27.490	0.001%
4	13.637	-35.352	-23.804	-13.637	35.352	23.804	0.000%
5	13.637	-26.514	-23.804	-13.637	26.514	23.804	0.000%
6	23.464	-35.352	-13.701	-23.464	35.352	13.701	0.000%
7	23.464	-26.514	-13.701	-23.464	26.514	13.701	0.000%
8	26.983	-35.352	0.068	-26.983	35.352	-0.068	0.000%
9	26.983	-26.514	0.068	-26.983	26.514	-0.068	0.001%
10	23.458	-35.352	13.742	-23.458	35.352	-13.742	0.000%
11	23.458	-26.514	13.742	-23.458	26.514	-13.742	0.000%
12	13.601	-35.352	23.825	-13.601	35.352	-23.824	0.000%
13	13.601	-26.514	23.825	-13.601	26.514	-23.825	0.000%
14	0.000	-35.352	27.568	0.000	35.352	-27.568	0.001%
15	0.000	-26.514	27.568	0.000	26.514	-27.568	0.001%
16	-13.601	-35.352	23.825	13.601	35.352	-23.824	0.000%
17	-13.601	-26.514	23.825	13.601	26.514	-23.825	0.000%
18	-23.458	-35.352	13.742	23.458	35.352	-13.742	0.000%
19	-23.458	-26.514	13.742	23.458	26.514	-13.742	0.000%
20	-26.983	-35.352	0.068	26.983	35.352	-0.068	0.000%
21	-26.983	-26.514	0.068	26.983	26.514	-0.068	0.001%
22	-23.464	-35.352	-13.701	23.464	35.352	13.701	0.000%
23	-23.464	-26.514	-13.701	23.464	26.514	13.701	0.000%
24	-13.637	-35.352	-23.804	13.637	35.352	23.804	0.000%
25	-13.637	-26.514	-23.804	13.637	26.514	23.804	0.000%
26	0.000	-71.775	0.000	-0.000	71.775	0.000	0.000%
27	0.000	-71.775	-8.323	-0.000	71.775	8.323	0.000%
28	3.964	-71.775	-7.256	-3.964	71.775	7.256	0.000%
29	6.935	-71.775	-4.362	-6.935	71.775	4.362	0.000%
30	8.023	-71.775	0.003	-8.022	71.775	-0.003	0.000%
31	6.984	-71.775	4.088	-6.984	71.775	-4.088	0.000%
32	4.062	-71.775	7.076	-4.062	71.775	-7.076	0.000%
33	0.000	-71.775	8.208	-0.000	71.775	-8.208	0.000%
34	-4.062	-71.775	7.076	4.062	71.775	-7.076	0.000%
35	-6.984	-71.775	4.088	6.984	71.775	-4.088	0.000%
36	-8.023	-71.775	0.003	8.022	71.775	-0.003	0.000%
37	-6.935	-71.775	-4.362	6.935	71.775	4.362	0.000%
38	-3.964	-71.775	-7.256	3.964	71.775	7.256	0.000%
39	0.000	-29.460	-5.425	-0.000	29.460	5.425	0.002%
40	2.691	-29.460	-4.698	-2.691	29.460	4.697	0.002%
41	4.631	-29.460	-2.704	-4.630	29.460	2.704	0.002%
42	5.325	-29.460	0.013	-5.325	29.460	-0.013	0.002%
43	4.629	-29.460	2.712	-4.629	29.460	-2.712	0.002%
44	2.684	-29.460	4.702	-2.684	29.460	-4.701	0.002%
45	0.000	-29.460	5.441	-0.000	29.460	-5.440	0.002%
46	-2.684	-29.460	4.702	2.684	29.460	-4.701	0.002%
47	-4.629	-29.460	2.712	4.629	29.460	-2.712	0.002%
48	-5.325	-29.460	0.013	5.325	29.460	-0.013	0.002%
49	-4.631	-29.460	-2.704	4.630	29.460	2.704	0.002%
50	-2.691	-29.460	-4.698	2.691	29.460	4.697	0.002%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	6	0.00000001	0.00000001
2	Yes	9	0.00000001	0.00009936
3	Yes	9	0.00000001	0.00008376
4	Yes	10	0.00000001	0.00013963
5	Yes	10	0.00000001	0.00011268
6	Yes	10	0.00000001	0.00012246
7	Yes	10	0.00000001	0.00009877
8	Yes	10	0.00000001	0.00003512
9	Yes	9	0.00000001	0.00012700
10	Yes	11	0.00000001	0.00003114
11	Yes	10	0.00000001	0.00013004
12	Yes	10	0.00000001	0.00011897
13	Yes	10	0.00000001	0.00009578
14	Yes	9	0.00000001	0.00009951
15	Yes	9	0.00000001	0.00008385
16	Yes	10	0.00000001	0.00013171
17	Yes	10	0.00000001	0.00010610
18	Yes	10	0.00000001	0.00014774
19	Yes	10	0.00000001	0.00011948
20	Yes	10	0.00000001	0.00003515
21	Yes	9	0.00000001	0.00012709
22	Yes	10	0.00000001	0.00011777
23	Yes	10	0.00000001	0.00009493
24	Yes	11	0.00000001	0.00003141
25	Yes	10	0.00000001	0.00013093
26	Yes	6	0.00000001	0.00000684
27	Yes	10	0.00000001	0.00007522
28	Yes	10	0.00000001	0.00007985
29	Yes	10	0.00000001	0.00007994
30	Yes	10	0.00000001	0.00007237
31	Yes	10	0.00000001	0.00008008
32	Yes	10	0.00000001	0.00008045
33	Yes	10	0.00000001	0.00007556
34	Yes	10	0.00000001	0.00008126
35	Yes	10	0.00000001	0.00008050
36	Yes	10	0.00000001	0.00007337
37	Yes	10	0.00000001	0.00008072
38	Yes	10	0.00000001	0.00008101
39	Yes	8	0.00000001	0.00006973
40	Yes	8	0.00000001	0.00006655
41	Yes	8	0.00000001	0.00006464
42	Yes	8	0.00000001	0.00007057
43	Yes	8	0.00000001	0.00008229
44	Yes	8	0.00000001	0.00006742
45	Yes	8	0.00000001	0.00006995
46	Yes	8	0.00000001	0.00006512
47	Yes	8	0.00000001	0.00006932
48	Yes	8	0.00000001	0.00007086
49	Yes	8	0.00000001	0.00006786
50	Yes	8	0.00000001	0.00007544

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	101.25 - 91	4.420	45	0.342	0.002
L2	91 - 45.88	3.689	45	0.337	0.001
L3	52.13 - 0	1.316	45	0.223	0.001

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
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Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
100.0000	VZS01 Antenna w/ Mount Pipe	45	4.330	0.342	0.002	140683
90.0000	7770 w/ Mount Pipe	45	3.618	0.336	0.001	59125
80.5000	PR-950	45	2.961	0.319	0.001	27506
80.0000	ring mount	45	2.927	0.318	0.001	26742

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	101.25 - 91	22.457	14	1.738	0.008
L2	91 - 45.88	18.744	14	1.712	0.007
L3	52.13 - 0	6.685	14	1.133	0.003

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
100.0000	VZS01 Antenna w/ Mount Pipe	14	22.002	1.736	0.008	27941
90.0000	7770 w/ Mount Pipe	14	18.385	1.707	0.007	11742
80.5000	PR-950	14	15.044	1.623	0.006	5433
80.0000	ring mount	14	14.873	1.617	0.006	5281

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L _u ft	KI/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
L1	101.25 - 91 (1)	TP35.24x33.08x0.25	10.250 0	0.0000	0.0	27.764 6	-6.012	1856.390	0.003
L2	91 - 45.88 (2)	TP45.53x35.24x0.3125	45.120 0	0.0000	0.0	43.436 3	-20.162	2902.820	0.007
L3	45.88 - 0 (3)	TP55.25x43.4796x0.375	52.130 0	0.0000	0.0	65.315 0	-35.338	4289.530	0.008

Pole Bending Design Data

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L1	101.25 - 91 (1)	TP35.24x33.08x0.25	82.688	1336.642	0.062	0.000	1336.642	0.000
L2	91 - 45.88 (2)	TP45.53x35.24x0.3125	830.910	2615.900	0.318	0.000	2615.900	0.000
L3	45.88 - 0 (3)	TP55.25x43.4796x0.375	2132.117	4845.283	0.440	0.000	4845.283	0.000

Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L1	101.25 - 91 (1)	TP35.24x33.08x0.25	9.639	928.196	0.010	0.000	2679.433	0.000
L2	91 - 45.88 (2)	TP45.53x35.24x0.3125	22.128	1451.410	0.015	1.397	5243.842	0.000
L3	45.88 - 0 (3)	TP55.25x43.4796x0.375	27.586	2144.770	0.013	1.396	9712.417	0.000

Pole Interaction Design Data

Section No.	Elevation ft	Ratio P_u ϕP_n	Ratio M_{ux} ϕM_{nx}	Ratio M_{uy} ϕM_{ny}	Ratio V_u ϕV_n	Ratio T_u ϕT_n	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	101.25 - 91 (1)	0.003	0.062	0.000	0.010	0.000	0.065	1.000	4.8.2
L2	91 - 45.88 (2)	0.007	0.318	0.000	0.015	0.000	0.325	1.000	4.8.2
L3	45.88 - 0 (3)	0.008	0.440	0.000	0.013	0.000	0.448	1.000	4.8.2

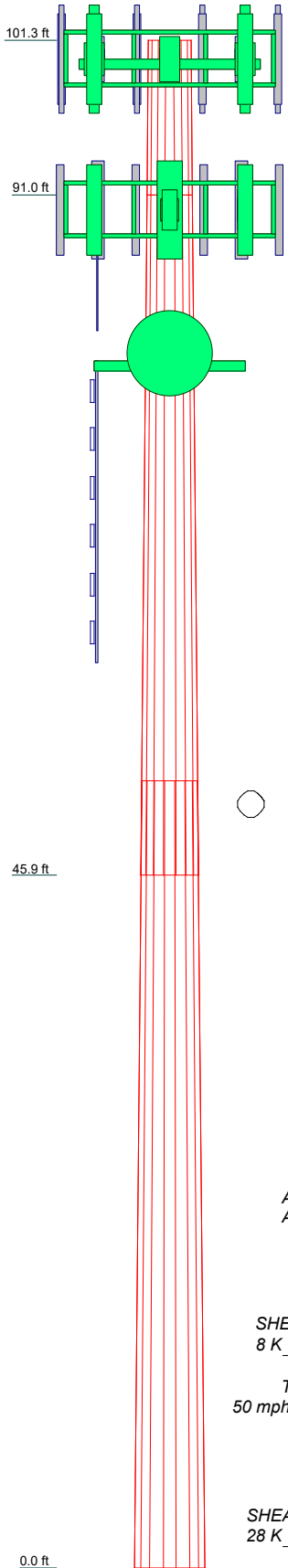
Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	101.25 - 91	Pole	TP35.24x33.08x0.25	1	-6.012	1856.390	6.5	Pass
L2	91 - 45.88	Pole	TP45.53x35.24x0.3125	2	-20.162	2902.820	32.5	Pass
L3	45.88 - 0	Pole	TP55.25x43.4796x0.375	3	-35.338	4289.530	44.8	Pass
							Summary	
							Pole (L3)	Pass
							RATING = 44.8	Pass

APPENDIX B

ADDITIONAL CALCULATIONS

Section	1	2	3	
Length (ft)	10.2500	45.1200	52.1300	
Number of Sides	18	18	18	
Thickness (in)	0.2500	0.3125	0.3750	
Socket Length (ft)		6.2500	43.4796	
Top Dia (in)	33.0800	35.2400	55.2500	
Bot Dia (in)	35.2400	45.5300		
Grade	A572-65			
Weight (K)	0.9	6.1	10.3	17.4



DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
VZS01 Antenna w/ Mount Pipe	100	(2) HPA65R-BU6A_TIA w/ Mount Pipe	90
VZS01 Antenna w/ Mount Pipe	100	(2) HPA65R-BU6A_TIA w/ Mount Pipe	90
VZS01 Antenna w/ Mount Pipe	100	(2) HPA65R-BU6A_TIA w/ Mount Pipe	90
(2) SC-E 6016 rev2 w/ Mount Pipe	100	80010965_TIA w/ Mount Pipe	90
(2) SC-E 6016 rev2 w/ Mount Pipe	100	80010965_TIA w/ Mount Pipe	90
(2) SC-E 6016 rev2 w/ Mount Pipe	100	80010965_TIA w/ Mount Pipe	90
(2) NHH-65B-R2B_TIA w/ Mount Pipe	100	8843	90
(2) NHH-65B-R2B_TIA w/ Mount Pipe	100	8843	90
(2) NHH-65B-R2B_TIA w/ Mount Pipe	100	8843	90
B2/B66A RRH-BR049	100	4449	90
B2/B66A RRH-BR049	100	4449	90
B2/B66A RRH-BR049	100	4449	90
B5/B13 RRH-BR04C	100	RADIO 4415	90
B5/B13 RRH-BR04C	100	RADIO 4415	90
B5/B13 RRH-BR04C	100	RADIO 4415	90
(2) DB-T1-6Z-12AB-0Z	100	DC6-48-60-18-8F	90
Platform Mount [LP 1201-1_KCKR-HR-1]	100	DC6-48-60-18-8F	90
(3) BSAMNT-SBS-1-2 (Mount Bracket)	100	DC6-48-60-18-8F	90
7770 w/ Mount Pipe	90	Platform Mount [LP 1202-1_HR-1]	90
7770 w/ Mount Pipe	90	PR-950	80.5
7770 w/ Mount Pipe	90	T-frame	80
(2) LGP21401	90	20' 4-Bay Dipole	80
(2) LGP21401	90	(2) 1" x 8' Omni	80
(2) LGP21401	90	ring mount	80

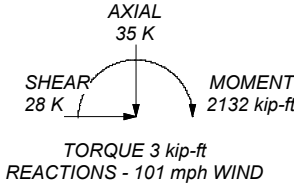
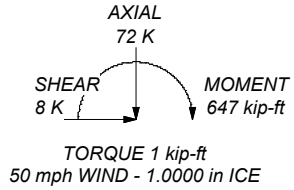
MATERIAL STRENGTH

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

TOWER DESIGN NOTES

- Tower is located in Tolland County, Connecticut.
- Tower designed for Exposure C to the TIA-222-G Standard.
- Tower designed for a 101 mph basic wind in accordance with the TIA-222-G Standard.
- Tower is also designed for a 50 mph basic wind with 1.00 in ice. Ice is considered to increase in thickness with height.
- Deflections are based upon a 60 mph wind.
- Tower Structure Class II.
- Topographic Category 1 with Crest Height of 0.0000 ft
- TOWER RATING: 44.8%

ALL REACTIONS ARE FACTORED



Paul J. Ford and Company
250 East Broad Street, STE 600
Columbus, Ohio
Phone: 614-221-6679
FAX:

Job: **101-Ft Monopole / Mainsfield CT**

Project: **PJF 42921-0007**

Client: **On Air Engineering**

Drawn by: **mclopez**

App'd:

Code: **TIA-222-G**

Date: **03/24/21**

Scale: **NTS**

Path:

Dwg No. **E-1**

G:\TOWER\429 - On Air Engineering\2021\42921-0007 - Mainsfield - CT\42921-0007\001 7805 - SAIA\42921-0007\001 7805.dwg

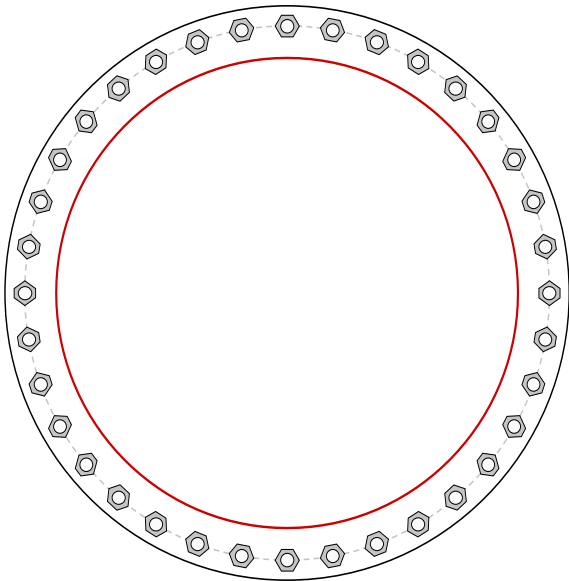
Monopole Flange Plate Connection

Elevation = 91 ft.

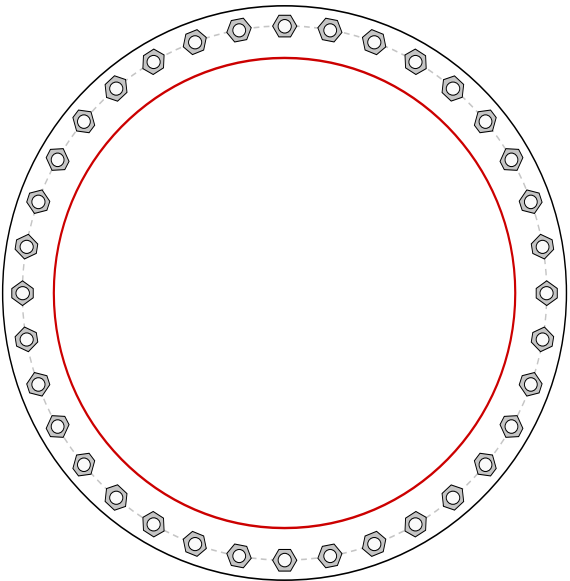
TIA-222 Revision	G
------------------	---

Applied Loads	
Moment (kip-ft)	82.69
Axial Force (kips)	6.01
Shear Force (kips)	9.64

Top Plate - External



Bottom Plate - External



Connection Properties

Bolt Data

(36) 1" $\varnothing$ bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 40" BC

Top Plate Data
43" OD x 1.75" Plate (A572-50; Fy=50 ksi, Fu=65 ksi)

Top Stiffener Data
N/A

Top Pole Data
35.24" x 0.25" 18-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)

Bottom Plate Data
43" OD x 1.75" Plate (A572-50; Fy=50 ksi, Fu=65 ksi)

Bottom Stiffener Data
N/A

Bottom Pole Data
35.24" x 0.3125" 18-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	2.59
Allowable (kips)	54.54
Stress Rating:	4.7% Pass

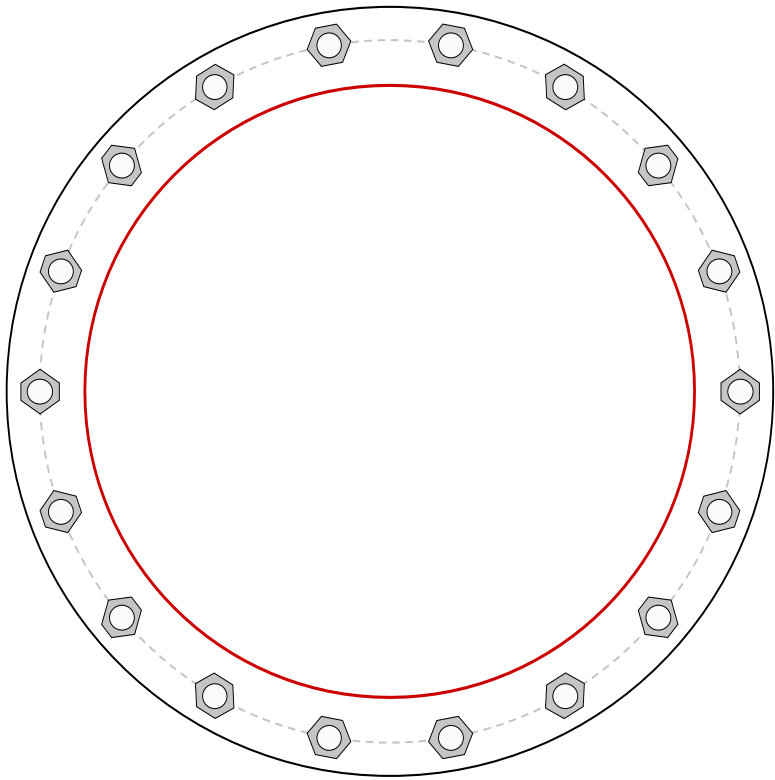
Top Plate Capacity		
Max Stress (ksi):	1.78	(Flexural)
Allowable Stress (ksi):	45.00	
Stress Rating:	3.9%	Pass
Tension Side Stress Rating:	2.1%	Pass

Bottom Plate Capacity		
Max Stress (ksi):	1.78	(Flexural)
Allowable Stress (ksi):	45.00	
Stress Rating:	3.9%	Pass
Tension Side Stress Rating:	2.1%	Pass

Monopole Base Plate Connection

Analysis Considerations	
TIA-222 Revision	G
Grout Considered:	No
l_{ar} (in)	0
Eta Factor, η	0.5

Applied Loads	
Moment (kip-ft)	2132.07
Axial Force (kips)	35.25
Shear Force (kips)	27.59



Connection Properties		Analysis Results	
Anchor Rod Data		Anchor Rod Summary <i>(units of kips, kip-in)</i>	
(18) 2-1/4" $\varnothing$ bolts (A615-75 N; F_y =75 ksi, F_u =100 ksi) on 63.5" BC		Pu_c = 91.45	ϕPn_t = 260 Stress Rating
Base Plate Data		Vu = 1.53	ϕVn = n/a 36.4%
69.5" OD x 3" Plate (A572-50; F_y =50 ksi, F_u =65 ksi)		Mu = n/a	ϕMn = n/a Pass
Stiffener Data		Base Plate Summary	
N/A		Max Stress (ksi):	10.76 (Flexural)
Pole Data		Allowable Stress (ksi):	45
55.25" x 0.375" 18-sided pole (A572-65; F_y =65 ksi, F_u =80 ksi)		Stress Rating:	23.9% Pass

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

Factored Base Reactions from RISA

	Comp. (+)	Tension (-)	
Moment, Mu =	2132.0		k-ft
Shear, Vu =	28.0		kips
Axial Load, Pu1 =	35.0		kips (from 1.2D + 1.6W)*
Axial Load, Pu2 =	26.3	0.0	kips (from 0.9D + 1.6W)**
OTMu =	2160.0	0.0	k-ft @ Ground

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

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

Drilled Pier Parameters

Diameter =	7	ft
Height Above Grade =	1	ft
Depth Below Grade =	27	ft
fc' =	4	ksi
εc =	0.003	in/in
L / D Ratio =	4.00	

Mat Ftdn. Cap Width =		ft
Mat Ftdn. Cap Length =		ft
Depth Below Grade =		ft

Steel Parameters

Number of Bars =	21	
Rebar Size =	#11	
Rebar Fy =	60	ksi
Rebar MOE =	29000	ksi
Tie Size =	#5	
Side Clear Cover to Ties =	4	in

Direct Embed Pole Shaft Parameters

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

Define Soil Layers

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

Layer	Thickness ft	Unit Weight pcf	Cohesion psf	Friction Angle degrees	Soil Type	Ultimate End Bearing psf	Comp. Ult. Skin Friction psf	Tension Ult. Skin Friction psf	Depth ft
1	4	135		34					4
2	4	135		34			800		8
3	7	120		34			800		15
4	15	120		34		4000			30
5									
6									
7									
8									
9									
10									
11									
12									

Soil Results: Overturning

Depth to COR =	19.41	ft, from Grade
Bending Moment, Mu =	2703.61	k-ft, from COR
Resisting Moment, ΦMn =	12820.43	k-ft, from COR

MOMENT RATIO = 21.1% OK

Shear, Vu =	28.00	kips
Resisting Shear, ΦVn =	132.78	kips

SHEAR RATIO = 21.1% OK

Soil Results: Uplift

Uplift, Tu =	0.00	kips
Uplift Capacity, ΦTn =	134.66	kips

UPLIFT RATIO = 0.0% OK

Soil Results: Compression

Compression, Cu =	35.00	kips
Comp. Capacity, ΦCn =	221.80	kips

COMPRESSION RATIO = 15.8% OK

Steel Results (ACI 318-08):

Minimum Steel Area =	18.47	sq in
Actual Steel Area =	32.76	sq in
Axial, ΦPn (min) =	-1769.04	kips, Where ΦMn = 0 k-ft
Axial, ΦPn (max) =	10762.04	kips, Where ΦMn = 0 k-ft

Axial Load, Pu =	22.23	kips @ 7.75 ft Below Grade
Moment, Mu =	2306.58	k-ft @ 7.75 ft Below Grade
Moment, ΦMn =	5236.09	k-ft

MOMENT RATIO = 44.1% OK

Safety Factors / Load Factors / Φ Factors

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

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

Load Combinations Checked per TIA-222-G

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

Soil Parameters

Water Table Depth =	22.00	ft
Depth to Ignore Soil =	3.50	ft
Depth to Full Cohesion =	0	ft
Full Cohesion Starts at?*	Ground	
Above Full Cohesion Lateral Resistance = 4(Cohesion)(Dia)(H)		
Below Full Cohesion Lateral Resistance = 8(Cohesion)(Dia)(H)		

Maximum Capacity Ratios

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

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

Date: **April 21, 2021**

Andrew Leone
Verizon Wireless
118 Flanders Road
Westborough, MA 01581

Paul J. Ford & Company
250 East Broad Street, Suite 600
Columbus, OH 43215
614.221.6679

Re: Meriden E CT – L-Sub6/VZS01 Verizon Project

Structure: Existing 101-ft Monopole
Site Name: Mansfield SW CT
Site Address: 138 Main Street
City, County, State: Coventry, Tolland County, CT
Latitude, Longitude: 41.752483, -72.269047

PJF Project: A42921-0007.001.7805

Dear Mr. Leone,

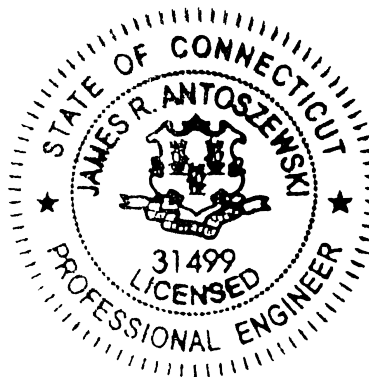
I am writing this letter to confirm that the Samsung 64T64R MMU antenna (referenced in the report as the VZS01 antenna) was used in Paul J. Ford & Company's Structural Analysis dated 3/25/2021 for the tower described above.

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

Respectfully submitted by:



Seth Tschanen, P.E.
Project Engineer
stschanen@pauljford.com



04/21/2021



Maser Consulting Connecticut
2000 Midlantic Drive, Suite 100
Mt. Laurel, NJ 08054
(856) 7970412
greg.dulnik@colliersengineering.com

Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10025419
Maser Consulting Connecticut Project #: 20777367A

April 28, 2021

Site Information

Site ID: 467468-VZW / Mansfield SW CT
Site Name: Mansfield SW CT
Carrier Name: Verizon Wireless
Address: 138 Main St
Coventry, Connecticut 06238
Tolland County
Latitude: 41.752483°
Longitude: -72.269047°

Structure Information

Tower Type: 102-Ft Monopole
Mount Type: 13.24-Ft Platform

FUZE ID # 16244617

Analysis Results

Platform: 72.3% Pass

*****Contractor PMI Requirements:**

Included at the end of this MA report

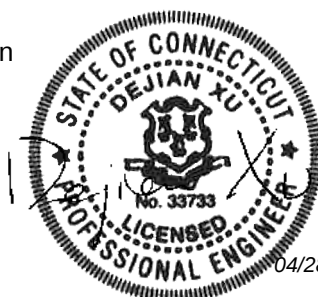
Available & Submitted via portal at <https://pmi.vzwsmart.com>

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: Selene Chen



04/28/2021

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
<i>Radio Frequency Data Sheet (RFDS)</i>	<i>Verizon RFDS, Site ID: 606705, dated March 18, 2021</i>
<i>Mount Mapping Report</i>	<i>Tower Engineering Professionals, Site ID: 467468, dated November 11, 2020</i>
<i>Previous Mount Analysis</i>	<i>Maser Consulting Connecticut, Project # 20777367A, dated November 24, 2020</i>
<i>Mount Modification Drawing</i>	<i>Maser Consulting Connecticut, Project # 20777367A, dated April 28, 2021</i>

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT} : 120 mph
	Ice Wind Speed (3-sec. Gust): 50 mph
	Design Ice Thickness: 1.00 in
	Risk Category: II
	Exposure Category: C
	Topographic Category: 1
	Topographic Feature Considered: N/A
	Topographic Method: N/A
	Ground Elevation Factor, K_e : 0.990
Seismic Parameters:	S_s : 0.190
	S_1 : 0.055
Maintenance Parameters:	Wind Speed (3-sec. Gust): 30 mph
	Maintenance Live Load, L_v : 250 lbs.
	Maintenance Live Load, L_m : 500 lbs.
Analysis Software:	RISA-3D (V17)

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
97.50	100.00	6	Swedcom	SCE6016REV2	Retained
		6	Commscope	NHH-65B-R2B	Added
		3	Samsung	MT6407-77A	
		3	Samsung	B2/B66A RRH-BR049 (RFV01U-D1A)	
		3	Samsung	B5/B13 RRH-BR04C (RFV01U-D2A)	
		2	RFS	DB-T1-6Z-12AB-0Z	

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:

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

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
<i>Mod Kicker</i>	<i>14.6%</i>	<i>Pass</i>
<i>Mod Support Rail Angle</i>	<i>28.0%</i>	<i>Pass</i>
<i>Mod Support Rail</i>	<i>21.7%</i>	<i>Pass</i>
<i>Mount Pipe</i>	<i>37.2%</i>	<i>Pass</i>
<i>Grating Support Angle</i>	<i>1.2%</i>	<i>Pass</i>
<i>Standoff Horizontal</i>	<i>28.5%</i>	<i>Pass</i>
<i>Face Horizontal</i>	<i>20.3%</i>	<i>Pass</i>
<i>Connection Check</i>	<i>72.3%</i>	<i>Pass</i>

Structure Rating – (Controlling Utilization of all Components)	72.3%
---	--------------

Recommendation:

The existing mount will be **SUFFICIENT** for the final loading after the proposed modifications are successfully completed.

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

Attachments:

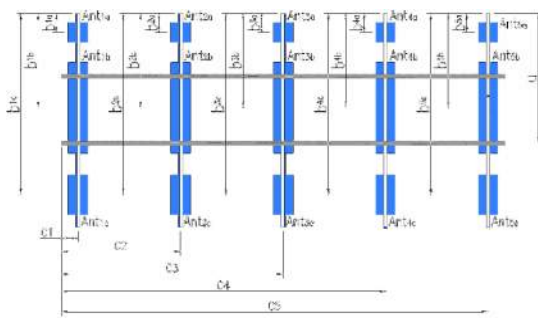
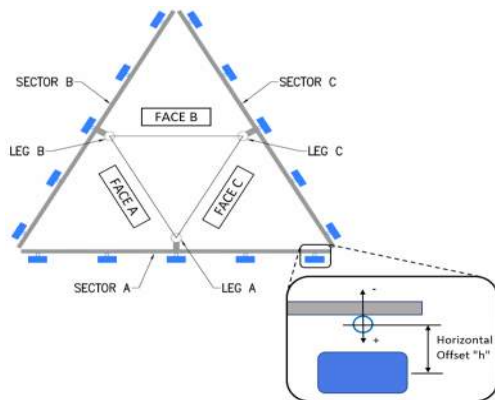
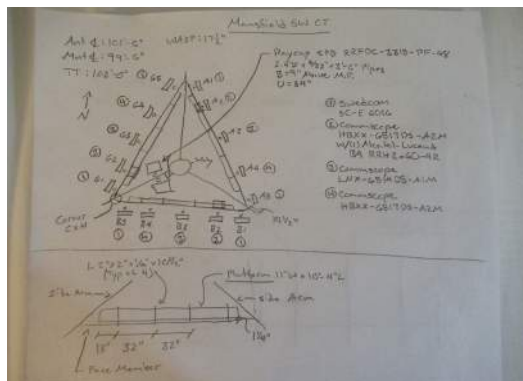
1. Mount Photos
2. Mount Mapping Report (for reference only)
3. Analysis Calculations
- 4. Contractor Required PMI Report Deliverables**
5. Antenna Placement Diagrams
6. TIA Adoption and Wind Speed Usage Letter



N/A

Tower Owner:	Unknown	Mapping Date:	11/11/2020
Site Name:	Mansfield SW CT	Tower Type:	Monopole
Site Number or ID:	467468	Tower Height (Ft.):	102
Mapping Contractor:	TEP	Mount Elevation (Ft.):	99.5

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Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]							
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "y"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "y"	Horizontal Offset "C1, C2, C3, etc."
A1	2.4"Øx0.1563"x102"	58.00	15.00	C1	2.4"Øx0.1563"x102"	58.00	15.00
A2	2.4"Øx0.1563"x100.25"	58.50	41.00	C2	2.4"Øx0.1563"x100.25"	58.50	41.00
A3	2.4"Øx0.1563"x102"	60.00	84.50	C3	2.4"Øx0.1563"x102"	60.00	84.50
A4	2.4"Øx0.1563"x102"	57.25	125.25	C4	2.4"Øx0.1563"x102"	57.25	125.25
A5	2.4"Øx0.1563"x102"	57.00	150.75	C5	2.4"Øx0.1563"x102"	57.50	150.75
A6				C6			
B1	2.4"Øx0.1563"x102"	58.00	15.00	D1			
B2	2.4"Øx0.1563"x100.25"	58.50	41.00	D2			
B3	2.4"Øx0.1563"x102"	60.00	84.50	D3			
B4	2.4"Øx0.1563"x102"	57.25	125.25	D4			
B5	2.4"Øx0.1563"x102"	57.50	150.75	D5			
B6				D6			
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :							0.00
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :							
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :							2
Please enter additional information or comments below.							
Tower Face Width at Mount Elev. (ft.):			Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):				24

[illegible]

1		
2		
3		
4		
5		
6		
7		
8		

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



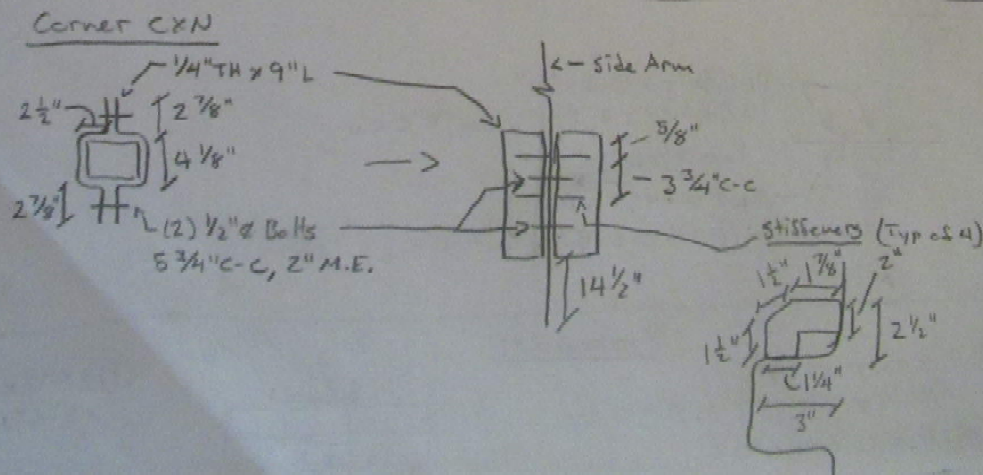
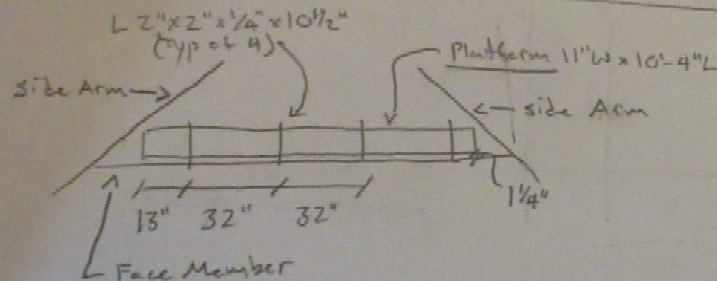
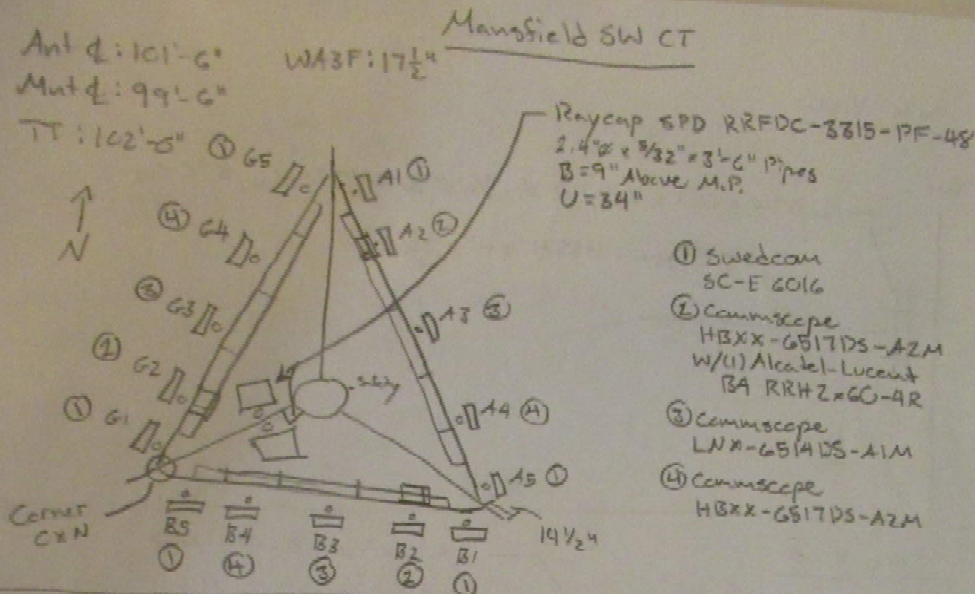
Antenna Mount Mapping Form (PATENT PENDING)

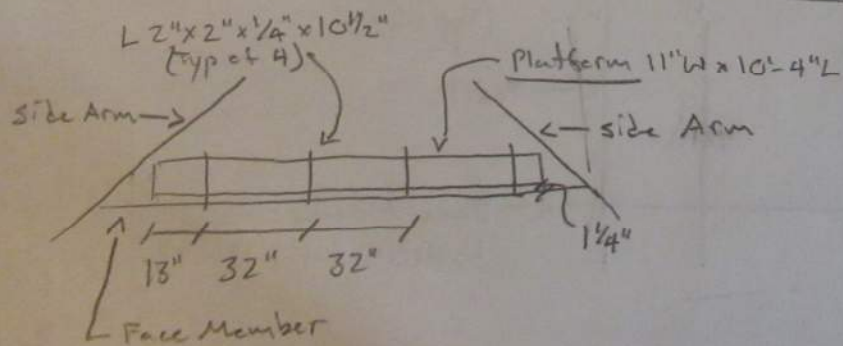
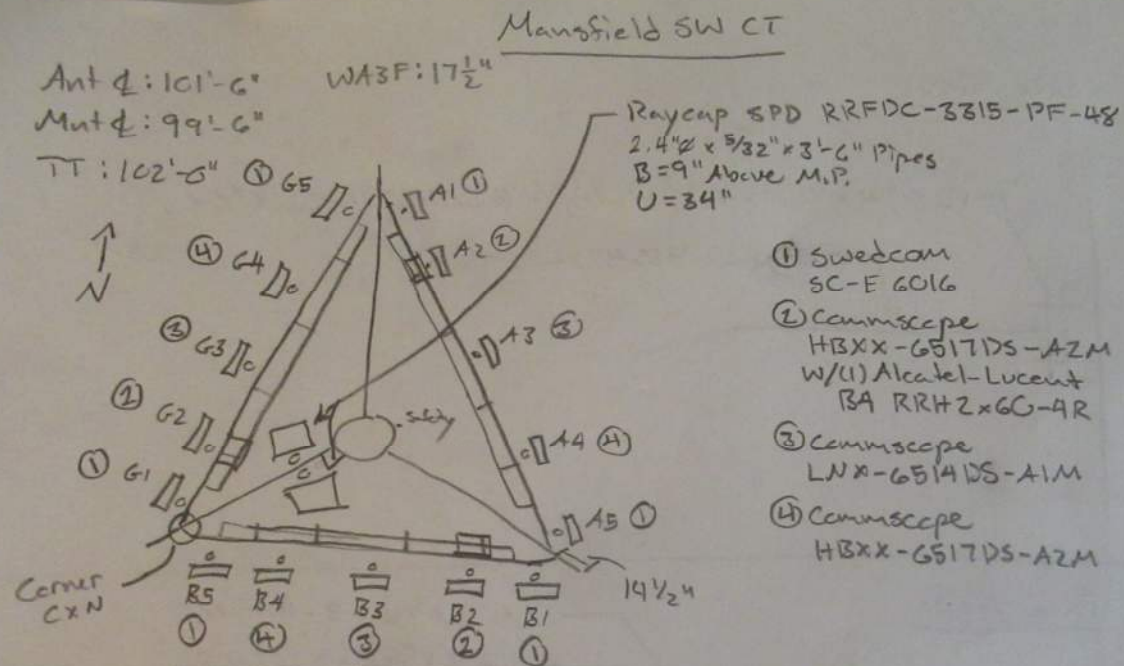
FCC #
N/A

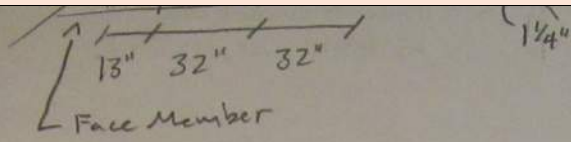
Tower Owner:	Unknown	Mapping Date:	11/11/2020
Site Name:	Mansfield SW CT	Tower Type:	Monopole
Site Number or ID:	467468	Tower Height (Ft.):	102
Mapping Contractor:	TEP	Mount Elevation (Ft.):	99.5

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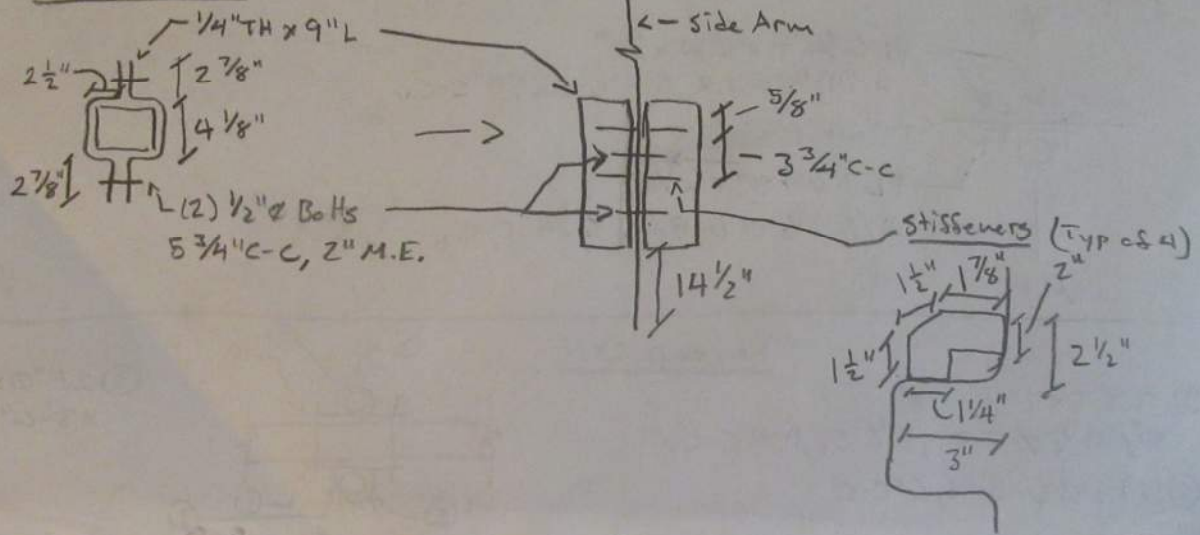
Please Insert Sketches of the Antenna Mount

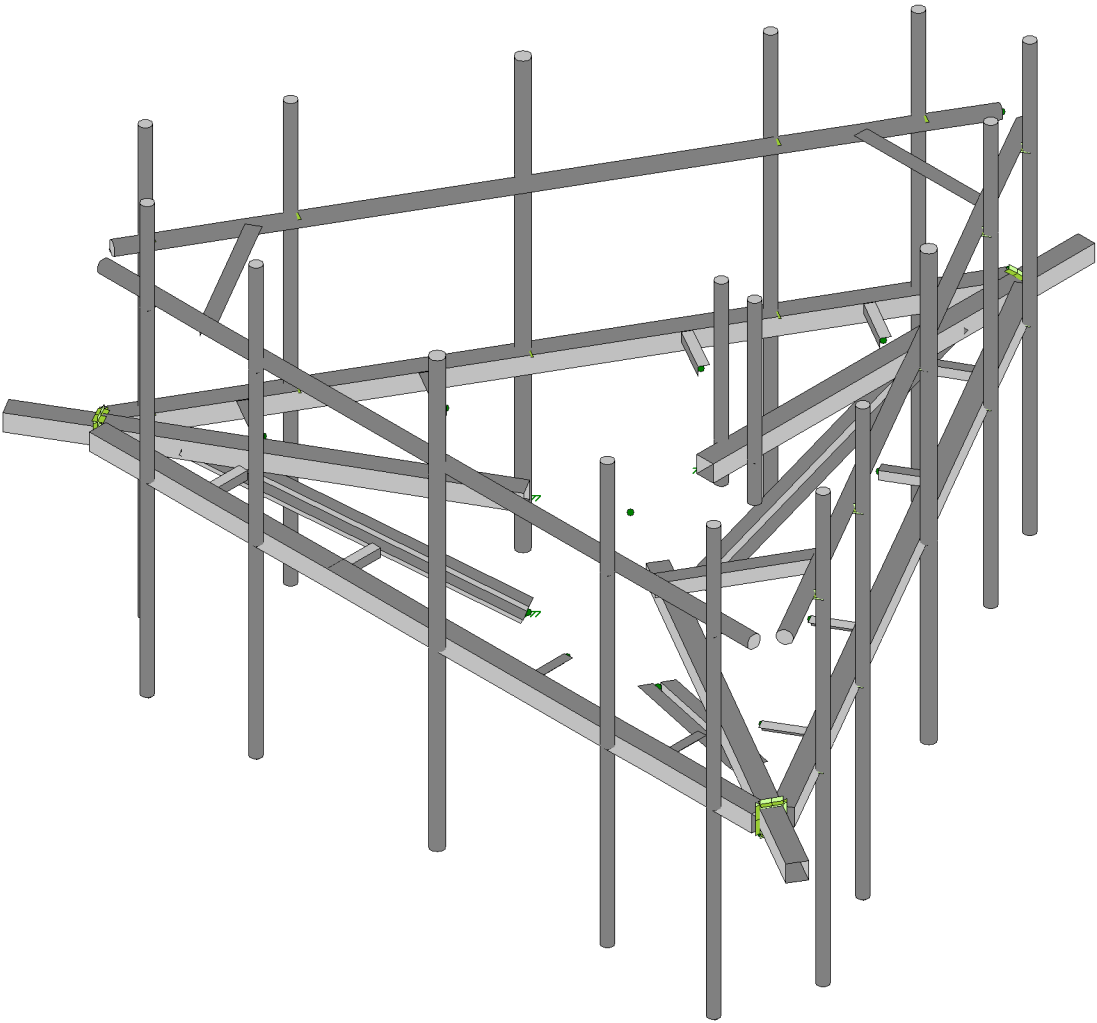
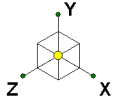






Corner CxN





Envelope Only Solution

		SK - 1
		Apr 28, 2021 at 10:29 AM
		LOADED_467468-VZW_MT_LO_H....

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BLC Description		Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...		Surface(P...
1	Antenna D	None					114			
2	Antenna Di	None					114			
3	Antenna W o (0 Deg)	None					114			
4	Antenna W o (30 Deg)	None					114			
5	Antenna W o (60 Deg)	None					114			
6	Antenna W o (90 Deg)	None					114			
7	Antenna W o (120 Deg)	None					114			
8	Antenna W o (150 Deg)	None					114			
9	Antenna W o (180 Deg)	None					114			
10	Antenna W o (210 Deg)	None					114			
11	Antenna W o (240 Deg)	None					114			
12	Antenna W o (270 Deg)	None					114			
13	Antenna W o (300 Deg)	None					114			
14	Antenna W o (330 Deg)	None					114			
15	Antenna W i (0 Deg)	None					114			
16	Antenna W i (30 Deg)	None					114			
17	Antenna W i (60 Deg)	None					114			
18	Antenna W i (90 Deg)	None					114			
19	Antenna W i (120 Deg)	None					114			
20	Antenna W i (150 Deg)	None					114			
21	Antenna W i (180 Deg)	None					114			
22	Antenna W i (210 Deg)	None					114			
23	Antenna W i (240 Deg)	None					114			
24	Antenna W i (270 Deg)	None					114			
25	Antenna W i (300 Deg)	None					114			
26	Antenna W i (330 Deg)	None					114			
27	Antenna W m (0 Deg)	None					114			
28	Antenna W m (30 Deg)	None					114			
29	Antenna W m (60 Deg)	None					114			
30	Antenna W m (90 Deg)	None					114			
31	Antenna W m (120 De...	None					114			
32	Antenna W m (150 De...	None					114			
33	Antenna W m (180 De...	None					114			
34	Antenna W m (210 De...	None					114			
35	Antenna W m (240 De...	None					114			
36	Antenna W m (270 De...	None					114			
37	Antenna W m (300 De...	None					114			
38	Antenna W m (330 De...	None					114			
39	Structure D	None		-1					3	
40	Structure Di	None						44	3	
41	Structure Wo (0 Deg)	None						88		
42	Structure Wo (30 Deg)	None						88		
43	Structure Wo (60 Deg)	None						88		
44	Structure Wo (90 Deg)	None						88		
45	Structure Wo (120 D...	None						88		
46	Structure Wo (150 D...	None						88		
47	Structure Wo (180 D...	None						88		
48	Structure Wo (210 D...	None						88		
49	Structure Wo (240 D...	None						88		
50	Structure Wo (270 D...	None						88		
51	Structure Wo (300 D...	None						88		

Company :
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Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...	Surface(P...
52	Structure Wo (330 D...	None						88	
53	Structure Wi (0 Deg)	None						88	
54	Structure Wi (30 Deg)	None						88	
55	Structure Wi (60 Deg)	None						88	
56	Structure Wi (90 Deg)	None						88	
57	Structure Wi (120 De...	None						88	
58	Structure Wi (150 De...	None						88	
59	Structure Wi (180 De...	None						88	
60	Structure Wi (210 De...	None						88	
61	Structure Wi (240 De...	None						88	
62	Structure Wi (270 De...	None						88	
63	Structure Wi (300 De...	None						88	
64	Structure Wi (330 De...	None						88	
65	Structure Wm (0 Deg)	None						88	
66	Structure Wm (30 D...	None						88	
67	Structure Wm (60 D...	None						88	
68	Structure Wm (90 D...	None						88	
69	Structure Wm (120 ...	None						88	
70	Structure Wm (150 ...	None						88	
71	Structure Wm (180 ...	None						88	
72	Structure Wm (210 ...	None						88	
73	Structure Wm (240 ...	None						88	
74	Structure Wm (270 ...	None						88	
75	Structure Wm (300 ...	None						88	
76	Structure Wm (330 ...	None						88	
77	Lm1	None					1		
78	Lm2	None					1		
79	Lv1	None					1		
80	Lv2	None					1		
81	BLC 39 Transient Are...	None						36	
82	BLC 40 Transient Are...	None						39	

Load Combinations

	Description	Solve	PDelta	S...	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..	BLCFac..
1	1.2D+1.0Wo (0...	Yes	Y		1	1.2	39	1.2	3	1	41	1								
2	1.2D+1.0Wo (3...	Yes	Y		1	1.2	39	1.2	4	1	42	1								
3	1.2D+1.0Wo (6...	Yes	Y		1	1.2	39	1.2	5	1	43	1								
4	1.2D+1.0Wo (9...	Yes	Y		1	1.2	39	1.2	6	1	44	1								
5	1.2D+1.0Wo (1...	Yes	Y		1	1.2	39	1.2	7	1	45	1								
6	1.2D+1.0Wo (1...	Yes	Y		1	1.2	39	1.2	8	1	46	1								
7	1.2D+1.0Wo (1...	Yes	Y		1	1.2	39	1.2	9	1	47	1								
8	1.2D+1.0Wo (2...	Yes	Y		1	1.2	39	1.2	10	1	48	1								
9	1.2D+1.0Wo (2...	Yes	Y		1	1.2	39	1.2	11	1	49	1								
10	1.2D+1.0Wo (2...	Yes	Y		1	1.2	39	1.2	12	1	50	1								
11	1.2D+1.0Wo (3...	Yes	Y		1	1.2	39	1.2	13	1	51	1								
12	1.2D+1.0Wo (3...	Yes	Y		1	1.2	39	1.2	14	1	52	1								
13	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1				
14	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1				
15	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1				
16	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1				

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Load Combinations (Continued)

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

Company :
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Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N3	0	0	-1.5	0	
2	N27	0	0	-9.125	0	
3	CP	0	0	0	0	
4	N5	0	0	-7.739583	0	
5	N6	0.166667	0	-7.739583	0	
6	N7	-0.166667	0	-7.739583	0	
7	N8	0	.25	-7.739583	0	
8	N9	0.166667	.25	-7.739583	0	
9	N10	-0.166667	.25	-7.739583	0	
10	N11	0	-.25	-7.739583	0	
11	N12	0.166667	-.25	-7.739583	0	
12	N13	-0.166667	-.25	-7.739583	0	
13	N17	-6.702676	0	3.869792	0	
14	N18	-6.786009	0	3.725454	0	
15	N19	-6.619342	0	4.014129	0	
16	N20	-6.702676	.25	3.869792	0	
17	N21	-6.786009	.25	3.725454	0	
18	N22	-6.619342	.25	4.014129	0	
19	N23	-6.702676	-.25	3.869792	0	
20	N24	-6.786009	-.25	3.725454	0	
21	N25	-6.619342	-.25	4.014129	0	
22	N29	6.702676	0	3.869792	0	
23	N30	6.619342	0	4.014129	0	
24	N31	6.786009	0	3.725454	0	
25	N32	6.702676	.25	3.869792	0	
26	N33	6.619342	.25	4.014129	0	
27	N34	6.786009	.25	3.725454	0	
28	N35	6.702676	-.25	3.869792	0	
29	N36	6.619342	-.25	4.014129	0	
30	N37	6.786009	-.25	3.725454	0	
31	N31A	-1.299038	0	.75	0	
32	N32A	-7.902482	0	4.5625	0	
33	N33A	1.299038	0	.75	0	
34	N34A	7.902482	0	4.5625	0	
35	N35A	-4.536009	0	4.014129	0	
36	N36A	-1.869342	0	4.014129	0	
37	N38	4.536009	0	4.014129	0	
38	N39	1.869342	0	4.014129	0	
39	N39A	-4.536009	0	3.139129	0	
40	N40	-1.869342	0	3.139129	0	
41	N41	4.536009	0	3.139129	0	
42	N42	1.869342	0	3.139129	0	
43	N43	5.744342	0	1.921235	0	
44	N44	4.411009	0	-0.388167	0	
45	N45	1.208333	0	-5.935364	0	
46	N46	2.541667	0	-3.625963	0	
47	N47	4.98657	0	2.358735	0	
48	N48	3.653237	0	0.049333	0	
49	N49	0.450561	0	-5.497864	0	
50	N50	1.783894	0	-3.188463	0	
51	N51	-1.208333	0	-5.935364	0	

Company :
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Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
52	N52	-2.541667	0	-3.625963	0	
53	N53	-5.744342	0	1.921235	0	
54	N54	-4.411009	0	-0.388167	0	
55	N55	-0.450561	0	-5.497864	0	
56	N56	-1.783894	0	-3.188463	0	
57	N57	-4.98657	0	2.358735	0	
58	N58	-3.653237	0	0.049333	0	
59	N59	0	0	-2.166667	0	
60	N60	0.333333	0	-2.166667	0	
61	N61	-0.333333	0	-2.166667	0	
62	N62	0.333333	-.75	-2.166667	0	
63	N63	-0.333333	-.75	-2.166667	0	
64	N64	0.333333	2.75	-2.166667	0	
65	N65	-0.333333	2.75	-2.166667	0	
66	N66	-5.369342	0	4.014129	0	
67	N67	-3.202676	0	4.014129	0	
68	N68	0.422324	0	4.014129	0	
69	N69	3.818158	0	4.014129	0	
70	N70	5.943158	0	4.014129	0	
71	N71	-5.369342	0	4.264129	0	
72	N72	-3.202676	0	4.264129	0	
73	N73	0.422324	0	4.264129	0	
74	N74	3.818158	0	4.264129	0	
75	N75	5.943158	0	4.264129	0	
76	N76	-5.369342	4.791667	4.264129	0	
77	N77	-3.202676	4.8125	4.264129	0	
78	N78	0.422324	5.041667	4.264129	0	
79	N79	3.818158	4.916667	4.264129	0	
80	N80	5.943158	4.875	4.264129	0	
81	N81	-5.369342	-3.708333	4.264129	0	
82	N82	-3.202676	-3.6875	4.264129	0	
83	N83	0.422324	-3.458333	4.264129	0	
84	N84	3.818158	-3.4375	4.264129	0	
85	N85	5.943158	-3.625	4.264129	0	
86	N86	6.161009	0	2.642922	0	
87	N87	5.077676	0	0.766534	0	
88	N88	3.265176	0	-2.372808	0	
89	N89	1.567259	0	-5.313686	0	
90	N90	0.504759	0	-7.15399	0	
91	N91	6.377515	0	2.517922	0	
92	N92	5.294182	0	0.641534	0	
93	N93	3.481682	0	-2.497808	0	
94	N94	1.783765	0	-5.438686	0	
95	N95	0.721265	0	-7.27899	0	
96	N96	6.377515	4.791667	2.517922	0	
97	N97	5.294182	4.8125	0.641534	0	
98	N98	3.481682	5.041667	-2.497808	0	
99	N99	1.783765	4.916667	-5.438686	0	
100	N100	0.721265	4.875	-7.27899	0	
101	N101	6.377515	-3.708333	2.517922	0	
102	N102	5.294182	-3.6875	0.641534	0	
103	N103	3.481682	-3.458333	-2.497808	0	

Company :
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Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
104	N104	1.783765	-3.4375	-5.438686	0	
105	N105	0.721265	-3.625	-7.27899	0	
106	N106	-0.791667	0	-6.657052	0	
107	N107	-1.875	0	-4.780663	0	
108	N108	-3.6875	0	-1.641321	0	
109	N109	-5.385417	0	1.299557	0	
110	N110	-6.447917	0	3.139861	0	
111	N111	-1.008173	0	-6.782052	0	
112	N112	-2.091506	0	-4.905663	0	
113	N113	-3.904006	0	-1.766321	0	
114	N114	-5.601923	0	1.174557	0	
115	N115	-6.664423	0	3.014861	0	
116	N116	-1.008173	4.791667	-6.782052	0	
117	N117	-2.091506	4.8125	-4.905663	0	
118	N118	-3.904006	5.041667	-1.766321	0	
119	N119	-5.601923	4.916667	1.174557	0	
120	N120	-6.664423	4.875	3.014861	0	
121	N121	-1.008173	-3.708333	-6.782052	0	
122	N122	-2.091506	-3.6875	-4.905663	0	
123	N123	-3.904006	-3.458333	-1.766321	0	
124	N124	-5.601923	-3.4375	1.174557	0	
125	N125	-6.664423	-3.625	3.014861	0	
126	N126	-5.369342	3	4.014129	0	
127	N127	-3.202676	3	4.014129	0	
128	N128	0.422324	3	4.014129	0	
129	N129	3.818158	3	4.014129	0	
130	N130	5.943158	3	4.014129	0	
131	N131	-5.369342	3	4.264129	0	
132	N132	-3.202676	3	4.264129	0	
133	N133	0.422324	3	4.264129	0	
134	N134	3.818158	3	4.264129	0	
135	N135	5.943158	3	4.264129	0	
136	N136	0	0	4.014129	0	
137	N137	0	3	4.014129	0	
138	N138	6.5	3	4.014129	0	
139	N139	-6.5	3	4.014129	0	
140	N140	6.161009	3	2.642922	0	
141	N141	5.077676	3	0.766534	0	
142	N142	3.265176	3	-2.372808	0	
143	N143	1.567259	3	-5.313686	0	
144	N144	0.504759	3	-7.15399	0	
145	N145	6.377515	3	2.517922	0	
146	N146	5.294182	3	0.641534	0	
147	N147	3.481682	3	-2.497808	0	
148	N148	1.783765	3	-5.438686	0	
149	N149	0.721265	3	-7.27899	0	
150	N150	3.476338	3	-2.007065	0	
151	N151	0.226338	3	-7.63623	0	
152	N152	6.726338	3	3.622101	0	
153	N153	-0.791667	3	-6.657052	0	
154	N154	-1.875	3	-4.780663	0	
155	N155	-3.6875	3	-1.641321	0	

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Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
156	N156	-5.385417	3	1.299557	0	
157	N157	-6.447917	3	3.139861	0	
158	N158	-1.008173	3	-6.782052	0	
159	N159	-2.091506	3	-4.905663	0	
160	N160	-3.904006	3	-1.766321	0	
161	N161	-5.601923	3	1.174557	0	
162	N162	-6.664423	3	3.014861	0	
163	N163	-3.476338	3	-2.007065	0	
164	N164	-6.726338	3	3.622101	0	
165	N165	-0.226338	3	-7.63623	0	
166	N166	-4.5	3	4.014129	0	
167	N167	4.5	3	4.014129	0	
168	N168	5.726338	3	1.89005	0	
169	N169	1.226338	3	-5.904179	0	
170	N170	-1.226338	3	-5.904179	0	
171	N171	-5.726338	3	1.89005	0	
172	N172	0	0	-6.5	0	
173	N173	0	-2	-1.5	0	
174	N174	-5.629165	0	3.25	0	
175	N175	-1.299038	-2	.75	0	
176	N176	5.629165	0	3.25	0	
177	N177	1.299038	-2	.75	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rul...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	HSS4X4X3	Beam	SquareTube	A500 Gr.B ...	Typical	2.58	6.21	6.21	10
2	Standoff Horizontal	HSS4X4X3	Beam	SquareTube	A500 Gr.B ...	Typical	2.58	6.21	6.21	10
3	Mount Pipe	PIPE 2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
4	Mod Support Rail	PIPE 2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
5	Grating Support Angle	L2x2x4	Column	Single Angle	A36 Gr.36	Typical	.944	.346	.346	.021
6	Mod Support Rail An...	L3X3X6	Column	Single Angle	A36 Gr.36	Typical	2.11	1.75	1.75	.101
7	Mod Kicker	LL3x3x3x6	Column	Double Angle (3..	A36 Gr.36	Typical	2.18	4.97	1.9	.027
8	Pipe 2.5	PIPE 2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E...	Density[k/ft...	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	.3	.65	.527	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	.3	.65	.527	46	1.4	58	1.3
6	A53 Gr.B	29000	11154	.3	.65	.49	35	1.6	60	1.2
7	A1085	29000	11154	.3	.65	.49	50	1.4	65	1.3
8	Q235	29000	11154	.3	.65	.49	35	1.5	58	1.2

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	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M4	N3	N27			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
2	M2	N7	N5			RIGID	None	None	RIGID	Typical
3	M3	N6	N5			RIGID	None	None	RIGID	Typical
4	M4A	N10	N8			RIGID	None	None	RIGID	Typical
5	M5	N9	N8			RIGID	None	None	RIGID	Typical
6	M6	N13	N11			RIGID	None	None	RIGID	Typical
7	M7	N12	N11			RIGID	None	None	RIGID	Typical
8	M8	N8	N5			RIGID	None	None	RIGID	Typical
9	M9	N11	N5			RIGID	None	None	RIGID	Typical
10	M10	N7	N10			RIGID	None	None	RIGID	Typical
11	M11	N6	N9			RIGID	None	None	RIGID	Typical
12	M12	N7	N13			RIGID	None	None	RIGID	Typical
13	M13	N6	N12			RIGID	None	None	RIGID	Typical
14	M15	N19	N17			RIGID	None	None	RIGID	Typical
15	M16	N18	N17			RIGID	None	None	RIGID	Typical
16	M17	N22	N20			RIGID	None	None	RIGID	Typical
17	M18	N21	N20			RIGID	None	None	RIGID	Typical
18	M19	N25	N23			RIGID	None	None	RIGID	Typical
19	M20	N24	N23			RIGID	None	None	RIGID	Typical
20	M21	N20	N17			RIGID	None	None	RIGID	Typical
21	M22	N23	N17			RIGID	None	None	RIGID	Typical
22	M23	N19	N22			RIGID	None	None	RIGID	Typical
23	M24	N18	N21			RIGID	None	None	RIGID	Typical
24	M25	N19	N25			RIGID	None	None	RIGID	Typical
25	M26	N18	N24			RIGID	None	None	RIGID	Typical
26	M28	N31	N29			RIGID	None	None	RIGID	Typical
27	M29	N30	N29			RIGID	None	None	RIGID	Typical
28	M30	N34	N32			RIGID	None	None	RIGID	Typical
29	M31	N33	N32			RIGID	None	None	RIGID	Typical
30	M32	N37	N35			RIGID	None	None	RIGID	Typical
31	M33	N36	N35			RIGID	None	None	RIGID	Typical
32	M34	N32	N29			RIGID	None	None	RIGID	Typical
33	M35	N35	N29			RIGID	None	None	RIGID	Typical
34	M36	N31	N34			RIGID	None	None	RIGID	Typical
35	M37	N30	N33			RIGID	None	None	RIGID	Typical
36	M38	N31	N37			RIGID	None	None	RIGID	Typical
37	M39	N30	N36			RIGID	None	None	RIGID	Typical
38	M40	N18	N7			Face Horizontal	Beam	SquareTube	A500 Gr.B...	Typical
39	M41	N6	N31			Face Horizontal	Beam	SquareTube	A500 Gr.B...	Typical
40	M42	N19	N30			Face Horizontal	Beam	SquareTube	A500 Gr.B...	Typical
41	M41A	N31A	N32A			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
42	M42A	N33A	N34A			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
43	M43	N39A	N35A		90	Grating Suppo...	Column	Single Angle	A36 Gr.36	Typical
44	M44	N40	N36A		90	Grating Suppo...	Column	Single Angle	A36 Gr.36	Typical
45	M45	N42	N39		180	Grating Suppo...	Column	Single Angle	A36 Gr.36	Typical
46	M46	N41	N38		180	Grating Suppo...	Column	Single Angle	A36 Gr.36	Typical
47	M47	N47	N43		90	Grating Suppo...	Column	Single Angle	A36 Gr.36	Typical
48	M48	N48	N44		90	Grating Suppo...	Column	Single Angle	A36 Gr.36	Typical
49	M49	N50	N46		180	Grating Suppo...	Column	Single Angle	A36 Gr.36	Typical
50	M50	N49	N45		180	Grating Suppo...	Column	Single Angle	A36 Gr.36	Typical
51	M51	N55	N51		90	Grating Suppo...	Column	Single Angle	A36 Gr.36	Typical

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Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
104	M104	N161	N156			RIGID	None	None	RIGID	Typical
105	M105	N162	N157			RIGID	None	None	RIGID	Typical
106	M106	N165	N164			Mod Support ...	Column	Pipe	A53 Gr.B	Typical
107	M107	N171	N166		180	Mod Support ...	Column	Single Angle	A36 Gr.36	Typical
108	M108	N167	N168		180	Mod Support ...	Column	Single Angle	A36 Gr.36	Typical
109	M109	N169	N170		180	Mod Support ...	Column	Single Angle	A36 Gr.36	Typical
110	M110	N173	N172			Mod Kicker	Column	Double Angle (...)	A36 Gr.36	Typical
111	M111	N175	N174			Mod Kicker	Column	Double Angle (...)	A36 Gr.36	Typical
112	M112	N177	N176			Mod Kicker	Column	Double Angle (...)	A36 Gr.36	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M4						Yes				None
2	M2		BenPIN				Yes	** NA **			None
3	M3		BenPIN				Yes	** NA **			None
4	M4A						Yes	** NA **			None
5	M5						Yes	** NA **			None
6	M6						Yes	** NA **			None
7	M7						Yes	** NA **			None
8	M8		BenPIN				Yes	** NA **			None
9	M9		BenPIN				Yes	** NA **			None
10	M10						Yes	** NA **			None
11	M11						Yes	** NA **			None
12	M12						Yes	** NA **			None
13	M13						Yes	** NA **			None
14	M15		BenPIN				Yes	** NA **			None
15	M16		BenPIN				Yes	** NA **			None
16	M17						Yes	** NA **			None
17	M18						Yes	** NA **			None
18	M19						Yes	** NA **			None
19	M20						Yes	** NA **			None
20	M21		BenPIN				Yes	** NA **			None
21	M22		BenPIN				Yes	** NA **			None
22	M23						Yes	** NA **			None
23	M24						Yes	** NA **			None
24	M25						Yes	** NA **			None
25	M26						Yes	** NA **			None
26	M28		BenPIN				Yes	** NA **			None
27	M29		BenPIN				Yes	** NA **			None
28	M30						Yes	** NA **			None
29	M31						Yes	** NA **			None
30	M32						Yes	** NA **			None
31	M33						Yes	** NA **			None
32	M34		BenPIN				Yes	** NA **			None
33	M35		BenPIN				Yes	** NA **			None
34	M36						Yes	** NA **			None
35	M37						Yes	** NA **			None
36	M38						Yes	** NA **			None
37	M39						Yes	** NA **			None
38	M40						Yes				None

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	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic ...
39	M41						Yes				None
40	M42						Yes				None
41	M41A						Yes				None
42	M42A						Yes				None
43	M43						Yes	** NA **			None
44	M44						Yes	** NA **			None
45	M45						Yes	** NA **			None
46	M46						Yes	** NA **			None
47	M47						Yes	** NA **			None
48	M48						Yes	** NA **			None
49	M49						Yes	** NA **			None
50	M50						Yes	** NA **			None
51	M51						Yes	** NA **			None
52	M52						Yes	** NA **			None
53	M53						Yes	** NA **			None
54	M54						Yes	** NA **			None
55	M55						Yes	** NA **			None
56	M56						Yes	** NA **			None
57	M57						Yes	** NA **			None
58	M58						Yes	** NA **			None
59	M59						Yes	** NA **			None
60	M60						Yes	** NA **			None
61	M61						Yes	** NA **			None
62	M62						Yes	** NA **			None
63	M63						Yes	** NA **			None
64	MP5A						Yes	** NA **			None
65	MP4A						Yes	** NA **			None
66	MP3A						Yes	** NA **			None
67	MP2A						Yes	** NA **			None
68	MP1A						Yes	** NA **			None
69	M69						Yes	** NA **			None
70	M70						Yes	** NA **			None
71	M71						Yes	** NA **			None
72	M72						Yes	** NA **			None
73	M73						Yes	** NA **			None
74	MP5C						Yes	** NA **			None
75	MP4C						Yes	** NA **			None
76	MP3C						Yes	** NA **			None
77	MP2C						Yes	** NA **			None
78	MP1C						Yes	** NA **			None
79	M79						Yes	** NA **			None
80	M80						Yes	** NA **			None
81	M81						Yes	** NA **			None
82	M82						Yes	** NA **			None
83	M83						Yes	** NA **			None
84	MP5B						Yes	** NA **			None
85	MP4B						Yes	** NA **			None
86	MP3B						Yes	** NA **			None
87	MP2B						Yes	** NA **			None
88	MP1B						Yes	** NA **			None
89	M89						Yes	** NA **			None
90	M90						Yes	** NA **			None

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	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic ...
91	M91						Yes	** NA **			None
92	M92						Yes	** NA **			None
93	M93						Yes	** NA **			None
94	M94						Yes	** NA **			None
95	M95						Yes	** NA **			None
96	M96						Yes	** NA **			None
97	M97						Yes	** NA **			None
98	M98						Yes	** NA **			None
99	M99						Yes	** NA **			None
100	M100						Yes	** NA **			None
101	M101						Yes	** NA **			None
102	M102						Yes	** NA **			None
103	M103						Yes	** NA **			None
104	M104						Yes	** NA **			None
105	M105						Yes	** NA **			None
106	M106						Yes	** NA **			None
107	M107	OOOOOX	OOOOOX				Yes	** NA **			None
108	M108	OOOOOX	OOOOOX				Yes	** NA **			None
109	M109	OOOOOX	OOOOOX				Yes	** NA **			None
110	M110	BenPIN	BenPIN				Yes	** NA **			None
111	M111	BenPIN	BenPIN				Yes	** NA **			None
112	M112	BenPIN	BenPIN				Yes	** NA **			None

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-21.85	1
2	MP3A	My	-.011	1
3	MP3A	Mz	.011	1
4	MP3A	Y	-21.85	5
5	MP3A	My	-.011	5
6	MP3A	Mz	.011	5
7	MP3B	Y	-21.85	1
8	MP3B	My	-.001	1
9	MP3B	Mz	-.015	1
10	MP3B	Y	-21.85	5
11	MP3B	My	-.001	5
12	MP3B	Mz	-.015	5
13	MP3C	Y	-21.85	1
14	MP3C	My	.012	1
15	MP3C	Mz	.01	1
16	MP3C	Y	-21.85	5
17	MP3C	My	.012	5
18	MP3C	Mz	.01	5
19	MP3A	Y	-21.85	1
20	MP3A	My	-.011	1
21	MP3A	Mz	-.011	1
22	MP3A	Y	-21.85	5
23	MP3A	My	-.011	5
24	MP3A	Mz	-.011	5
25	MP3B	Y	-21.85	1

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	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
26	MP3B	My	.015	1
27	MP3B	Mz	-.001	1
28	MP3B	Y	-21.85	5
29	MP3B	My	.015	5
30	MP3B	Mz	-.001	5
31	MP3C	Y	-21.85	1
32	MP3C	My	-.01	1
33	MP3C	Mz	.012	1
34	MP3C	Y	-21.85	5
35	MP3C	My	-.01	5
36	MP3C	Mz	.012	5
37	MP4A	Y	-84.4	3
38	MP4A	My	.042	3
39	MP4A	Mz	0	3
40	MP4B	Y	-84.4	3
41	MP4B	My	-.027	3
42	MP4B	Mz	.032	3
43	MP4C	Y	-84.4	3
44	MP4C	My	-.004	3
45	MP4C	Mz	-.042	3
46	MP3A	Y	-70.3	3
47	MP3A	My	.035	3
48	MP3A	Mz	0	3
49	MP3B	Y	-70.3	3
50	MP3B	My	-.023	3
51	MP3B	Mz	.027	3
52	MP3C	Y	-70.3	3
53	MP3C	My	-.003	3
54	MP3C	Mz	-.035	3
55	M57	Y	-18.9	1
56	M57	My	0	1
57	M57	Mz	0	1
58	M58	Y	-18.9	1
59	M58	My	0	1
60	M58	Mz	0	1
61	MP1A	Y	-12.5	1
62	MP1A	My	-.008	1
63	MP1A	Mz	0	1
64	MP1A	Y	-12.5	5
65	MP1A	My	-.008	5
66	MP1A	Mz	0	5
67	MP1B	Y	-12.5	1
68	MP1B	My	.005	1
69	MP1B	Mz	-.006	1
70	MP1B	Y	-12.5	5
71	MP1B	My	.005	5
72	MP1B	Mz	-.006	5
73	MP1C	Y	-12.5	1
74	MP1C	My	.000726	1
75	MP1C	Mz	.008	1
76	MP1C	Y	-12.5	5
77	MP1C	My	.000726	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP1C	Mz	.008	5
79	MP5A	Y	-12.5	1
80	MP5A	My	-.008	1
81	MP5A	Mz	0	1
82	MP5A	Y	-12.5	5
83	MP5A	My	-.008	5
84	MP5A	Mz	0	5
85	MP5B	Y	-12.5	1
86	MP5B	My	.005	1
87	MP5B	Mz	-.006	1
88	MP5B	Y	-12.5	5
89	MP5B	My	.005	5
90	MP5B	Mz	-.006	5
91	MP5C	Y	-12.5	1
92	MP5C	My	.000726	1
93	MP5C	Mz	.008	1
94	MP5C	Y	-12.5	5
95	MP5C	My	.000726	5
96	MP5C	Mz	.008	5
97	MP2A	Y	-43.55	2
98	MP2A	My	-.022	2
99	MP2A	Mz	0	2
100	MP2A	Y	-43.55	4
101	MP2A	My	-.022	4
102	MP2A	Mz	0	4
103	MP2B	Y	-43.55	2
104	MP2B	My	.014	2
105	MP2B	Mz	-.017	2
106	MP2B	Y	-43.55	4
107	MP2B	My	.014	4
108	MP2B	Mz	-.017	4
109	MP2C	Y	-43.55	2
110	MP2C	My	.002	2
111	MP2C	Mz	.022	2
112	MP2C	Y	-43.55	4
113	MP2C	My	.002	4
114	MP2C	Mz	.022	4

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-58.467	1
2	MP3A	My	-.029	1
3	MP3A	Mz	.029	1
4	MP3A	Y	-58.467	5
5	MP3A	My	-.029	5
6	MP3A	Mz	.029	5
7	MP3B	Y	-58.467	1
8	MP3B	My	-.004	1
9	MP3B	Mz	-.041	1
10	MP3B	Y	-58.467	5
11	MP3B	My	-.004	5

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	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
12	MP3B	Mz	-.041	5
13	MP3C	Y	-58.467	1
14	MP3C	My	.032	1
15	MP3C	Mz	.027	1
16	MP3C	Y	-58.467	5
17	MP3C	My	.032	5
18	MP3C	Mz	.027	5
19	MP3A	Y	-58.467	1
20	MP3A	My	-.029	1
21	MP3A	Mz	-.029	1
22	MP3A	Y	-58.467	5
23	MP3A	My	-.029	5
24	MP3A	Mz	-.029	5
25	MP3B	Y	-58.467	1
26	MP3B	My	.041	1
27	MP3B	Mz	-.004	1
28	MP3B	Y	-58.467	5
29	MP3B	My	.041	5
30	MP3B	Mz	-.004	5
31	MP3C	Y	-58.467	1
32	MP3C	My	-.027	1
33	MP3C	Mz	.032	1
34	MP3C	Y	-58.467	5
35	MP3C	My	-.027	5
36	MP3C	Mz	.032	5
37	MP4A	Y	-43.29	3
38	MP4A	My	.022	3
39	MP4A	Mz	0	3
40	MP4B	Y	-43.29	3
41	MP4B	My	-.014	3
42	MP4B	Mz	.017	3
43	MP4C	Y	-43.29	3
44	MP4C	My	-.002	3
45	MP4C	Mz	-.022	3
46	MP3A	Y	-38.921	3
47	MP3A	My	.019	3
48	MP3A	Mz	0	3
49	MP3B	Y	-38.921	3
50	MP3B	My	-.013	3
51	MP3B	Mz	.015	3
52	MP3C	Y	-38.921	3
53	MP3C	My	-.002	3
54	MP3C	Mz	-.019	3
55	M57	Y	-84.029	1
56	M57	My	0	1
57	M57	Mz	0	1
58	M58	Y	-84.029	1
59	M58	My	0	1
60	M58	Mz	0	1
61	MP1A	Y	-60.278	1
62	MP1A	My	-.04	1
63	MP1A	Mz	0	1

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	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
64	MP1A	Y	-60.278	5
65	MP1A	My	-.04	5
66	MP1A	Mz	0	5
67	MP1B	Y	-60.278	1
68	MP1B	My	.026	1
69	MP1B	Mz	-.031	1
70	MP1B	Y	-60.278	5
71	MP1B	My	.026	5
72	MP1B	Mz	-.031	5
73	MP1C	Y	-60.278	1
74	MP1C	My	.004	1
75	MP1C	Mz	.04	1
76	MP1C	Y	-60.278	5
77	MP1C	My	.004	5
78	MP1C	Mz	.04	5
79	MP5A	Y	-60.278	1
80	MP5A	My	-.04	1
81	MP5A	Mz	0	1
82	MP5A	Y	-60.278	5
83	MP5A	My	-.04	5
84	MP5A	Mz	0	5
85	MP5B	Y	-60.278	1
86	MP5B	My	.026	1
87	MP5B	Mz	-.031	1
88	MP5B	Y	-60.278	5
89	MP5B	My	.026	5
90	MP5B	Mz	-.031	5
91	MP5C	Y	-60.278	1
92	MP5C	My	.004	1
93	MP5C	Mz	.04	1
94	MP5C	Y	-60.278	5
95	MP5C	My	.004	5
96	MP5C	Mz	.04	5
97	MP2A	Y	-34.258	2
98	MP2A	My	-.017	2
99	MP2A	Mz	0	2
100	MP2A	Y	-34.258	4
101	MP2A	My	-.017	4
102	MP2A	Mz	0	4
103	MP2B	Y	-34.258	2
104	MP2B	My	.011	2
105	MP2B	Mz	-.013	2
106	MP2B	Y	-34.258	4
107	MP2B	My	.011	4
108	MP2B	Mz	-.013	4
109	MP2C	Y	-34.258	2
110	MP2C	My	.001	2
111	MP2C	Mz	.017	2
112	MP2C	Y	-34.258	4
113	MP2C	My	.001	4
114	MP2C	Mz	.017	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1
2	MP3A	Z	-159.536	1
3	MP3A	Mx	-.08	1
4	MP3A	X	0	5
5	MP3A	Z	-159.536	5
6	MP3A	Mx	-.08	5
7	MP3B	X	0	1
8	MP3B	Z	-127.808	1
9	MP3B	Mx	.09	1
10	MP3B	X	0	5
11	MP3B	Z	-127.808	5
12	MP3B	Mx	.09	5
13	MP3C	X	0	1
14	MP3C	Z	-105.879	1
15	MP3C	Mx	-.048	1
16	MP3C	X	0	5
17	MP3C	Z	-105.879	5
18	MP3C	Mx	-.048	5
19	MP3A	X	0	1
20	MP3A	Z	-159.536	1
21	MP3A	Mx	.08	1
22	MP3A	X	0	5
23	MP3A	Z	-159.536	5
24	MP3A	Mx	.08	5
25	MP3B	X	0	1
26	MP3B	Z	-127.808	1
27	MP3B	Mx	.008	1
28	MP3B	X	0	5
29	MP3B	Z	-127.808	5
30	MP3B	Mx	.008	5
31	MP3C	X	0	1
32	MP3C	Z	-105.879	1
33	MP3C	Mx	-.057	1
34	MP3C	X	0	5
35	MP3C	Z	-105.879	5
36	MP3C	Mx	-.057	5
37	MP4A	X	0	3
38	MP4A	Z	-73.845	3
39	MP4A	Mx	0	3
40	MP4B	X	0	3
41	MP4B	Z	-59.477	3
42	MP4B	Mx	-.023	3
43	MP4C	X	0	3
44	MP4C	Z	-49.547	3
45	MP4C	Mx	.025	3
46	MP3A	X	0	3
47	MP3A	Z	-73.845	3
48	MP3A	Mx	0	3
49	MP3B	X	0	3
50	MP3B	Z	-53.974	3
51	MP3B	Mx	-.021	3
52	MP3C	X	0	3

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	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
53	MP3C	Z	-40.24	3
54	MP3C	Mx	.02	3
55	M57	X	0	1
56	M57	Z	-176.613	1
57	M57	Mx	0	1
58	M58	X	0	1
59	M58	Z	-176.613	1
60	M58	Mx	0	1
61	MP1A	X	0	1
62	MP1A	Z	-149.457	1
63	MP1A	Mx	0	1
64	MP1A	X	0	5
65	MP1A	Z	-149.457	5
66	MP1A	Mx	0	5
67	MP1B	X	0	1
68	MP1B	Z	-145.724	1
69	MP1B	Mx	.074	1
70	MP1B	X	0	5
71	MP1B	Z	-145.724	5
72	MP1B	Mx	.074	5
73	MP1C	X	0	1
74	MP1C	Z	-143.144	1
75	MP1C	Mx	-.095	1
76	MP1C	X	0	5
77	MP1C	Z	-143.144	5
78	MP1C	Mx	-.095	5
79	MP5A	X	0	1
80	MP5A	Z	-149.457	1
81	MP5A	Mx	0	1
82	MP5A	X	0	5
83	MP5A	Z	-149.457	5
84	MP5A	Mx	0	5
85	MP5B	X	0	1
86	MP5B	Z	-145.724	1
87	MP5B	Mx	.074	1
88	MP5B	X	0	5
89	MP5B	Z	-145.724	5
90	MP5B	Mx	.074	5
91	MP5C	X	0	1
92	MP5C	Z	-143.144	1
93	MP5C	Mx	-.095	1
94	MP5C	X	0	5
95	MP5C	Z	-143.144	5
96	MP5C	Mx	-.095	5
97	MP2A	X	0	2
98	MP2A	Z	-92.306	2
99	MP2A	Mx	0	2
100	MP2A	X	0	4
101	MP2A	Z	-92.306	4
102	MP2A	Mx	0	4
103	MP2B	X	0	2
104	MP2B	Z	-59.345	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
105	MP2B	Mx	.023	2
106	MP2B	X	0	4
107	MP2B	Z	-59.345	4
108	MP2B	Mx	.023	4
109	MP2C	X	0	2
110	MP2C	Z	-36.564	2
111	MP2C	Mx	-.018	2
112	MP2C	X	0	4
113	MP2C	Z	-36.564	4
114	MP2C	Mx	-.018	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	73.009	1
2	MP3A	Z	-126.456	1
3	MP3A	Mx	-.1	1
4	MP3A	X	73.009	5
5	MP3A	Z	-126.456	5
6	MP3A	Mx	-.1	5
7	MP3B	X	53.549	1
8	MP3B	Z	-92.75	1
9	MP3B	Mx	.062	1
10	MP3B	X	53.549	5
11	MP3B	Z	-92.75	5
12	MP3B	Mx	.062	5
13	MP3C	X	61.628	1
14	MP3C	Z	-106.743	1
15	MP3C	Mx	-.015	1
16	MP3C	X	61.628	5
17	MP3C	Z	-106.743	5
18	MP3C	Mx	-.015	5
19	MP3A	X	73.009	1
20	MP3A	Z	-126.456	1
21	MP3A	Mx	.027	1
22	MP3A	X	73.009	5
23	MP3A	Z	-126.456	5
24	MP3A	Mx	.027	5
25	MP3B	X	53.549	1
26	MP3B	Z	-92.75	1
27	MP3B	Mx	.043	1
28	MP3B	X	53.549	5
29	MP3B	Z	-92.75	5
30	MP3B	Mx	.043	5
31	MP3C	X	61.628	1
32	MP3C	Z	-106.743	1
33	MP3C	Mx	-.086	1
34	MP3C	X	61.628	5
35	MP3C	Z	-106.743	5
36	MP3C	Mx	-.086	5
37	MP4A	X	33.862	3
38	MP4A	Z	-58.65	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	MP4A	Mx	.017	3
40	MP4B	X	25.05	3
41	MP4B	Z	-43.388	3
42	MP4B	Mx	-.025	3
43	MP4C	X	28.708	3
44	MP4C	Z	-49.724	3
45	MP4C	Mx	.024	3
46	MP3A	X	32.69	3
47	MP3A	Z	-56.62	3
48	MP3A	Mx	.016	3
49	MP3B	X	20.502	3
50	MP3B	Z	-35.51	3
51	MP3B	Mx	-.02	3
52	MP3C	X	25.561	3
53	MP3C	Z	-44.274	3
54	MP3C	Mx	.021	3
55	M57	X	62.331	1
56	M57	Z	-107.961	1
57	M57	Mx	0	1
58	M58	X	62.331	1
59	M58	Z	-107.961	1
60	M58	Mx	0	1
61	MP1A	X	73.933	1
62	MP1A	Z	-128.056	1
63	MP1A	Mx	-.049	1
64	MP1A	X	73.933	5
65	MP1A	Z	-128.056	5
66	MP1A	Mx	-.049	5
67	MP1B	X	71.644	1
68	MP1B	Z	-124.091	1
69	MP1B	Mx	.094	1
70	MP1B	X	71.644	5
71	MP1B	Z	-124.091	5
72	MP1B	Mx	.094	5
73	MP1C	X	72.594	1
74	MP1C	Z	-125.737	1
75	MP1C	Mx	-.079	1
76	MP1C	X	72.594	5
77	MP1C	Z	-125.737	5
78	MP1C	Mx	-.079	5
79	MP5A	X	73.933	1
80	MP5A	Z	-128.056	1
81	MP5A	Mx	-.049	1
82	MP5A	X	73.933	5
83	MP5A	Z	-128.056	5
84	MP5A	Mx	-.049	5
85	MP5B	X	71.644	1
86	MP5B	Z	-124.091	1
87	MP5B	Mx	.094	1
88	MP5B	X	71.644	5
89	MP5B	Z	-124.091	5
90	MP5B	Mx	.094	5

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	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	MP5C	X	72.594	1
92	MP5C	Z	-125.737	1
93	MP5C	Mx	-.079	1
94	MP5C	X	72.594	5
95	MP5C	Z	-125.737	5
96	MP5C	Mx	-.079	5
97	MP2A	X	39.132	2
98	MP2A	Z	-67.779	2
99	MP2A	Mx	-.02	2
100	MP2A	X	39.132	4
101	MP2A	Z	-67.779	4
102	MP2A	Mx	-.02	4
103	MP2B	X	18.916	2
104	MP2B	Z	-32.763	2
105	MP2B	Mx	.019	2
106	MP2B	X	18.916	4
107	MP2B	Z	-32.763	4
108	MP2B	Mx	.019	4
109	MP2C	X	27.308	2
110	MP2C	Z	-47.299	2
111	MP2C	Mx	-.022	2
112	MP2C	X	27.308	4
113	MP2C	Z	-47.299	4
114	MP2C	Mx	-.022	4

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	103.044	1
2	MP3A	Z	-59.493	1
3	MP3A	Mx	-.081	1
4	MP3A	X	103.044	5
5	MP3A	Z	-59.493	5
6	MP3A	Mx	-.081	5
7	MP3B	X	96.816	1
8	MP3B	Z	-55.897	1
9	MP3B	Mx	.033	1
10	MP3B	X	96.816	5
11	MP3B	Z	-55.897	5
12	MP3B	Mx	.033	5
13	MP3C	X	129.799	1
14	MP3C	Z	-74.94	1
15	MP3C	Mx	.036	1
16	MP3C	X	129.799	5
17	MP3C	Z	-74.94	5
18	MP3C	Mx	.036	5
19	MP3A	X	103.044	1
20	MP3A	Z	-59.493	1
21	MP3A	Mx	-.022	1
22	MP3A	X	103.044	5
23	MP3A	Z	-59.493	5
24	MP3A	Mx	-.022	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP3B	X	96.816	1
26	MP3B	Z	-55.897	1
27	MP3B	Mx	.072	1
28	MP3B	X	96.816	5
29	MP3B	Z	-55.897	5
30	MP3B	Mx	.072	5
31	MP3C	X	129.799	1
32	MP3C	Z	-74.94	1
33	MP3C	Mx	-.1	1
34	MP3C	X	129.799	5
35	MP3C	Z	-74.94	5
36	MP3C	Mx	-.1	5
37	MP4A	X	48.049	3
38	MP4A	Z	-27.741	3
39	MP4A	Mx	.024	3
40	MP4B	X	45.228	3
41	MP4B	Z	-26.113	3
42	MP4B	Mx	-.025	3
43	MP4C	X	60.164	3
44	MP4C	Z	-34.736	3
45	MP4C	Mx	.015	3
46	MP3A	X	41.957	3
47	MP3A	Z	-24.224	3
48	MP3A	Mx	.021	3
49	MP3B	X	38.056	3
50	MP3B	Z	-21.972	3
51	MP3B	Mx	-.021	3
52	MP3C	X	58.714	3
53	MP3C	Z	-33.898	3
54	MP3C	Mx	.014	3
55	M57	X	71.284	1
56	M57	Z	-41.156	1
57	M57	Mx	0	1
58	M58	X	71.284	1
59	M58	Z	-41.156	1
60	M58	Mx	0	1
61	MP1A	X	125.302	1
62	MP1A	Z	-72.343	1
63	MP1A	Mx	-.084	1
64	MP1A	X	125.302	5
65	MP1A	Z	-72.343	5
66	MP1A	Mx	-.084	5
67	MP1B	X	124.569	1
68	MP1B	Z	-71.92	1
69	MP1B	Mx	.09	1
70	MP1B	X	124.569	5
71	MP1B	Z	-71.92	5
72	MP1B	Mx	.09	5
73	MP1C	X	128.45	1
74	MP1C	Z	-74.16	1
75	MP1C	Mx	-.042	1
76	MP1C	X	128.45	5

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	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP1C	Z	-74.16	5
78	MP1C	Mx	-.042	5
79	MP5A	X	125.302	1
80	MP5A	Z	-72.343	1
81	MP5A	Mx	-.084	1
82	MP5A	X	125.302	5
83	MP5A	Z	-72.343	5
84	MP5A	Mx	-.084	5
85	MP5B	X	124.569	1
86	MP5B	Z	-71.92	1
87	MP5B	Mx	.09	1
88	MP5B	X	124.569	5
89	MP5B	Z	-71.92	5
90	MP5B	Mx	.09	5
91	MP5C	X	128.45	1
92	MP5C	Z	-74.16	1
93	MP5C	Mx	-.042	1
94	MP5C	X	128.45	5
95	MP5C	Z	-74.16	5
96	MP5C	Mx	-.042	5
97	MP2A	X	43.457	2
98	MP2A	Z	-25.09	2
99	MP2A	Mx	-.022	2
100	MP2A	X	43.457	4
101	MP2A	Z	-25.09	4
102	MP2A	Mx	-.022	4
103	MP2B	X	36.986	2
104	MP2B	Z	-21.354	2
105	MP2B	Mx	.02	2
106	MP2B	X	36.986	4
107	MP2B	Z	-21.354	4
108	MP2B	Mx	.02	4
109	MP2C	X	71.251	2
110	MP2C	Z	-41.137	2
111	MP2C	Mx	-.017	2
112	MP2C	X	71.251	4
113	MP2C	Z	-41.137	4
114	MP2C	Mx	-.017	4

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	105.469	1
2	MP3A	Z	0	1
3	MP3A	Mx	-.053	1
4	MP3A	X	105.469	5
5	MP3A	Z	0	5
6	MP3A	Mx	-.053	5
7	MP3B	X	137.197	1
8	MP3B	Z	0	1
9	MP3B	Mx	-.008	1
10	MP3B	X	137.197	5

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	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
11	MP3B	Z	0	5
12	MP3B	Mx	-.008	5
13	MP3C	X	159.125	1
14	MP3C	Z	0	1
15	MP3C	Mx	.086	1
16	MP3C	X	159.125	5
17	MP3C	Z	0	5
18	MP3C	Mx	.086	5
19	MP3A	X	105.469	1
20	MP3A	Z	0	1
21	MP3A	Mx	-.053	1
22	MP3A	X	105.469	5
23	MP3A	Z	0	5
24	MP3A	Mx	-.053	5
25	MP3B	X	137.197	1
26	MP3B	Z	0	1
27	MP3B	Mx	.097	1
28	MP3B	X	137.197	5
29	MP3B	Z	0	5
30	MP3B	Mx	.097	5
31	MP3C	X	159.125	1
32	MP3C	Z	0	1
33	MP3C	Mx	-.072	1
34	MP3C	X	159.125	5
35	MP3C	Z	0	5
36	MP3C	Mx	-.072	5
37	MP4A	X	49.361	3
38	MP4A	Z	0	3
39	MP4A	Mx	.025	3
40	MP4B	X	63.729	3
41	MP4B	Z	0	3
42	MP4B	Mx	-.02	3
43	MP4C	X	73.659	3
44	MP4C	Z	0	3
45	MP4C	Mx	-.003	3
46	MP3A	X	39.983	3
47	MP3A	Z	0	3
48	MP3A	Mx	.02	3
49	MP3B	X	59.854	3
50	MP3B	Z	0	3
51	MP3B	Mx	-.019	3
52	MP3C	X	73.587	3
53	MP3C	Z	0	3
54	MP3C	Mx	-.003	3
55	M57	X	91.912	1
56	M57	Z	0	1
57	M57	Mx	0	1
58	M58	X	91.912	1
59	M58	Z	0	1
60	M58	Mx	0	1
61	MP1A	X	143.096	1
62	MP1A	Z	0	1

Company :
 Designer :
 Job Number :
 Model Name :

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP1A	Mx	-.095	1
64	MP1A	X	143.096	5
65	MP1A	Z	0	5
66	MP1A	Mx	-.095	5
67	MP1B	X	146.829	1
68	MP1B	Z	0	1
69	MP1B	Mx	.063	1
70	MP1B	X	146.829	5
71	MP1B	Z	0	5
72	MP1B	Mx	.063	5
73	MP1C	X	149.409	1
74	MP1C	Z	0	1
75	MP1C	Mx	.009	1
76	MP1C	X	149.409	5
77	MP1C	Z	0	5
78	MP1C	Mx	.009	5
79	MP5A	X	143.096	1
80	MP5A	Z	0	1
81	MP5A	Mx	-.095	1
82	MP5A	X	143.096	5
83	MP5A	Z	0	5
84	MP5A	Mx	-.095	5
85	MP5B	X	146.829	1
86	MP5B	Z	0	1
87	MP5B	Mx	.063	1
88	MP5B	X	146.829	5
89	MP5B	Z	0	5
90	MP5B	Mx	.063	5
91	MP5C	X	149.409	1
92	MP5C	Z	0	1
93	MP5C	Mx	.009	1
94	MP5C	X	149.409	5
95	MP5C	Z	0	5
96	MP5C	Mx	.009	5
97	MP2A	X	36.138	2
98	MP2A	Z	0	2
99	MP2A	Mx	-.018	2
100	MP2A	X	36.138	4
101	MP2A	Z	0	4
102	MP2A	Mx	-.018	4
103	MP2B	X	69.099	2
104	MP2B	Z	0	2
105	MP2B	Mx	.022	2
106	MP2B	X	69.099	4
107	MP2B	Z	0	4
108	MP2B	Mx	.022	4
109	MP2C	X	91.879	2
110	MP2C	Z	0	2
111	MP2C	Mx	.004	2
112	MP2C	X	91.879	4
113	MP2C	Z	0	4
114	MP2C	Mx	.004	4

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	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP3A	X	103.044	1
2	MP3A	Z	59.493	1
3	MP3A	Mx	-.022	1
4	MP3A	X	103.044	5
5	MP3A	Z	59.493	5
6	MP3A	Mx	-.022	5
7	MP3B	X	136.75	1
8	MP3B	Z	78.953	1
9	MP3B	Mx	-.064	1
10	MP3B	X	136.75	5
11	MP3B	Z	78.953	5
12	MP3B	Mx	-.064	5
13	MP3C	X	122.758	1
14	MP3C	Z	70.874	1
15	MP3C	Mx	.099	1
16	MP3C	X	122.758	5
17	MP3C	Z	70.874	5
18	MP3C	Mx	.099	5
19	MP3A	X	103.044	1
20	MP3A	Z	59.493	1
21	MP3A	Mx	-.081	1
22	MP3A	X	103.044	5
23	MP3A	Z	59.493	5
24	MP3A	Mx	-.081	5
25	MP3B	X	136.75	1
26	MP3B	Z	78.953	1
27	MP3B	Mx	.091	1
28	MP3B	X	136.75	5
29	MP3B	Z	78.953	5
30	MP3B	Mx	.091	5
31	MP3C	X	122.758	1
32	MP3C	Z	70.874	1
33	MP3C	Mx	-.017	1
34	MP3C	X	122.758	5
35	MP3C	Z	70.874	5
36	MP3C	Mx	-.017	5
37	MP4A	X	48.049	3
38	MP4A	Z	27.741	3
39	MP4A	Mx	.024	3
40	MP4B	X	63.312	3
41	MP4B	Z	36.553	3
42	MP4B	Mx	-.006	3
43	MP4C	X	56.976	3
44	MP4C	Z	32.895	3
45	MP4C	Mx	-.019	3
46	MP3A	X	41.957	3
47	MP3A	Z	24.224	3
48	MP3A	Mx	.021	3
49	MP3B	X	63.067	3
50	MP3B	Z	36.412	3
51	MP3B	Mx	-.006	3
52	MP3C	X	54.304	3

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	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
53	MP3C	Z	31.352	3
54	MP3C	Mx	-.018	3
55	M57	X	124.589	1
56	M57	Z	71.931	1
57	M57	Mx	0	1
58	M58	X	124.589	1
59	M58	Z	71.931	1
60	M58	Mx	0	1
61	MP1A	X	125.302	1
62	MP1A	Z	72.343	1
63	MP1A	Mx	-.084	1
64	MP1A	X	125.302	5
65	MP1A	Z	72.343	5
66	MP1A	Mx	-.084	5
67	MP1B	X	129.268	1
68	MP1B	Z	74.633	1
69	MP1B	Mx	.017	1
70	MP1B	X	129.268	5
71	MP1B	Z	74.633	5
72	MP1B	Mx	.017	5
73	MP1C	X	127.621	1
74	MP1C	Z	73.682	1
75	MP1C	Mx	.056	1
76	MP1C	X	127.621	5
77	MP1C	Z	73.682	5
78	MP1C	Mx	.056	5
79	MP5A	X	125.302	1
80	MP5A	Z	72.343	1
81	MP5A	Mx	-.084	1
82	MP5A	X	125.302	5
83	MP5A	Z	72.343	5
84	MP5A	Mx	-.084	5
85	MP5B	X	129.268	1
86	MP5B	Z	74.633	1
87	MP5B	Mx	.017	1
88	MP5B	X	129.268	5
89	MP5B	Z	74.633	5
90	MP5B	Mx	.017	5
91	MP5C	X	127.621	1
92	MP5C	Z	73.682	1
93	MP5C	Mx	.056	1
94	MP5C	X	127.621	5
95	MP5C	Z	73.682	5
96	MP5C	Mx	.056	5
97	MP2A	X	43.457	2
98	MP2A	Z	25.09	2
99	MP2A	Mx	-.022	2
100	MP2A	X	43.457	4
101	MP2A	Z	25.09	4
102	MP2A	Mx	-.022	4
103	MP2B	X	78.473	2
104	MP2B	Z	45.306	2

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 Job Number :
 Model Name :

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
105	MP2B	Mx	.008	2
106	MP2B	X	78.473	4
107	MP2B	Z	45.306	4
108	MP2B	Mx	.008	4
109	MP2C	X	63.936	2
110	MP2C	Z	36.914	2
111	MP2C	Mx	.021	2
112	MP2C	X	63.936	4
113	MP2C	Z	36.914	4
114	MP2C	Mx	.021	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	73.009	1
2	MP3A	Z	126.456	1
3	MP3A	Mx	.027	1
4	MP3A	X	73.009	5
5	MP3A	Z	126.456	5
6	MP3A	Mx	.027	5
7	MP3B	X	76.606	1
8	MP3B	Z	132.685	1
9	MP3B	Mx	-.098	1
10	MP3B	X	76.606	5
11	MP3B	Z	132.685	5
12	MP3B	Mx	-.098	5
13	MP3C	X	57.563	1
14	MP3C	Z	99.702	1
15	MP3C	Mx	.076	1
16	MP3C	X	57.563	5
17	MP3C	Z	99.702	5
18	MP3C	Mx	.076	5
19	MP3A	X	73.009	1
20	MP3A	Z	126.456	1
21	MP3A	Mx	-.1	1
22	MP3A	X	73.009	5
23	MP3A	Z	126.456	5
24	MP3A	Mx	-.1	5
25	MP3B	X	76.606	1
26	MP3B	Z	132.685	1
27	MP3B	Mx	.046	1
28	MP3B	X	76.606	5
29	MP3B	Z	132.685	5
30	MP3B	Mx	.046	5
31	MP3C	X	57.563	1
32	MP3C	Z	99.702	1
33	MP3C	Mx	.028	1
34	MP3C	X	57.563	5
35	MP3C	Z	99.702	5
36	MP3C	Mx	.028	5
37	MP4A	X	33.862	3
38	MP4A	Z	58.65	3

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	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
39	MP4A	Mx	.017	3
40	MP4B	X	35.49	3
41	MP4B	Z	61.471	3
42	MP4B	Mx	.012	3
43	MP4C	X	26.867	3
44	MP4C	Z	46.535	3
45	MP4C	Mx	-.024	3
46	MP3A	X	32.69	3
47	MP3A	Z	56.62	3
48	MP3A	Mx	.016	3
49	MP3B	X	34.942	3
50	MP3B	Z	60.521	3
51	MP3B	Mx	.012	3
52	MP3C	X	23.015	3
53	MP3C	Z	39.864	3
54	MP3C	Mx	-.021	3
55	M57	X	93.107	1
56	M57	Z	161.266	1
57	M57	Mx	0	1
58	M58	X	93.107	1
59	M58	Z	161.266	1
60	M58	Mx	0	1
61	MP1A	X	73.933	1
62	MP1A	Z	128.056	1
63	MP1A	Mx	-.049	1
64	MP1A	X	73.933	5
65	MP1A	Z	128.056	5
66	MP1A	Mx	-.049	5
67	MP1B	X	74.356	1
68	MP1B	Z	128.789	1
69	MP1B	Mx	-.034	1
70	MP1B	X	74.356	5
71	MP1B	Z	128.789	5
72	MP1B	Mx	-.034	5
73	MP1C	X	72.116	1
74	MP1C	Z	124.909	1
75	MP1C	Mx	.087	1
76	MP1C	X	72.116	5
77	MP1C	Z	124.909	5
78	MP1C	Mx	.087	5
79	MP5A	X	73.933	1
80	MP5A	Z	128.056	1
81	MP5A	Mx	-.049	1
82	MP5A	X	73.933	5
83	MP5A	Z	128.056	5
84	MP5A	Mx	-.049	5
85	MP5B	X	74.356	1
86	MP5B	Z	128.789	1
87	MP5B	Mx	-.034	1
88	MP5B	X	74.356	5
89	MP5B	Z	128.789	5
90	MP5B	Mx	-.034	5

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	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	MP5C	X	72.116	1
92	MP5C	Z	124.909	1
93	MP5C	Mx	.087	1
94	MP5C	X	72.116	5
95	MP5C	Z	124.909	5
96	MP5C	Mx	.087	5
97	MP2A	X	39.132	2
98	MP2A	Z	67.779	2
99	MP2A	Mx	-.02	2
100	MP2A	X	39.132	4
101	MP2A	Z	67.779	4
102	MP2A	Mx	-.02	4
103	MP2B	X	42.868	2
104	MP2B	Z	74.249	2
105	MP2B	Mx	-.015	2
106	MP2B	X	42.868	4
107	MP2B	Z	74.249	4
108	MP2B	Mx	-.015	4
109	MP2C	X	23.085	2
110	MP2C	Z	39.984	2
111	MP2C	Mx	.021	2
112	MP2C	X	23.085	4
113	MP2C	Z	39.984	4
114	MP2C	Mx	.021	4

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1
2	MP3A	Z	159.536	1
3	MP3A	Mx	.08	1
4	MP3A	X	0	5
5	MP3A	Z	159.536	5
6	MP3A	Mx	.08	5
7	MP3B	X	0	1
8	MP3B	Z	127.808	1
9	MP3B	Mx	-.09	1
10	MP3B	X	0	5
11	MP3B	Z	127.808	5
12	MP3B	Mx	-.09	5
13	MP3C	X	0	1
14	MP3C	Z	105.879	1
15	MP3C	Mx	.048	1
16	MP3C	X	0	5
17	MP3C	Z	105.879	5
18	MP3C	Mx	.048	5
19	MP3A	X	0	1
20	MP3A	Z	159.536	1
21	MP3A	Mx	-.08	1
22	MP3A	X	0	5
23	MP3A	Z	159.536	5
24	MP3A	Mx	-.08	5

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	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
25	MP3B	X	0	1
26	MP3B	Z	127.808	1
27	MP3B	Mx	-.008	1
28	MP3B	X	0	5
29	MP3B	Z	127.808	5
30	MP3B	Mx	-.008	5
31	MP3C	X	0	1
32	MP3C	Z	105.879	1
33	MP3C	Mx	.057	1
34	MP3C	X	0	5
35	MP3C	Z	105.879	5
36	MP3C	Mx	.057	5
37	MP4A	X	0	3
38	MP4A	Z	73.845	3
39	MP4A	Mx	0	3
40	MP4B	X	0	3
41	MP4B	Z	59.477	3
42	MP4B	Mx	.023	3
43	MP4C	X	0	3
44	MP4C	Z	49.547	3
45	MP4C	Mx	-.025	3
46	MP3A	X	0	3
47	MP3A	Z	73.845	3
48	MP3A	Mx	0	3
49	MP3B	X	0	3
50	MP3B	Z	53.974	3
51	MP3B	Mx	.021	3
52	MP3C	X	0	3
53	MP3C	Z	40.24	3
54	MP3C	Mx	-.02	3
55	M57	X	0	1
56	M57	Z	176.613	1
57	M57	Mx	0	1
58	M58	X	0	1
59	M58	Z	176.613	1
60	M58	Mx	0	1
61	MP1A	X	0	1
62	MP1A	Z	149.457	1
63	MP1A	Mx	0	1
64	MP1A	X	0	5
65	MP1A	Z	149.457	5
66	MP1A	Mx	0	5
67	MP1B	X	0	1
68	MP1B	Z	145.724	1
69	MP1B	Mx	-.074	1
70	MP1B	X	0	5
71	MP1B	Z	145.724	5
72	MP1B	Mx	-.074	5
73	MP1C	X	0	1
74	MP1C	Z	143.144	1
75	MP1C	Mx	.095	1
76	MP1C	X	0	5

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	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
77	MP1C	Z	143.144	5
78	MP1C	Mx	.095	5
79	MP5A	X	0	1
80	MP5A	Z	149.457	1
81	MP5A	Mx	0	1
82	MP5A	X	0	5
83	MP5A	Z	149.457	5
84	MP5A	Mx	0	5
85	MP5B	X	0	1
86	MP5B	Z	145.724	1
87	MP5B	Mx	-.074	1
88	MP5B	X	0	5
89	MP5B	Z	145.724	5
90	MP5B	Mx	-.074	5
91	MP5C	X	0	1
92	MP5C	Z	143.144	1
93	MP5C	Mx	.095	1
94	MP5C	X	0	5
95	MP5C	Z	143.144	5
96	MP5C	Mx	.095	5
97	MP2A	X	0	2
98	MP2A	Z	92.306	2
99	MP2A	Mx	0	2
100	MP2A	X	0	4
101	MP2A	Z	92.306	4
102	MP2A	Mx	0	4
103	MP2B	X	0	2
104	MP2B	Z	59.345	2
105	MP2B	Mx	-.023	2
106	MP2B	X	0	4
107	MP2B	Z	59.345	4
108	MP2B	Mx	-.023	4
109	MP2C	X	0	2
110	MP2C	Z	36.564	2
111	MP2C	Mx	.018	2
112	MP2C	X	0	4
113	MP2C	Z	36.564	4
114	MP2C	Mx	.018	4

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-73.009	1
2	MP3A	Z	126.456	1
3	MP3A	Mx	.1	1
4	MP3A	X	-73.009	5
5	MP3A	Z	126.456	5
6	MP3A	Mx	.1	5
7	MP3B	X	-53.549	1
8	MP3B	Z	92.75	1
9	MP3B	Mx	-.062	1
10	MP3B	X	-53.549	5

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	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
11	MP3B	Z	92.75	5
12	MP3B	Mx	-.062	5
13	MP3C	X	-61.628	1
14	MP3C	Z	106.743	1
15	MP3C	Mx	.015	1
16	MP3C	X	-61.628	5
17	MP3C	Z	106.743	5
18	MP3C	Mx	.015	5
19	MP3A	X	-73.009	1
20	MP3A	Z	126.456	1
21	MP3A	Mx	-.027	1
22	MP3A	X	-73.009	5
23	MP3A	Z	126.456	5
24	MP3A	Mx	-.027	5
25	MP3B	X	-53.549	1
26	MP3B	Z	92.75	1
27	MP3B	Mx	-.043	1
28	MP3B	X	-53.549	5
29	MP3B	Z	92.75	5
30	MP3B	Mx	-.043	5
31	MP3C	X	-61.628	1
32	MP3C	Z	106.743	1
33	MP3C	Mx	.086	1
34	MP3C	X	-61.628	5
35	MP3C	Z	106.743	5
36	MP3C	Mx	.086	5
37	MP4A	X	-33.862	3
38	MP4A	Z	58.65	3
39	MP4A	Mx	-.017	3
40	MP4B	X	-25.05	3
41	MP4B	Z	43.388	3
42	MP4B	Mx	.025	3
43	MP4C	X	-28.708	3
44	MP4C	Z	49.724	3
45	MP4C	Mx	-.024	3
46	MP3A	X	-32.69	3
47	MP3A	Z	56.62	3
48	MP3A	Mx	-.016	3
49	MP3B	X	-20.502	3
50	MP3B	Z	35.51	3
51	MP3B	Mx	.02	3
52	MP3C	X	-25.561	3
53	MP3C	Z	44.274	3
54	MP3C	Mx	-.021	3
55	M57	X	-62.331	1
56	M57	Z	107.961	1
57	M57	Mx	0	1
58	M58	X	-62.331	1
59	M58	Z	107.961	1
60	M58	Mx	0	1
61	MP1A	X	-73.933	1
62	MP1A	Z	128.056	1

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	Member Label	Direction	Magnitude [lb, k-ft]	Location [ft, %]
63	MP1A	Mx	.049	1
64	MP1A	X	-73.933	5
65	MP1A	Z	128.056	5
66	MP1A	Mx	.049	5
67	MP1B	X	-71.644	1
68	MP1B	Z	124.091	1
69	MP1B	Mx	-.094	1
70	MP1B	X	-71.644	5
71	MP1B	Z	124.091	5
72	MP1B	Mx	-.094	5
73	MP1C	X	-72.594	1
74	MP1C	Z	125.737	1
75	MP1C	Mx	.079	1
76	MP1C	X	-72.594	5
77	MP1C	Z	125.737	5
78	MP1C	Mx	.079	5
79	MP5A	X	-73.933	1
80	MP5A	Z	128.056	1
81	MP5A	Mx	.049	1
82	MP5A	X	-73.933	5
83	MP5A	Z	128.056	5
84	MP5A	Mx	.049	5
85	MP5B	X	-71.644	1
86	MP5B	Z	124.091	1
87	MP5B	Mx	-.094	1
88	MP5B	X	-71.644	5
89	MP5B	Z	124.091	5
90	MP5B	Mx	-.094	5
91	MP5C	X	-72.594	1
92	MP5C	Z	125.737	1
93	MP5C	Mx	.079	1
94	MP5C	X	-72.594	5
95	MP5C	Z	125.737	5
96	MP5C	Mx	.079	5
97	MP2A	X	-39.132	2
98	MP2A	Z	67.779	2
99	MP2A	Mx	.02	2
100	MP2A	X	-39.132	4
101	MP2A	Z	67.779	4
102	MP2A	Mx	.02	4
103	MP2B	X	-18.916	2
104	MP2B	Z	32.763	2
105	MP2B	Mx	-.019	2
106	MP2B	X	-18.916	4
107	MP2B	Z	32.763	4
108	MP2B	Mx	-.019	4
109	MP2C	X	-27.308	2
110	MP2C	Z	47.299	2
111	MP2C	Mx	.022	2
112	MP2C	X	-27.308	4
113	MP2C	Z	47.299	4
114	MP2C	Mx	.022	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-103.044	1
2	MP3A	Z	59.493	1
3	MP3A	Mx	.081	1
4	MP3A	X	-103.044	5
5	MP3A	Z	59.493	5
6	MP3A	Mx	.081	5
7	MP3B	X	-96.816	1
8	MP3B	Z	55.897	1
9	MP3B	Mx	-.033	1
10	MP3B	X	-96.816	5
11	MP3B	Z	55.897	5
12	MP3B	Mx	-.033	5
13	MP3C	X	-129.799	1
14	MP3C	Z	74.94	1
15	MP3C	Mx	-.036	1
16	MP3C	X	-129.799	5
17	MP3C	Z	74.94	5
18	MP3C	Mx	-.036	5
19	MP3A	X	-103.044	1
20	MP3A	Z	59.493	1
21	MP3A	Mx	.022	1
22	MP3A	X	-103.044	5
23	MP3A	Z	59.493	5
24	MP3A	Mx	.022	5
25	MP3B	X	-96.816	1
26	MP3B	Z	55.897	1
27	MP3B	Mx	-.072	1
28	MP3B	X	-96.816	5
29	MP3B	Z	55.897	5
30	MP3B	Mx	-.072	5
31	MP3C	X	-129.799	1
32	MP3C	Z	74.94	1
33	MP3C	Mx	.1	1
34	MP3C	X	-129.799	5
35	MP3C	Z	74.94	5
36	MP3C	Mx	.1	5
37	MP4A	X	-48.049	3
38	MP4A	Z	27.741	3
39	MP4A	Mx	-.024	3
40	MP4B	X	-45.228	3
41	MP4B	Z	26.113	3
42	MP4B	Mx	.025	3
43	MP4C	X	-60.164	3
44	MP4C	Z	34.736	3
45	MP4C	Mx	-.015	3
46	MP3A	X	-41.957	3
47	MP3A	Z	24.224	3
48	MP3A	Mx	-.021	3
49	MP3B	X	-38.056	3
50	MP3B	Z	21.972	3
51	MP3B	Mx	.021	3
52	MP3C	X	-58.714	3

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	Member Label	Direction	Magnitude [lb, k-ft]	Location [ft, %]
105	MP2B	Mx	-.02	2
106	MP2B	X	-36.986	4
107	MP2B	Z	21.354	4
108	MP2B	Mx	-.02	4
109	MP2C	X	-71.251	2
110	MP2C	Z	41.137	2
111	MP2C	Mx	.017	2
112	MP2C	X	-71.251	4
113	MP2C	Z	41.137	4
114	MP2C	Mx	.017	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	MP4A	Mx	-.025	3
40	MP4B	X	-63.729	3
41	MP4B	Z	0	3
42	MP4B	Mx	.02	3
43	MP4C	X	-73.659	3
44	MP4C	Z	0	3
45	MP4C	Mx	.003	3
46	MP3A	X	-39.983	3
47	MP3A	Z	0	3
48	MP3A	Mx	-.02	3
49	MP3B	X	-59.854	3
50	MP3B	Z	0	3
51	MP3B	Mx	.019	3
52	MP3C	X	-73.587	3
53	MP3C	Z	0	3
54	MP3C	Mx	.003	3
55	M57	X	-91.912	1
56	M57	Z	0	1
57	M57	Mx	0	1
58	M58	X	-91.912	1
59	M58	Z	0	1
60	M58	Mx	0	1
61	MP1A	X	-143.096	1
62	MP1A	Z	0	1
63	MP1A	Mx	.095	1
64	MP1A	X	-143.096	5
65	MP1A	Z	0	5
66	MP1A	Mx	.095	5
67	MP1B	X	-146.829	1
68	MP1B	Z	0	1
69	MP1B	Mx	-.063	1
70	MP1B	X	-146.829	5
71	MP1B	Z	0	5
72	MP1B	Mx	-.063	5
73	MP1C	X	-149.409	1
74	MP1C	Z	0	1
75	MP1C	Mx	-.009	1
76	MP1C	X	-149.409	5
77	MP1C	Z	0	5
78	MP1C	Mx	-.009	5
79	MP5A	X	-143.096	1
80	MP5A	Z	0	1
81	MP5A	Mx	.095	1
82	MP5A	X	-143.096	5
83	MP5A	Z	0	5
84	MP5A	Mx	.095	5
85	MP5B	X	-146.829	1
86	MP5B	Z	0	1
87	MP5B	Mx	-.063	1
88	MP5B	X	-146.829	5
89	MP5B	Z	0	5
90	MP5B	Mx	-.063	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	MP5C	X	-149.409	1
92	MP5C	Z	0	1
93	MP5C	Mx	-.009	1
94	MP5C	X	-149.409	5
95	MP5C	Z	0	5
96	MP5C	Mx	-.009	5
97	MP2A	X	-36.138	2
98	MP2A	Z	0	2
99	MP2A	Mx	.018	2
100	MP2A	X	-36.138	4
101	MP2A	Z	0	4
102	MP2A	Mx	.018	4
103	MP2B	X	-69.099	2
104	MP2B	Z	0	2
105	MP2B	Mx	-.022	2
106	MP2B	X	-69.099	4
107	MP2B	Z	0	4
108	MP2B	Mx	-.022	4
109	MP2C	X	-91.879	2
110	MP2C	Z	0	2
111	MP2C	Mx	-.004	2
112	MP2C	X	-91.879	4
113	MP2C	Z	0	4
114	MP2C	Mx	-.004	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-103.044	1
2	MP3A	Z	-59.493	1
3	MP3A	Mx	.022	1
4	MP3A	X	-103.044	5
5	MP3A	Z	-59.493	5
6	MP3A	Mx	.022	5
7	MP3B	X	-136.75	1
8	MP3B	Z	-78.953	1
9	MP3B	Mx	.064	1
10	MP3B	X	-136.75	5
11	MP3B	Z	-78.953	5
12	MP3B	Mx	.064	5
13	MP3C	X	-122.758	1
14	MP3C	Z	-70.874	1
15	MP3C	Mx	-.099	1
16	MP3C	X	-122.758	5
17	MP3C	Z	-70.874	5
18	MP3C	Mx	-.099	5
19	MP3A	X	-103.044	1
20	MP3A	Z	-59.493	1
21	MP3A	Mx	.081	1
22	MP3A	X	-103.044	5
23	MP3A	Z	-59.493	5
24	MP3A	Mx	.081	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP1A	Mx	.049	1
64	MP1A	X	-73.933	5
65	MP1A	Z	-128.056	5
66	MP1A	Mx	.049	5
67	MP1B	X	-74.356	1
68	MP1B	Z	-128.789	1
69	MP1B	Mx	.034	1
70	MP1B	X	-74.356	5
71	MP1B	Z	-128.789	5
72	MP1B	Mx	.034	5
73	MP1C	X	-72.116	1
74	MP1C	Z	-124.909	1
75	MP1C	Mx	-.087	1
76	MP1C	X	-72.116	5
77	MP1C	Z	-124.909	5
78	MP1C	Mx	-.087	5
79	MP5A	X	-73.933	1
80	MP5A	Z	-128.056	1
81	MP5A	Mx	.049	1
82	MP5A	X	-73.933	5
83	MP5A	Z	-128.056	5
84	MP5A	Mx	.049	5
85	MP5B	X	-74.356	1
86	MP5B	Z	-128.789	1
87	MP5B	Mx	.034	1
88	MP5B	X	-74.356	5
89	MP5B	Z	-128.789	5
90	MP5B	Mx	.034	5
91	MP5C	X	-72.116	1
92	MP5C	Z	-124.909	1
93	MP5C	Mx	-.087	1
94	MP5C	X	-72.116	5
95	MP5C	Z	-124.909	5
96	MP5C	Mx	-.087	5
97	MP2A	X	-39.132	2
98	MP2A	Z	-67.779	2
99	MP2A	Mx	.02	2
100	MP2A	X	-39.132	4
101	MP2A	Z	-67.779	4
102	MP2A	Mx	.02	4
103	MP2B	X	-42.868	2
104	MP2B	Z	-74.249	2
105	MP2B	Mx	.015	2
106	MP2B	X	-42.868	4
107	MP2B	Z	-74.249	4
108	MP2B	Mx	.015	4
109	MP2C	X	-23.085	2
110	MP2C	Z	-39.984	2
111	MP2C	Mx	-.021	2
112	MP2C	X	-23.085	4
113	MP2C	Z	-39.984	4
114	MP2C	Mx	-.021	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1
2	MP3A	Z	-30.457	1
3	MP3A	Mx	-.015	1
4	MP3A	X	0	5
5	MP3A	Z	-30.457	5
6	MP3A	Mx	-.015	5
7	MP3B	X	0	1
8	MP3B	Z	-24.893	1
9	MP3B	Mx	.018	1
10	MP3B	X	0	5
11	MP3B	Z	-24.893	5
12	MP3B	Mx	.018	5
13	MP3C	X	0	1
14	MP3C	Z	-21.048	1
15	MP3C	Mx	-.01	1
16	MP3C	X	0	5
17	MP3C	Z	-21.048	5
18	MP3C	Mx	-.01	5
19	MP3A	X	0	1
20	MP3A	Z	-30.457	1
21	MP3A	Mx	.015	1
22	MP3A	X	0	5
23	MP3A	Z	-30.457	5
24	MP3A	Mx	.015	5
25	MP3B	X	0	1
26	MP3B	Z	-24.893	1
27	MP3B	Mx	.002	1
28	MP3B	X	0	5
29	MP3B	Z	-24.893	5
30	MP3B	Mx	.002	5
31	MP3C	X	0	1
32	MP3C	Z	-21.048	1
33	MP3C	Mx	-.011	1
34	MP3C	X	0	5
35	MP3C	Z	-21.048	5
36	MP3C	Mx	-.011	5
37	MP4A	X	0	3
38	MP4A	Z	-15.255	3
39	MP4A	Mx	0	3
40	MP4B	X	0	3
41	MP4B	Z	-12.522	3
42	MP4B	Mx	-.005	3
43	MP4C	X	0	3
44	MP4C	Z	-10.633	3
45	MP4C	Mx	.005	3
46	MP3A	X	0	3
47	MP3A	Z	-15.255	3
48	MP3A	Mx	0	3
49	MP3B	X	0	3
50	MP3B	Z	-11.483	3
51	MP3B	Mx	-.004	3
52	MP3C	X	0	3

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	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
53	MP3C	Z	-8.877	3
54	MP3C	Mx	.004	3
55	M57	X	0	1
56	M57	Z	-34.281	1
57	M57	Mx	0	1
58	M58	X	0	1
59	M58	Z	-34.281	1
60	M58	Mx	0	1
61	MP1A	X	0	1
62	MP1A	Z	-29.161	1
63	MP1A	Mx	0	1
64	MP1A	X	0	5
65	MP1A	Z	-29.161	5
66	MP1A	Mx	0	5
67	MP1B	X	0	1
68	MP1B	Z	-28.442	1
69	MP1B	Mx	.015	1
70	MP1B	X	0	5
71	MP1B	Z	-28.442	5
72	MP1B	Mx	.015	5
73	MP1C	X	0	1
74	MP1C	Z	-27.945	1
75	MP1C	Mx	-.019	1
76	MP1C	X	0	5
77	MP1C	Z	-27.945	5
78	MP1C	Mx	-.019	5
79	MP5A	X	0	1
80	MP5A	Z	-29.161	1
81	MP5A	Mx	0	1
82	MP5A	X	0	5
83	MP5A	Z	-29.161	5
84	MP5A	Mx	0	5
85	MP5B	X	0	1
86	MP5B	Z	-28.442	1
87	MP5B	Mx	.015	1
88	MP5B	X	0	5
89	MP5B	Z	-28.442	5
90	MP5B	Mx	.015	5
91	MP5C	X	0	1
92	MP5C	Z	-27.945	1
93	MP5C	Mx	-.019	1
94	MP5C	X	0	5
95	MP5C	Z	-27.945	5
96	MP5C	Mx	-.019	5
97	MP2A	X	0	2
98	MP2A	Z	-18.031	2
99	MP2A	Mx	0	2
100	MP2A	X	0	4
101	MP2A	Z	-18.031	4
102	MP2A	Mx	0	4
103	MP2B	X	0	2
104	MP2B	Z	-11.944	2

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	Member Label	Direction	Magnitude [lb, k-ft]	Location [ft, %]
105	MP2B	Mx	.005	2
106	MP2B	X	0	4
107	MP2B	Z	-11.944	4
108	MP2B	Mx	.005	4
109	MP2C	X	0	2
110	MP2C	Z	-7.737	2
111	MP2C	Mx	-.004	2
112	MP2C	X	0	4
113	MP2C	Z	-7.737	4
114	MP2C	Mx	-.004	4

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	14.043	1
2	MP3A	Z	-24.324	1
3	MP3A	Mx	-.019	1
4	MP3A	X	14.043	5
5	MP3A	Z	-24.324	5
6	MP3A	Mx	-.019	5
7	MP3B	X	10.631	1
8	MP3B	Z	-18.413	1
9	MP3B	Mx	.012	1
10	MP3B	X	10.631	5
11	MP3B	Z	-18.413	5
12	MP3B	Mx	.012	5
13	MP3C	X	12.047	1
14	MP3C	Z	-20.867	1
15	MP3C	Mx	-.003	1
16	MP3C	X	12.047	5
17	MP3C	Z	-20.867	5
18	MP3C	Mx	-.003	5
19	MP3A	X	14.043	1
20	MP3A	Z	-24.324	1
21	MP3A	Mx	.005	1
22	MP3A	X	14.043	5
23	MP3A	Z	-24.324	5
24	MP3A	Mx	.005	5
25	MP3B	X	10.631	1
26	MP3B	Z	-18.413	1
27	MP3B	Mx	.009	1
28	MP3B	X	10.631	5
29	MP3B	Z	-18.413	5
30	MP3B	Mx	.009	5
31	MP3C	X	12.047	1
32	MP3C	Z	-20.867	1
33	MP3C	Mx	-.017	1
34	MP3C	X	12.047	5
35	MP3C	Z	-20.867	5
36	MP3C	Mx	-.017	5
37	MP4A	X	7.045	3
38	MP4A	Z	-12.203	3

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	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
39	MP4A	Mx	.004	3
40	MP4B	X	5.369	3
41	MP4B	Z	-9.3	3
42	MP4B	Mx	-.005	3
43	MP4C	X	6.065	3
44	MP4C	Z	-10.505	3
45	MP4C	Mx	.005	3
46	MP3A	X	6.824	3
47	MP3A	Z	-11.82	3
48	MP3A	Mx	.003	3
49	MP3B	X	4.511	3
50	MP3B	Z	-7.813	3
51	MP3B	Mx	-.004	3
52	MP3C	X	5.471	3
53	MP3C	Z	-9.476	3
54	MP3C	Mx	.004	3
55	M57	X	12.386	1
56	M57	Z	-21.453	1
57	M57	Mx	0	1
58	M58	X	12.386	1
59	M58	Z	-21.453	1
60	M58	Mx	0	1
61	MP1A	X	14.427	1
62	MP1A	Z	-24.989	1
63	MP1A	Mx	-.01	1
64	MP1A	X	14.427	5
65	MP1A	Z	-24.989	5
66	MP1A	Mx	-.01	5
67	MP1B	X	13.986	1
68	MP1B	Z	-24.225	1
69	MP1B	Mx	.018	1
70	MP1B	X	13.986	5
71	MP1B	Z	-24.225	5
72	MP1B	Mx	.018	5
73	MP1C	X	14.169	1
74	MP1C	Z	-24.542	1
75	MP1C	Mx	-.015	1
76	MP1C	X	14.169	5
77	MP1C	Z	-24.542	5
78	MP1C	Mx	-.015	5
79	MP5A	X	14.427	1
80	MP5A	Z	-24.989	1
81	MP5A	Mx	-.01	1
82	MP5A	X	14.427	5
83	MP5A	Z	-24.989	5
84	MP5A	Mx	-.01	5
85	MP5B	X	13.986	1
86	MP5B	Z	-24.225	1
87	MP5B	Mx	.018	1
88	MP5B	X	13.986	5
89	MP5B	Z	-24.225	5
90	MP5B	Mx	.018	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	MP5C	X	14.169	1
92	MP5C	Z	-24.542	1
93	MP5C	Mx	-.015	1
94	MP5C	X	14.169	5
95	MP5C	Z	-24.542	5
96	MP5C	Mx	-.015	5
97	MP2A	X	7.719	2
98	MP2A	Z	-13.369	2
99	MP2A	Mx	-.004	2
100	MP2A	X	7.719	4
101	MP2A	Z	-13.369	4
102	MP2A	Mx	-.004	4
103	MP2B	X	3.985	2
104	MP2B	Z	-6.903	2
105	MP2B	Mx	.004	2
106	MP2B	X	3.985	4
107	MP2B	Z	-6.903	4
108	MP2B	Mx	.004	4
109	MP2C	X	5.535	2
110	MP2C	Z	-9.587	2
111	MP2C	Mx	-.005	2
112	MP2C	X	5.535	4
113	MP2C	Z	-9.587	4
114	MP2C	Mx	-.005	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	20.218	1
2	MP3A	Z	-11.673	1
3	MP3A	Mx	-.016	1
4	MP3A	X	20.218	5
5	MP3A	Z	-11.673	5
6	MP3A	Mx	-.016	5
7	MP3B	X	19.126	1
8	MP3B	Z	-11.042	1
9	MP3B	Mx	.007	1
10	MP3B	X	19.126	5
11	MP3B	Z	-11.042	5
12	MP3B	Mx	.007	5
13	MP3C	X	24.91	1
14	MP3C	Z	-14.382	1
15	MP3C	Mx	.007	1
16	MP3C	X	24.91	5
17	MP3C	Z	-14.382	5
18	MP3C	Mx	.007	5
19	MP3A	X	20.218	1
20	MP3A	Z	-11.673	1
21	MP3A	Mx	-.004	1
22	MP3A	X	20.218	5
23	MP3A	Z	-11.673	5
24	MP3A	Mx	-.004	5

Company :
 Designer :
 Job Number :
 Model Name :

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP3B	X	19.126	1
26	MP3B	Z	-11.042	1
27	MP3B	Mx	.014	1
28	MP3B	X	19.126	5
29	MP3B	Z	-11.042	5
30	MP3B	Mx	.014	5
31	MP3C	X	24.91	1
32	MP3C	Z	-14.382	1
33	MP3C	Mx	-.019	1
34	MP3C	X	24.91	5
35	MP3C	Z	-14.382	5
36	MP3C	Mx	-.019	5
37	MP4A	X	10.186	3
38	MP4A	Z	-5.881	3
39	MP4A	Mx	.005	3
40	MP4B	X	9.65	3
41	MP4B	Z	-5.571	3
42	MP4B	Mx	-.005	3
43	MP4C	X	12.491	3
44	MP4C	Z	-7.212	3
45	MP4C	Mx	.003	3
46	MP3A	X	9.037	3
47	MP3A	Z	-5.217	3
48	MP3A	Mx	.005	3
49	MP3B	X	8.296	3
50	MP3B	Z	-4.79	3
51	MP3B	Mx	-.005	3
52	MP3C	X	12.217	3
53	MP3C	Z	-7.054	3
54	MP3C	Mx	.003	3
55	M57	X	14.74	1
56	M57	Z	-8.51	1
57	M57	Mx	0	1
58	M58	X	14.74	1
59	M58	Z	-8.51	1
60	M58	Mx	0	1
61	MP1A	X	24.458	1
62	MP1A	Z	-14.121	1
63	MP1A	Mx	-.016	1
64	MP1A	X	24.458	5
65	MP1A	Z	-14.121	5
66	MP1A	Mx	-.016	5
67	MP1B	X	24.317	1
68	MP1B	Z	-14.039	1
69	MP1B	Mx	.018	1
70	MP1B	X	24.317	5
71	MP1B	Z	-14.039	5
72	MP1B	Mx	.018	5
73	MP1C	X	25.064	1
74	MP1C	Z	-14.471	1
75	MP1C	Mx	-.008	1
76	MP1C	X	25.064	5

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	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP1C	Z	-14.471	5
78	MP1C	Mx	-.008	5
79	MP5A	X	24.458	1
80	MP5A	Z	-14.121	1
81	MP5A	Mx	-.016	1
82	MP5A	X	24.458	5
83	MP5A	Z	-14.121	5
84	MP5A	Mx	-.016	5
85	MP5B	X	24.317	1
86	MP5B	Z	-14.039	1
87	MP5B	Mx	.018	1
88	MP5B	X	24.317	5
89	MP5B	Z	-14.039	5
90	MP5B	Mx	.018	5
91	MP5C	X	25.064	1
92	MP5C	Z	-14.471	1
93	MP5C	Mx	-.008	1
94	MP5C	X	25.064	5
95	MP5C	Z	-14.471	5
96	MP5C	Mx	-.008	5
97	MP2A	X	8.878	2
98	MP2A	Z	-5.126	2
99	MP2A	Mx	-.004	2
100	MP2A	X	8.878	4
101	MP2A	Z	-5.126	4
102	MP2A	Mx	-.004	4
103	MP2B	X	7.683	2
104	MP2B	Z	-4.436	2
105	MP2B	Mx	.004	2
106	MP2B	X	7.683	4
107	MP2B	Z	-4.436	4
108	MP2B	Mx	.004	4
109	MP2C	X	14.011	2
110	MP2C	Z	-8.089	2
111	MP2C	Mx	-.003	2
112	MP2C	X	14.011	4
113	MP2C	Z	-8.089	4
114	MP2C	Mx	-.003	4

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	20.976	1
2	MP3A	Z	0	1
3	MP3A	Mx	-.01	1
4	MP3A	X	20.976	5
5	MP3A	Z	0	5
6	MP3A	Mx	-.01	5
7	MP3B	X	26.539	1
8	MP3B	Z	0	1
9	MP3B	Mx	-.002	1
10	MP3B	X	26.539	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP3B	Z	0	5
12	MP3B	Mx	-.002	5
13	MP3C	X	30.385	1
14	MP3C	Z	0	1
15	MP3C	Mx	.016	1
16	MP3C	X	30.385	5
17	MP3C	Z	0	5
18	MP3C	Mx	.016	5
19	MP3A	X	20.976	1
20	MP3A	Z	0	1
21	MP3A	Mx	-.01	1
22	MP3A	X	20.976	5
23	MP3A	Z	0	5
24	MP3A	Mx	-.01	5
25	MP3B	X	26.539	1
26	MP3B	Z	0	1
27	MP3B	Mx	.019	1
28	MP3B	X	26.539	5
29	MP3B	Z	0	5
30	MP3B	Mx	.019	5
31	MP3C	X	30.385	1
32	MP3C	Z	0	1
33	MP3C	Mx	-.014	1
34	MP3C	X	30.385	5
35	MP3C	Z	0	5
36	MP3C	Mx	-.014	5
37	MP4A	X	10.598	3
38	MP4A	Z	0	3
39	MP4A	Mx	.005	3
40	MP4B	X	13.331	3
41	MP4B	Z	0	3
42	MP4B	Mx	-.004	3
43	MP4C	X	15.22	3
44	MP4C	Z	0	3
45	MP4C	Mx	-.000663	3
46	MP3A	X	8.828	3
47	MP3A	Z	0	3
48	MP3A	Mx	.004	3
49	MP3B	X	12.599	3
50	MP3B	Z	0	3
51	MP3B	Mx	-.004	3
52	MP3C	X	15.206	3
53	MP3C	Z	0	3
54	MP3C	Mx	-.000663	3
55	M57	X	18.777	1
56	M57	Z	0	1
57	M57	Mx	0	1
58	M58	X	18.777	1
59	M58	Z	0	1
60	M58	Mx	0	1
61	MP1A	X	27.936	1
62	MP1A	Z	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP1A	Mx	-.019	1
64	MP1A	X	27.936	5
65	MP1A	Z	0	5
66	MP1A	Mx	-.019	5
67	MP1B	X	28.655	1
68	MP1B	Z	0	1
69	MP1B	Mx	.012	1
70	MP1B	X	28.655	5
71	MP1B	Z	0	5
72	MP1B	Mx	.012	5
73	MP1C	X	29.151	1
74	MP1C	Z	0	1
75	MP1C	Mx	.002	1
76	MP1C	X	29.151	5
77	MP1C	Z	0	5
78	MP1C	Mx	.002	5
79	MP5A	X	27.936	1
80	MP5A	Z	0	1
81	MP5A	Mx	-.019	1
82	MP5A	X	27.936	5
83	MP5A	Z	0	5
84	MP5A	Mx	-.019	5
85	MP5B	X	28.655	1
86	MP5B	Z	0	1
87	MP5B	Mx	.012	1
88	MP5B	X	28.655	5
89	MP5B	Z	0	5
90	MP5B	Mx	.012	5
91	MP5C	X	29.151	1
92	MP5C	Z	0	1
93	MP5C	Mx	.002	1
94	MP5C	X	29.151	5
95	MP5C	Z	0	5
96	MP5C	Mx	.002	5
97	MP2A	X	7.658	2
98	MP2A	Z	0	2
99	MP2A	Mx	-.004	2
100	MP2A	X	7.658	4
101	MP2A	Z	0	4
102	MP2A	Mx	-.004	4
103	MP2B	X	13.745	2
104	MP2B	Z	0	2
105	MP2B	Mx	.004	2
106	MP2B	X	13.745	4
107	MP2B	Z	0	4
108	MP2B	Mx	.004	4
109	MP2C	X	17.952	2
110	MP2C	Z	0	2
111	MP2C	Mx	.000782	2
112	MP2C	X	17.952	4
113	MP2C	Z	0	4
114	MP2C	Mx	.000782	4

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	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP3A	X	20.218	1
2	MP3A	Z	11.673	1
3	MP3A	Mx	-.004	1
4	MP3A	X	20.218	5
5	MP3A	Z	11.673	5
6	MP3A	Mx	-.004	5
7	MP3B	X	26.129	1
8	MP3B	Z	15.086	1
9	MP3B	Mx	-.012	1
10	MP3B	X	26.129	5
11	MP3B	Z	15.086	5
12	MP3B	Mx	-.012	5
13	MP3C	X	23.675	1
14	MP3C	Z	13.669	1
15	MP3C	Mx	.019	1
16	MP3C	X	23.675	5
17	MP3C	Z	13.669	5
18	MP3C	Mx	.019	5
19	MP3A	X	20.218	1
20	MP3A	Z	11.673	1
21	MP3A	Mx	-.016	1
22	MP3A	X	20.218	5
23	MP3A	Z	11.673	5
24	MP3A	Mx	-.016	5
25	MP3B	X	26.129	1
26	MP3B	Z	15.086	1
27	MP3B	Mx	.017	1
28	MP3B	X	26.129	5
29	MP3B	Z	15.086	5
30	MP3B	Mx	.017	5
31	MP3C	X	23.675	1
32	MP3C	Z	13.669	1
33	MP3C	Mx	-.003	1
34	MP3C	X	23.675	5
35	MP3C	Z	13.669	5
36	MP3C	Mx	-.003	5
37	MP4A	X	10.186	3
38	MP4A	Z	5.881	3
39	MP4A	Mx	.005	3
40	MP4B	X	13.09	3
41	MP4B	Z	7.557	3
42	MP4B	Mx	-.001	3
43	MP4C	X	11.884	3
44	MP4C	Z	6.861	3
45	MP4C	Mx	-.004	3
46	MP3A	X	9.037	3
47	MP3A	Z	5.217	3
48	MP3A	Mx	.005	3
49	MP3B	X	13.043	3
50	MP3B	Z	7.531	3
51	MP3B	Mx	-.001	3
52	MP3C	X	11.38	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
105	MP2B	Mx	.002	2
106	MP2B	X	15.344	4
107	MP2B	Z	8.859	4
108	MP2B	Mx	.002	4
109	MP2C	X	12.66	2
110	MP2C	Z	7.309	2
111	MP2C	Mx	.004	2
112	MP2C	X	12.66	4
113	MP2C	Z	7.309	4
114	MP2C	Mx	.004	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	14.043	1
2	MP3A	Z	24.324	1
3	MP3A	Mx	.005	1
4	MP3A	X	14.043	5
5	MP3A	Z	24.324	5
6	MP3A	Mx	.005	5
7	MP3B	X	14.674	1
8	MP3B	Z	25.416	1
9	MP3B	Mx	-.019	1
10	MP3B	X	14.674	5
11	MP3B	Z	25.416	5
12	MP3B	Mx	-.019	5
13	MP3C	X	11.335	1
14	MP3C	Z	19.632	1
15	MP3C	Mx	.015	1
16	MP3C	X	11.335	5
17	MP3C	Z	19.632	5
18	MP3C	Mx	.015	5
19	MP3A	X	14.043	1
20	MP3A	Z	24.324	1
21	MP3A	Mx	-.019	1
22	MP3A	X	14.043	5
23	MP3A	Z	24.324	5
24	MP3A	Mx	-.019	5
25	MP3B	X	14.674	1
26	MP3B	Z	25.416	1
27	MP3B	Mx	.009	1
28	MP3B	X	14.674	5
29	MP3B	Z	25.416	5
30	MP3B	Mx	.009	5
31	MP3C	X	11.335	1
32	MP3C	Z	19.632	1
33	MP3C	Mx	.005	1
34	MP3C	X	11.335	5
35	MP3C	Z	19.632	5
36	MP3C	Mx	.005	5
37	MP4A	X	7.045	3
38	MP4A	Z	12.203	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	MP4A	Mx	.004	3
40	MP4B	X	7.355	3
41	MP4B	Z	12.739	3
42	MP4B	Mx	.003	3
43	MP4C	X	5.715	3
44	MP4C	Z	9.898	3
45	MP4C	Mx	-.005	3
46	MP3A	X	6.824	3
47	MP3A	Z	11.82	3
48	MP3A	Mx	.003	3
49	MP3B	X	7.252	3
50	MP3B	Z	12.56	3
51	MP3B	Mx	.002	3
52	MP3C	X	4.988	3
53	MP3C	Z	8.639	3
54	MP3C	Mx	-.005	3
55	M57	X	18.019	1
56	M57	Z	31.21	1
57	M57	Mx	0	1
58	M58	X	18.019	1
59	M58	Z	31.21	1
60	M58	Mx	0	1
61	MP1A	X	14.427	1
62	MP1A	Z	24.989	1
63	MP1A	Mx	-.01	1
64	MP1A	X	14.427	5
65	MP1A	Z	24.989	5
66	MP1A	Mx	-.01	5
67	MP1B	X	14.509	1
68	MP1B	Z	25.13	1
69	MP1B	Mx	-.007	1
70	MP1B	X	14.509	5
71	MP1B	Z	25.13	5
72	MP1B	Mx	-.007	5
73	MP1C	X	14.077	1
74	MP1C	Z	24.382	1
75	MP1C	Mx	.017	1
76	MP1C	X	14.077	5
77	MP1C	Z	24.382	5
78	MP1C	Mx	.017	5
79	MP5A	X	14.427	1
80	MP5A	Z	24.989	1
81	MP5A	Mx	-.01	1
82	MP5A	X	14.427	5
83	MP5A	Z	24.989	5
84	MP5A	Mx	-.01	5
85	MP5B	X	14.509	1
86	MP5B	Z	25.13	1
87	MP5B	Mx	-.007	1
88	MP5B	X	14.509	5
89	MP5B	Z	25.13	5
90	MP5B	Mx	-.007	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-20.218	1
2	MP3A	Z	11.673	1
3	MP3A	Mx	.016	1
4	MP3A	X	-20.218	5
5	MP3A	Z	11.673	5
6	MP3A	Mx	.016	5
7	MP3B	X	-19.126	1
8	MP3B	Z	11.042	1
9	MP3B	Mx	-.007	1
10	MP3B	X	-19.126	5
11	MP3B	Z	11.042	5
12	MP3B	Mx	-.007	5
13	MP3C	X	-24.91	1
14	MP3C	Z	14.382	1
15	MP3C	Mx	-.007	1
16	MP3C	X	-24.91	5
17	MP3C	Z	14.382	5
18	MP3C	Mx	-.007	5
19	MP3A	X	-20.218	1
20	MP3A	Z	11.673	1
21	MP3A	Mx	.004	1
22	MP3A	X	-20.218	5
23	MP3A	Z	11.673	5
24	MP3A	Mx	.004	5
25	MP3B	X	-19.126	1
26	MP3B	Z	11.042	1
27	MP3B	Mx	-.014	1
28	MP3B	X	-19.126	5
29	MP3B	Z	11.042	5
30	MP3B	Mx	-.014	5
31	MP3C	X	-24.91	1
32	MP3C	Z	14.382	1
33	MP3C	Mx	.019	1
34	MP3C	X	-24.91	5
35	MP3C	Z	14.382	5
36	MP3C	Mx	.019	5
37	MP4A	X	-10.186	3
38	MP4A	Z	5.881	3
39	MP4A	Mx	-.005	3
40	MP4B	X	-9.65	3
41	MP4B	Z	5.571	3
42	MP4B	Mx	.005	3
43	MP4C	X	-12.491	3
44	MP4C	Z	7.212	3
45	MP4C	Mx	-.003	3
46	MP3A	X	-9.037	3
47	MP3A	Z	5.217	3
48	MP3A	Mx	-.005	3
49	MP3B	X	-8.296	3
50	MP3B	Z	4.79	3
51	MP3B	Mx	.005	3
52	MP3C	X	-12.217	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	7.054	3
54	MP3C	Mx	-.003	3
55	M57	X	-14.74	1
56	M57	Z	8.51	1
57	M57	Mx	0	1
58	M58	X	-14.74	1
59	M58	Z	8.51	1
60	M58	Mx	0	1
61	MP1A	X	-24.458	1
62	MP1A	Z	14.121	1
63	MP1A	Mx	.016	1
64	MP1A	X	-24.458	5
65	MP1A	Z	14.121	5
66	MP1A	Mx	.016	5
67	MP1B	X	-24.317	1
68	MP1B	Z	14.039	1
69	MP1B	Mx	-.018	1
70	MP1B	X	-24.317	5
71	MP1B	Z	14.039	5
72	MP1B	Mx	-.018	5
73	MP1C	X	-25.064	1
74	MP1C	Z	14.471	1
75	MP1C	Mx	.008	1
76	MP1C	X	-25.064	5
77	MP1C	Z	14.471	5
78	MP1C	Mx	.008	5
79	MP5A	X	-24.458	1
80	MP5A	Z	14.121	1
81	MP5A	Mx	.016	1
82	MP5A	X	-24.458	5
83	MP5A	Z	14.121	5
84	MP5A	Mx	.016	5
85	MP5B	X	-24.317	1
86	MP5B	Z	14.039	1
87	MP5B	Mx	-.018	1
88	MP5B	X	-24.317	5
89	MP5B	Z	14.039	5
90	MP5B	Mx	-.018	5
91	MP5C	X	-25.064	1
92	MP5C	Z	14.471	1
93	MP5C	Mx	.008	1
94	MP5C	X	-25.064	5
95	MP5C	Z	14.471	5
96	MP5C	Mx	.008	5
97	MP2A	X	-8.878	2
98	MP2A	Z	5.126	2
99	MP2A	Mx	.004	2
100	MP2A	X	-8.878	4
101	MP2A	Z	5.126	4
102	MP2A	Mx	.004	4
103	MP2B	X	-7.683	2
104	MP2B	Z	4.436	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	MP4A	Mx	-.005	3
40	MP4B	X	-13.331	3
41	MP4B	Z	0	3
42	MP4B	Mx	.004	3
43	MP4C	X	-15.22	3
44	MP4C	Z	0	3
45	MP4C	Mx	.000663	3
46	MP3A	X	-8.828	3
47	MP3A	Z	0	3
48	MP3A	Mx	-.004	3
49	MP3B	X	-12.599	3
50	MP3B	Z	0	3
51	MP3B	Mx	.004	3
52	MP3C	X	-15.206	3
53	MP3C	Z	0	3
54	MP3C	Mx	.000663	3
55	M57	X	-18.777	1
56	M57	Z	0	1
57	M57	Mx	0	1
58	M58	X	-18.777	1
59	M58	Z	0	1
60	M58	Mx	0	1
61	MP1A	X	-27.936	1
62	MP1A	Z	0	1
63	MP1A	Mx	.019	1
64	MP1A	X	-27.936	5
65	MP1A	Z	0	5
66	MP1A	Mx	.019	5
67	MP1B	X	-28.655	1
68	MP1B	Z	0	1
69	MP1B	Mx	-.012	1
70	MP1B	X	-28.655	5
71	MP1B	Z	0	5
72	MP1B	Mx	-.012	5
73	MP1C	X	-29.151	1
74	MP1C	Z	0	1
75	MP1C	Mx	-.002	1
76	MP1C	X	-29.151	5
77	MP1C	Z	0	5
78	MP1C	Mx	-.002	5
79	MP5A	X	-27.936	1
80	MP5A	Z	0	1
81	MP5A	Mx	.019	1
82	MP5A	X	-27.936	5
83	MP5A	Z	0	5
84	MP5A	Mx	.019	5
85	MP5B	X	-28.655	1
86	MP5B	Z	0	1
87	MP5B	Mx	-.012	1
88	MP5B	X	-28.655	5
89	MP5B	Z	0	5
90	MP5B	Mx	-.012	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	MP5C	X	-29.151	1
92	MP5C	Z	0	1
93	MP5C	Mx	-.002	1
94	MP5C	X	-29.151	5
95	MP5C	Z	0	5
96	MP5C	Mx	-.002	5
97	MP2A	X	-7.658	2
98	MP2A	Z	0	2
99	MP2A	Mx	.004	2
100	MP2A	X	-7.658	4
101	MP2A	Z	0	4
102	MP2A	Mx	.004	4
103	MP2B	X	-13.745	2
104	MP2B	Z	0	2
105	MP2B	Mx	-.004	2
106	MP2B	X	-13.745	4
107	MP2B	Z	0	4
108	MP2B	Mx	-.004	4
109	MP2C	X	-17.952	2
110	MP2C	Z	0	2
111	MP2C	Mx	-.000782	2
112	MP2C	X	-17.952	4
113	MP2C	Z	0	4
114	MP2C	Mx	-.000782	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-20.218	1
2	MP3A	Z	-11.673	1
3	MP3A	Mx	.004	1
4	MP3A	X	-20.218	5
5	MP3A	Z	-11.673	5
6	MP3A	Mx	.004	5
7	MP3B	X	-26.129	1
8	MP3B	Z	-15.086	1
9	MP3B	Mx	.012	1
10	MP3B	X	-26.129	5
11	MP3B	Z	-15.086	5
12	MP3B	Mx	.012	5
13	MP3C	X	-23.675	1
14	MP3C	Z	-13.669	1
15	MP3C	Mx	-.019	1
16	MP3C	X	-23.675	5
17	MP3C	Z	-13.669	5
18	MP3C	Mx	-.019	5
19	MP3A	X	-20.218	1
20	MP3A	Z	-11.673	1
21	MP3A	Mx	.016	1
22	MP3A	X	-20.218	5
23	MP3A	Z	-11.673	5
24	MP3A	Mx	.016	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP3B	X	-26.129	1
26	MP3B	Z	-15.086	1
27	MP3B	Mx	-.017	1
28	MP3B	X	-26.129	5
29	MP3B	Z	-15.086	5
30	MP3B	Mx	-.017	5
31	MP3C	X	-23.675	1
32	MP3C	Z	-13.669	1
33	MP3C	Mx	.003	1
34	MP3C	X	-23.675	5
35	MP3C	Z	-13.669	5
36	MP3C	Mx	.003	5
37	MP4A	X	-10.186	3
38	MP4A	Z	-5.881	3
39	MP4A	Mx	-.005	3
40	MP4B	X	-13.09	3
41	MP4B	Z	-7.557	3
42	MP4B	Mx	.001	3
43	MP4C	X	-11.884	3
44	MP4C	Z	-6.861	3
45	MP4C	Mx	.004	3
46	MP3A	X	-9.037	3
47	MP3A	Z	-5.217	3
48	MP3A	Mx	-.005	3
49	MP3B	X	-13.043	3
50	MP3B	Z	-7.531	3
51	MP3B	Mx	.001	3
52	MP3C	X	-11.38	3
53	MP3C	Z	-6.57	3
54	MP3C	Mx	.004	3
55	M57	X	-24.497	1
56	M57	Z	-14.143	1
57	M57	Mx	0	1
58	M58	X	-24.497	1
59	M58	Z	-14.143	1
60	M58	Mx	0	1
61	MP1A	X	-24.458	1
62	MP1A	Z	-14.121	1
63	MP1A	Mx	.016	1
64	MP1A	X	-24.458	5
65	MP1A	Z	-14.121	5
66	MP1A	Mx	.016	5
67	MP1B	X	-25.222	1
68	MP1B	Z	-14.562	1
69	MP1B	Mx	-.003	1
70	MP1B	X	-25.222	5
71	MP1B	Z	-14.562	5
72	MP1B	Mx	-.003	5
73	MP1C	X	-24.905	1
74	MP1C	Z	-14.379	1
75	MP1C	Mx	-.011	1
76	MP1C	X	-24.905	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1
2	MP3A	Z	-9.971	1
3	MP3A	Mx	-.005	1
4	MP3A	X	0	5
5	MP3A	Z	-9.971	5
6	MP3A	Mx	-.005	5
7	MP3B	X	0	1
8	MP3B	Z	-7.988	1
9	MP3B	Mx	.006	1
10	MP3B	X	0	5
11	MP3B	Z	-7.988	5
12	MP3B	Mx	.006	5
13	MP3C	X	0	1
14	MP3C	Z	-6.617	1
15	MP3C	Mx	-.003	1
16	MP3C	X	0	5
17	MP3C	Z	-6.617	5
18	MP3C	Mx	-.003	5
19	MP3A	X	0	1
20	MP3A	Z	-9.971	1
21	MP3A	Mx	.005	1
22	MP3A	X	0	5
23	MP3A	Z	-9.971	5
24	MP3A	Mx	.005	5
25	MP3B	X	0	1
26	MP3B	Z	-7.988	1
27	MP3B	Mx	.000492	1
28	MP3B	X	0	5
29	MP3B	Z	-7.988	5
30	MP3B	Mx	.000492	5
31	MP3C	X	0	1
32	MP3C	Z	-6.617	1
33	MP3C	Mx	-.004	1
34	MP3C	X	0	5
35	MP3C	Z	-6.617	5
36	MP3C	Mx	-.004	5
37	MP4A	X	0	3
38	MP4A	Z	-4.615	3
39	MP4A	Mx	0	3
40	MP4B	X	0	3
41	MP4B	Z	-3.717	3
42	MP4B	Mx	-.001	3
43	MP4C	X	0	3
44	MP4C	Z	-3.097	3
45	MP4C	Mx	.002	3
46	MP3A	X	0	3
47	MP3A	Z	-4.615	3
48	MP3A	Mx	0	3
49	MP3B	X	0	3
50	MP3B	Z	-3.373	3
51	MP3B	Mx	-.001	3
52	MP3C	X	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	-2.515	3
54	MP3C	Mx	.001	3
55	M57	X	0	1
56	M57	Z	-11.038	1
57	M57	Mx	0	1
58	M58	X	0	1
59	M58	Z	-11.038	1
60	M58	Mx	0	1
61	MP1A	X	0	1
62	MP1A	Z	-9.341	1
63	MP1A	Mx	0	1
64	MP1A	X	0	5
65	MP1A	Z	-9.341	5
66	MP1A	Mx	0	5
67	MP1B	X	0	1
68	MP1B	Z	-9.108	1
69	MP1B	Mx	.005	1
70	MP1B	X	0	5
71	MP1B	Z	-9.108	5
72	MP1B	Mx	.005	5
73	MP1C	X	0	1
74	MP1C	Z	-8.947	1
75	MP1C	Mx	-.006	1
76	MP1C	X	0	5
77	MP1C	Z	-8.947	5
78	MP1C	Mx	-.006	5
79	MP5A	X	0	1
80	MP5A	Z	-9.341	1
81	MP5A	Mx	0	1
82	MP5A	X	0	5
83	MP5A	Z	-9.341	5
84	MP5A	Mx	0	5
85	MP5B	X	0	1
86	MP5B	Z	-9.108	1
87	MP5B	Mx	.005	1
88	MP5B	X	0	5
89	MP5B	Z	-9.108	5
90	MP5B	Mx	.005	5
91	MP5C	X	0	1
92	MP5C	Z	-8.947	1
93	MP5C	Mx	-.006	1
94	MP5C	X	0	5
95	MP5C	Z	-8.947	5
96	MP5C	Mx	-.006	5
97	MP2A	X	0	2
98	MP2A	Z	-5.769	2
99	MP2A	Mx	0	2
100	MP2A	X	0	4
101	MP2A	Z	-5.769	4
102	MP2A	Mx	0	4
103	MP2B	X	0	2
104	MP2B	Z	-3.709	2

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	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
105	MP2B	Mx	.001	2
106	MP2B	X	0	4
107	MP2B	Z	-3.709	4
108	MP2B	Mx	.001	4
109	MP2C	X	0	2
110	MP2C	Z	-2.285	2
111	MP2C	Mx	-.001	2
112	MP2C	X	0	4
113	MP2C	Z	-2.285	4
114	MP2C	Mx	-.001	4

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	4.563	1
2	MP3A	Z	-7.904	1
3	MP3A	Mx	-.006	1
4	MP3A	X	4.563	5
5	MP3A	Z	-7.904	5
6	MP3A	Mx	-.006	5
7	MP3B	X	3.347	1
8	MP3B	Z	-5.797	1
9	MP3B	Mx	.004	1
10	MP3B	X	3.347	5
11	MP3B	Z	-5.797	5
12	MP3B	Mx	.004	5
13	MP3C	X	3.852	1
14	MP3C	Z	-6.671	1
15	MP3C	Mx	-.000946	1
16	MP3C	X	3.852	5
17	MP3C	Z	-6.671	5
18	MP3C	Mx	-.000946	5
19	MP3A	X	4.563	1
20	MP3A	Z	-7.904	1
21	MP3A	Mx	.002	1
22	MP3A	X	4.563	5
23	MP3A	Z	-7.904	5
24	MP3A	Mx	.002	5
25	MP3B	X	3.347	1
26	MP3B	Z	-5.797	1
27	MP3B	Mx	.003	1
28	MP3B	X	3.347	5
29	MP3B	Z	-5.797	5
30	MP3B	Mx	.003	5
31	MP3C	X	3.852	1
32	MP3C	Z	-6.671	1
33	MP3C	Mx	-.005	1
34	MP3C	X	3.852	5
35	MP3C	Z	-6.671	5
36	MP3C	Mx	-.005	5
37	MP4A	X	2.116	3
38	MP4A	Z	-3.666	3

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	Member Label	Direction	Magnitude [lb, k-ft]	Location [ft, %]
39	MP4A	Mx	.001	3
40	MP4B	X	1.566	3
41	MP4B	Z	-2.712	3
42	MP4B	Mx	-.002	3
43	MP4C	X	1.794	3
44	MP4C	Z	-3.108	3
45	MP4C	Mx	.001	3
46	MP3A	X	2.043	3
47	MP3A	Z	-3.539	3
48	MP3A	Mx	.001	3
49	MP3B	X	1.281	3
50	MP3B	Z	-2.219	3
51	MP3B	Mx	-.001	3
52	MP3C	X	1.598	3
53	MP3C	Z	-2.767	3
54	MP3C	Mx	.001	3
55	M57	X	3.896	1
56	M57	Z	-6.748	1
57	M57	Mx	0	1
58	M58	X	3.896	1
59	M58	Z	-6.748	1
60	M58	Mx	0	1
61	MP1A	X	4.621	1
62	MP1A	Z	-8.004	1
63	MP1A	Mx	-.003	1
64	MP1A	X	4.621	5
65	MP1A	Z	-8.004	5
66	MP1A	Mx	-.003	5
67	MP1B	X	4.478	1
68	MP1B	Z	-7.756	1
69	MP1B	Mx	.006	1
70	MP1B	X	4.478	5
71	MP1B	Z	-7.756	5
72	MP1B	Mx	.006	5
73	MP1C	X	4.537	1
74	MP1C	Z	-7.859	1
75	MP1C	Mx	-.005	1
76	MP1C	X	4.537	5
77	MP1C	Z	-7.859	5
78	MP1C	Mx	-.005	5
79	MP5A	X	4.621	1
80	MP5A	Z	-8.004	1
81	MP5A	Mx	-.003	1
82	MP5A	X	4.621	5
83	MP5A	Z	-8.004	5
84	MP5A	Mx	-.003	5
85	MP5B	X	4.478	1
86	MP5B	Z	-7.756	1
87	MP5B	Mx	.006	1
88	MP5B	X	4.478	5
89	MP5B	Z	-7.756	5
90	MP5B	Mx	.006	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	MP5C	X	4.537	1
92	MP5C	Z	-7.859	1
93	MP5C	Mx	-.005	1
94	MP5C	X	4.537	5
95	MP5C	Z	-7.859	5
96	MP5C	Mx	-.005	5
97	MP2A	X	2.446	2
98	MP2A	Z	-4.236	2
99	MP2A	Mx	-.001	2
100	MP2A	X	2.446	4
101	MP2A	Z	-4.236	4
102	MP2A	Mx	-.001	4
103	MP2B	X	1.182	2
104	MP2B	Z	-2.048	2
105	MP2B	Mx	.001	2
106	MP2B	X	1.182	4
107	MP2B	Z	-2.048	4
108	MP2B	Mx	.001	4
109	MP2C	X	1.707	2
110	MP2C	Z	-2.956	2
111	MP2C	Mx	-.001	2
112	MP2C	X	1.707	4
113	MP2C	Z	-2.956	4
114	MP2C	Mx	-.001	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	6.44	1
2	MP3A	Z	-3.718	1
3	MP3A	Mx	-.005	1
4	MP3A	X	6.44	5
5	MP3A	Z	-3.718	5
6	MP3A	Mx	-.005	5
7	MP3B	X	6.051	1
8	MP3B	Z	-3.494	1
9	MP3B	Mx	.002	1
10	MP3B	X	6.051	5
11	MP3B	Z	-3.494	5
12	MP3B	Mx	.002	5
13	MP3C	X	8.112	1
14	MP3C	Z	-4.684	1
15	MP3C	Mx	.002	1
16	MP3C	X	8.112	5
17	MP3C	Z	-4.684	5
18	MP3C	Mx	.002	5
19	MP3A	X	6.44	1
20	MP3A	Z	-3.718	1
21	MP3A	Mx	-.001	1
22	MP3A	X	6.44	5
23	MP3A	Z	-3.718	5
24	MP3A	Mx	-.001	5

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	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
25	MP3B	X	6.051	1
26	MP3B	Z	-3.494	1
27	MP3B	Mx	.004	1
28	MP3B	X	6.051	5
29	MP3B	Z	-3.494	5
30	MP3B	Mx	.004	5
31	MP3C	X	8.112	1
32	MP3C	Z	-4.684	1
33	MP3C	Mx	-.006	1
34	MP3C	X	8.112	5
35	MP3C	Z	-4.684	5
36	MP3C	Mx	-.006	5
37	MP4A	X	3.003	3
38	MP4A	Z	-1.734	3
39	MP4A	Mx	.002	3
40	MP4B	X	2.827	3
41	MP4B	Z	-1.632	3
42	MP4B	Mx	-.002	3
43	MP4C	X	3.76	3
44	MP4C	Z	-2.171	3
45	MP4C	Mx	.000918	3
46	MP3A	X	2.622	3
47	MP3A	Z	-1.514	3
48	MP3A	Mx	.001	3
49	MP3B	X	2.379	3
50	MP3B	Z	-1.373	3
51	MP3B	Mx	-.001	3
52	MP3C	X	3.67	3
53	MP3C	Z	-2.119	3
54	MP3C	Mx	.000896	3
55	M57	X	4.455	1
56	M57	Z	-2.572	1
57	M57	Mx	0	1
58	M58	X	4.455	1
59	M58	Z	-2.572	1
60	M58	Mx	0	1
61	MP1A	X	7.831	1
62	MP1A	Z	-4.521	1
63	MP1A	Mx	-.005	1
64	MP1A	X	7.831	5
65	MP1A	Z	-4.521	5
66	MP1A	Mx	-.005	5
67	MP1B	X	7.786	1
68	MP1B	Z	-4.495	1
69	MP1B	Mx	.006	1
70	MP1B	X	7.786	5
71	MP1B	Z	-4.495	5
72	MP1B	Mx	.006	5
73	MP1C	X	8.028	1
74	MP1C	Z	-4.635	1
75	MP1C	Mx	-.003	1
76	MP1C	X	8.028	5

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	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
77	MP1C	Z	-4.635	5
78	MP1C	Mx	-.003	5
79	MP5A	X	7.831	1
80	MP5A	Z	-4.521	1
81	MP5A	Mx	-.005	1
82	MP5A	X	7.831	5
83	MP5A	Z	-4.521	5
84	MP5A	Mx	-.005	5
85	MP5B	X	7.786	1
86	MP5B	Z	-4.495	1
87	MP5B	Mx	.006	1
88	MP5B	X	7.786	5
89	MP5B	Z	-4.495	5
90	MP5B	Mx	.006	5
91	MP5C	X	8.028	1
92	MP5C	Z	-4.635	1
93	MP5C	Mx	-.003	1
94	MP5C	X	8.028	5
95	MP5C	Z	-4.635	5
96	MP5C	Mx	-.003	5
97	MP2A	X	2.716	2
98	MP2A	Z	-1.568	2
99	MP2A	Mx	-.001	2
100	MP2A	X	2.716	4
101	MP2A	Z	-1.568	4
102	MP2A	Mx	-.001	4
103	MP2B	X	2.312	2
104	MP2B	Z	-1.335	2
105	MP2B	Mx	.001	2
106	MP2B	X	2.312	4
107	MP2B	Z	-1.335	4
108	MP2B	Mx	.001	4
109	MP2C	X	4.453	2
110	MP2C	Z	-2.571	2
111	MP2C	Mx	-.001	2
112	MP2C	X	4.453	4
113	MP2C	Z	-2.571	4
114	MP2C	Mx	-.001	4

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	6.592	1
2	MP3A	Z	0	1
3	MP3A	Mx	-.003	1
4	MP3A	X	6.592	5
5	MP3A	Z	0	5
6	MP3A	Mx	-.003	5
7	MP3B	X	8.575	1
8	MP3B	Z	0	1
9	MP3B	Mx	-.000528	1
10	MP3B	X	8.575	5

Company :
 Designer :
 Job Number :
 Model Name :

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP3B	Z	0	5
12	MP3B	Mx	-.000528	5
13	MP3C	X	9.945	1
14	MP3C	Z	0	1
15	MP3C	Mx	.005	1
16	MP3C	X	9.945	5
17	MP3C	Z	0	5
18	MP3C	Mx	.005	5
19	MP3A	X	6.592	1
20	MP3A	Z	0	1
21	MP3A	Mx	-.003	1
22	MP3A	X	6.592	5
23	MP3A	Z	0	5
24	MP3A	Mx	-.003	5
25	MP3B	X	8.575	1
26	MP3B	Z	0	1
27	MP3B	Mx	.006	1
28	MP3B	X	8.575	5
29	MP3B	Z	0	5
30	MP3B	Mx	.006	5
31	MP3C	X	9.945	1
32	MP3C	Z	0	1
33	MP3C	Mx	-.005	1
34	MP3C	X	9.945	5
35	MP3C	Z	0	5
36	MP3C	Mx	-.005	5
37	MP4A	X	3.085	3
38	MP4A	Z	0	3
39	MP4A	Mx	.002	3
40	MP4B	X	3.983	3
41	MP4B	Z	0	3
42	MP4B	Mx	-.001	3
43	MP4C	X	4.604	3
44	MP4C	Z	0	3
45	MP4C	Mx	-.000201	3
46	MP3A	X	2.499	3
47	MP3A	Z	0	3
48	MP3A	Mx	.001	3
49	MP3B	X	3.741	3
50	MP3B	Z	0	3
51	MP3B	Mx	-.001	3
52	MP3C	X	4.599	3
53	MP3C	Z	0	3
54	MP3C	Mx	-.0002	3
55	M57	X	5.745	1
56	M57	Z	0	1
57	M57	Mx	0	1
58	M58	X	5.745	1
59	M58	Z	0	1
60	M58	Mx	0	1
61	MP1A	X	8.944	1
62	MP1A	Z	0	1

Company :
 Designer :
 Job Number :
 Model Name :

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP1A	Mx	-.006	1
64	MP1A	X	8.944	5
65	MP1A	Z	0	5
66	MP1A	Mx	-.006	5
67	MP1B	X	9.177	1
68	MP1B	Z	0	1
69	MP1B	Mx	.004	1
70	MP1B	X	9.177	5
71	MP1B	Z	0	5
72	MP1B	Mx	.004	5
73	MP1C	X	9.338	1
74	MP1C	Z	0	1
75	MP1C	Mx	.000543	1
76	MP1C	X	9.338	5
77	MP1C	Z	0	5
78	MP1C	Mx	.000543	5
79	MP5A	X	8.944	1
80	MP5A	Z	0	1
81	MP5A	Mx	-.006	1
82	MP5A	X	8.944	5
83	MP5A	Z	0	5
84	MP5A	Mx	-.006	5
85	MP5B	X	9.177	1
86	MP5B	Z	0	1
87	MP5B	Mx	.004	1
88	MP5B	X	9.177	5
89	MP5B	Z	0	5
90	MP5B	Mx	.004	5
91	MP5C	X	9.338	1
92	MP5C	Z	0	1
93	MP5C	Mx	.000543	1
94	MP5C	X	9.338	5
95	MP5C	Z	0	5
96	MP5C	Mx	.000543	5
97	MP2A	X	2.259	2
98	MP2A	Z	0	2
99	MP2A	Mx	-.001	2
100	MP2A	X	2.259	4
101	MP2A	Z	0	4
102	MP2A	Mx	-.001	4
103	MP2B	X	4.319	2
104	MP2B	Z	0	2
105	MP2B	Mx	.001	2
106	MP2B	X	4.319	4
107	MP2B	Z	0	4
108	MP2B	Mx	.001	4
109	MP2C	X	5.742	2
110	MP2C	Z	0	2
111	MP2C	Mx	.00025	2
112	MP2C	X	5.742	4
113	MP2C	Z	0	4
114	MP2C	Mx	.00025	4

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	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP3A	X	6.44	1
2	MP3A	Z	3.718	1
3	MP3A	Mx	-.001	1
4	MP3A	X	6.44	5
5	MP3A	Z	3.718	5
6	MP3A	Mx	-.001	5
7	MP3B	X	8.547	1
8	MP3B	Z	4.935	1
9	MP3B	Mx	-.004	1
10	MP3B	X	8.547	5
11	MP3B	Z	4.935	5
12	MP3B	Mx	-.004	5
13	MP3C	X	7.672	1
14	MP3C	Z	4.43	1
15	MP3C	Mx	.006	1
16	MP3C	X	7.672	5
17	MP3C	Z	4.43	5
18	MP3C	Mx	.006	5
19	MP3A	X	6.44	1
20	MP3A	Z	3.718	1
21	MP3A	Mx	-.005	1
22	MP3A	X	6.44	5
23	MP3A	Z	3.718	5
24	MP3A	Mx	-.005	5
25	MP3B	X	8.547	1
26	MP3B	Z	4.935	1
27	MP3B	Mx	.006	1
28	MP3B	X	8.547	5
29	MP3B	Z	4.935	5
30	MP3B	Mx	.006	5
31	MP3C	X	7.672	1
32	MP3C	Z	4.43	1
33	MP3C	Mx	-.001	1
34	MP3C	X	7.672	5
35	MP3C	Z	4.43	5
36	MP3C	Mx	-.001	5
37	MP4A	X	3.003	3
38	MP4A	Z	1.734	3
39	MP4A	Mx	.002	3
40	MP4B	X	3.957	3
41	MP4B	Z	2.285	3
42	MP4B	Mx	-.000397	3
43	MP4C	X	3.561	3
44	MP4C	Z	2.056	3
45	MP4C	Mx	-.001	3
46	MP3A	X	2.622	3
47	MP3A	Z	1.514	3
48	MP3A	Mx	.001	3
49	MP3B	X	3.942	3
50	MP3B	Z	2.276	3
51	MP3B	Mx	-.000395	3
52	MP3C	X	3.394	3

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	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
53	MP3C	Z	1.96	3
54	MP3C	Mx	-.001	3
55	M57	X	7.787	1
56	M57	Z	4.496	1
57	M57	Mx	0	1
58	M58	X	7.787	1
59	M58	Z	4.496	1
60	M58	Mx	0	1
61	MP1A	X	7.831	1
62	MP1A	Z	4.521	1
63	MP1A	Mx	-.005	1
64	MP1A	X	7.831	5
65	MP1A	Z	4.521	5
66	MP1A	Mx	-.005	5
67	MP1B	X	8.079	1
68	MP1B	Z	4.665	1
69	MP1B	Mx	.001	1
70	MP1B	X	8.079	5
71	MP1B	Z	4.665	5
72	MP1B	Mx	.001	5
73	MP1C	X	7.976	1
74	MP1C	Z	4.605	1
75	MP1C	Mx	.004	1
76	MP1C	X	7.976	5
77	MP1C	Z	4.605	5
78	MP1C	Mx	.004	5
79	MP5A	X	7.831	1
80	MP5A	Z	4.521	1
81	MP5A	Mx	-.005	1
82	MP5A	X	7.831	5
83	MP5A	Z	4.521	5
84	MP5A	Mx	-.005	5
85	MP5B	X	8.079	1
86	MP5B	Z	4.665	1
87	MP5B	Mx	.001	1
88	MP5B	X	8.079	5
89	MP5B	Z	4.665	5
90	MP5B	Mx	.001	5
91	MP5C	X	7.976	1
92	MP5C	Z	4.605	1
93	MP5C	Mx	.004	1
94	MP5C	X	7.976	5
95	MP5C	Z	4.605	5
96	MP5C	Mx	.004	5
97	MP2A	X	2.716	2
98	MP2A	Z	1.568	2
99	MP2A	Mx	-.001	2
100	MP2A	X	2.716	4
101	MP2A	Z	1.568	4
102	MP2A	Mx	-.001	4
103	MP2B	X	4.905	2
104	MP2B	Z	2.832	2

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	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	MP5C	X	4.507	1
92	MP5C	Z	7.807	1
93	MP5C	Mx	.005	1
94	MP5C	X	4.507	5
95	MP5C	Z	7.807	5
96	MP5C	Mx	.005	5
97	MP2A	X	2.446	2
98	MP2A	Z	4.236	2
99	MP2A	Mx	-.001	2
100	MP2A	X	2.446	4
101	MP2A	Z	4.236	4
102	MP2A	Mx	-.001	4
103	MP2B	X	2.679	2
104	MP2B	Z	4.641	2
105	MP2B	Mx	-.000917	2
106	MP2B	X	2.679	4
107	MP2B	Z	4.641	4
108	MP2B	Mx	-.000917	4
109	MP2C	X	1.443	2
110	MP2C	Z	2.499	2
111	MP2C	Mx	.001	2
112	MP2C	X	1.443	4
113	MP2C	Z	2.499	4
114	MP2C	Mx	.001	4

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1
2	MP3A	Z	9.971	1
3	MP3A	Mx	.005	1
4	MP3A	X	0	5
5	MP3A	Z	9.971	5
6	MP3A	Mx	.005	5
7	MP3B	X	0	1
8	MP3B	Z	7.988	1
9	MP3B	Mx	-.006	1
10	MP3B	X	0	5
11	MP3B	Z	7.988	5
12	MP3B	Mx	-.006	5
13	MP3C	X	0	1
14	MP3C	Z	6.617	1
15	MP3C	Mx	.003	1
16	MP3C	X	0	5
17	MP3C	Z	6.617	5
18	MP3C	Mx	.003	5
19	MP3A	X	0	1
20	MP3A	Z	9.971	1
21	MP3A	Mx	-.005	1
22	MP3A	X	0	5
23	MP3A	Z	9.971	5
24	MP3A	Mx	-.005	5

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	Member Label	Direction	Magnitude [lb, k-ft]	Location [ft, %]
25	MP3B	X	0	1
26	MP3B	Z	7.988	1
27	MP3B	Mx	-.000492	1
28	MP3B	X	0	5
29	MP3B	Z	7.988	5
30	MP3B	Mx	-.000492	5
31	MP3C	X	0	1
32	MP3C	Z	6.617	1
33	MP3C	Mx	.004	1
34	MP3C	X	0	5
35	MP3C	Z	6.617	5
36	MP3C	Mx	.004	5
37	MP4A	X	0	3
38	MP4A	Z	4.615	3
39	MP4A	Mx	0	3
40	MP4B	X	0	3
41	MP4B	Z	3.717	3
42	MP4B	Mx	.001	3
43	MP4C	X	0	3
44	MP4C	Z	3.097	3
45	MP4C	Mx	-.002	3
46	MP3A	X	0	3
47	MP3A	Z	4.615	3
48	MP3A	Mx	0	3
49	MP3B	X	0	3
50	MP3B	Z	3.373	3
51	MP3B	Mx	.001	3
52	MP3C	X	0	3
53	MP3C	Z	2.515	3
54	MP3C	Mx	-.001	3
55	M57	X	0	1
56	M57	Z	11.038	1
57	M57	Mx	0	1
58	M58	X	0	1
59	M58	Z	11.038	1
60	M58	Mx	0	1
61	MP1A	X	0	1
62	MP1A	Z	9.341	1
63	MP1A	Mx	0	1
64	MP1A	X	0	5
65	MP1A	Z	9.341	5
66	MP1A	Mx	0	5
67	MP1B	X	0	1
68	MP1B	Z	9.108	1
69	MP1B	Mx	-.005	1
70	MP1B	X	0	5
71	MP1B	Z	9.108	5
72	MP1B	Mx	-.005	5
73	MP1C	X	0	1
74	MP1C	Z	8.947	1
75	MP1C	Mx	.006	1
76	MP1C	X	0	5

Company :
 Designer :
 Job Number :
 Model Name :

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP1C	Z	8.947	5
78	MP1C	Mx	.006	5
79	MP5A	X	0	1
80	MP5A	Z	9.341	1
81	MP5A	Mx	0	1
82	MP5A	X	0	5
83	MP5A	Z	9.341	5
84	MP5A	Mx	0	5
85	MP5B	X	0	1
86	MP5B	Z	9.108	1
87	MP5B	Mx	-.005	1
88	MP5B	X	0	5
89	MP5B	Z	9.108	5
90	MP5B	Mx	-.005	5
91	MP5C	X	0	1
92	MP5C	Z	8.947	1
93	MP5C	Mx	.006	1
94	MP5C	X	0	5
95	MP5C	Z	8.947	5
96	MP5C	Mx	.006	5
97	MP2A	X	0	2
98	MP2A	Z	5.769	2
99	MP2A	Mx	0	2
100	MP2A	X	0	4
101	MP2A	Z	5.769	4
102	MP2A	Mx	0	4
103	MP2B	X	0	2
104	MP2B	Z	3.709	2
105	MP2B	Mx	-.001	2
106	MP2B	X	0	4
107	MP2B	Z	3.709	4
108	MP2B	Mx	-.001	4
109	MP2C	X	0	2
110	MP2C	Z	2.285	2
111	MP2C	Mx	.001	2
112	MP2C	X	0	4
113	MP2C	Z	2.285	4
114	MP2C	Mx	.001	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-4.563	1
2	MP3A	Z	7.904	1
3	MP3A	Mx	.006	1
4	MP3A	X	-4.563	5
5	MP3A	Z	7.904	5
6	MP3A	Mx	.006	5
7	MP3B	X	-3.347	1
8	MP3B	Z	5.797	1
9	MP3B	Mx	-.004	1
10	MP3B	X	-3.347	5

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	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
11	MP3B	Z	5.797	5
12	MP3B	Mx	-.004	5
13	MP3C	X	-3.852	1
14	MP3C	Z	6.671	1
15	MP3C	Mx	.000946	1
16	MP3C	X	-3.852	5
17	MP3C	Z	6.671	5
18	MP3C	Mx	.000946	5
19	MP3A	X	-4.563	1
20	MP3A	Z	7.904	1
21	MP3A	Mx	-.002	1
22	MP3A	X	-4.563	5
23	MP3A	Z	7.904	5
24	MP3A	Mx	-.002	5
25	MP3B	X	-3.347	1
26	MP3B	Z	5.797	1
27	MP3B	Mx	-.003	1
28	MP3B	X	-3.347	5
29	MP3B	Z	5.797	5
30	MP3B	Mx	-.003	5
31	MP3C	X	-3.852	1
32	MP3C	Z	6.671	1
33	MP3C	Mx	.005	1
34	MP3C	X	-3.852	5
35	MP3C	Z	6.671	5
36	MP3C	Mx	.005	5
37	MP4A	X	-2.116	3
38	MP4A	Z	3.666	3
39	MP4A	Mx	-.001	3
40	MP4B	X	-1.566	3
41	MP4B	Z	2.712	3
42	MP4B	Mx	.002	3
43	MP4C	X	-1.794	3
44	MP4C	Z	3.108	3
45	MP4C	Mx	-.001	3
46	MP3A	X	-2.043	3
47	MP3A	Z	3.539	3
48	MP3A	Mx	-.001	3
49	MP3B	X	-1.281	3
50	MP3B	Z	2.219	3
51	MP3B	Mx	.001	3
52	MP3C	X	-1.598	3
53	MP3C	Z	2.767	3
54	MP3C	Mx	-.001	3
55	M57	X	-3.896	1
56	M57	Z	6.748	1
57	M57	Mx	0	1
58	M58	X	-3.896	1
59	M58	Z	6.748	1
60	M58	Mx	0	1
61	MP1A	X	-4.621	1
62	MP1A	Z	8.004	1

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	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
63	MP1A	Mx	.003	1
64	MP1A	X	-4.621	5
65	MP1A	Z	8.004	5
66	MP1A	Mx	.003	5
67	MP1B	X	-4.478	1
68	MP1B	Z	7.756	1
69	MP1B	Mx	-.006	1
70	MP1B	X	-4.478	5
71	MP1B	Z	7.756	5
72	MP1B	Mx	-.006	5
73	MP1C	X	-4.537	1
74	MP1C	Z	7.859	1
75	MP1C	Mx	.005	1
76	MP1C	X	-4.537	5
77	MP1C	Z	7.859	5
78	MP1C	Mx	.005	5
79	MP5A	X	-4.621	1
80	MP5A	Z	8.004	1
81	MP5A	Mx	.003	1
82	MP5A	X	-4.621	5
83	MP5A	Z	8.004	5
84	MP5A	Mx	.003	5
85	MP5B	X	-4.478	1
86	MP5B	Z	7.756	1
87	MP5B	Mx	-.006	1
88	MP5B	X	-4.478	5
89	MP5B	Z	7.756	5
90	MP5B	Mx	-.006	5
91	MP5C	X	-4.537	1
92	MP5C	Z	7.859	1
93	MP5C	Mx	.005	1
94	MP5C	X	-4.537	5
95	MP5C	Z	7.859	5
96	MP5C	Mx	.005	5
97	MP2A	X	-2.446	2
98	MP2A	Z	4.236	2
99	MP2A	Mx	.001	2
100	MP2A	X	-2.446	4
101	MP2A	Z	4.236	4
102	MP2A	Mx	.001	4
103	MP2B	X	-1.182	2
104	MP2B	Z	2.048	2
105	MP2B	Mx	-.001	2
106	MP2B	X	-1.182	4
107	MP2B	Z	2.048	4
108	MP2B	Mx	-.001	4
109	MP2C	X	-1.707	2
110	MP2C	Z	2.956	2
111	MP2C	Mx	.001	2
112	MP2C	X	-1.707	4
113	MP2C	Z	2.956	4
114	MP2C	Mx	.001	4

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	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP3A	X	-6.44	1
2	MP3A	Z	3.718	1
3	MP3A	Mx	.005	1
4	MP3A	X	-6.44	5
5	MP3A	Z	3.718	5
6	MP3A	Mx	.005	5
7	MP3B	X	-6.051	1
8	MP3B	Z	3.494	1
9	MP3B	Mx	-.002	1
10	MP3B	X	-6.051	5
11	MP3B	Z	3.494	5
12	MP3B	Mx	-.002	5
13	MP3C	X	-8.112	1
14	MP3C	Z	4.684	1
15	MP3C	Mx	-.002	1
16	MP3C	X	-8.112	5
17	MP3C	Z	4.684	5
18	MP3C	Mx	-.002	5
19	MP3A	X	-6.44	1
20	MP3A	Z	3.718	1
21	MP3A	Mx	.001	1
22	MP3A	X	-6.44	5
23	MP3A	Z	3.718	5
24	MP3A	Mx	.001	5
25	MP3B	X	-6.051	1
26	MP3B	Z	3.494	1
27	MP3B	Mx	-.004	1
28	MP3B	X	-6.051	5
29	MP3B	Z	3.494	5
30	MP3B	Mx	-.004	5
31	MP3C	X	-8.112	1
32	MP3C	Z	4.684	1
33	MP3C	Mx	.006	1
34	MP3C	X	-8.112	5
35	MP3C	Z	4.684	5
36	MP3C	Mx	.006	5
37	MP4A	X	-3.003	3
38	MP4A	Z	1.734	3
39	MP4A	Mx	-.002	3
40	MP4B	X	-2.827	3
41	MP4B	Z	1.632	3
42	MP4B	Mx	.002	3
43	MP4C	X	-3.76	3
44	MP4C	Z	2.171	3
45	MP4C	Mx	-.000918	3
46	MP3A	X	-2.622	3
47	MP3A	Z	1.514	3
48	MP3A	Mx	-.001	3
49	MP3B	X	-2.379	3
50	MP3B	Z	1.373	3
51	MP3B	Mx	.001	3
52	MP3C	X	-3.67	3

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	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
53	MP3C	Z	2.119	3
54	MP3C	Mx	-.000896	3
55	M57	X	-4.455	1
56	M57	Z	2.572	1
57	M57	Mx	0	1
58	M58	X	-4.455	1
59	M58	Z	2.572	1
60	M58	Mx	0	1
61	MP1A	X	-7.831	1
62	MP1A	Z	4.521	1
63	MP1A	Mx	.005	1
64	MP1A	X	-7.831	5
65	MP1A	Z	4.521	5
66	MP1A	Mx	.005	5
67	MP1B	X	-7.786	1
68	MP1B	Z	4.495	1
69	MP1B	Mx	-.006	1
70	MP1B	X	-7.786	5
71	MP1B	Z	4.495	5
72	MP1B	Mx	-.006	5
73	MP1C	X	-8.028	1
74	MP1C	Z	4.635	1
75	MP1C	Mx	.003	1
76	MP1C	X	-8.028	5
77	MP1C	Z	4.635	5
78	MP1C	Mx	.003	5
79	MP5A	X	-7.831	1
80	MP5A	Z	4.521	1
81	MP5A	Mx	.005	1
82	MP5A	X	-7.831	5
83	MP5A	Z	4.521	5
84	MP5A	Mx	.005	5
85	MP5B	X	-7.786	1
86	MP5B	Z	4.495	1
87	MP5B	Mx	-.006	1
88	MP5B	X	-7.786	5
89	MP5B	Z	4.495	5
90	MP5B	Mx	-.006	5
91	MP5C	X	-8.028	1
92	MP5C	Z	4.635	1
93	MP5C	Mx	.003	1
94	MP5C	X	-8.028	5
95	MP5C	Z	4.635	5
96	MP5C	Mx	.003	5
97	MP2A	X	-2.716	2
98	MP2A	Z	1.568	2
99	MP2A	Mx	.001	2
100	MP2A	X	-2.716	4
101	MP2A	Z	1.568	4
102	MP2A	Mx	.001	4
103	MP2B	X	-2.312	2
104	MP2B	Z	1.335	2

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	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
105	MP2B	Mx	-.001	2
106	MP2B	X	-2.312	4
107	MP2B	Z	1.335	4
108	MP2B	Mx	-.001	4
109	MP2C	X	-4.453	2
110	MP2C	Z	2.571	2
111	MP2C	Mx	.001	2
112	MP2C	X	-4.453	4
113	MP2C	Z	2.571	4
114	MP2C	Mx	.001	4

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-6.592	1
2	MP3A	Z	0	1
3	MP3A	Mx	.003	1
4	MP3A	X	-6.592	5
5	MP3A	Z	0	5
6	MP3A	Mx	.003	5
7	MP3B	X	-8.575	1
8	MP3B	Z	0	1
9	MP3B	Mx	.000528	1
10	MP3B	X	-8.575	5
11	MP3B	Z	0	5
12	MP3B	Mx	.000528	5
13	MP3C	X	-9.945	1
14	MP3C	Z	0	1
15	MP3C	Mx	-.005	1
16	MP3C	X	-9.945	5
17	MP3C	Z	0	5
18	MP3C	Mx	-.005	5
19	MP3A	X	-6.592	1
20	MP3A	Z	0	1
21	MP3A	Mx	.003	1
22	MP3A	X	-6.592	5
23	MP3A	Z	0	5
24	MP3A	Mx	.003	5
25	MP3B	X	-8.575	1
26	MP3B	Z	0	1
27	MP3B	Mx	-.006	1
28	MP3B	X	-8.575	5
29	MP3B	Z	0	5
30	MP3B	Mx	-.006	5
31	MP3C	X	-9.945	1
32	MP3C	Z	0	1
33	MP3C	Mx	.005	1
34	MP3C	X	-9.945	5
35	MP3C	Z	0	5
36	MP3C	Mx	.005	5
37	MP4A	X	-3.085	3
38	MP4A	Z	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	MP4A	Mx	-.002	3
40	MP4B	X	-3.983	3
41	MP4B	Z	0	3
42	MP4B	Mx	.001	3
43	MP4C	X	-4.604	3
44	MP4C	Z	0	3
45	MP4C	Mx	.000201	3
46	MP3A	X	-2.499	3
47	MP3A	Z	0	3
48	MP3A	Mx	-.001	3
49	MP3B	X	-3.741	3
50	MP3B	Z	0	3
51	MP3B	Mx	.001	3
52	MP3C	X	-4.599	3
53	MP3C	Z	0	3
54	MP3C	Mx	.0002	3
55	M57	X	-5.745	1
56	M57	Z	0	1
57	M57	Mx	0	1
58	M58	X	-5.745	1
59	M58	Z	0	1
60	M58	Mx	0	1
61	MP1A	X	-8.944	1
62	MP1A	Z	0	1
63	MP1A	Mx	.006	1
64	MP1A	X	-8.944	5
65	MP1A	Z	0	5
66	MP1A	Mx	.006	5
67	MP1B	X	-9.177	1
68	MP1B	Z	0	1
69	MP1B	Mx	-.004	1
70	MP1B	X	-9.177	5
71	MP1B	Z	0	5
72	MP1B	Mx	-.004	5
73	MP1C	X	-9.338	1
74	MP1C	Z	0	1
75	MP1C	Mx	-.000543	1
76	MP1C	X	-9.338	5
77	MP1C	Z	0	5
78	MP1C	Mx	-.000543	5
79	MP5A	X	-8.944	1
80	MP5A	Z	0	1
81	MP5A	Mx	.006	1
82	MP5A	X	-8.944	5
83	MP5A	Z	0	5
84	MP5A	Mx	.006	5
85	MP5B	X	-9.177	1
86	MP5B	Z	0	1
87	MP5B	Mx	-.004	1
88	MP5B	X	-9.177	5
89	MP5B	Z	0	5
90	MP5B	Mx	-.004	5

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	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	MP5C	X	-9.338	1
92	MP5C	Z	0	1
93	MP5C	Mx	-.000543	1
94	MP5C	X	-9.338	5
95	MP5C	Z	0	5
96	MP5C	Mx	-.000543	5
97	MP2A	X	-2.259	2
98	MP2A	Z	0	2
99	MP2A	Mx	.001	2
100	MP2A	X	-2.259	4
101	MP2A	Z	0	4
102	MP2A	Mx	.001	4
103	MP2B	X	-4.319	2
104	MP2B	Z	0	2
105	MP2B	Mx	-.001	2
106	MP2B	X	-4.319	4
107	MP2B	Z	0	4
108	MP2B	Mx	-.001	4
109	MP2C	X	-5.742	2
110	MP2C	Z	0	2
111	MP2C	Mx	-.00025	2
112	MP2C	X	-5.742	4
113	MP2C	Z	0	4
114	MP2C	Mx	-.00025	4

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-6.44	1
2	MP3A	Z	-3.718	1
3	MP3A	Mx	.001	1
4	MP3A	X	-6.44	5
5	MP3A	Z	-3.718	5
6	MP3A	Mx	.001	5
7	MP3B	X	-8.547	1
8	MP3B	Z	-4.935	1
9	MP3B	Mx	.004	1
10	MP3B	X	-8.547	5
11	MP3B	Z	-4.935	5
12	MP3B	Mx	.004	5
13	MP3C	X	-7.672	1
14	MP3C	Z	-4.43	1
15	MP3C	Mx	-.006	1
16	MP3C	X	-7.672	5
17	MP3C	Z	-4.43	5
18	MP3C	Mx	-.006	5
19	MP3A	X	-6.44	1
20	MP3A	Z	-3.718	1
21	MP3A	Mx	.005	1
22	MP3A	X	-6.44	5
23	MP3A	Z	-3.718	5
24	MP3A	Mx	.005	5

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	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
25	MP3B	X	-8.547	1
26	MP3B	Z	-4.935	1
27	MP3B	Mx	-.006	1
28	MP3B	X	-8.547	5
29	MP3B	Z	-4.935	5
30	MP3B	Mx	-.006	5
31	MP3C	X	-7.672	1
32	MP3C	Z	-4.43	1
33	MP3C	Mx	.001	1
34	MP3C	X	-7.672	5
35	MP3C	Z	-4.43	5
36	MP3C	Mx	.001	5
37	MP4A	X	-3.003	3
38	MP4A	Z	-1.734	3
39	MP4A	Mx	-.002	3
40	MP4B	X	-3.957	3
41	MP4B	Z	-2.285	3
42	MP4B	Mx	.000397	3
43	MP4C	X	-3.561	3
44	MP4C	Z	-2.056	3
45	MP4C	Mx	.001	3
46	MP3A	X	-2.622	3
47	MP3A	Z	-1.514	3
48	MP3A	Mx	-.001	3
49	MP3B	X	-3.942	3
50	MP3B	Z	-2.276	3
51	MP3B	Mx	.000395	3
52	MP3C	X	-3.394	3
53	MP3C	Z	-1.96	3
54	MP3C	Mx	.001	3
55	M57	X	-7.787	1
56	M57	Z	-4.496	1
57	M57	Mx	0	1
58	M58	X	-7.787	1
59	M58	Z	-4.496	1
60	M58	Mx	0	1
61	MP1A	X	-7.831	1
62	MP1A	Z	-4.521	1
63	MP1A	Mx	.005	1
64	MP1A	X	-7.831	5
65	MP1A	Z	-4.521	5
66	MP1A	Mx	.005	5
67	MP1B	X	-8.079	1
68	MP1B	Z	-4.665	1
69	MP1B	Mx	-.001	1
70	MP1B	X	-8.079	5
71	MP1B	Z	-4.665	5
72	MP1B	Mx	-.001	5
73	MP1C	X	-7.976	1
74	MP1C	Z	-4.605	1
75	MP1C	Mx	-.004	1
76	MP1C	X	-7.976	5

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	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
77	MP1C	Z	-4.605	5
78	MP1C	Mx	-.004	5
79	MP5A	X	-7.831	1
80	MP5A	Z	-4.521	1
81	MP5A	Mx	.005	1
82	MP5A	X	-7.831	5
83	MP5A	Z	-4.521	5
84	MP5A	Mx	.005	5
85	MP5B	X	-8.079	1
86	MP5B	Z	-4.665	1
87	MP5B	Mx	-.001	1
88	MP5B	X	-8.079	5
89	MP5B	Z	-4.665	5
90	MP5B	Mx	-.001	5
91	MP5C	X	-7.976	1
92	MP5C	Z	-4.605	1
93	MP5C	Mx	-.004	1
94	MP5C	X	-7.976	5
95	MP5C	Z	-4.605	5
96	MP5C	Mx	-.004	5
97	MP2A	X	-2.716	2
98	MP2A	Z	-1.568	2
99	MP2A	Mx	.001	2
100	MP2A	X	-2.716	4
101	MP2A	Z	-1.568	4
102	MP2A	Mx	.001	4
103	MP2B	X	-4.905	2
104	MP2B	Z	-2.832	2
105	MP2B	Mx	-.000492	2
106	MP2B	X	-4.905	4
107	MP2B	Z	-2.832	4
108	MP2B	Mx	-.000492	4
109	MP2C	X	-3.996	2
110	MP2C	Z	-2.307	2
111	MP2C	Mx	-.001	2
112	MP2C	X	-3.996	4
113	MP2C	Z	-2.307	4
114	MP2C	Mx	-.001	4

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-4.563	1
2	MP3A	Z	-7.904	1
3	MP3A	Mx	-.002	1
4	MP3A	X	-4.563	5
5	MP3A	Z	-7.904	5
6	MP3A	Mx	-.002	5
7	MP3B	X	-4.788	1
8	MP3B	Z	-8.293	1
9	MP3B	Mx	.006	1
10	MP3B	X	-4.788	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP3B	Z	-8.293	5
12	MP3B	Mx	.006	5
13	MP3C	X	-3.598	1
14	MP3C	Z	-6.231	1
15	MP3C	Mx	-.005	1
16	MP3C	X	-3.598	5
17	MP3C	Z	-6.231	5
18	MP3C	Mx	-.005	5
19	MP3A	X	-4.563	1
20	MP3A	Z	-7.904	1
21	MP3A	Mx	.006	1
22	MP3A	X	-4.563	5
23	MP3A	Z	-7.904	5
24	MP3A	Mx	.006	5
25	MP3B	X	-4.788	1
26	MP3B	Z	-8.293	1
27	MP3B	Mx	-.003	1
28	MP3B	X	-4.788	5
29	MP3B	Z	-8.293	5
30	MP3B	Mx	-.003	5
31	MP3C	X	-3.598	1
32	MP3C	Z	-6.231	1
33	MP3C	Mx	-.002	1
34	MP3C	X	-3.598	5
35	MP3C	Z	-6.231	5
36	MP3C	Mx	-.002	5
37	MP4A	X	-2.116	3
38	MP4A	Z	-3.666	3
39	MP4A	Mx	-.001	3
40	MP4B	X	-2.218	3
41	MP4B	Z	-3.842	3
42	MP4B	Mx	-.000759	3
43	MP4C	X	-1.679	3
44	MP4C	Z	-2.908	3
45	MP4C	Mx	.002	3
46	MP3A	X	-2.043	3
47	MP3A	Z	-3.539	3
48	MP3A	Mx	-.001	3
49	MP3B	X	-2.184	3
50	MP3B	Z	-3.783	3
51	MP3B	Mx	-.000747	3
52	MP3C	X	-1.438	3
53	MP3C	Z	-2.491	3
54	MP3C	Mx	.001	3
55	M57	X	-5.819	1
56	M57	Z	-10.079	1
57	M57	Mx	0	1
58	M58	X	-5.819	1
59	M58	Z	-10.079	1
60	M58	Mx	0	1
61	MP1A	X	-4.621	1
62	MP1A	Z	-8.004	1

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Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M42	Y	-500	%53

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M42	Y	-500	%95

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M42	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M42	Y	-250	%50

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	Y	-9.219	-9.219	0	%100
2	M40	Y	-9.219	-9.219	0	%100
3	M41	Y	-9.219	-9.219	0	%100
4	M42	Y	-9.219	-9.219	0	%100
5	M41A	Y	-9.219	-9.219	0	%100
6	M42A	Y	-9.219	-9.219	0	%100
7	M43	Y	-5.368	-5.368	0	%100
8	M44	Y	-5.368	-5.368	0	%100
9	M45	Y	-5.368	-5.368	0	%100
10	M46	Y	-5.368	-5.368	0	%100
11	M47	Y	-5.368	-5.368	0	%100
12	M48	Y	-5.368	-5.368	0	%100
13	M49	Y	-5.368	-5.368	0	%100
14	M50	Y	-5.368	-5.368	0	%100
15	M51	Y	-5.368	-5.368	0	%100
16	M52	Y	-5.368	-5.368	0	%100
17	M53	Y	-5.368	-5.368	0	%100
18	M54	Y	-5.368	-5.368	0	%100
19	M57	Y	-4.751	-4.751	0	%100
20	M58	Y	-4.751	-4.751	0	%100
21	MP5A	Y	-4.751	-4.751	0	%100
22	MP4A	Y	-4.751	-4.751	0	%100
23	MP3A	Y	-5.432	-5.432	0	%100
24	MP2A	Y	-4.751	-4.751	0	%100
25	MP1A	Y	-4.751	-4.751	0	%100
26	MP5C	Y	-4.751	-4.751	0	%100
27	MP4C	Y	-4.751	-4.751	0	%100
28	MP3C	Y	-5.432	-5.432	0	%100
29	MP2C	Y	-4.751	-4.751	0	%100
30	MP1C	Y	-4.751	-4.751	0	%100
31	MP5B	Y	-4.751	-4.751	0	%100
32	MP4B	Y	-4.751	-4.751	0	%100
33	MP3B	Y	-5.432	-5.432	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	MP2B	Y	-4.751	-4.751	0	%100
35	MP1B	Y	-4.751	-4.751	0	%100
36	M94	Y	-5.432	-5.432	0	%100
37	M100	Y	-5.432	-5.432	0	%100
38	M106	Y	-5.432	-5.432	0	%100
39	M107	Y	-7.294	-7.294	0	%100
40	M108	Y	-7.294	-7.294	0	%100
41	M109	Y	-7.294	-7.294	0	%100
42	M110	Y	-10.708	-10.708	0	%100
43	M111	Y	-10.708	-10.708	0	%100
44	M112	Y	-10.708	-10.708	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M40	X	0	0	0	%100
4	M40	Z	-4.092	-4.092	0	%100
5	M41	X	0	0	0	%100
6	M41	Z	-4.092	-4.092	0	%100
7	M42	X	0	0	0	%100
8	M42	Z	-16.366	-16.366	0	%100
9	M41A	X	0	0	0	%100
10	M41A	Z	-12.974	-12.974	0	%100
11	M42A	X	0	0	0	%100
12	M42A	Z	-12.974	-12.974	0	%100
13	M43	X	0	0	0	%100
14	M43	Z	0	0	0	%100
15	M44	X	0	0	0	%100
16	M44	Z	0	0	0	%100
17	M45	X	0	0	0	%100
18	M45	Z	0	0	0	%100
19	M46	X	0	0	0	%100
20	M46	Z	0	0	0	%100
21	M47	X	0	0	0	%100
22	M47	Z	-6.492	-6.492	0	%100
23	M48	X	0	0	0	%100
24	M48	Z	-6.492	-6.492	0	%100
25	M49	X	0	0	0	%100
26	M49	Z	-6.492	-6.492	0	%100
27	M50	X	0	0	0	%100
28	M50	Z	-6.492	-6.492	0	%100
29	M51	X	0	0	0	%100
30	M51	Z	-6.492	-6.492	0	%100
31	M52	X	0	0	0	%100
32	M52	Z	-6.492	-6.492	0	%100
33	M53	X	0	0	0	%100
34	M53	Z	-6.492	-6.492	0	%100
35	M54	X	0	0	0	%100
36	M54	Z	-6.492	-6.492	0	%100
37	M57	X	0	0	0	%100

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	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
38	M57	Z	-8.065	-8.065	0	%100
39	M58	X	0	0	0	%100
40	M58	Z	-8.065	-8.065	0	%100
41	MP5A	X	0	0	0	%100
42	MP5A	Z	-9.329	-9.329	0	%100
43	MP4A	X	0	0	0	%100
44	MP4A	Z	-9.329	-9.329	0	%100
45	MP3A	X	0	0	0	%100
46	MP3A	Z	-11.293	-11.293	0	%100
47	MP2A	X	0	0	0	%100
48	MP2A	Z	-9.329	-9.329	0	%100
49	MP1A	X	0	0	0	%100
50	MP1A	Z	-9.329	-9.329	0	%100
51	MP5C	X	0	0	0	%100
52	MP5C	Z	-9.329	-9.329	0	%100
53	MP4C	X	0	0	0	%100
54	MP4C	Z	-9.329	-9.329	0	%100
55	MP3C	X	0	0	0	%100
56	MP3C	Z	-11.293	-11.293	0	%100
57	MP2C	X	0	0	0	%100
58	MP2C	Z	-9.329	-9.329	0	%100
59	MP1C	X	0	0	0	%100
60	MP1C	Z	-9.329	-9.329	0	%100
61	MP5B	X	0	0	0	%100
62	MP5B	Z	-9.329	-9.329	0	%100
63	MP4B	X	0	0	0	%100
64	MP4B	Z	-9.329	-9.329	0	%100
65	MP3B	X	0	0	0	%100
66	MP3B	Z	-11.293	-11.293	0	%100
67	MP2B	X	0	0	0	%100
68	MP2B	Z	-9.329	-9.329	0	%100
69	MP1B	X	0	0	0	%100
70	MP1B	Z	-9.329	-9.329	0	%100
71	M94	X	0	0	0	%100
72	M94	Z	-11.293	-11.293	0	%100
73	M100	X	0	0	0	%100
74	M100	Z	-2.823	-2.823	0	%100
75	M106	X	0	0	0	%100
76	M106	Z	-2.823	-2.823	0	%100
77	M107	X	0	0	0	%100
78	M107	Z	-3.667	-3.667	0	%100
79	M108	X	0	0	0	%100
80	M108	Z	-3.667	-3.667	0	%100
81	M109	X	0	0	0	%100
82	M109	Z	-14.668	-14.668	0	%100
83	M110	X	0	0	0	%100
84	M110	Z	-4.528	-4.528	0	%100
85	M111	X	0	0	0	%100
86	M111	Z	-15.012	-15.012	0	%100
87	M112	X	0	0	0	%100
88	M112	Z	-15.012	-15.012	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	MP4C	X	4.664	4.664	0	%100
54	MP4C	Z	-8.079	-8.079	0	%100
55	MP3C	X	5.646	5.646	0	%100
56	MP3C	Z	-9.78	-9.78	0	%100
57	MP2C	X	4.664	4.664	0	%100
58	MP2C	Z	-8.079	-8.079	0	%100
59	MP1C	X	4.664	4.664	0	%100
60	MP1C	Z	-8.079	-8.079	0	%100
61	MP5B	X	4.664	4.664	0	%100
62	MP5B	Z	-8.079	-8.079	0	%100
63	MP4B	X	4.664	4.664	0	%100
64	MP4B	Z	-8.079	-8.079	0	%100
65	MP3B	X	5.646	5.646	0	%100
66	MP3B	Z	-9.78	-9.78	0	%100
67	MP2B	X	4.664	4.664	0	%100
68	MP2B	Z	-8.079	-8.079	0	%100
69	MP1B	X	4.664	4.664	0	%100
70	MP1B	Z	-8.079	-8.079	0	%100
71	M94	X	4.235	4.235	0	%100
72	M94	Z	-7.335	-7.335	0	%100
73	M100	X	4.235	4.235	0	%100
74	M100	Z	-7.335	-7.335	0	%100
75	M106	X	0	0	0	%100
76	M106	Z	0	0	0	%100
77	M107	X	5.5	5.5	0	%100
78	M107	Z	-9.527	-9.527	0	%100
79	M108	X	0	0	0	%100
80	M108	Z	0	0	0	%100
81	M109	X	5.5	5.5	0	%100
82	M109	Z	-9.527	-9.527	0	%100
83	M110	X	4.011	4.011	0	%100
84	M110	Z	-6.948	-6.948	0	%100
85	M111	X	4.011	4.011	0	%100
86	M111	Z	-6.948	-6.948	0	%100
87	M112	X	9.254	9.254	0	%100
88	M112	Z	-16.028	-16.028	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	11.236	11.236	0	%100
2	M4	Z	-6.487	-6.487	0	%100
3	M40	X	3.543	3.543	0	%100
4	M40	Z	-2.046	-2.046	0	%100
5	M41	X	14.174	14.174	0	%100
6	M41	Z	-8.183	-8.183	0	%100
7	M42	X	3.543	3.543	0	%100
8	M42	Z	-2.046	-2.046	0	%100
9	M41A	X	0	0	0	%100
10	M41A	Z	0	0	0	%100
11	M42A	X	11.236	11.236	0	%100
12	M42A	Z	-6.487	-6.487	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
13	M43	X	5.622	5.622	0	%100
14	M43	Z	-3.246	-3.246	0	%100
15	M44	X	5.622	5.622	0	%100
16	M44	Z	-3.246	-3.246	0	%100
17	M45	X	5.622	5.622	0	%100
18	M45	Z	-3.246	-3.246	0	%100
19	M46	X	5.622	5.622	0	%100
20	M46	Z	-3.246	-3.246	0	%100
21	M47	X	0	0	0	%100
22	M47	Z	0	0	0	%100
23	M48	X	0	0	0	%100
24	M48	Z	0	0	0	%100
25	M49	X	0	0	0	%100
26	M49	Z	0	0	0	%100
27	M50	X	0	0	0	%100
28	M50	Z	0	0	0	%100
29	M51	X	5.622	5.622	0	%100
30	M51	Z	-3.246	-3.246	0	%100
31	M52	X	5.622	5.622	0	%100
32	M52	Z	-3.246	-3.246	0	%100
33	M53	X	5.622	5.622	0	%100
34	M53	Z	-3.246	-3.246	0	%100
35	M54	X	5.622	5.622	0	%100
36	M54	Z	-3.246	-3.246	0	%100
37	M57	X	6.984	6.984	0	%100
38	M57	Z	-4.032	-4.032	0	%100
39	M58	X	6.984	6.984	0	%100
40	M58	Z	-4.032	-4.032	0	%100
41	MP5A	X	8.079	8.079	0	%100
42	MP5A	Z	-4.664	-4.664	0	%100
43	MP4A	X	8.079	8.079	0	%100
44	MP4A	Z	-4.664	-4.664	0	%100
45	MP3A	X	9.78	9.78	0	%100
46	MP3A	Z	-5.646	-5.646	0	%100
47	MP2A	X	8.079	8.079	0	%100
48	MP2A	Z	-4.664	-4.664	0	%100
49	MP1A	X	8.079	8.079	0	%100
50	MP1A	Z	-4.664	-4.664	0	%100
51	MP5C	X	8.079	8.079	0	%100
52	MP5C	Z	-4.664	-4.664	0	%100
53	MP4C	X	8.079	8.079	0	%100
54	MP4C	Z	-4.664	-4.664	0	%100
55	MP3C	X	9.78	9.78	0	%100
56	MP3C	Z	-5.646	-5.646	0	%100
57	MP2C	X	8.079	8.079	0	%100
58	MP2C	Z	-4.664	-4.664	0	%100
59	MP1C	X	8.079	8.079	0	%100
60	MP1C	Z	-4.664	-4.664	0	%100
61	MP5B	X	8.079	8.079	0	%100
62	MP5B	Z	-4.664	-4.664	0	%100
63	MP4B	X	8.079	8.079	0	%100
64	MP4B	Z	-4.664	-4.664	0	%100

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	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
65	MP3B	X	9.78	9.78	0	%100
66	MP3B	Z	-5.646	-5.646	0	%100
67	MP2B	X	8.079	8.079	0	%100
68	MP2B	Z	-4.664	-4.664	0	%100
69	MP1B	X	8.079	8.079	0	%100
70	MP1B	Z	-4.664	-4.664	0	%100
71	M94	X	2.445	2.445	0	%100
72	M94	Z	-1.412	-1.412	0	%100
73	M100	X	9.78	9.78	0	%100
74	M100	Z	-5.646	-5.646	0	%100
75	M106	X	2.445	2.445	0	%100
76	M106	Z	-1.412	-1.412	0	%100
77	M107	X	12.703	12.703	0	%100
78	M107	Z	-7.334	-7.334	0	%100
79	M108	X	3.176	3.176	0	%100
80	M108	Z	-1.833	-1.833	0	%100
81	M109	X	3.176	3.176	0	%100
82	M109	Z	-1.833	-1.833	0	%100
83	M110	X	13.001	13.001	0	%100
84	M110	Z	-7.506	-7.506	0	%100
85	M111	X	3.921	3.921	0	%100
86	M111	Z	-2.264	-2.264	0	%100
87	M112	X	13.001	13.001	0	%100
88	M112	Z	-7.506	-7.506	0	%100

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%)	End Location[ft,%)
1	M4	X	17.299	17.299	0	%100
2	M4	Z	0	0	0	%100
3	M40	X	12.275	12.275	0	%100
4	M40	Z	0	0	0	%100
5	M41	X	12.275	12.275	0	%100
6	M41	Z	0	0	0	%100
7	M42	X	0	0	0	%100
8	M42	Z	0	0	0	%100
9	M41A	X	4.325	4.325	0	%100
10	M41A	Z	0	0	0	%100
11	M42A	X	4.325	4.325	0	%100
12	M42A	Z	0	0	0	%100
13	M43	X	8.656	8.656	0	%100
14	M43	Z	0	0	0	%100
15	M44	X	8.656	8.656	0	%100
16	M44	Z	0	0	0	%100
17	M45	X	8.656	8.656	0	%100
18	M45	Z	0	0	0	%100
19	M46	X	8.656	8.656	0	%100
20	M46	Z	0	0	0	%100
21	M47	X	2.164	2.164	0	%100
22	M47	Z	0	0	0	%100
23	M48	X	2.164	2.164	0	%100
24	M48	Z	0	0	0	%100

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	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
25	M49	X	2.164	2.164	0	%100
26	M49	Z	0	0	0	%100
27	M50	X	2.164	2.164	0	%100
28	M50	Z	0	0	0	%100
29	M51	X	2.164	2.164	0	%100
30	M51	Z	0	0	0	%100
31	M52	X	2.164	2.164	0	%100
32	M52	Z	0	0	0	%100
33	M53	X	2.164	2.164	0	%100
34	M53	Z	0	0	0	%100
35	M54	X	2.164	2.164	0	%100
36	M54	Z	0	0	0	%100
37	M57	X	8.065	8.065	0	%100
38	M57	Z	0	0	0	%100
39	M58	X	8.065	8.065	0	%100
40	M58	Z	0	0	0	%100
41	MP5A	X	9.329	9.329	0	%100
42	MP5A	Z	0	0	0	%100
43	MP4A	X	9.329	9.329	0	%100
44	MP4A	Z	0	0	0	%100
45	MP3A	X	11.293	11.293	0	%100
46	MP3A	Z	0	0	0	%100
47	MP2A	X	9.329	9.329	0	%100
48	MP2A	Z	0	0	0	%100
49	MP1A	X	9.329	9.329	0	%100
50	MP1A	Z	0	0	0	%100
51	MP5C	X	9.329	9.329	0	%100
52	MP5C	Z	0	0	0	%100
53	MP4C	X	9.329	9.329	0	%100
54	MP4C	Z	0	0	0	%100
55	MP3C	X	11.293	11.293	0	%100
56	MP3C	Z	0	0	0	%100
57	MP2C	X	9.329	9.329	0	%100
58	MP2C	Z	0	0	0	%100
59	MP1C	X	9.329	9.329	0	%100
60	MP1C	Z	0	0	0	%100
61	MP5B	X	9.329	9.329	0	%100
62	MP5B	Z	0	0	0	%100
63	MP4B	X	9.329	9.329	0	%100
64	MP4B	Z	0	0	0	%100
65	MP3B	X	11.293	11.293	0	%100
66	MP3B	Z	0	0	0	%100
67	MP2B	X	9.329	9.329	0	%100
68	MP2B	Z	0	0	0	%100
69	MP1B	X	9.329	9.329	0	%100
70	MP1B	Z	0	0	0	%100
71	M94	X	0	0	0	%100
72	M94	Z	0	0	0	%100
73	M100	X	8.47	8.47	0	%100
74	M100	Z	0	0	0	%100
75	M106	X	8.47	8.47	0	%100
76	M106	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
77	M107	X	11.001	11.001	0	%100
78	M107	Z	0	0	0	%100
79	M108	X	11.001	11.001	0	%100
80	M108	Z	0	0	0	%100
81	M109	X	0	0	0	%100
82	M109	Z	0	0	0	%100
83	M110	X	18.507	18.507	0	%100
84	M110	Z	0	0	0	%100
85	M111	X	8.023	8.023	0	%100
86	M111	Z	0	0	0	%100
87	M112	X	8.023	8.023	0	%100
88	M112	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	11.236	11.236	0	%100
2	M4	Z	6.487	6.487	0	%100
3	M40	X	14.174	14.174	0	%100
4	M40	Z	8.183	8.183	0	%100
5	M41	X	3.543	3.543	0	%100
6	M41	Z	2.046	2.046	0	%100
7	M42	X	3.543	3.543	0	%100
8	M42	Z	2.046	2.046	0	%100
9	M41A	X	11.236	11.236	0	%100
10	M41A	Z	6.487	6.487	0	%100
11	M42A	X	0	0	0	%100
12	M42A	Z	0	0	0	%100
13	M43	X	5.622	5.622	0	%100
14	M43	Z	3.246	3.246	0	%100
15	M44	X	5.622	5.622	0	%100
16	M44	Z	3.246	3.246	0	%100
17	M45	X	5.622	5.622	0	%100
18	M45	Z	3.246	3.246	0	%100
19	M46	X	5.622	5.622	0	%100
20	M46	Z	3.246	3.246	0	%100
21	M47	X	5.622	5.622	0	%100
22	M47	Z	3.246	3.246	0	%100
23	M48	X	5.622	5.622	0	%100
24	M48	Z	3.246	3.246	0	%100
25	M49	X	5.622	5.622	0	%100
26	M49	Z	3.246	3.246	0	%100
27	M50	X	5.622	5.622	0	%100
28	M50	Z	3.246	3.246	0	%100
29	M51	X	0	0	0	%100
30	M51	Z	0	0	0	%100
31	M52	X	0	0	0	%100
32	M52	Z	0	0	0	%100
33	M53	X	0	0	0	%100
34	M53	Z	0	0	0	%100
35	M54	X	0	0	0	%100
36	M54	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	M57	X	6.984	6.984	0	%100
38	M57	Z	4.032	4.032	0	%100
39	M58	X	6.984	6.984	0	%100
40	M58	Z	4.032	4.032	0	%100
41	MP5A	X	8.079	8.079	0	%100
42	MP5A	Z	4.664	4.664	0	%100
43	MP4A	X	8.079	8.079	0	%100
44	MP4A	Z	4.664	4.664	0	%100
45	MP3A	X	9.78	9.78	0	%100
46	MP3A	Z	5.646	5.646	0	%100
47	MP2A	X	8.079	8.079	0	%100
48	MP2A	Z	4.664	4.664	0	%100
49	MP1A	X	8.079	8.079	0	%100
50	MP1A	Z	4.664	4.664	0	%100
51	MP5C	X	8.079	8.079	0	%100
52	MP5C	Z	4.664	4.664	0	%100
53	MP4C	X	8.079	8.079	0	%100
54	MP4C	Z	4.664	4.664	0	%100
55	MP3C	X	9.78	9.78	0	%100
56	MP3C	Z	5.646	5.646	0	%100
57	MP2C	X	8.079	8.079	0	%100
58	MP2C	Z	4.664	4.664	0	%100
59	MP1C	X	8.079	8.079	0	%100
60	MP1C	Z	4.664	4.664	0	%100
61	MP5B	X	8.079	8.079	0	%100
62	MP5B	Z	4.664	4.664	0	%100
63	MP4B	X	8.079	8.079	0	%100
64	MP4B	Z	4.664	4.664	0	%100
65	MP3B	X	9.78	9.78	0	%100
66	MP3B	Z	5.646	5.646	0	%100
67	MP2B	X	8.079	8.079	0	%100
68	MP2B	Z	4.664	4.664	0	%100
69	MP1B	X	8.079	8.079	0	%100
70	MP1B	Z	4.664	4.664	0	%100
71	M94	X	2.445	2.445	0	%100
72	M94	Z	1.412	1.412	0	%100
73	M100	X	2.445	2.445	0	%100
74	M100	Z	1.412	1.412	0	%100
75	M106	X	9.78	9.78	0	%100
76	M106	Z	5.646	5.646	0	%100
77	M107	X	3.176	3.176	0	%100
78	M107	Z	1.833	1.833	0	%100
79	M108	X	12.703	12.703	0	%100
80	M108	Z	7.334	7.334	0	%100
81	M109	X	3.176	3.176	0	%100
82	M109	Z	1.833	1.833	0	%100
83	M110	X	13.001	13.001	0	%100
84	M110	Z	7.506	7.506	0	%100
85	M111	X	13.001	13.001	0	%100
86	M111	Z	7.506	7.506	0	%100
87	M112	X	3.921	3.921	0	%100
88	M112	Z	2.264	2.264	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	2.162	2.162	0	%100
2	M4	Z	3.745	3.745	0	%100
3	M40	X	6.137	6.137	0	%100
4	M40	Z	10.63	10.63	0	%100
5	M41	X	0	0	0	%100
6	M41	Z	0	0	0	%100
7	M42	X	6.137	6.137	0	%100
8	M42	Z	10.63	10.63	0	%100
9	M41A	X	8.65	8.65	0	%100
10	M41A	Z	14.982	14.982	0	%100
11	M42A	X	2.162	2.162	0	%100
12	M42A	Z	3.745	3.745	0	%100
13	M43	X	1.082	1.082	0	%100
14	M43	Z	1.874	1.874	0	%100
15	M44	X	1.082	1.082	0	%100
16	M44	Z	1.874	1.874	0	%100
17	M45	X	1.082	1.082	0	%100
18	M45	Z	1.874	1.874	0	%100
19	M46	X	1.082	1.082	0	%100
20	M46	Z	1.874	1.874	0	%100
21	M47	X	4.328	4.328	0	%100
22	M47	Z	7.496	7.496	0	%100
23	M48	X	4.328	4.328	0	%100
24	M48	Z	7.496	7.496	0	%100
25	M49	X	4.328	4.328	0	%100
26	M49	Z	7.496	7.496	0	%100
27	M50	X	4.328	4.328	0	%100
28	M50	Z	7.496	7.496	0	%100
29	M51	X	1.082	1.082	0	%100
30	M51	Z	1.874	1.874	0	%100
31	M52	X	1.082	1.082	0	%100
32	M52	Z	1.874	1.874	0	%100
33	M53	X	1.082	1.082	0	%100
34	M53	Z	1.874	1.874	0	%100
35	M54	X	1.082	1.082	0	%100
36	M54	Z	1.874	1.874	0	%100
37	M57	X	4.032	4.032	0	%100
38	M57	Z	6.984	6.984	0	%100
39	M58	X	4.032	4.032	0	%100
40	M58	Z	6.984	6.984	0	%100
41	MP5A	X	4.664	4.664	0	%100
42	MP5A	Z	8.079	8.079	0	%100
43	MP4A	X	4.664	4.664	0	%100
44	MP4A	Z	8.079	8.079	0	%100
45	MP3A	X	5.646	5.646	0	%100
46	MP3A	Z	9.78	9.78	0	%100
47	MP2A	X	4.664	4.664	0	%100
48	MP2A	Z	8.079	8.079	0	%100
49	MP1A	X	4.664	4.664	0	%100
50	MP1A	Z	8.079	8.079	0	%100
51	MP5C	X	4.664	4.664	0	%100
52	MP5C	Z	8.079	8.079	0	%100

Company :
 Designer :
 Job Number :
 Model Name :

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	MP4C	X	4.664	4.664	0	%100
54	MP4C	Z	8.079	8.079	0	%100
55	MP3C	X	5.646	5.646	0	%100
56	MP3C	Z	9.78	9.78	0	%100
57	MP2C	X	4.664	4.664	0	%100
58	MP2C	Z	8.079	8.079	0	%100
59	MP1C	X	4.664	4.664	0	%100
60	MP1C	Z	8.079	8.079	0	%100
61	MP5B	X	4.664	4.664	0	%100
62	MP5B	Z	8.079	8.079	0	%100
63	MP4B	X	4.664	4.664	0	%100
64	MP4B	Z	8.079	8.079	0	%100
65	MP3B	X	5.646	5.646	0	%100
66	MP3B	Z	9.78	9.78	0	%100
67	MP2B	X	4.664	4.664	0	%100
68	MP2B	Z	8.079	8.079	0	%100
69	MP1B	X	4.664	4.664	0	%100
70	MP1B	Z	8.079	8.079	0	%100
71	M94	X	4.235	4.235	0	%100
72	M94	Z	7.335	7.335	0	%100
73	M100	X	0	0	0	%100
74	M100	Z	0	0	0	%100
75	M106	X	4.235	4.235	0	%100
76	M106	Z	7.335	7.335	0	%100
77	M107	X	0	0	0	%100
78	M107	Z	0	0	0	%100
79	M108	X	5.5	5.5	0	%100
80	M108	Z	9.527	9.527	0	%100
81	M109	X	5.5	5.5	0	%100
82	M109	Z	9.527	9.527	0	%100
83	M110	X	4.011	4.011	0	%100
84	M110	Z	6.948	6.948	0	%100
85	M111	X	9.254	9.254	0	%100
86	M111	Z	16.028	16.028	0	%100
87	M112	X	4.011	4.011	0	%100
88	M112	Z	6.948	6.948	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M40	X	0	0	0	%100
4	M40	Z	4.092	4.092	0	%100
5	M41	X	0	0	0	%100
6	M41	Z	4.092	4.092	0	%100
7	M42	X	0	0	0	%100
8	M42	Z	16.366	16.366	0	%100
9	M41A	X	0	0	0	%100
10	M41A	Z	12.974	12.974	0	%100
11	M42A	X	0	0	0	%100
12	M42A	Z	12.974	12.974	0	%100

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	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
13	M43	X	0	0	0	%100
14	M43	Z	0	0	0	%100
15	M44	X	0	0	0	%100
16	M44	Z	0	0	0	%100
17	M45	X	0	0	0	%100
18	M45	Z	0	0	0	%100
19	M46	X	0	0	0	%100
20	M46	Z	0	0	0	%100
21	M47	X	0	0	0	%100
22	M47	Z	6.492	6.492	0	%100
23	M48	X	0	0	0	%100
24	M48	Z	6.492	6.492	0	%100
25	M49	X	0	0	0	%100
26	M49	Z	6.492	6.492	0	%100
27	M50	X	0	0	0	%100
28	M50	Z	6.492	6.492	0	%100
29	M51	X	0	0	0	%100
30	M51	Z	6.492	6.492	0	%100
31	M52	X	0	0	0	%100
32	M52	Z	6.492	6.492	0	%100
33	M53	X	0	0	0	%100
34	M53	Z	6.492	6.492	0	%100
35	M54	X	0	0	0	%100
36	M54	Z	6.492	6.492	0	%100
37	M57	X	0	0	0	%100
38	M57	Z	8.065	8.065	0	%100
39	M58	X	0	0	0	%100
40	M58	Z	8.065	8.065	0	%100
41	MP5A	X	0	0	0	%100
42	MP5A	Z	9.329	9.329	0	%100
43	MP4A	X	0	0	0	%100
44	MP4A	Z	9.329	9.329	0	%100
45	MP3A	X	0	0	0	%100
46	MP3A	Z	11.293	11.293	0	%100
47	MP2A	X	0	0	0	%100
48	MP2A	Z	9.329	9.329	0	%100
49	MP1A	X	0	0	0	%100
50	MP1A	Z	9.329	9.329	0	%100
51	MP5C	X	0	0	0	%100
52	MP5C	Z	9.329	9.329	0	%100
53	MP4C	X	0	0	0	%100
54	MP4C	Z	9.329	9.329	0	%100
55	MP3C	X	0	0	0	%100
56	MP3C	Z	11.293	11.293	0	%100
57	MP2C	X	0	0	0	%100
58	MP2C	Z	9.329	9.329	0	%100
59	MP1C	X	0	0	0	%100
60	MP1C	Z	9.329	9.329	0	%100
61	MP5B	X	0	0	0	%100
62	MP5B	Z	9.329	9.329	0	%100
63	MP4B	X	0	0	0	%100
64	MP4B	Z	9.329	9.329	0	%100

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	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
65	MP3B	X	0	0	0	%100
66	MP3B	Z	11.293	11.293	0	%100
67	MP2B	X	0	0	0	%100
68	MP2B	Z	9.329	9.329	0	%100
69	MP1B	X	0	0	0	%100
70	MP1B	Z	9.329	9.329	0	%100
71	M94	X	0	0	0	%100
72	M94	Z	11.293	11.293	0	%100
73	M100	X	0	0	0	%100
74	M100	Z	2.823	2.823	0	%100
75	M106	X	0	0	0	%100
76	M106	Z	2.823	2.823	0	%100
77	M107	X	0	0	0	%100
78	M107	Z	3.667	3.667	0	%100
79	M108	X	0	0	0	%100
80	M108	Z	3.667	3.667	0	%100
81	M109	X	0	0	0	%100
82	M109	Z	14.668	14.668	0	%100
83	M110	X	0	0	0	%100
84	M110	Z	4.528	4.528	0	%100
85	M111	X	0	0	0	%100
86	M111	Z	15.012	15.012	0	%100
87	M112	X	0	0	0	%100
88	M112	Z	15.012	15.012	0	%100

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-2.162	-2.162	0	%100
2	M4	Z	3.745	3.745	0	%100
3	M40	X	0	0	0	%100
4	M40	Z	0	0	0	%100
5	M41	X	-6.137	-6.137	0	%100
6	M41	Z	10.63	10.63	0	%100
7	M42	X	-6.137	-6.137	0	%100
8	M42	Z	10.63	10.63	0	%100
9	M41A	X	-2.162	-2.162	0	%100
10	M41A	Z	3.745	3.745	0	%100
11	M42A	X	-8.65	-8.65	0	%100
12	M42A	Z	14.982	14.982	0	%100
13	M43	X	-1.082	-1.082	0	%100
14	M43	Z	1.874	1.874	0	%100
15	M44	X	-1.082	-1.082	0	%100
16	M44	Z	1.874	1.874	0	%100
17	M45	X	-1.082	-1.082	0	%100
18	M45	Z	1.874	1.874	0	%100
19	M46	X	-1.082	-1.082	0	%100
20	M46	Z	1.874	1.874	0	%100
21	M47	X	-1.082	-1.082	0	%100
22	M47	Z	1.874	1.874	0	%100
23	M48	X	-1.082	-1.082	0	%100
24	M48	Z	1.874	1.874	0	%100

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	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
25	M49	X	-1.082	-1.082	0	%100
26	M49	Z	1.874	1.874	0	%100
27	M50	X	-1.082	-1.082	0	%100
28	M50	Z	1.874	1.874	0	%100
29	M51	X	-4.328	-4.328	0	%100
30	M51	Z	7.496	7.496	0	%100
31	M52	X	-4.328	-4.328	0	%100
32	M52	Z	7.496	7.496	0	%100
33	M53	X	-4.328	-4.328	0	%100
34	M53	Z	7.496	7.496	0	%100
35	M54	X	-4.328	-4.328	0	%100
36	M54	Z	7.496	7.496	0	%100
37	M57	X	-4.032	-4.032	0	%100
38	M57	Z	6.984	6.984	0	%100
39	M58	X	-4.032	-4.032	0	%100
40	M58	Z	6.984	6.984	0	%100
41	MP5A	X	-4.664	-4.664	0	%100
42	MP5A	Z	8.079	8.079	0	%100
43	MP4A	X	-4.664	-4.664	0	%100
44	MP4A	Z	8.079	8.079	0	%100
45	MP3A	X	-5.646	-5.646	0	%100
46	MP3A	Z	9.78	9.78	0	%100
47	MP2A	X	-4.664	-4.664	0	%100
48	MP2A	Z	8.079	8.079	0	%100
49	MP1A	X	-4.664	-4.664	0	%100
50	MP1A	Z	8.079	8.079	0	%100
51	MP5C	X	-4.664	-4.664	0	%100
52	MP5C	Z	8.079	8.079	0	%100
53	MP4C	X	-4.664	-4.664	0	%100
54	MP4C	Z	8.079	8.079	0	%100
55	MP3C	X	-5.646	-5.646	0	%100
56	MP3C	Z	9.78	9.78	0	%100
57	MP2C	X	-4.664	-4.664	0	%100
58	MP2C	Z	8.079	8.079	0	%100
59	MP1C	X	-4.664	-4.664	0	%100
60	MP1C	Z	8.079	8.079	0	%100
61	MP5B	X	-4.664	-4.664	0	%100
62	MP5B	Z	8.079	8.079	0	%100
63	MP4B	X	-4.664	-4.664	0	%100
64	MP4B	Z	8.079	8.079	0	%100
65	MP3B	X	-5.646	-5.646	0	%100
66	MP3B	Z	9.78	9.78	0	%100
67	MP2B	X	-4.664	-4.664	0	%100
68	MP2B	Z	8.079	8.079	0	%100
69	MP1B	X	-4.664	-4.664	0	%100
70	MP1B	Z	8.079	8.079	0	%100
71	M94	X	-4.235	-4.235	0	%100
72	M94	Z	7.335	7.335	0	%100
73	M100	X	-4.235	-4.235	0	%100
74	M100	Z	7.335	7.335	0	%100
75	M106	X	0	0	0	%100
76	M106	Z	0	0	0	%100

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	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
77	M107	X	-5.5	-5.5	0	%100
78	M107	Z	9.527	9.527	0	%100
79	M108	X	0	0	0	%100
80	M108	Z	0	0	0	%100
81	M109	X	-5.5	-5.5	0	%100
82	M109	Z	9.527	9.527	0	%100
83	M110	X	-4.011	-4.011	0	%100
84	M110	Z	6.948	6.948	0	%100
85	M111	X	-4.011	-4.011	0	%100
86	M111	Z	6.948	6.948	0	%100
87	M112	X	-9.254	-9.254	0	%100
88	M112	Z	16.028	16.028	0	%100

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-11.236	-11.236	0	%100
2	M4	Z	6.487	6.487	0	%100
3	M40	X	-3.543	-3.543	0	%100
4	M40	Z	2.046	2.046	0	%100
5	M41	X	-14.174	-14.174	0	%100
6	M41	Z	8.183	8.183	0	%100
7	M42	X	-3.543	-3.543	0	%100
8	M42	Z	2.046	2.046	0	%100
9	M41A	X	0	0	0	%100
10	M41A	Z	0	0	0	%100
11	M42A	X	-11.236	-11.236	0	%100
12	M42A	Z	6.487	6.487	0	%100
13	M43	X	-5.622	-5.622	0	%100
14	M43	Z	3.246	3.246	0	%100
15	M44	X	-5.622	-5.622	0	%100
16	M44	Z	3.246	3.246	0	%100
17	M45	X	-5.622	-5.622	0	%100
18	M45	Z	3.246	3.246	0	%100
19	M46	X	-5.622	-5.622	0	%100
20	M46	Z	3.246	3.246	0	%100
21	M47	X	0	0	0	%100
22	M47	Z	0	0	0	%100
23	M48	X	0	0	0	%100
24	M48	Z	0	0	0	%100
25	M49	X	0	0	0	%100
26	M49	Z	0	0	0	%100
27	M50	X	0	0	0	%100
28	M50	Z	0	0	0	%100
29	M51	X	-5.622	-5.622	0	%100
30	M51	Z	3.246	3.246	0	%100
31	M52	X	-5.622	-5.622	0	%100
32	M52	Z	3.246	3.246	0	%100
33	M53	X	-5.622	-5.622	0	%100
34	M53	Z	3.246	3.246	0	%100
35	M54	X	-5.622	-5.622	0	%100
36	M54	Z	3.246	3.246	0	%100

Company :
 Designer :
 Job Number :
 Model Name :

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	M57	X	-6.984	-6.984	0	%100
38	M57	Z	4.032	4.032	0	%100
39	M58	X	-6.984	-6.984	0	%100
40	M58	Z	4.032	4.032	0	%100
41	MP5A	X	-8.079	-8.079	0	%100
42	MP5A	Z	4.664	4.664	0	%100
43	MP4A	X	-8.079	-8.079	0	%100
44	MP4A	Z	4.664	4.664	0	%100
45	MP3A	X	-9.78	-9.78	0	%100
46	MP3A	Z	5.646	5.646	0	%100
47	MP2A	X	-8.079	-8.079	0	%100
48	MP2A	Z	4.664	4.664	0	%100
49	MP1A	X	-8.079	-8.079	0	%100
50	MP1A	Z	4.664	4.664	0	%100
51	MP5C	X	-8.079	-8.079	0	%100
52	MP5C	Z	4.664	4.664	0	%100
53	MP4C	X	-8.079	-8.079	0	%100
54	MP4C	Z	4.664	4.664	0	%100
55	MP3C	X	-9.78	-9.78	0	%100
56	MP3C	Z	5.646	5.646	0	%100
57	MP2C	X	-8.079	-8.079	0	%100
58	MP2C	Z	4.664	4.664	0	%100
59	MP1C	X	-8.079	-8.079	0	%100
60	MP1C	Z	4.664	4.664	0	%100
61	MP5B	X	-8.079	-8.079	0	%100
62	MP5B	Z	4.664	4.664	0	%100
63	MP4B	X	-8.079	-8.079	0	%100
64	MP4B	Z	4.664	4.664	0	%100
65	MP3B	X	-9.78	-9.78	0	%100
66	MP3B	Z	5.646	5.646	0	%100
67	MP2B	X	-8.079	-8.079	0	%100
68	MP2B	Z	4.664	4.664	0	%100
69	MP1B	X	-8.079	-8.079	0	%100
70	MP1B	Z	4.664	4.664	0	%100
71	M94	X	-2.445	-2.445	0	%100
72	M94	Z	1.412	1.412	0	%100
73	M100	X	-9.78	-9.78	0	%100
74	M100	Z	5.646	5.646	0	%100
75	M106	X	-2.445	-2.445	0	%100
76	M106	Z	1.412	1.412	0	%100
77	M107	X	-12.703	-12.703	0	%100
78	M107	Z	7.334	7.334	0	%100
79	M108	X	-3.176	-3.176	0	%100
80	M108	Z	1.833	1.833	0	%100
81	M109	X	-3.176	-3.176	0	%100
82	M109	Z	1.833	1.833	0	%100
83	M110	X	-13.001	-13.001	0	%100
84	M110	Z	7.506	7.506	0	%100
85	M111	X	-3.921	-3.921	0	%100
86	M111	Z	2.264	2.264	0	%100
87	M112	X	-13.001	-13.001	0	%100
88	M112	Z	7.506	7.506	0	%100

Company :
 Designer :
 Job Number :
 Model Name :

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	MP4C	X	-9.329	-9.329	0	%100
54	MP4C	Z	0	0	0	%100
55	MP3C	X	-11.293	-11.293	0	%100
56	MP3C	Z	0	0	0	%100
57	MP2C	X	-9.329	-9.329	0	%100
58	MP2C	Z	0	0	0	%100
59	MP1C	X	-9.329	-9.329	0	%100
60	MP1C	Z	0	0	0	%100
61	MP5B	X	-9.329	-9.329	0	%100
62	MP5B	Z	0	0	0	%100
63	MP4B	X	-9.329	-9.329	0	%100
64	MP4B	Z	0	0	0	%100
65	MP3B	X	-11.293	-11.293	0	%100
66	MP3B	Z	0	0	0	%100
67	MP2B	X	-9.329	-9.329	0	%100
68	MP2B	Z	0	0	0	%100
69	MP1B	X	-9.329	-9.329	0	%100
70	MP1B	Z	0	0	0	%100
71	M94	X	0	0	0	%100
72	M94	Z	0	0	0	%100
73	M100	X	-8.47	-8.47	0	%100
74	M100	Z	0	0	0	%100
75	M106	X	-8.47	-8.47	0	%100
76	M106	Z	0	0	0	%100
77	M107	X	-11.001	-11.001	0	%100
78	M107	Z	0	0	0	%100
79	M108	X	-11.001	-11.001	0	%100
80	M108	Z	0	0	0	%100
81	M109	X	0	0	0	%100
82	M109	Z	0	0	0	%100
83	M110	X	-18.507	-18.507	0	%100
84	M110	Z	0	0	0	%100
85	M111	X	-8.023	-8.023	0	%100
86	M111	Z	0	0	0	%100
87	M112	X	-8.023	-8.023	0	%100
88	M112	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-11.236	-11.236	0	%100
2	M4	Z	-6.487	-6.487	0	%100
3	M40	X	-14.174	-14.174	0	%100
4	M40	Z	-8.183	-8.183	0	%100
5	M41	X	-3.543	-3.543	0	%100
6	M41	Z	-2.046	-2.046	0	%100
7	M42	X	-3.543	-3.543	0	%100
8	M42	Z	-2.046	-2.046	0	%100
9	M41A	X	-11.236	-11.236	0	%100
10	M41A	Z	-6.487	-6.487	0	%100
11	M42A	X	0	0	0	%100
12	M42A	Z	0	0	0	%100

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	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
65	MP3B	X	-9.78	-9.78	0	%100
66	MP3B	Z	-5.646	-5.646	0	%100
67	MP2B	X	-8.079	-8.079	0	%100
68	MP2B	Z	-4.664	-4.664	0	%100
69	MP1B	X	-8.079	-8.079	0	%100
70	MP1B	Z	-4.664	-4.664	0	%100
71	M94	X	-2.445	-2.445	0	%100
72	M94	Z	-1.412	-1.412	0	%100
73	M100	X	-2.445	-2.445	0	%100
74	M100	Z	-1.412	-1.412	0	%100
75	M106	X	-9.78	-9.78	0	%100
76	M106	Z	-5.646	-5.646	0	%100
77	M107	X	-3.176	-3.176	0	%100
78	M107	Z	-1.833	-1.833	0	%100
79	M108	X	-12.703	-12.703	0	%100
80	M108	Z	-7.334	-7.334	0	%100
81	M109	X	-3.176	-3.176	0	%100
82	M109	Z	-1.833	-1.833	0	%100
83	M110	X	-13.001	-13.001	0	%100
84	M110	Z	-7.506	-7.506	0	%100
85	M111	X	-13.001	-13.001	0	%100
86	M111	Z	-7.506	-7.506	0	%100
87	M112	X	-3.921	-3.921	0	%100
88	M112	Z	-2.264	-2.264	0	%100

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	-2.162	-2.162	0	%100
2	M4	Z	-3.745	-3.745	0	%100
3	M40	X	-6.137	-6.137	0	%100
4	M40	Z	-10.63	-10.63	0	%100
5	M41	X	0	0	0	%100
6	M41	Z	0	0	0	%100
7	M42	X	-6.137	-6.137	0	%100
8	M42	Z	-10.63	-10.63	0	%100
9	M41A	X	-8.65	-8.65	0	%100
10	M41A	Z	-14.982	-14.982	0	%100
11	M42A	X	-2.162	-2.162	0	%100
12	M42A	Z	-3.745	-3.745	0	%100
13	M43	X	-1.082	-1.082	0	%100
14	M43	Z	-1.874	-1.874	0	%100
15	M44	X	-1.082	-1.082	0	%100
16	M44	Z	-1.874	-1.874	0	%100
17	M45	X	-1.082	-1.082	0	%100
18	M45	Z	-1.874	-1.874	0	%100
19	M46	X	-1.082	-1.082	0	%100
20	M46	Z	-1.874	-1.874	0	%100
21	M47	X	-4.328	-4.328	0	%100
22	M47	Z	-7.496	-7.496	0	%100
23	M48	X	-4.328	-4.328	0	%100
24	M48	Z	-7.496	-7.496	0	%100

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	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
25	M49	X	-4.328	-4.328	0	%100
26	M49	Z	-7.496	-7.496	0	%100
27	M50	X	-4.328	-4.328	0	%100
28	M50	Z	-7.496	-7.496	0	%100
29	M51	X	-1.082	-1.082	0	%100
30	M51	Z	-1.874	-1.874	0	%100
31	M52	X	-1.082	-1.082	0	%100
32	M52	Z	-1.874	-1.874	0	%100
33	M53	X	-1.082	-1.082	0	%100
34	M53	Z	-1.874	-1.874	0	%100
35	M54	X	-1.082	-1.082	0	%100
36	M54	Z	-1.874	-1.874	0	%100
37	M57	X	-4.032	-4.032	0	%100
38	M57	Z	-6.984	-6.984	0	%100
39	M58	X	-4.032	-4.032	0	%100
40	M58	Z	-6.984	-6.984	0	%100
41	MP5A	X	-4.664	-4.664	0	%100
42	MP5A	Z	-8.079	-8.079	0	%100
43	MP4A	X	-4.664	-4.664	0	%100
44	MP4A	Z	-8.079	-8.079	0	%100
45	MP3A	X	-5.646	-5.646	0	%100
46	MP3A	Z	-9.78	-9.78	0	%100
47	MP2A	X	-4.664	-4.664	0	%100
48	MP2A	Z	-8.079	-8.079	0	%100
49	MP1A	X	-4.664	-4.664	0	%100
50	MP1A	Z	-8.079	-8.079	0	%100
51	MP5C	X	-4.664	-4.664	0	%100
52	MP5C	Z	-8.079	-8.079	0	%100
53	MP4C	X	-4.664	-4.664	0	%100
54	MP4C	Z	-8.079	-8.079	0	%100
55	MP3C	X	-5.646	-5.646	0	%100
56	MP3C	Z	-9.78	-9.78	0	%100
57	MP2C	X	-4.664	-4.664	0	%100
58	MP2C	Z	-8.079	-8.079	0	%100
59	MP1C	X	-4.664	-4.664	0	%100
60	MP1C	Z	-8.079	-8.079	0	%100
61	MP5B	X	-4.664	-4.664	0	%100
62	MP5B	Z	-8.079	-8.079	0	%100
63	MP4B	X	-4.664	-4.664	0	%100
64	MP4B	Z	-8.079	-8.079	0	%100
65	MP3B	X	-5.646	-5.646	0	%100
66	MP3B	Z	-9.78	-9.78	0	%100
67	MP2B	X	-4.664	-4.664	0	%100
68	MP2B	Z	-8.079	-8.079	0	%100
69	MP1B	X	-4.664	-4.664	0	%100
70	MP1B	Z	-8.079	-8.079	0	%100
71	M94	X	-4.235	-4.235	0	%100
72	M94	Z	-7.335	-7.335	0	%100
73	M100	X	0	0	0	%100
74	M100	Z	0	0	0	%100
75	M106	X	-4.235	-4.235	0	%100
76	M106	Z	-7.335	-7.335	0	%100

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	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
77	M107	X	0	0	0	%100
78	M107	Z	0	0	0	%100
79	M108	X	-5.5	-5.5	0	%100
80	M108	Z	-9.527	-9.527	0	%100
81	M109	X	-5.5	-5.5	0	%100
82	M109	Z	-9.527	-9.527	0	%100
83	M110	X	-4.011	-4.011	0	%100
84	M110	Z	-6.948	-6.948	0	%100
85	M111	X	-9.254	-9.254	0	%100
86	M111	Z	-16.028	-16.028	0	%100
87	M112	X	-4.011	-4.011	0	%100
88	M112	Z	-6.948	-6.948	0	%100

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M40	X	0	0	0	%100
4	M40	Z	-1.09	-1.09	0	%100
5	M41	X	0	0	0	%100
6	M41	Z	-1.09	-1.09	0	%100
7	M42	X	0	0	0	%100
8	M42	Z	-4.361	-4.361	0	%100
9	M41A	X	0	0	0	%100
10	M41A	Z	-3.392	-3.392	0	%100
11	M42A	X	0	0	0	%100
12	M42A	Z	-3.392	-3.392	0	%100
13	M43	X	0	0	0	%100
14	M43	Z	0	0	0	%100
15	M44	X	0	0	0	%100
16	M44	Z	0	0	0	%100
17	M45	X	0	0	0	%100
18	M45	Z	0	0	0	%100
19	M46	X	0	0	0	%100
20	M46	Z	0	0	0	%100
21	M47	X	0	0	0	%100
22	M47	Z	-1.839	-1.839	0	%100
23	M48	X	0	0	0	%100
24	M48	Z	-1.839	-1.839	0	%100
25	M49	X	0	0	0	%100
26	M49	Z	-1.839	-1.839	0	%100
27	M50	X	0	0	0	%100
28	M50	Z	-1.839	-1.839	0	%100
29	M51	X	0	0	0	%100
30	M51	Z	-1.839	-1.839	0	%100
31	M52	X	0	0	0	%100
32	M52	Z	-1.839	-1.839	0	%100
33	M53	X	0	0	0	%100
34	M53	Z	-1.839	-1.839	0	%100
35	M54	X	0	0	0	%100
36	M54	Z	-1.839	-1.839	0	%100

Company :
 Designer :
 Job Number :
 Model Name :

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	M57	X	0	0	0	%100
38	M57	Z	-2.747	-2.747	0	%100
39	M58	X	0	0	0	%100
40	M58	Z	-2.747	-2.747	0	%100
41	MP5A	X	0	0	0	%100
42	MP5A	Z	-3.139	-3.139	0	%100
43	MP4A	X	0	0	0	%100
44	MP4A	Z	-3.139	-3.139	0	%100
45	MP3A	X	0	0	0	%100
46	MP3A	Z	-3.48	-3.48	0	%100
47	MP2A	X	0	0	0	%100
48	MP2A	Z	-3.139	-3.139	0	%100
49	MP1A	X	0	0	0	%100
50	MP1A	Z	-3.139	-3.139	0	%100
51	MP5C	X	0	0	0	%100
52	MP5C	Z	-3.139	-3.139	0	%100
53	MP4C	X	0	0	0	%100
54	MP4C	Z	-3.139	-3.139	0	%100
55	MP3C	X	0	0	0	%100
56	MP3C	Z	-3.48	-3.48	0	%100
57	MP2C	X	0	0	0	%100
58	MP2C	Z	-3.139	-3.139	0	%100
59	MP1C	X	0	0	0	%100
60	MP1C	Z	-3.139	-3.139	0	%100
61	MP5B	X	0	0	0	%100
62	MP5B	Z	-3.139	-3.139	0	%100
63	MP4B	X	0	0	0	%100
64	MP4B	Z	-3.139	-3.139	0	%100
65	MP3B	X	0	0	0	%100
66	MP3B	Z	-3.48	-3.48	0	%100
67	MP2B	X	0	0	0	%100
68	MP2B	Z	-3.139	-3.139	0	%100
69	MP1B	X	0	0	0	%100
70	MP1B	Z	-3.139	-3.139	0	%100
71	M94	X	0	0	0	%100
72	M94	Z	-3.48	-3.48	0	%100
73	M100	X	0	0	0	%100
74	M100	Z	-.87	-.87	0	%100
75	M106	X	0	0	0	%100
76	M106	Z	-.87	-.87	0	%100
77	M107	X	0	0	0	%100
78	M107	Z	-.934	-.934	0	%100
79	M108	X	0	0	0	%100
80	M108	Z	-.934	-.934	0	%100
81	M109	X	0	0	0	%100
82	M109	Z	-3.734	-3.734	0	%100
83	M110	X	0	0	0	%100
84	M110	Z	-.996	-.996	0	%100
85	M111	X	0	0	0	%100
86	M111	Z	-3.799	-3.799	0	%100
87	M112	X	0	0	0	%100
88	M112	Z	-3.799	-3.799	0	%100

Company :
 Designer :
 Job Number :
 Model Name :

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	.565	.565	0	%100
2	M4	Z	-.979	-.979	0	%100
3	M40	X	0	0	0	%100
4	M40	Z	0	0	0	%100
5	M41	X	1.635	1.635	0	%100
6	M41	Z	-2.833	-2.833	0	%100
7	M42	X	1.635	1.635	0	%100
8	M42	Z	-2.833	-2.833	0	%100
9	M41A	X	.565	.565	0	%100
10	M41A	Z	-.979	-.979	0	%100
11	M42A	X	2.262	2.262	0	%100
12	M42A	Z	-3.917	-3.917	0	%100
13	M43	X	.306	.306	0	%100
14	M43	Z	-.531	-.531	0	%100
15	M44	X	.306	.306	0	%100
16	M44	Z	-.531	-.531	0	%100
17	M45	X	.306	.306	0	%100
18	M45	Z	-.531	-.531	0	%100
19	M46	X	.306	.306	0	%100
20	M46	Z	-.531	-.531	0	%100
21	M47	X	.306	.306	0	%100
22	M47	Z	-.531	-.531	0	%100
23	M48	X	.306	.306	0	%100
24	M48	Z	-.531	-.531	0	%100
25	M49	X	.306	.306	0	%100
26	M49	Z	-.531	-.531	0	%100
27	M50	X	.306	.306	0	%100
28	M50	Z	-.531	-.531	0	%100
29	M51	X	1.226	1.226	0	%100
30	M51	Z	-2.123	-2.123	0	%100
31	M52	X	1.226	1.226	0	%100
32	M52	Z	-2.123	-2.123	0	%100
33	M53	X	1.226	1.226	0	%100
34	M53	Z	-2.123	-2.123	0	%100
35	M54	X	1.226	1.226	0	%100
36	M54	Z	-2.123	-2.123	0	%100
37	M57	X	1.373	1.373	0	%100
38	M57	Z	-2.379	-2.379	0	%100
39	M58	X	1.373	1.373	0	%100
40	M58	Z	-2.379	-2.379	0	%100
41	MP5A	X	1.57	1.57	0	%100
42	MP5A	Z	-2.719	-2.719	0	%100
43	MP4A	X	1.57	1.57	0	%100
44	MP4A	Z	-2.719	-2.719	0	%100
45	MP3A	X	1.74	1.74	0	%100
46	MP3A	Z	-3.014	-3.014	0	%100
47	MP2A	X	1.57	1.57	0	%100
48	MP2A	Z	-2.719	-2.719	0	%100
49	MP1A	X	1.57	1.57	0	%100
50	MP1A	Z	-2.719	-2.719	0	%100
51	MP5C	X	1.57	1.57	0	%100
52	MP5C	Z	-2.719	-2.719	0	%100

Company :
 Designer :
 Job Number :
 Model Name :

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	MP4C	X	1.57	1.57	0	%100
54	MP4C	Z	-2.719	-2.719	0	%100
55	MP3C	X	1.74	1.74	0	%100
56	MP3C	Z	-3.014	-3.014	0	%100
57	MP2C	X	1.57	1.57	0	%100
58	MP2C	Z	-2.719	-2.719	0	%100
59	MP1C	X	1.57	1.57	0	%100
60	MP1C	Z	-2.719	-2.719	0	%100
61	MP5B	X	1.57	1.57	0	%100
62	MP5B	Z	-2.719	-2.719	0	%100
63	MP4B	X	1.57	1.57	0	%100
64	MP4B	Z	-2.719	-2.719	0	%100
65	MP3B	X	1.74	1.74	0	%100
66	MP3B	Z	-3.014	-3.014	0	%100
67	MP2B	X	1.57	1.57	0	%100
68	MP2B	Z	-2.719	-2.719	0	%100
69	MP1B	X	1.57	1.57	0	%100
70	MP1B	Z	-2.719	-2.719	0	%100
71	M94	X	1.305	1.305	0	%100
72	M94	Z	-2.261	-2.261	0	%100
73	M100	X	1.305	1.305	0	%100
74	M100	Z	-2.261	-2.261	0	%100
75	M106	X	0	0	0	%100
76	M106	Z	0	0	0	%100
77	M107	X	1.4	1.4	0	%100
78	M107	Z	-2.426	-2.426	0	%100
79	M108	X	0	0	0	%100
80	M108	Z	0	0	0	%100
81	M109	X	1.4	1.4	0	%100
82	M109	Z	-2.426	-2.426	0	%100
83	M110	X	.965	.965	0	%100
84	M110	Z	-1.671	-1.671	0	%100
85	M111	X	.965	.965	0	%100
86	M111	Z	-1.671	-1.671	0	%100
87	M112	X	2.366	2.366	0	%100
88	M112	Z	-4.099	-4.099	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	2.938	2.938	0	%100
2	M4	Z	-1.696	-1.696	0	%100
3	M40	X	.944	.944	0	%100
4	M40	Z	-.545	-.545	0	%100
5	M41	X	3.777	3.777	0	%100
6	M41	Z	-2.181	-2.181	0	%100
7	M42	X	.944	.944	0	%100
8	M42	Z	-.545	-.545	0	%100
9	M41A	X	0	0	0	%100
10	M41A	Z	0	0	0	%100
11	M42A	X	2.938	2.938	0	%100
12	M42A	Z	-1.696	-1.696	0	%100

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	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
13	M43	X	1.592	1.592	0	%100
14	M43	Z	-.919	-.919	0	%100
15	M44	X	1.592	1.592	0	%100
16	M44	Z	-.919	-.919	0	%100
17	M45	X	1.592	1.592	0	%100
18	M45	Z	-.919	-.919	0	%100
19	M46	X	1.592	1.592	0	%100
20	M46	Z	-.919	-.919	0	%100
21	M47	X	0	0	0	%100
22	M47	Z	0	0	0	%100
23	M48	X	0	0	0	%100
24	M48	Z	0	0	0	%100
25	M49	X	0	0	0	%100
26	M49	Z	0	0	0	%100
27	M50	X	0	0	0	%100
28	M50	Z	0	0	0	%100
29	M51	X	1.592	1.592	0	%100
30	M51	Z	-.919	-.919	0	%100
31	M52	X	1.592	1.592	0	%100
32	M52	Z	-.919	-.919	0	%100
33	M53	X	1.592	1.592	0	%100
34	M53	Z	-.919	-.919	0	%100
35	M54	X	1.592	1.592	0	%100
36	M54	Z	-.919	-.919	0	%100
37	M57	X	2.379	2.379	0	%100
38	M57	Z	-1.373	-1.373	0	%100
39	M58	X	2.379	2.379	0	%100
40	M58	Z	-1.373	-1.373	0	%100
41	MP5A	X	2.719	2.719	0	%100
42	MP5A	Z	-1.57	-1.57	0	%100
43	MP4A	X	2.719	2.719	0	%100
44	MP4A	Z	-1.57	-1.57	0	%100
45	MP3A	X	3.014	3.014	0	%100
46	MP3A	Z	-1.74	-1.74	0	%100
47	MP2A	X	2.719	2.719	0	%100
48	MP2A	Z	-1.57	-1.57	0	%100
49	MP1A	X	2.719	2.719	0	%100
50	MP1A	Z	-1.57	-1.57	0	%100
51	MP5C	X	2.719	2.719	0	%100
52	MP5C	Z	-1.57	-1.57	0	%100
53	MP4C	X	2.719	2.719	0	%100
54	MP4C	Z	-1.57	-1.57	0	%100
55	MP3C	X	3.014	3.014	0	%100
56	MP3C	Z	-1.74	-1.74	0	%100
57	MP2C	X	2.719	2.719	0	%100
58	MP2C	Z	-1.57	-1.57	0	%100
59	MP1C	X	2.719	2.719	0	%100
60	MP1C	Z	-1.57	-1.57	0	%100
61	MP5B	X	2.719	2.719	0	%100
62	MP5B	Z	-1.57	-1.57	0	%100
63	MP4B	X	2.719	2.719	0	%100
64	MP4B	Z	-1.57	-1.57	0	%100

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	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
65	MP3B	X	3.014	3.014	0	%100
66	MP3B	Z	-1.74	-1.74	0	%100
67	MP2B	X	2.719	2.719	0	%100
68	MP2B	Z	-1.57	-1.57	0	%100
69	MP1B	X	2.719	2.719	0	%100
70	MP1B	Z	-1.57	-1.57	0	%100
71	M94	X	.754	.754	0	%100
72	M94	Z	-.435	-.435	0	%100
73	M100	X	3.014	3.014	0	%100
74	M100	Z	-1.74	-1.74	0	%100
75	M106	X	.754	.754	0	%100
76	M106	Z	-.435	-.435	0	%100
77	M107	X	3.234	3.234	0	%100
78	M107	Z	-1.867	-1.867	0	%100
79	M108	X	.809	.809	0	%100
80	M108	Z	-.467	-.467	0	%100
81	M109	X	.809	.809	0	%100
82	M109	Z	-.467	-.467	0	%100
83	M110	X	3.29	3.29	0	%100
84	M110	Z	-1.899	-1.899	0	%100
85	M111	X	.862	.862	0	%100
86	M111	Z	-.498	-.498	0	%100
87	M112	X	3.29	3.29	0	%100
88	M112	Z	-1.899	-1.899	0	%100

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%)	End Location[ft,%)
1	M4	X	4.523	4.523	0	%100
2	M4	Z	0	0	0	%100
3	M40	X	3.271	3.271	0	%100
4	M40	Z	0	0	0	%100
5	M41	X	3.271	3.271	0	%100
6	M41	Z	0	0	0	%100
7	M42	X	0	0	0	%100
8	M42	Z	0	0	0	%100
9	M41A	X	1.131	1.131	0	%100
10	M41A	Z	0	0	0	%100
11	M42A	X	1.131	1.131	0	%100
12	M42A	Z	0	0	0	%100
13	M43	X	2.452	2.452	0	%100
14	M43	Z	0	0	0	%100
15	M44	X	2.452	2.452	0	%100
16	M44	Z	0	0	0	%100
17	M45	X	2.452	2.452	0	%100
18	M45	Z	0	0	0	%100
19	M46	X	2.452	2.452	0	%100
20	M46	Z	0	0	0	%100
21	M47	X	.613	.613	0	%100
22	M47	Z	0	0	0	%100
23	M48	X	.613	.613	0	%100
24	M48	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
25	M49	X	.613	.613	0	%100
26	M49	Z	0	0	0	%100
27	M50	X	.613	.613	0	%100
28	M50	Z	0	0	0	%100
29	M51	X	.613	.613	0	%100
30	M51	Z	0	0	0	%100
31	M52	X	.613	.613	0	%100
32	M52	Z	0	0	0	%100
33	M53	X	.613	.613	0	%100
34	M53	Z	0	0	0	%100
35	M54	X	.613	.613	0	%100
36	M54	Z	0	0	0	%100
37	M57	X	2.747	2.747	0	%100
38	M57	Z	0	0	0	%100
39	M58	X	2.747	2.747	0	%100
40	M58	Z	0	0	0	%100
41	MP5A	X	3.139	3.139	0	%100
42	MP5A	Z	0	0	0	%100
43	MP4A	X	3.139	3.139	0	%100
44	MP4A	Z	0	0	0	%100
45	MP3A	X	3.48	3.48	0	%100
46	MP3A	Z	0	0	0	%100
47	MP2A	X	3.139	3.139	0	%100
48	MP2A	Z	0	0	0	%100
49	MP1A	X	3.139	3.139	0	%100
50	MP1A	Z	0	0	0	%100
51	MP5C	X	3.139	3.139	0	%100
52	MP5C	Z	0	0	0	%100
53	MP4C	X	3.139	3.139	0	%100
54	MP4C	Z	0	0	0	%100
55	MP3C	X	3.48	3.48	0	%100
56	MP3C	Z	0	0	0	%100
57	MP2C	X	3.139	3.139	0	%100
58	MP2C	Z	0	0	0	%100
59	MP1C	X	3.139	3.139	0	%100
60	MP1C	Z	0	0	0	%100
61	MP5B	X	3.139	3.139	0	%100
62	MP5B	Z	0	0	0	%100
63	MP4B	X	3.139	3.139	0	%100
64	MP4B	Z	0	0	0	%100
65	MP3B	X	3.48	3.48	0	%100
66	MP3B	Z	0	0	0	%100
67	MP2B	X	3.139	3.139	0	%100
68	MP2B	Z	0	0	0	%100
69	MP1B	X	3.139	3.139	0	%100
70	MP1B	Z	0	0	0	%100
71	M94	X	0	0	0	%100
72	M94	Z	0	0	0	%100
73	M100	X	2.61	2.61	0	%100
74	M100	Z	0	0	0	%100
75	M106	X	2.61	2.61	0	%100
76	M106	Z	0	0	0	%100

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	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
77	M107	X	2.801	2.801	0	%100
78	M107	Z	0	0	0	%100
79	M108	X	2.801	2.801	0	%100
80	M108	Z	0	0	0	%100
81	M109	X	0	0	0	%100
82	M109	Z	0	0	0	%100
83	M110	X	4.733	4.733	0	%100
84	M110	Z	0	0	0	%100
85	M111	X	1.93	1.93	0	%100
86	M111	Z	0	0	0	%100
87	M112	X	1.93	1.93	0	%100
88	M112	Z	0	0	0	%100

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	2.938	2.938	0	%100
2	M4	Z	1.696	1.696	0	%100
3	M40	X	3.777	3.777	0	%100
4	M40	Z	2.181	2.181	0	%100
5	M41	X	.944	.944	0	%100
6	M41	Z	.545	.545	0	%100
7	M42	X	.944	.944	0	%100
8	M42	Z	.545	.545	0	%100
9	M41A	X	2.938	2.938	0	%100
10	M41A	Z	1.696	1.696	0	%100
11	M42A	X	0	0	0	%100
12	M42A	Z	0	0	0	%100
13	M43	X	1.592	1.592	0	%100
14	M43	Z	.919	.919	0	%100
15	M44	X	1.592	1.592	0	%100
16	M44	Z	.919	.919	0	%100
17	M45	X	1.592	1.592	0	%100
18	M45	Z	.919	.919	0	%100
19	M46	X	1.592	1.592	0	%100
20	M46	Z	.919	.919	0	%100
21	M47	X	1.592	1.592	0	%100
22	M47	Z	.919	.919	0	%100
23	M48	X	1.592	1.592	0	%100
24	M48	Z	.919	.919	0	%100
25	M49	X	1.592	1.592	0	%100
26	M49	Z	.919	.919	0	%100
27	M50	X	1.592	1.592	0	%100
28	M50	Z	.919	.919	0	%100
29	M51	X	0	0	0	%100
30	M51	Z	0	0	0	%100
31	M52	X	0	0	0	%100
32	M52	Z	0	0	0	%100
33	M53	X	0	0	0	%100
34	M53	Z	0	0	0	%100
35	M54	X	0	0	0	%100
36	M54	Z	0	0	0	%100

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 Model Name :

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	M57	X	2.379	2.379	0	%100
38	M57	Z	1.373	1.373	0	%100
39	M58	X	2.379	2.379	0	%100
40	M58	Z	1.373	1.373	0	%100
41	MP5A	X	2.719	2.719	0	%100
42	MP5A	Z	1.57	1.57	0	%100
43	MP4A	X	2.719	2.719	0	%100
44	MP4A	Z	1.57	1.57	0	%100
45	MP3A	X	3.014	3.014	0	%100
46	MP3A	Z	1.74	1.74	0	%100
47	MP2A	X	2.719	2.719	0	%100
48	MP2A	Z	1.57	1.57	0	%100
49	MP1A	X	2.719	2.719	0	%100
50	MP1A	Z	1.57	1.57	0	%100
51	MP5C	X	2.719	2.719	0	%100
52	MP5C	Z	1.57	1.57	0	%100
53	MP4C	X	2.719	2.719	0	%100
54	MP4C	Z	1.57	1.57	0	%100
55	MP3C	X	3.014	3.014	0	%100
56	MP3C	Z	1.74	1.74	0	%100
57	MP2C	X	2.719	2.719	0	%100
58	MP2C	Z	1.57	1.57	0	%100
59	MP1C	X	2.719	2.719	0	%100
60	MP1C	Z	1.57	1.57	0	%100
61	MP5B	X	2.719	2.719	0	%100
62	MP5B	Z	1.57	1.57	0	%100
63	MP4B	X	2.719	2.719	0	%100
64	MP4B	Z	1.57	1.57	0	%100
65	MP3B	X	3.014	3.014	0	%100
66	MP3B	Z	1.74	1.74	0	%100
67	MP2B	X	2.719	2.719	0	%100
68	MP2B	Z	1.57	1.57	0	%100
69	MP1B	X	2.719	2.719	0	%100
70	MP1B	Z	1.57	1.57	0	%100
71	M94	X	.754	.754	0	%100
72	M94	Z	.435	.435	0	%100
73	M100	X	.754	.754	0	%100
74	M100	Z	.435	.435	0	%100
75	M106	X	3.014	3.014	0	%100
76	M106	Z	1.74	1.74	0	%100
77	M107	X	.809	.809	0	%100
78	M107	Z	.467	.467	0	%100
79	M108	X	3.234	3.234	0	%100
80	M108	Z	1.867	1.867	0	%100
81	M109	X	.809	.809	0	%100
82	M109	Z	.467	.467	0	%100
83	M110	X	3.29	3.29	0	%100
84	M110	Z	1.899	1.899	0	%100
85	M111	X	3.29	3.29	0	%100
86	M111	Z	1.899	1.899	0	%100
87	M112	X	.862	.862	0	%100
88	M112	Z	.498	.498	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	.565	.565	0	%100
2	M4	Z	.979	.979	0	%100
3	M40	X	1.635	1.635	0	%100
4	M40	Z	2.833	2.833	0	%100
5	M41	X	0	0	0	%100
6	M41	Z	0	0	0	%100
7	M42	X	1.635	1.635	0	%100
8	M42	Z	2.833	2.833	0	%100
9	M41A	X	2.262	2.262	0	%100
10	M41A	Z	3.917	3.917	0	%100
11	M42A	X	.565	.565	0	%100
12	M42A	Z	.979	.979	0	%100
13	M43	X	.306	.306	0	%100
14	M43	Z	.531	.531	0	%100
15	M44	X	.306	.306	0	%100
16	M44	Z	.531	.531	0	%100
17	M45	X	.306	.306	0	%100
18	M45	Z	.531	.531	0	%100
19	M46	X	.306	.306	0	%100
20	M46	Z	.531	.531	0	%100
21	M47	X	1.226	1.226	0	%100
22	M47	Z	2.123	2.123	0	%100
23	M48	X	1.226	1.226	0	%100
24	M48	Z	2.123	2.123	0	%100
25	M49	X	1.226	1.226	0	%100
26	M49	Z	2.123	2.123	0	%100
27	M50	X	1.226	1.226	0	%100
28	M50	Z	2.123	2.123	0	%100
29	M51	X	.306	.306	0	%100
30	M51	Z	.531	.531	0	%100
31	M52	X	.306	.306	0	%100
32	M52	Z	.531	.531	0	%100
33	M53	X	.306	.306	0	%100
34	M53	Z	.531	.531	0	%100
35	M54	X	.306	.306	0	%100
36	M54	Z	.531	.531	0	%100
37	M57	X	1.373	1.373	0	%100
38	M57	Z	2.379	2.379	0	%100
39	M58	X	1.373	1.373	0	%100
40	M58	Z	2.379	2.379	0	%100
41	MP5A	X	1.57	1.57	0	%100
42	MP5A	Z	2.719	2.719	0	%100
43	MP4A	X	1.57	1.57	0	%100
44	MP4A	Z	2.719	2.719	0	%100
45	MP3A	X	1.74	1.74	0	%100
46	MP3A	Z	3.014	3.014	0	%100
47	MP2A	X	1.57	1.57	0	%100
48	MP2A	Z	2.719	2.719	0	%100
49	MP1A	X	1.57	1.57	0	%100
50	MP1A	Z	2.719	2.719	0	%100
51	MP5C	X	1.57	1.57	0	%100
52	MP5C	Z	2.719	2.719	0	%100

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	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
53	MP4C	X	1.57	1.57	0	%100
54	MP4C	Z	2.719	2.719	0	%100
55	MP3C	X	1.74	1.74	0	%100
56	MP3C	Z	3.014	3.014	0	%100
57	MP2C	X	1.57	1.57	0	%100
58	MP2C	Z	2.719	2.719	0	%100
59	MP1C	X	1.57	1.57	0	%100
60	MP1C	Z	2.719	2.719	0	%100
61	MP5B	X	1.57	1.57	0	%100
62	MP5B	Z	2.719	2.719	0	%100
63	MP4B	X	1.57	1.57	0	%100
64	MP4B	Z	2.719	2.719	0	%100
65	MP3B	X	1.74	1.74	0	%100
66	MP3B	Z	3.014	3.014	0	%100
67	MP2B	X	1.57	1.57	0	%100
68	MP2B	Z	2.719	2.719	0	%100
69	MP1B	X	1.57	1.57	0	%100
70	MP1B	Z	2.719	2.719	0	%100
71	M94	X	1.305	1.305	0	%100
72	M94	Z	2.261	2.261	0	%100
73	M100	X	0	0	0	%100
74	M100	Z	0	0	0	%100
75	M106	X	1.305	1.305	0	%100
76	M106	Z	2.261	2.261	0	%100
77	M107	X	0	0	0	%100
78	M107	Z	0	0	0	%100
79	M108	X	1.4	1.4	0	%100
80	M108	Z	2.426	2.426	0	%100
81	M109	X	1.4	1.4	0	%100
82	M109	Z	2.426	2.426	0	%100
83	M110	X	.965	.965	0	%100
84	M110	Z	1.671	1.671	0	%100
85	M111	X	2.366	2.366	0	%100
86	M111	Z	4.099	4.099	0	%100
87	M112	X	.965	.965	0	%100
88	M112	Z	1.671	1.671	0	%100

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M40	X	0	0	0	%100
4	M40	Z	1.09	1.09	0	%100
5	M41	X	0	0	0	%100
6	M41	Z	1.09	1.09	0	%100
7	M42	X	0	0	0	%100
8	M42	Z	4.361	4.361	0	%100
9	M41A	X	0	0	0	%100
10	M41A	Z	3.392	3.392	0	%100
11	M42A	X	0	0	0	%100
12	M42A	Z	3.392	3.392	0	%100

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	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
13	M43	X	0	0	0	%100
14	M43	Z	0	0	0	%100
15	M44	X	0	0	0	%100
16	M44	Z	0	0	0	%100
17	M45	X	0	0	0	%100
18	M45	Z	0	0	0	%100
19	M46	X	0	0	0	%100
20	M46	Z	0	0	0	%100
21	M47	X	0	0	0	%100
22	M47	Z	1.839	1.839	0	%100
23	M48	X	0	0	0	%100
24	M48	Z	1.839	1.839	0	%100
25	M49	X	0	0	0	%100
26	M49	Z	1.839	1.839	0	%100
27	M50	X	0	0	0	%100
28	M50	Z	1.839	1.839	0	%100
29	M51	X	0	0	0	%100
30	M51	Z	1.839	1.839	0	%100
31	M52	X	0	0	0	%100
32	M52	Z	1.839	1.839	0	%100
33	M53	X	0	0	0	%100
34	M53	Z	1.839	1.839	0	%100
35	M54	X	0	0	0	%100
36	M54	Z	1.839	1.839	0	%100
37	M57	X	0	0	0	%100
38	M57	Z	2.747	2.747	0	%100
39	M58	X	0	0	0	%100
40	M58	Z	2.747	2.747	0	%100
41	MP5A	X	0	0	0	%100
42	MP5A	Z	3.139	3.139	0	%100
43	MP4A	X	0	0	0	%100
44	MP4A	Z	3.139	3.139	0	%100
45	MP3A	X	0	0	0	%100
46	MP3A	Z	3.48	3.48	0	%100
47	MP2A	X	0	0	0	%100
48	MP2A	Z	3.139	3.139	0	%100
49	MP1A	X	0	0	0	%100
50	MP1A	Z	3.139	3.139	0	%100
51	MP5C	X	0	0	0	%100
52	MP5C	Z	3.139	3.139	0	%100
53	MP4C	X	0	0	0	%100
54	MP4C	Z	3.139	3.139	0	%100
55	MP3C	X	0	0	0	%100
56	MP3C	Z	3.48	3.48	0	%100
57	MP2C	X	0	0	0	%100
58	MP2C	Z	3.139	3.139	0	%100
59	MP1C	X	0	0	0	%100
60	MP1C	Z	3.139	3.139	0	%100
61	MP5B	X	0	0	0	%100
62	MP5B	Z	3.139	3.139	0	%100
63	MP4B	X	0	0	0	%100
64	MP4B	Z	3.139	3.139	0	%100

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	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
65	MP3B	X	0	0	0	%100
66	MP3B	Z	3.48	3.48	0	%100
67	MP2B	X	0	0	0	%100
68	MP2B	Z	3.139	3.139	0	%100
69	MP1B	X	0	0	0	%100
70	MP1B	Z	3.139	3.139	0	%100
71	M94	X	0	0	0	%100
72	M94	Z	3.48	3.48	0	%100
73	M100	X	0	0	0	%100
74	M100	Z	.87	.87	0	%100
75	M106	X	0	0	0	%100
76	M106	Z	.87	.87	0	%100
77	M107	X	0	0	0	%100
78	M107	Z	.934	.934	0	%100
79	M108	X	0	0	0	%100
80	M108	Z	.934	.934	0	%100
81	M109	X	0	0	0	%100
82	M109	Z	3.734	3.734	0	%100
83	M110	X	0	0	0	%100
84	M110	Z	.996	.996	0	%100
85	M111	X	0	0	0	%100
86	M111	Z	3.799	3.799	0	%100
87	M112	X	0	0	0	%100
88	M112	Z	3.799	3.799	0	%100

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-.565	-.565	0	%100
2	M4	Z	.979	.979	0	%100
3	M40	X	0	0	0	%100
4	M40	Z	0	0	0	%100
5	M41	X	-1.635	-1.635	0	%100
6	M41	Z	2.833	2.833	0	%100
7	M42	X	-1.635	-1.635	0	%100
8	M42	Z	2.833	2.833	0	%100
9	M41A	X	-.565	-.565	0	%100
10	M41A	Z	.979	.979	0	%100
11	M42A	X	-2.262	-2.262	0	%100
12	M42A	Z	3.917	3.917	0	%100
13	M43	X	-.306	-.306	0	%100
14	M43	Z	.531	.531	0	%100
15	M44	X	-.306	-.306	0	%100
16	M44	Z	.531	.531	0	%100
17	M45	X	-.306	-.306	0	%100
18	M45	Z	.531	.531	0	%100
19	M46	X	-.306	-.306	0	%100
20	M46	Z	.531	.531	0	%100
21	M47	X	-.306	-.306	0	%100
22	M47	Z	.531	.531	0	%100
23	M48	X	-.306	-.306	0	%100
24	M48	Z	.531	.531	0	%100

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	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
25	M49	X	- .306	- .306	0	%100
26	M49	Z	.531	.531	0	%100
27	M50	X	- .306	- .306	0	%100
28	M50	Z	.531	.531	0	%100
29	M51	X	-1.226	-1.226	0	%100
30	M51	Z	2.123	2.123	0	%100
31	M52	X	-1.226	-1.226	0	%100
32	M52	Z	2.123	2.123	0	%100
33	M53	X	-1.226	-1.226	0	%100
34	M53	Z	2.123	2.123	0	%100
35	M54	X	-1.226	-1.226	0	%100
36	M54	Z	2.123	2.123	0	%100
37	M57	X	-1.373	-1.373	0	%100
38	M57	Z	2.379	2.379	0	%100
39	M58	X	-1.373	-1.373	0	%100
40	M58	Z	2.379	2.379	0	%100
41	MP5A	X	-1.57	-1.57	0	%100
42	MP5A	Z	2.719	2.719	0	%100
43	MP4A	X	-1.57	-1.57	0	%100
44	MP4A	Z	2.719	2.719	0	%100
45	MP3A	X	-1.74	-1.74	0	%100
46	MP3A	Z	3.014	3.014	0	%100
47	MP2A	X	-1.57	-1.57	0	%100
48	MP2A	Z	2.719	2.719	0	%100
49	MP1A	X	-1.57	-1.57	0	%100
50	MP1A	Z	2.719	2.719	0	%100
51	MP5C	X	-1.57	-1.57	0	%100
52	MP5C	Z	2.719	2.719	0	%100
53	MP4C	X	-1.57	-1.57	0	%100
54	MP4C	Z	2.719	2.719	0	%100
55	MP3C	X	-1.74	-1.74	0	%100
56	MP3C	Z	3.014	3.014	0	%100
57	MP2C	X	-1.57	-1.57	0	%100
58	MP2C	Z	2.719	2.719	0	%100
59	MP1C	X	-1.57	-1.57	0	%100
60	MP1C	Z	2.719	2.719	0	%100
61	MP5B	X	-1.57	-1.57	0	%100
62	MP5B	Z	2.719	2.719	0	%100
63	MP4B	X	-1.57	-1.57	0	%100
64	MP4B	Z	2.719	2.719	0	%100
65	MP3B	X	-1.74	-1.74	0	%100
66	MP3B	Z	3.014	3.014	0	%100
67	MP2B	X	-1.57	-1.57	0	%100
68	MP2B	Z	2.719	2.719	0	%100
69	MP1B	X	-1.57	-1.57	0	%100
70	MP1B	Z	2.719	2.719	0	%100
71	M94	X	-1.305	-1.305	0	%100
72	M94	Z	2.261	2.261	0	%100
73	M100	X	-1.305	-1.305	0	%100
74	M100	Z	2.261	2.261	0	%100
75	M106	X	0	0	0	%100
76	M106	Z	0	0	0	%100

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 Designer :
 Job Number :
 Model Name :

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
77	M107	X	-1.4	-1.4	0	%100
78	M107	Z	2.426	2.426	0	%100
79	M108	X	0	0	0	%100
80	M108	Z	0	0	0	%100
81	M109	X	-1.4	-1.4	0	%100
82	M109	Z	2.426	2.426	0	%100
83	M110	X	-.965	-.965	0	%100
84	M110	Z	1.671	1.671	0	%100
85	M111	X	-.965	-.965	0	%100
86	M111	Z	1.671	1.671	0	%100
87	M112	X	-2.366	-2.366	0	%100
88	M112	Z	4.099	4.099	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-2.938	-2.938	0	%100
2	M4	Z	1.696	1.696	0	%100
3	M40	X	-.944	-.944	0	%100
4	M40	Z	.545	.545	0	%100
5	M41	X	-3.777	-3.777	0	%100
6	M41	Z	2.181	2.181	0	%100
7	M42	X	-.944	-.944	0	%100
8	M42	Z	.545	.545	0	%100
9	M41A	X	0	0	0	%100
10	M41A	Z	0	0	0	%100
11	M42A	X	-2.938	-2.938	0	%100
12	M42A	Z	1.696	1.696	0	%100
13	M43	X	-1.592	-1.592	0	%100
14	M43	Z	.919	.919	0	%100
15	M44	X	-1.592	-1.592	0	%100
16	M44	Z	.919	.919	0	%100
17	M45	X	-1.592	-1.592	0	%100
18	M45	Z	.919	.919	0	%100
19	M46	X	-1.592	-1.592	0	%100
20	M46	Z	.919	.919	0	%100
21	M47	X	0	0	0	%100
22	M47	Z	0	0	0	%100
23	M48	X	0	0	0	%100
24	M48	Z	0	0	0	%100
25	M49	X	0	0	0	%100
26	M49	Z	0	0	0	%100
27	M50	X	0	0	0	%100
28	M50	Z	0	0	0	%100
29	M51	X	-1.592	-1.592	0	%100
30	M51	Z	.919	.919	0	%100
31	M52	X	-1.592	-1.592	0	%100
32	M52	Z	.919	.919	0	%100
33	M53	X	-1.592	-1.592	0	%100
34	M53	Z	.919	.919	0	%100
35	M54	X	-1.592	-1.592	0	%100
36	M54	Z	.919	.919	0	%100

Company :
 Designer :
 Job Number :
 Model Name :

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	M57	X	-2.379	-2.379	0	%100
38	M57	Z	1.373	1.373	0	%100
39	M58	X	-2.379	-2.379	0	%100
40	M58	Z	1.373	1.373	0	%100
41	MP5A	X	-2.719	-2.719	0	%100
42	MP5A	Z	1.57	1.57	0	%100
43	MP4A	X	-2.719	-2.719	0	%100
44	MP4A	Z	1.57	1.57	0	%100
45	MP3A	X	-3.014	-3.014	0	%100
46	MP3A	Z	1.74	1.74	0	%100
47	MP2A	X	-2.719	-2.719	0	%100
48	MP2A	Z	1.57	1.57	0	%100
49	MP1A	X	-2.719	-2.719	0	%100
50	MP1A	Z	1.57	1.57	0	%100
51	MP5C	X	-2.719	-2.719	0	%100
52	MP5C	Z	1.57	1.57	0	%100
53	MP4C	X	-2.719	-2.719	0	%100
54	MP4C	Z	1.57	1.57	0	%100
55	MP3C	X	-3.014	-3.014	0	%100
56	MP3C	Z	1.74	1.74	0	%100
57	MP2C	X	-2.719	-2.719	0	%100
58	MP2C	Z	1.57	1.57	0	%100
59	MP1C	X	-2.719	-2.719	0	%100
60	MP1C	Z	1.57	1.57	0	%100
61	MP5B	X	-2.719	-2.719	0	%100
62	MP5B	Z	1.57	1.57	0	%100
63	MP4B	X	-2.719	-2.719	0	%100
64	MP4B	Z	1.57	1.57	0	%100
65	MP3B	X	-3.014	-3.014	0	%100
66	MP3B	Z	1.74	1.74	0	%100
67	MP2B	X	-2.719	-2.719	0	%100
68	MP2B	Z	1.57	1.57	0	%100
69	MP1B	X	-2.719	-2.719	0	%100
70	MP1B	Z	1.57	1.57	0	%100
71	M94	X	-.754	-.754	0	%100
72	M94	Z	.435	.435	0	%100
73	M100	X	-3.014	-3.014	0	%100
74	M100	Z	1.74	1.74	0	%100
75	M106	X	-.754	-.754	0	%100
76	M106	Z	.435	.435	0	%100
77	M107	X	-3.234	-3.234	0	%100
78	M107	Z	1.867	1.867	0	%100
79	M108	X	-.809	-.809	0	%100
80	M108	Z	.467	.467	0	%100
81	M109	X	-.809	-.809	0	%100
82	M109	Z	.467	.467	0	%100
83	M110	X	-3.29	-3.29	0	%100
84	M110	Z	1.899	1.899	0	%100
85	M111	X	-.862	-.862	0	%100
86	M111	Z	.498	.498	0	%100
87	M112	X	-3.29	-3.29	0	%100
88	M112	Z	1.899	1.899	0	%100

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	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	-4.523	-4.523	0	%100
2	M4	Z	0	0	0	%100
3	M40	X	-3.271	-3.271	0	%100
4	M40	Z	0	0	0	%100
5	M41	X	-3.271	-3.271	0	%100
6	M41	Z	0	0	0	%100
7	M42	X	0	0	0	%100
8	M42	Z	0	0	0	%100
9	M41A	X	-1.131	-1.131	0	%100
10	M41A	Z	0	0	0	%100
11	M42A	X	-1.131	-1.131	0	%100
12	M42A	Z	0	0	0	%100
13	M43	X	-2.452	-2.452	0	%100
14	M43	Z	0	0	0	%100
15	M44	X	-2.452	-2.452	0	%100
16	M44	Z	0	0	0	%100
17	M45	X	-2.452	-2.452	0	%100
18	M45	Z	0	0	0	%100
19	M46	X	-2.452	-2.452	0	%100
20	M46	Z	0	0	0	%100
21	M47	X	-.613	-.613	0	%100
22	M47	Z	0	0	0	%100
23	M48	X	-.613	-.613	0	%100
24	M48	Z	0	0	0	%100
25	M49	X	-.613	-.613	0	%100
26	M49	Z	0	0	0	%100
27	M50	X	-.613	-.613	0	%100
28	M50	Z	0	0	0	%100
29	M51	X	-.613	-.613	0	%100
30	M51	Z	0	0	0	%100
31	M52	X	-.613	-.613	0	%100
32	M52	Z	0	0	0	%100
33	M53	X	-.613	-.613	0	%100
34	M53	Z	0	0	0	%100
35	M54	X	-.613	-.613	0	%100
36	M54	Z	0	0	0	%100
37	M57	X	-2.747	-2.747	0	%100
38	M57	Z	0	0	0	%100
39	M58	X	-2.747	-2.747	0	%100
40	M58	Z	0	0	0	%100
41	MP5A	X	-3.139	-3.139	0	%100
42	MP5A	Z	0	0	0	%100
43	MP4A	X	-3.139	-3.139	0	%100
44	MP4A	Z	0	0	0	%100
45	MP3A	X	-3.48	-3.48	0	%100
46	MP3A	Z	0	0	0	%100
47	MP2A	X	-3.139	-3.139	0	%100
48	MP2A	Z	0	0	0	%100
49	MP1A	X	-3.139	-3.139	0	%100
50	MP1A	Z	0	0	0	%100
51	MP5C	X	-3.139	-3.139	0	%100
52	MP5C	Z	0	0	0	%100

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	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	MP4C	X	-3.139	-3.139	0	%100
54	MP4C	Z	0	0	0	%100
55	MP3C	X	-3.48	-3.48	0	%100
56	MP3C	Z	0	0	0	%100
57	MP2C	X	-3.139	-3.139	0	%100
58	MP2C	Z	0	0	0	%100
59	MP1C	X	-3.139	-3.139	0	%100
60	MP1C	Z	0	0	0	%100
61	MP5B	X	-3.139	-3.139	0	%100
62	MP5B	Z	0	0	0	%100
63	MP4B	X	-3.139	-3.139	0	%100
64	MP4B	Z	0	0	0	%100
65	MP3B	X	-3.48	-3.48	0	%100
66	MP3B	Z	0	0	0	%100
67	MP2B	X	-3.139	-3.139	0	%100
68	MP2B	Z	0	0	0	%100
69	MP1B	X	-3.139	-3.139	0	%100
70	MP1B	Z	0	0	0	%100
71	M94	X	0	0	0	%100
72	M94	Z	0	0	0	%100
73	M100	X	-2.61	-2.61	0	%100
74	M100	Z	0	0	0	%100
75	M106	X	-2.61	-2.61	0	%100
76	M106	Z	0	0	0	%100
77	M107	X	-2.801	-2.801	0	%100
78	M107	Z	0	0	0	%100
79	M108	X	-2.801	-2.801	0	%100
80	M108	Z	0	0	0	%100
81	M109	X	0	0	0	%100
82	M109	Z	0	0	0	%100
83	M110	X	-4.733	-4.733	0	%100
84	M110	Z	0	0	0	%100
85	M111	X	-1.93	-1.93	0	%100
86	M111	Z	0	0	0	%100
87	M112	X	-1.93	-1.93	0	%100
88	M112	Z	0	0	0	%100

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-2.938	-2.938	0	%100
2	M4	Z	-1.696	-1.696	0	%100
3	M40	X	-3.777	-3.777	0	%100
4	M40	Z	-2.181	-2.181	0	%100
5	M41	X	-.944	-.944	0	%100
6	M41	Z	-.545	-.545	0	%100
7	M42	X	-.944	-.944	0	%100
8	M42	Z	-.545	-.545	0	%100
9	M41A	X	-2.938	-2.938	0	%100
10	M41A	Z	-1.696	-1.696	0	%100
11	M42A	X	0	0	0	%100
12	M42A	Z	0	0	0	%100

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	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
13	M43	X	-1.592	-1.592	0	%100
14	M43	Z	-.919	-.919	0	%100
15	M44	X	-1.592	-1.592	0	%100
16	M44	Z	-.919	-.919	0	%100
17	M45	X	-1.592	-1.592	0	%100
18	M45	Z	-.919	-.919	0	%100
19	M46	X	-1.592	-1.592	0	%100
20	M46	Z	-.919	-.919	0	%100
21	M47	X	-1.592	-1.592	0	%100
22	M47	Z	-.919	-.919	0	%100
23	M48	X	-1.592	-1.592	0	%100
24	M48	Z	-.919	-.919	0	%100
25	M49	X	-1.592	-1.592	0	%100
26	M49	Z	-.919	-.919	0	%100
27	M50	X	-1.592	-1.592	0	%100
28	M50	Z	-.919	-.919	0	%100
29	M51	X	0	0	0	%100
30	M51	Z	0	0	0	%100
31	M52	X	0	0	0	%100
32	M52	Z	0	0	0	%100
33	M53	X	0	0	0	%100
34	M53	Z	0	0	0	%100
35	M54	X	0	0	0	%100
36	M54	Z	0	0	0	%100
37	M57	X	-2.379	-2.379	0	%100
38	M57	Z	-1.373	-1.373	0	%100
39	M58	X	-2.379	-2.379	0	%100
40	M58	Z	-1.373	-1.373	0	%100
41	MP5A	X	-2.719	-2.719	0	%100
42	MP5A	Z	-1.57	-1.57	0	%100
43	MP4A	X	-2.719	-2.719	0	%100
44	MP4A	Z	-1.57	-1.57	0	%100
45	MP3A	X	-3.014	-3.014	0	%100
46	MP3A	Z	-1.74	-1.74	0	%100
47	MP2A	X	-2.719	-2.719	0	%100
48	MP2A	Z	-1.57	-1.57	0	%100
49	MP1A	X	-2.719	-2.719	0	%100
50	MP1A	Z	-1.57	-1.57	0	%100
51	MP5C	X	-2.719	-2.719	0	%100
52	MP5C	Z	-1.57	-1.57	0	%100
53	MP4C	X	-2.719	-2.719	0	%100
54	MP4C	Z	-1.57	-1.57	0	%100
55	MP3C	X	-3.014	-3.014	0	%100
56	MP3C	Z	-1.74	-1.74	0	%100
57	MP2C	X	-2.719	-2.719	0	%100
58	MP2C	Z	-1.57	-1.57	0	%100
59	MP1C	X	-2.719	-2.719	0	%100
60	MP1C	Z	-1.57	-1.57	0	%100
61	MP5B	X	-2.719	-2.719	0	%100
62	MP5B	Z	-1.57	-1.57	0	%100
63	MP4B	X	-2.719	-2.719	0	%100
64	MP4B	Z	-1.57	-1.57	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
65	MP3B	X	-3.014	-3.014	0	%100
66	MP3B	Z	-1.74	-1.74	0	%100
67	MP2B	X	-2.719	-2.719	0	%100
68	MP2B	Z	-1.57	-1.57	0	%100
69	MP1B	X	-2.719	-2.719	0	%100
70	MP1B	Z	-1.57	-1.57	0	%100
71	M94	X	-.754	-.754	0	%100
72	M94	Z	-.435	-.435	0	%100
73	M100	X	-.754	-.754	0	%100
74	M100	Z	-.435	-.435	0	%100
75	M106	X	-3.014	-3.014	0	%100
76	M106	Z	-1.74	-1.74	0	%100
77	M107	X	-.809	-.809	0	%100
78	M107	Z	-.467	-.467	0	%100
79	M108	X	-3.234	-3.234	0	%100
80	M108	Z	-1.867	-1.867	0	%100
81	M109	X	-.809	-.809	0	%100
82	M109	Z	-.467	-.467	0	%100
83	M110	X	-3.29	-3.29	0	%100
84	M110	Z	-1.899	-1.899	0	%100
85	M111	X	-3.29	-3.29	0	%100
86	M111	Z	-1.899	-1.899	0	%100
87	M112	X	-.862	-.862	0	%100
88	M112	Z	-.498	-.498	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-.565	-.565	0	%100
2	M4	Z	-.979	-.979	0	%100
3	M40	X	-1.635	-1.635	0	%100
4	M40	Z	-2.833	-2.833	0	%100
5	M41	X	0	0	0	%100
6	M41	Z	0	0	0	%100
7	M42	X	-1.635	-1.635	0	%100
8	M42	Z	-2.833	-2.833	0	%100
9	M41A	X	-2.262	-2.262	0	%100
10	M41A	Z	-3.917	-3.917	0	%100
11	M42A	X	-.565	-.565	0	%100
12	M42A	Z	-.979	-.979	0	%100
13	M43	X	-.306	-.306	0	%100
14	M43	Z	-.531	-.531	0	%100
15	M44	X	-.306	-.306	0	%100
16	M44	Z	-.531	-.531	0	%100
17	M45	X	-.306	-.306	0	%100
18	M45	Z	-.531	-.531	0	%100
19	M46	X	-.306	-.306	0	%100
20	M46	Z	-.531	-.531	0	%100
21	M47	X	-1.226	-1.226	0	%100
22	M47	Z	-2.123	-2.123	0	%100
23	M48	X	-1.226	-1.226	0	%100
24	M48	Z	-2.123	-2.123	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
25	M49	X	-1.226	-1.226	0	%100
26	M49	Z	-2.123	-2.123	0	%100
27	M50	X	-1.226	-1.226	0	%100
28	M50	Z	-2.123	-2.123	0	%100
29	M51	X	-.306	-.306	0	%100
30	M51	Z	-.531	-.531	0	%100
31	M52	X	-.306	-.306	0	%100
32	M52	Z	-.531	-.531	0	%100
33	M53	X	-.306	-.306	0	%100
34	M53	Z	-.531	-.531	0	%100
35	M54	X	-.306	-.306	0	%100
36	M54	Z	-.531	-.531	0	%100
37	M57	X	-1.373	-1.373	0	%100
38	M57	Z	-2.379	-2.379	0	%100
39	M58	X	-1.373	-1.373	0	%100
40	M58	Z	-2.379	-2.379	0	%100
41	MP5A	X	-1.57	-1.57	0	%100
42	MP5A	Z	-2.719	-2.719	0	%100
43	MP4A	X	-1.57	-1.57	0	%100
44	MP4A	Z	-2.719	-2.719	0	%100
45	MP3A	X	-1.74	-1.74	0	%100
46	MP3A	Z	-3.014	-3.014	0	%100
47	MP2A	X	-1.57	-1.57	0	%100
48	MP2A	Z	-2.719	-2.719	0	%100
49	MP1A	X	-1.57	-1.57	0	%100
50	MP1A	Z	-2.719	-2.719	0	%100
51	MP5C	X	-1.57	-1.57	0	%100
52	MP5C	Z	-2.719	-2.719	0	%100
53	MP4C	X	-1.57	-1.57	0	%100
54	MP4C	Z	-2.719	-2.719	0	%100
55	MP3C	X	-1.74	-1.74	0	%100
56	MP3C	Z	-3.014	-3.014	0	%100
57	MP2C	X	-1.57	-1.57	0	%100
58	MP2C	Z	-2.719	-2.719	0	%100
59	MP1C	X	-1.57	-1.57	0	%100
60	MP1C	Z	-2.719	-2.719	0	%100
61	MP5B	X	-1.57	-1.57	0	%100
62	MP5B	Z	-2.719	-2.719	0	%100
63	MP4B	X	-1.57	-1.57	0	%100
64	MP4B	Z	-2.719	-2.719	0	%100
65	MP3B	X	-1.74	-1.74	0	%100
66	MP3B	Z	-3.014	-3.014	0	%100
67	MP2B	X	-1.57	-1.57	0	%100
68	MP2B	Z	-2.719	-2.719	0	%100
69	MP1B	X	-1.57	-1.57	0	%100
70	MP1B	Z	-2.719	-2.719	0	%100
71	M94	X	-1.305	-1.305	0	%100
72	M94	Z	-2.261	-2.261	0	%100
73	M100	X	0	0	0	%100
74	M100	Z	0	0	0	%100
75	M106	X	-1.305	-1.305	0	%100
76	M106	Z	-2.261	-2.261	0	%100

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	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
77	M107	X	0	0	0	%100
78	M107	Z	0	0	0	%100
79	M108	X	-1.4	-1.4	0	%100
80	M108	Z	-2.426	-2.426	0	%100
81	M109	X	-1.4	-1.4	0	%100
82	M109	Z	-2.426	-2.426	0	%100
83	M110	X	-.965	-.965	0	%100
84	M110	Z	-1.671	-1.671	0	%100
85	M111	X	-2.366	-2.366	0	%100
86	M111	Z	-4.099	-4.099	0	%100
87	M112	X	-.965	-.965	0	%100
88	M112	Z	-1.671	-1.671	0	%100

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M40	X	0	0	0	%100
4	M40	Z	-.256	-.256	0	%100
5	M41	X	0	0	0	%100
6	M41	Z	-.256	-.256	0	%100
7	M42	X	0	0	0	%100
8	M42	Z	-1.023	-1.023	0	%100
9	M41A	X	0	0	0	%100
10	M41A	Z	-.811	-.811	0	%100
11	M42A	X	0	0	0	%100
12	M42A	Z	-.811	-.811	0	%100
13	M43	X	0	0	0	%100
14	M43	Z	0	0	0	%100
15	M44	X	0	0	0	%100
16	M44	Z	0	0	0	%100
17	M45	X	0	0	0	%100
18	M45	Z	0	0	0	%100
19	M46	X	0	0	0	%100
20	M46	Z	0	0	0	%100
21	M47	X	0	0	0	%100
22	M47	Z	-.406	-.406	0	%100
23	M48	X	0	0	0	%100
24	M48	Z	-.406	-.406	0	%100
25	M49	X	0	0	0	%100
26	M49	Z	-.406	-.406	0	%100
27	M50	X	0	0	0	%100
28	M50	Z	-.406	-.406	0	%100
29	M51	X	0	0	0	%100
30	M51	Z	-.406	-.406	0	%100
31	M52	X	0	0	0	%100
32	M52	Z	-.406	-.406	0	%100
33	M53	X	0	0	0	%100
34	M53	Z	-.406	-.406	0	%100
35	M54	X	0	0	0	%100
36	M54	Z	-.406	-.406	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	M57	X	0	0	0	%100
38	M57	Z	-.504	-.504	0	%100
39	M58	X	0	0	0	%100
40	M58	Z	-.504	-.504	0	%100
41	MP5A	X	0	0	0	%100
42	MP5A	Z	-.583	-.583	0	%100
43	MP4A	X	0	0	0	%100
44	MP4A	Z	-.583	-.583	0	%100
45	MP3A	X	0	0	0	%100
46	MP3A	Z	-.706	-.706	0	%100
47	MP2A	X	0	0	0	%100
48	MP2A	Z	-.583	-.583	0	%100
49	MP1A	X	0	0	0	%100
50	MP1A	Z	-.583	-.583	0	%100
51	MP5C	X	0	0	0	%100
52	MP5C	Z	-.583	-.583	0	%100
53	MP4C	X	0	0	0	%100
54	MP4C	Z	-.583	-.583	0	%100
55	MP3C	X	0	0	0	%100
56	MP3C	Z	-.706	-.706	0	%100
57	MP2C	X	0	0	0	%100
58	MP2C	Z	-.583	-.583	0	%100
59	MP1C	X	0	0	0	%100
60	MP1C	Z	-.583	-.583	0	%100
61	MP5B	X	0	0	0	%100
62	MP5B	Z	-.583	-.583	0	%100
63	MP4B	X	0	0	0	%100
64	MP4B	Z	-.583	-.583	0	%100
65	MP3B	X	0	0	0	%100
66	MP3B	Z	-.706	-.706	0	%100
67	MP2B	X	0	0	0	%100
68	MP2B	Z	-.583	-.583	0	%100
69	MP1B	X	0	0	0	%100
70	MP1B	Z	-.583	-.583	0	%100
71	M94	X	0	0	0	%100
72	M94	Z	-.706	-.706	0	%100
73	M100	X	0	0	0	%100
74	M100	Z	-.176	-.176	0	%100
75	M106	X	0	0	0	%100
76	M106	Z	-.176	-.176	0	%100
77	M107	X	0	0	0	%100
78	M107	Z	-.229	-.229	0	%100
79	M108	X	0	0	0	%100
80	M108	Z	-.229	-.229	0	%100
81	M109	X	0	0	0	%100
82	M109	Z	-.917	-.917	0	%100
83	M110	X	0	0	0	%100
84	M110	Z	-.283	-.283	0	%100
85	M111	X	0	0	0	%100
86	M111	Z	-.938	-.938	0	%100
87	M112	X	0	0	0	%100
88	M112	Z	-.938	-.938	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	.135	.135	0	%100
2	M4	Z	-.234	-.234	0	%100
3	M40	X	0	0	0	%100
4	M40	Z	0	0	0	%100
5	M41	X	.384	.384	0	%100
6	M41	Z	-.664	-.664	0	%100
7	M42	X	.384	.384	0	%100
8	M42	Z	-.664	-.664	0	%100
9	M41A	X	.135	.135	0	%100
10	M41A	Z	-.234	-.234	0	%100
11	M42A	X	.541	.541	0	%100
12	M42A	Z	-.936	-.936	0	%100
13	M43	X	.068	.068	0	%100
14	M43	Z	-.117	-.117	0	%100
15	M44	X	.068	.068	0	%100
16	M44	Z	-.117	-.117	0	%100
17	M45	X	.068	.068	0	%100
18	M45	Z	-.117	-.117	0	%100
19	M46	X	.068	.068	0	%100
20	M46	Z	-.117	-.117	0	%100
21	M47	X	.068	.068	0	%100
22	M47	Z	-.117	-.117	0	%100
23	M48	X	.068	.068	0	%100
24	M48	Z	-.117	-.117	0	%100
25	M49	X	.068	.068	0	%100
26	M49	Z	-.117	-.117	0	%100
27	M50	X	.068	.068	0	%100
28	M50	Z	-.117	-.117	0	%100
29	M51	X	.27	.27	0	%100
30	M51	Z	-.469	-.469	0	%100
31	M52	X	.27	.27	0	%100
32	M52	Z	-.469	-.469	0	%100
33	M53	X	.27	.27	0	%100
34	M53	Z	-.469	-.469	0	%100
35	M54	X	.27	.27	0	%100
36	M54	Z	-.469	-.469	0	%100
37	M57	X	.252	.252	0	%100
38	M57	Z	-.437	-.437	0	%100
39	M58	X	.252	.252	0	%100
40	M58	Z	-.437	-.437	0	%100
41	MP5A	X	.292	.292	0	%100
42	MP5A	Z	-.505	-.505	0	%100
43	MP4A	X	.292	.292	0	%100
44	MP4A	Z	-.505	-.505	0	%100
45	MP3A	X	.353	.353	0	%100
46	MP3A	Z	-.611	-.611	0	%100
47	MP2A	X	.292	.292	0	%100
48	MP2A	Z	-.505	-.505	0	%100
49	MP1A	X	.292	.292	0	%100
50	MP1A	Z	-.505	-.505	0	%100
51	MP5C	X	.292	.292	0	%100
52	MP5C	Z	-.505	-.505	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	MP4C	X	.292	.292	0	%100
54	MP4C	Z	-.505	-.505	0	%100
55	MP3C	X	.353	.353	0	%100
56	MP3C	Z	-.611	-.611	0	%100
57	MP2C	X	.292	.292	0	%100
58	MP2C	Z	-.505	-.505	0	%100
59	MP1C	X	.292	.292	0	%100
60	MP1C	Z	-.505	-.505	0	%100
61	MP5B	X	.292	.292	0	%100
62	MP5B	Z	-.505	-.505	0	%100
63	MP4B	X	.292	.292	0	%100
64	MP4B	Z	-.505	-.505	0	%100
65	MP3B	X	.353	.353	0	%100
66	MP3B	Z	-.611	-.611	0	%100
67	MP2B	X	.292	.292	0	%100
68	MP2B	Z	-.505	-.505	0	%100
69	MP1B	X	.292	.292	0	%100
70	MP1B	Z	-.505	-.505	0	%100
71	M94	X	.265	.265	0	%100
72	M94	Z	-.458	-.458	0	%100
73	M100	X	.265	.265	0	%100
74	M100	Z	-.458	-.458	0	%100
75	M106	X	0	0	0	%100
76	M106	Z	0	0	0	%100
77	M107	X	.344	.344	0	%100
78	M107	Z	-.595	-.595	0	%100
79	M108	X	0	0	0	%100
80	M108	Z	0	0	0	%100
81	M109	X	.344	.344	0	%100
82	M109	Z	-.595	-.595	0	%100
83	M110	X	.251	.251	0	%100
84	M110	Z	-.434	-.434	0	%100
85	M111	X	.251	.251	0	%100
86	M111	Z	-.434	-.434	0	%100
87	M112	X	.578	.578	0	%100
88	M112	Z	-1.002	-1.002	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	.702	.702	0	%100
2	M4	Z	-.405	-.405	0	%100
3	M40	X	.221	.221	0	%100
4	M40	Z	-.128	-.128	0	%100
5	M41	X	.886	.886	0	%100
6	M41	Z	-.511	-.511	0	%100
7	M42	X	.221	.221	0	%100
8	M42	Z	-.128	-.128	0	%100
9	M41A	X	0	0	0	%100
10	M41A	Z	0	0	0	%100
11	M42A	X	.702	.702	0	%100
12	M42A	Z	-.405	-.405	0	%100

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	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
13	M43	X	.351	.351	0	%100
14	M43	Z	-.203	-.203	0	%100
15	M44	X	.351	.351	0	%100
16	M44	Z	-.203	-.203	0	%100
17	M45	X	.351	.351	0	%100
18	M45	Z	-.203	-.203	0	%100
19	M46	X	.351	.351	0	%100
20	M46	Z	-.203	-.203	0	%100
21	M47	X	0	0	0	%100
22	M47	Z	0	0	0	%100
23	M48	X	0	0	0	%100
24	M48	Z	0	0	0	%100
25	M49	X	0	0	0	%100
26	M49	Z	0	0	0	%100
27	M50	X	0	0	0	%100
28	M50	Z	0	0	0	%100
29	M51	X	.351	.351	0	%100
30	M51	Z	-.203	-.203	0	%100
31	M52	X	.351	.351	0	%100
32	M52	Z	-.203	-.203	0	%100
33	M53	X	.351	.351	0	%100
34	M53	Z	-.203	-.203	0	%100
35	M54	X	.351	.351	0	%100
36	M54	Z	-.203	-.203	0	%100
37	M57	X	.437	.437	0	%100
38	M57	Z	-.252	-.252	0	%100
39	M58	X	.437	.437	0	%100
40	M58	Z	-.252	-.252	0	%100
41	MP5A	X	.505	.505	0	%100
42	MP5A	Z	-.292	-.292	0	%100
43	MP4A	X	.505	.505	0	%100
44	MP4A	Z	-.292	-.292	0	%100
45	MP3A	X	.611	.611	0	%100
46	MP3A	Z	-.353	-.353	0	%100
47	MP2A	X	.505	.505	0	%100
48	MP2A	Z	-.292	-.292	0	%100
49	MP1A	X	.505	.505	0	%100
50	MP1A	Z	-.292	-.292	0	%100
51	MP5C	X	.505	.505	0	%100
52	MP5C	Z	-.292	-.292	0	%100
53	MP4C	X	.505	.505	0	%100
54	MP4C	Z	-.292	-.292	0	%100
55	MP3C	X	.611	.611	0	%100
56	MP3C	Z	-.353	-.353	0	%100
57	MP2C	X	.505	.505	0	%100
58	MP2C	Z	-.292	-.292	0	%100
59	MP1C	X	.505	.505	0	%100
60	MP1C	Z	-.292	-.292	0	%100
61	MP5B	X	.505	.505	0	%100
62	MP5B	Z	-.292	-.292	0	%100
63	MP4B	X	.505	.505	0	%100
64	MP4B	Z	-.292	-.292	0	%100

Company :
 Designer :
 Job Number :
 Model Name :

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
65	MP3B	X	.611	.611	0	%100
66	MP3B	Z	-.353	-.353	0	%100
67	MP2B	X	.505	.505	0	%100
68	MP2B	Z	-.292	-.292	0	%100
69	MP1B	X	.505	.505	0	%100
70	MP1B	Z	-.292	-.292	0	%100
71	M94	X	.153	.153	0	%100
72	M94	Z	-.088	-.088	0	%100
73	M100	X	.611	.611	0	%100
74	M100	Z	-.353	-.353	0	%100
75	M106	X	.153	.153	0	%100
76	M106	Z	-.088	-.088	0	%100
77	M107	X	.794	.794	0	%100
78	M107	Z	-.458	-.458	0	%100
79	M108	X	.198	.198	0	%100
80	M108	Z	-.115	-.115	0	%100
81	M109	X	.198	.198	0	%100
82	M109	Z	-.115	-.115	0	%100
83	M110	X	.813	.813	0	%100
84	M110	Z	-.469	-.469	0	%100
85	M111	X	.245	.245	0	%100
86	M111	Z	-.141	-.141	0	%100
87	M112	X	.813	.813	0	%100
88	M112	Z	-.469	-.469	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	1.081	1.081	0	%100
2	M4	Z	0	0	0	%100
3	M40	X	.767	.767	0	%100
4	M40	Z	0	0	0	%100
5	M41	X	.767	.767	0	%100
6	M41	Z	0	0	0	%100
7	M42	X	0	0	0	%100
8	M42	Z	0	0	0	%100
9	M41A	X	.27	.27	0	%100
10	M41A	Z	0	0	0	%100
11	M42A	X	.27	.27	0	%100
12	M42A	Z	0	0	0	%100
13	M43	X	.541	.541	0	%100
14	M43	Z	0	0	0	%100
15	M44	X	.541	.541	0	%100
16	M44	Z	0	0	0	%100
17	M45	X	.541	.541	0	%100
18	M45	Z	0	0	0	%100
19	M46	X	.541	.541	0	%100
20	M46	Z	0	0	0	%100
21	M47	X	.135	.135	0	%100
22	M47	Z	0	0	0	%100
23	M48	X	.135	.135	0	%100
24	M48	Z	0	0	0	%100

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	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
25	M49	X	.135	.135	0	%100
26	M49	Z	0	0	0	%100
27	M50	X	.135	.135	0	%100
28	M50	Z	0	0	0	%100
29	M51	X	.135	.135	0	%100
30	M51	Z	0	0	0	%100
31	M52	X	.135	.135	0	%100
32	M52	Z	0	0	0	%100
33	M53	X	.135	.135	0	%100
34	M53	Z	0	0	0	%100
35	M54	X	.135	.135	0	%100
36	M54	Z	0	0	0	%100
37	M57	X	.504	.504	0	%100
38	M57	Z	0	0	0	%100
39	M58	X	.504	.504	0	%100
40	M58	Z	0	0	0	%100
41	MP5A	X	.583	.583	0	%100
42	MP5A	Z	0	0	0	%100
43	MP4A	X	.583	.583	0	%100
44	MP4A	Z	0	0	0	%100
45	MP3A	X	.706	.706	0	%100
46	MP3A	Z	0	0	0	%100
47	MP2A	X	.583	.583	0	%100
48	MP2A	Z	0	0	0	%100
49	MP1A	X	.583	.583	0	%100
50	MP1A	Z	0	0	0	%100
51	MP5C	X	.583	.583	0	%100
52	MP5C	Z	0	0	0	%100
53	MP4C	X	.583	.583	0	%100
54	MP4C	Z	0	0	0	%100
55	MP3C	X	.706	.706	0	%100
56	MP3C	Z	0	0	0	%100
57	MP2C	X	.583	.583	0	%100
58	MP2C	Z	0	0	0	%100
59	MP1C	X	.583	.583	0	%100
60	MP1C	Z	0	0	0	%100
61	MP5B	X	.583	.583	0	%100
62	MP5B	Z	0	0	0	%100
63	MP4B	X	.583	.583	0	%100
64	MP4B	Z	0	0	0	%100
65	MP3B	X	.706	.706	0	%100
66	MP3B	Z	0	0	0	%100
67	MP2B	X	.583	.583	0	%100
68	MP2B	Z	0	0	0	%100
69	MP1B	X	.583	.583	0	%100
70	MP1B	Z	0	0	0	%100
71	M94	X	0	0	0	%100
72	M94	Z	0	0	0	%100
73	M100	X	.529	.529	0	%100
74	M100	Z	0	0	0	%100
75	M106	X	.529	.529	0	%100
76	M106	Z	0	0	0	%100

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	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
77	M107	X	.688	.688	0	%100
78	M107	Z	0	0	0	%100
79	M108	X	.688	.688	0	%100
80	M108	Z	0	0	0	%100
81	M109	X	0	0	0	%100
82	M109	Z	0	0	0	%100
83	M110	X	1.157	1.157	0	%100
84	M110	Z	0	0	0	%100
85	M111	X	.501	.501	0	%100
86	M111	Z	0	0	0	%100
87	M112	X	.501	.501	0	%100
88	M112	Z	0	0	0	%100

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	.702	.702	0	%100
2	M4	Z	.405	.405	0	%100
3	M40	X	.886	.886	0	%100
4	M40	Z	.511	.511	0	%100
5	M41	X	.221	.221	0	%100
6	M41	Z	.128	.128	0	%100
7	M42	X	.221	.221	0	%100
8	M42	Z	.128	.128	0	%100
9	M41A	X	.702	.702	0	%100
10	M41A	Z	.405	.405	0	%100
11	M42A	X	0	0	0	%100
12	M42A	Z	0	0	0	%100
13	M43	X	.351	.351	0	%100
14	M43	Z	.203	.203	0	%100
15	M44	X	.351	.351	0	%100
16	M44	Z	.203	.203	0	%100
17	M45	X	.351	.351	0	%100
18	M45	Z	.203	.203	0	%100
19	M46	X	.351	.351	0	%100
20	M46	Z	.203	.203	0	%100
21	M47	X	.351	.351	0	%100
22	M47	Z	.203	.203	0	%100
23	M48	X	.351	.351	0	%100
24	M48	Z	.203	.203	0	%100
25	M49	X	.351	.351	0	%100
26	M49	Z	.203	.203	0	%100
27	M50	X	.351	.351	0	%100
28	M50	Z	.203	.203	0	%100
29	M51	X	0	0	0	%100
30	M51	Z	0	0	0	%100
31	M52	X	0	0	0	%100
32	M52	Z	0	0	0	%100
33	M53	X	0	0	0	%100
34	M53	Z	0	0	0	%100
35	M54	X	0	0	0	%100
36	M54	Z	0	0	0	%100

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	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	M57	X	.437	.437	0	%100
38	M57	Z	.252	.252	0	%100
39	M58	X	.437	.437	0	%100
40	M58	Z	.252	.252	0	%100
41	MP5A	X	.505	.505	0	%100
42	MP5A	Z	.292	.292	0	%100
43	MP4A	X	.505	.505	0	%100
44	MP4A	Z	.292	.292	0	%100
45	MP3A	X	.611	.611	0	%100
46	MP3A	Z	.353	.353	0	%100
47	MP2A	X	.505	.505	0	%100
48	MP2A	Z	.292	.292	0	%100
49	MP1A	X	.505	.505	0	%100
50	MP1A	Z	.292	.292	0	%100
51	MP5C	X	.505	.505	0	%100
52	MP5C	Z	.292	.292	0	%100
53	MP4C	X	.505	.505	0	%100
54	MP4C	Z	.292	.292	0	%100
55	MP3C	X	.611	.611	0	%100
56	MP3C	Z	.353	.353	0	%100
57	MP2C	X	.505	.505	0	%100
58	MP2C	Z	.292	.292	0	%100
59	MP1C	X	.505	.505	0	%100
60	MP1C	Z	.292	.292	0	%100
61	MP5B	X	.505	.505	0	%100
62	MP5B	Z	.292	.292	0	%100
63	MP4B	X	.505	.505	0	%100
64	MP4B	Z	.292	.292	0	%100
65	MP3B	X	.611	.611	0	%100
66	MP3B	Z	.353	.353	0	%100
67	MP2B	X	.505	.505	0	%100
68	MP2B	Z	.292	.292	0	%100
69	MP1B	X	.505	.505	0	%100
70	MP1B	Z	.292	.292	0	%100
71	M94	X	.153	.153	0	%100
72	M94	Z	.088	.088	0	%100
73	M100	X	.153	.153	0	%100
74	M100	Z	.088	.088	0	%100
75	M106	X	.611	.611	0	%100
76	M106	Z	.353	.353	0	%100
77	M107	X	.198	.198	0	%100
78	M107	Z	.115	.115	0	%100
79	M108	X	.794	.794	0	%100
80	M108	Z	.458	.458	0	%100
81	M109	X	.198	.198	0	%100
82	M109	Z	.115	.115	0	%100
83	M110	X	.813	.813	0	%100
84	M110	Z	.469	.469	0	%100
85	M111	X	.813	.813	0	%100
86	M111	Z	.469	.469	0	%100
87	M112	X	.245	.245	0	%100
88	M112	Z	.141	.141	0	%100

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	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	.135	.135	0	%100
2	M4	Z	.234	.234	0	%100
3	M40	X	.384	.384	0	%100
4	M40	Z	.664	.664	0	%100
5	M41	X	0	0	0	%100
6	M41	Z	0	0	0	%100
7	M42	X	.384	.384	0	%100
8	M42	Z	.664	.664	0	%100
9	M41A	X	.541	.541	0	%100
10	M41A	Z	.936	.936	0	%100
11	M42A	X	.135	.135	0	%100
12	M42A	Z	.234	.234	0	%100
13	M43	X	.068	.068	0	%100
14	M43	Z	.117	.117	0	%100
15	M44	X	.068	.068	0	%100
16	M44	Z	.117	.117	0	%100
17	M45	X	.068	.068	0	%100
18	M45	Z	.117	.117	0	%100
19	M46	X	.068	.068	0	%100
20	M46	Z	.117	.117	0	%100
21	M47	X	.27	.27	0	%100
22	M47	Z	.469	.469	0	%100
23	M48	X	.27	.27	0	%100
24	M48	Z	.469	.469	0	%100
25	M49	X	.27	.27	0	%100
26	M49	Z	.469	.469	0	%100
27	M50	X	.27	.27	0	%100
28	M50	Z	.469	.469	0	%100
29	M51	X	.068	.068	0	%100
30	M51	Z	.117	.117	0	%100
31	M52	X	.068	.068	0	%100
32	M52	Z	.117	.117	0	%100
33	M53	X	.068	.068	0	%100
34	M53	Z	.117	.117	0	%100
35	M54	X	.068	.068	0	%100
36	M54	Z	.117	.117	0	%100
37	M57	X	.252	.252	0	%100
38	M57	Z	.437	.437	0	%100
39	M58	X	.252	.252	0	%100
40	M58	Z	.437	.437	0	%100
41	MP5A	X	.292	.292	0	%100
42	MP5A	Z	.505	.505	0	%100
43	MP4A	X	.292	.292	0	%100
44	MP4A	Z	.505	.505	0	%100
45	MP3A	X	.353	.353	0	%100
46	MP3A	Z	.611	.611	0	%100
47	MP2A	X	.292	.292	0	%100
48	MP2A	Z	.505	.505	0	%100
49	MP1A	X	.292	.292	0	%100
50	MP1A	Z	.505	.505	0	%100
51	MP5C	X	.292	.292	0	%100
52	MP5C	Z	.505	.505	0	%100

Company :
 Designer :
 Job Number :
 Model Name :

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	MP4C	X	.292	.292	0	%100
54	MP4C	Z	.505	.505	0	%100
55	MP3C	X	.353	.353	0	%100
56	MP3C	Z	.611	.611	0	%100
57	MP2C	X	.292	.292	0	%100
58	MP2C	Z	.505	.505	0	%100
59	MP1C	X	.292	.292	0	%100
60	MP1C	Z	.505	.505	0	%100
61	MP5B	X	.292	.292	0	%100
62	MP5B	Z	.505	.505	0	%100
63	MP4B	X	.292	.292	0	%100
64	MP4B	Z	.505	.505	0	%100
65	MP3B	X	.353	.353	0	%100
66	MP3B	Z	.611	.611	0	%100
67	MP2B	X	.292	.292	0	%100
68	MP2B	Z	.505	.505	0	%100
69	MP1B	X	.292	.292	0	%100
70	MP1B	Z	.505	.505	0	%100
71	M94	X	.265	.265	0	%100
72	M94	Z	.458	.458	0	%100
73	M100	X	0	0	0	%100
74	M100	Z	0	0	0	%100
75	M106	X	.265	.265	0	%100
76	M106	Z	.458	.458	0	%100
77	M107	X	0	0	0	%100
78	M107	Z	0	0	0	%100
79	M108	X	.344	.344	0	%100
80	M108	Z	.595	.595	0	%100
81	M109	X	.344	.344	0	%100
82	M109	Z	.595	.595	0	%100
83	M110	X	.251	.251	0	%100
84	M110	Z	.434	.434	0	%100
85	M111	X	.578	.578	0	%100
86	M111	Z	1.002	1.002	0	%100
87	M112	X	.251	.251	0	%100
88	M112	Z	.434	.434	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M40	X	0	0	0	%100
4	M40	Z	.256	.256	0	%100
5	M41	X	0	0	0	%100
6	M41	Z	.256	.256	0	%100
7	M42	X	0	0	0	%100
8	M42	Z	1.023	1.023	0	%100
9	M41A	X	0	0	0	%100
10	M41A	Z	.811	.811	0	%100
11	M42A	X	0	0	0	%100
12	M42A	Z	.811	.811	0	%100

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	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
13	M43	X	0	0	0	%100
14	M43	Z	0	0	0	%100
15	M44	X	0	0	0	%100
16	M44	Z	0	0	0	%100
17	M45	X	0	0	0	%100
18	M45	Z	0	0	0	%100
19	M46	X	0	0	0	%100
20	M46	Z	0	0	0	%100
21	M47	X	0	0	0	%100
22	M47	Z	.406	.406	0	%100
23	M48	X	0	0	0	%100
24	M48	Z	.406	.406	0	%100
25	M49	X	0	0	0	%100
26	M49	Z	.406	.406	0	%100
27	M50	X	0	0	0	%100
28	M50	Z	.406	.406	0	%100
29	M51	X	0	0	0	%100
30	M51	Z	.406	.406	0	%100
31	M52	X	0	0	0	%100
32	M52	Z	.406	.406	0	%100
33	M53	X	0	0	0	%100
34	M53	Z	.406	.406	0	%100
35	M54	X	0	0	0	%100
36	M54	Z	.406	.406	0	%100
37	M57	X	0	0	0	%100
38	M57	Z	.504	.504	0	%100
39	M58	X	0	0	0	%100
40	M58	Z	.504	.504	0	%100
41	MP5A	X	0	0	0	%100
42	MP5A	Z	.583	.583	0	%100
43	MP4A	X	0	0	0	%100
44	MP4A	Z	.583	.583	0	%100
45	MP3A	X	0	0	0	%100
46	MP3A	Z	.706	.706	0	%100
47	MP2A	X	0	0	0	%100
48	MP2A	Z	.583	.583	0	%100
49	MP1A	X	0	0	0	%100
50	MP1A	Z	.583	.583	0	%100
51	MP5C	X	0	0	0	%100
52	MP5C	Z	.583	.583	0	%100
53	MP4C	X	0	0	0	%100
54	MP4C	Z	.583	.583	0	%100
55	MP3C	X	0	0	0	%100
56	MP3C	Z	.706	.706	0	%100
57	MP2C	X	0	0	0	%100
58	MP2C	Z	.583	.583	0	%100
59	MP1C	X	0	0	0	%100
60	MP1C	Z	.583	.583	0	%100
61	MP5B	X	0	0	0	%100
62	MP5B	Z	.583	.583	0	%100
63	MP4B	X	0	0	0	%100
64	MP4B	Z	.583	.583	0	%100

Company :
 Designer :
 Job Number :
 Model Name :

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
65	MP3B	X	0	0	0	%100
66	MP3B	Z	.706	.706	0	%100
67	MP2B	X	0	0	0	%100
68	MP2B	Z	.583	.583	0	%100
69	MP1B	X	0	0	0	%100
70	MP1B	Z	.583	.583	0	%100
71	M94	X	0	0	0	%100
72	M94	Z	.706	.706	0	%100
73	M100	X	0	0	0	%100
74	M100	Z	.176	.176	0	%100
75	M106	X	0	0	0	%100
76	M106	Z	.176	.176	0	%100
77	M107	X	0	0	0	%100
78	M107	Z	.229	.229	0	%100
79	M108	X	0	0	0	%100
80	M108	Z	.229	.229	0	%100
81	M109	X	0	0	0	%100
82	M109	Z	.917	.917	0	%100
83	M110	X	0	0	0	%100
84	M110	Z	.283	.283	0	%100
85	M111	X	0	0	0	%100
86	M111	Z	.938	.938	0	%100
87	M112	X	0	0	0	%100
88	M112	Z	.938	.938	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-.135	-.135	0	%100
2	M4	Z	.234	.234	0	%100
3	M40	X	0	0	0	%100
4	M40	Z	0	0	0	%100
5	M41	X	-.384	-.384	0	%100
6	M41	Z	.664	.664	0	%100
7	M42	X	-.384	-.384	0	%100
8	M42	Z	.664	.664	0	%100
9	M41A	X	-.135	-.135	0	%100
10	M41A	Z	.234	.234	0	%100
11	M42A	X	-.541	-.541	0	%100
12	M42A	Z	.936	.936	0	%100
13	M43	X	-.068	-.068	0	%100
14	M43	Z	.117	.117	0	%100
15	M44	X	-.068	-.068	0	%100
16	M44	Z	.117	.117	0	%100
17	M45	X	-.068	-.068	0	%100
18	M45	Z	.117	.117	0	%100
19	M46	X	-.068	-.068	0	%100
20	M46	Z	.117	.117	0	%100
21	M47	X	-.068	-.068	0	%100
22	M47	Z	.117	.117	0	%100
23	M48	X	-.068	-.068	0	%100
24	M48	Z	.117	.117	0	%100

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	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
25	M49	X	-.068	-.068	0	%100
26	M49	Z	.117	.117	0	%100
27	M50	X	-.068	-.068	0	%100
28	M50	Z	.117	.117	0	%100
29	M51	X	-.27	-.27	0	%100
30	M51	Z	.469	.469	0	%100
31	M52	X	-.27	-.27	0	%100
32	M52	Z	.469	.469	0	%100
33	M53	X	-.27	-.27	0	%100
34	M53	Z	.469	.469	0	%100
35	M54	X	-.27	-.27	0	%100
36	M54	Z	.469	.469	0	%100
37	M57	X	-.252	-.252	0	%100
38	M57	Z	.437	.437	0	%100
39	M58	X	-.252	-.252	0	%100
40	M58	Z	.437	.437	0	%100
41	MP5A	X	-.292	-.292	0	%100
42	MP5A	Z	.505	.505	0	%100
43	MP4A	X	-.292	-.292	0	%100
44	MP4A	Z	.505	.505	0	%100
45	MP3A	X	-.353	-.353	0	%100
46	MP3A	Z	.611	.611	0	%100
47	MP2A	X	-.292	-.292	0	%100
48	MP2A	Z	.505	.505	0	%100
49	MP1A	X	-.292	-.292	0	%100
50	MP1A	Z	.505	.505	0	%100
51	MP5C	X	-.292	-.292	0	%100
52	MP5C	Z	.505	.505	0	%100
53	MP4C	X	-.292	-.292	0	%100
54	MP4C	Z	.505	.505	0	%100
55	MP3C	X	-.353	-.353	0	%100
56	MP3C	Z	.611	.611	0	%100
57	MP2C	X	-.292	-.292	0	%100
58	MP2C	Z	.505	.505	0	%100
59	MP1C	X	-.292	-.292	0	%100
60	MP1C	Z	.505	.505	0	%100
61	MP5B	X	-.292	-.292	0	%100
62	MP5B	Z	.505	.505	0	%100
63	MP4B	X	-.292	-.292	0	%100
64	MP4B	Z	.505	.505	0	%100
65	MP3B	X	-.353	-.353	0	%100
66	MP3B	Z	.611	.611	0	%100
67	MP2B	X	-.292	-.292	0	%100
68	MP2B	Z	.505	.505	0	%100
69	MP1B	X	-.292	-.292	0	%100
70	MP1B	Z	.505	.505	0	%100
71	M94	X	-.265	-.265	0	%100
72	M94	Z	.458	.458	0	%100
73	M100	X	-.265	-.265	0	%100
74	M100	Z	.458	.458	0	%100
75	M106	X	0	0	0	%100
76	M106	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
77	M107	X	-.344	-.344	0	%100
78	M107	Z	.595	.595	0	%100
79	M108	X	0	0	0	%100
80	M108	Z	0	0	0	%100
81	M109	X	-.344	-.344	0	%100
82	M109	Z	.595	.595	0	%100
83	M110	X	-.251	-.251	0	%100
84	M110	Z	.434	.434	0	%100
85	M111	X	-.251	-.251	0	%100
86	M111	Z	.434	.434	0	%100
87	M112	X	-.578	-.578	0	%100
88	M112	Z	1.002	1.002	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	-.702	-.702	0	%100
2	M4	Z	.405	.405	0	%100
3	M40	X	-.221	-.221	0	%100
4	M40	Z	.128	.128	0	%100
5	M41	X	-.886	-.886	0	%100
6	M41	Z	.511	.511	0	%100
7	M42	X	-.221	-.221	0	%100
8	M42	Z	.128	.128	0	%100
9	M41A	X	0	0	0	%100
10	M41A	Z	0	0	0	%100
11	M42A	X	-.702	-.702	0	%100
12	M42A	Z	.405	.405	0	%100
13	M43	X	-.351	-.351	0	%100
14	M43	Z	.203	.203	0	%100
15	M44	X	-.351	-.351	0	%100
16	M44	Z	.203	.203	0	%100
17	M45	X	-.351	-.351	0	%100
18	M45	Z	.203	.203	0	%100
19	M46	X	-.351	-.351	0	%100
20	M46	Z	.203	.203	0	%100
21	M47	X	0	0	0	%100
22	M47	Z	0	0	0	%100
23	M48	X	0	0	0	%100
24	M48	Z	0	0	0	%100
25	M49	X	0	0	0	%100
26	M49	Z	0	0	0	%100
27	M50	X	0	0	0	%100
28	M50	Z	0	0	0	%100
29	M51	X	-.351	-.351	0	%100
30	M51	Z	.203	.203	0	%100
31	M52	X	-.351	-.351	0	%100
32	M52	Z	.203	.203	0	%100
33	M53	X	-.351	-.351	0	%100
34	M53	Z	.203	.203	0	%100
35	M54	X	-.351	-.351	0	%100
36	M54	Z	.203	.203	0	%100

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	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	M57	X	-.437	-.437	0	%100
38	M57	Z	.252	.252	0	%100
39	M58	X	-.437	-.437	0	%100
40	M58	Z	.252	.252	0	%100
41	MP5A	X	-.505	-.505	0	%100
42	MP5A	Z	.292	.292	0	%100
43	MP4A	X	-.505	-.505	0	%100
44	MP4A	Z	.292	.292	0	%100
45	MP3A	X	-.611	-.611	0	%100
46	MP3A	Z	.353	.353	0	%100
47	MP2A	X	-.505	-.505	0	%100
48	MP2A	Z	.292	.292	0	%100
49	MP1A	X	-.505	-.505	0	%100
50	MP1A	Z	.292	.292	0	%100
51	MP5C	X	-.505	-.505	0	%100
52	MP5C	Z	.292	.292	0	%100
53	MP4C	X	-.505	-.505	0	%100
54	MP4C	Z	.292	.292	0	%100
55	MP3C	X	-.611	-.611	0	%100
56	MP3C	Z	.353	.353	0	%100
57	MP2C	X	-.505	-.505	0	%100
58	MP2C	Z	.292	.292	0	%100
59	MP1C	X	-.505	-.505	0	%100
60	MP1C	Z	.292	.292	0	%100
61	MP5B	X	-.505	-.505	0	%100
62	MP5B	Z	.292	.292	0	%100
63	MP4B	X	-.505	-.505	0	%100
64	MP4B	Z	.292	.292	0	%100
65	MP3B	X	-.611	-.611	0	%100
66	MP3B	Z	.353	.353	0	%100
67	MP2B	X	-.505	-.505	0	%100
68	MP2B	Z	.292	.292	0	%100
69	MP1B	X	-.505	-.505	0	%100
70	MP1B	Z	.292	.292	0	%100
71	M94	X	-.153	-.153	0	%100
72	M94	Z	.088	.088	0	%100
73	M100	X	-.611	-.611	0	%100
74	M100	Z	.353	.353	0	%100
75	M106	X	-.153	-.153	0	%100
76	M106	Z	.088	.088	0	%100
77	M107	X	-.794	-.794	0	%100
78	M107	Z	.458	.458	0	%100
79	M108	X	-.198	-.198	0	%100
80	M108	Z	.115	.115	0	%100
81	M109	X	-.198	-.198	0	%100
82	M109	Z	.115	.115	0	%100
83	M110	X	-.813	-.813	0	%100
84	M110	Z	.469	.469	0	%100
85	M111	X	-.245	-.245	0	%100
86	M111	Z	.141	.141	0	%100
87	M112	X	-.813	-.813	0	%100
88	M112	Z	.469	.469	0	%100

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	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	-1.081	-1.081	0	%100
2	M4	Z	0	0	0	%100
3	M40	X	-.767	-.767	0	%100
4	M40	Z	0	0	0	%100
5	M41	X	-.767	-.767	0	%100
6	M41	Z	0	0	0	%100
7	M42	X	0	0	0	%100
8	M42	Z	0	0	0	%100
9	M41A	X	-.27	-.27	0	%100
10	M41A	Z	0	0	0	%100
11	M42A	X	-.27	-.27	0	%100
12	M42A	Z	0	0	0	%100
13	M43	X	-.541	-.541	0	%100
14	M43	Z	0	0	0	%100
15	M44	X	-.541	-.541	0	%100
16	M44	Z	0	0	0	%100
17	M45	X	-.541	-.541	0	%100
18	M45	Z	0	0	0	%100
19	M46	X	-.541	-.541	0	%100
20	M46	Z	0	0	0	%100
21	M47	X	-.135	-.135	0	%100
22	M47	Z	0	0	0	%100
23	M48	X	-.135	-.135	0	%100
24	M48	Z	0	0	0	%100
25	M49	X	-.135	-.135	0	%100
26	M49	Z	0	0	0	%100
27	M50	X	-.135	-.135	0	%100
28	M50	Z	0	0	0	%100
29	M51	X	-.135	-.135	0	%100
30	M51	Z	0	0	0	%100
31	M52	X	-.135	-.135	0	%100
32	M52	Z	0	0	0	%100
33	M53	X	-.135	-.135	0	%100
34	M53	Z	0	0	0	%100
35	M54	X	-.135	-.135	0	%100
36	M54	Z	0	0	0	%100
37	M57	X	-.504	-.504	0	%100
38	M57	Z	0	0	0	%100
39	M58	X	-.504	-.504	0	%100
40	M58	Z	0	0	0	%100
41	MP5A	X	-.583	-.583	0	%100
42	MP5A	Z	0	0	0	%100
43	MP4A	X	-.583	-.583	0	%100
44	MP4A	Z	0	0	0	%100
45	MP3A	X	-.706	-.706	0	%100
46	MP3A	Z	0	0	0	%100
47	MP2A	X	-.583	-.583	0	%100
48	MP2A	Z	0	0	0	%100
49	MP1A	X	-.583	-.583	0	%100
50	MP1A	Z	0	0	0	%100
51	MP5C	X	-.583	-.583	0	%100
52	MP5C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
53	MP4C	X	-.583	-.583	0	%100
54	MP4C	Z	0	0	0	%100
55	MP3C	X	-.706	-.706	0	%100
56	MP3C	Z	0	0	0	%100
57	MP2C	X	-.583	-.583	0	%100
58	MP2C	Z	0	0	0	%100
59	MP1C	X	-.583	-.583	0	%100
60	MP1C	Z	0	0	0	%100
61	MP5B	X	-.583	-.583	0	%100
62	MP5B	Z	0	0	0	%100
63	MP4B	X	-.583	-.583	0	%100
64	MP4B	Z	0	0	0	%100
65	MP3B	X	-.706	-.706	0	%100
66	MP3B	Z	0	0	0	%100
67	MP2B	X	-.583	-.583	0	%100
68	MP2B	Z	0	0	0	%100
69	MP1B	X	-.583	-.583	0	%100
70	MP1B	Z	0	0	0	%100
71	M94	X	0	0	0	%100
72	M94	Z	0	0	0	%100
73	M100	X	-.529	-.529	0	%100
74	M100	Z	0	0	0	%100
75	M106	X	-.529	-.529	0	%100
76	M106	Z	0	0	0	%100
77	M107	X	-.688	-.688	0	%100
78	M107	Z	0	0	0	%100
79	M108	X	-.688	-.688	0	%100
80	M108	Z	0	0	0	%100
81	M109	X	0	0	0	%100
82	M109	Z	0	0	0	%100
83	M110	X	-1.157	-1.157	0	%100
84	M110	Z	0	0	0	%100
85	M111	X	-.501	-.501	0	%100
86	M111	Z	0	0	0	%100
87	M112	X	-.501	-.501	0	%100
88	M112	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M4	X	-.702	-.702	0	%100
2	M4	Z	-.405	-.405	0	%100
3	M40	X	-.886	-.886	0	%100
4	M40	Z	-.511	-.511	0	%100
5	M41	X	-.221	-.221	0	%100
6	M41	Z	-.128	-.128	0	%100
7	M42	X	-.221	-.221	0	%100
8	M42	Z	-.128	-.128	0	%100
9	M41A	X	-.702	-.702	0	%100
10	M41A	Z	-.405	-.405	0	%100
11	M42A	X	0	0	0	%100
12	M42A	Z	0	0	0	%100

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	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
13	M43	X	-.351	-.351	0	%100
14	M43	Z	-.203	-.203	0	%100
15	M44	X	-.351	-.351	0	%100
16	M44	Z	-.203	-.203	0	%100
17	M45	X	-.351	-.351	0	%100
18	M45	Z	-.203	-.203	0	%100
19	M46	X	-.351	-.351	0	%100
20	M46	Z	-.203	-.203	0	%100
21	M47	X	-.351	-.351	0	%100
22	M47	Z	-.203	-.203	0	%100
23	M48	X	-.351	-.351	0	%100
24	M48	Z	-.203	-.203	0	%100
25	M49	X	-.351	-.351	0	%100
26	M49	Z	-.203	-.203	0	%100
27	M50	X	-.351	-.351	0	%100
28	M50	Z	-.203	-.203	0	%100
29	M51	X	0	0	0	%100
30	M51	Z	0	0	0	%100
31	M52	X	0	0	0	%100
32	M52	Z	0	0	0	%100
33	M53	X	0	0	0	%100
34	M53	Z	0	0	0	%100
35	M54	X	0	0	0	%100
36	M54	Z	0	0	0	%100
37	M57	X	-.437	-.437	0	%100
38	M57	Z	-.252	-.252	0	%100
39	M58	X	-.437	-.437	0	%100
40	M58	Z	-.252	-.252	0	%100
41	MP5A	X	-.505	-.505	0	%100
42	MP5A	Z	-.292	-.292	0	%100
43	MP4A	X	-.505	-.505	0	%100
44	MP4A	Z	-.292	-.292	0	%100
45	MP3A	X	-.611	-.611	0	%100
46	MP3A	Z	-.353	-.353	0	%100
47	MP2A	X	-.505	-.505	0	%100
48	MP2A	Z	-.292	-.292	0	%100
49	MP1A	X	-.505	-.505	0	%100
50	MP1A	Z	-.292	-.292	0	%100
51	MP5C	X	-.505	-.505	0	%100
52	MP5C	Z	-.292	-.292	0	%100
53	MP4C	X	-.505	-.505	0	%100
54	MP4C	Z	-.292	-.292	0	%100
55	MP3C	X	-.611	-.611	0	%100
56	MP3C	Z	-.353	-.353	0	%100
57	MP2C	X	-.505	-.505	0	%100
58	MP2C	Z	-.292	-.292	0	%100
59	MP1C	X	-.505	-.505	0	%100
60	MP1C	Z	-.292	-.292	0	%100
61	MP5B	X	-.505	-.505	0	%100
62	MP5B	Z	-.292	-.292	0	%100
63	MP4B	X	-.505	-.505	0	%100
64	MP4B	Z	-.292	-.292	0	%100

Company :
 Designer :
 Job Number :
 Model Name :

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
65	MP3B	X	-.611	-.611	0	%100
66	MP3B	Z	-.353	-.353	0	%100
67	MP2B	X	-.505	-.505	0	%100
68	MP2B	Z	-.292	-.292	0	%100
69	MP1B	X	-.505	-.505	0	%100
70	MP1B	Z	-.292	-.292	0	%100
71	M94	X	-.153	-.153	0	%100
72	M94	Z	-.088	-.088	0	%100
73	M100	X	-.153	-.153	0	%100
74	M100	Z	-.088	-.088	0	%100
75	M106	X	-.611	-.611	0	%100
76	M106	Z	-.353	-.353	0	%100
77	M107	X	-.198	-.198	0	%100
78	M107	Z	-.115	-.115	0	%100
79	M108	X	-.794	-.794	0	%100
80	M108	Z	-.458	-.458	0	%100
81	M109	X	-.198	-.198	0	%100
82	M109	Z	-.115	-.115	0	%100
83	M110	X	-.813	-.813	0	%100
84	M110	Z	-.469	-.469	0	%100
85	M111	X	-.813	-.813	0	%100
86	M111	Z	-.469	-.469	0	%100
87	M112	X	-.245	-.245	0	%100
88	M112	Z	-.141	-.141	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M4	X	-.135	-.135	0	%100
2	M4	Z	-.234	-.234	0	%100
3	M40	X	-.384	-.384	0	%100
4	M40	Z	-.664	-.664	0	%100
5	M41	X	0	0	0	%100
6	M41	Z	0	0	0	%100
7	M42	X	-.384	-.384	0	%100
8	M42	Z	-.664	-.664	0	%100
9	M41A	X	-.541	-.541	0	%100
10	M41A	Z	-.936	-.936	0	%100
11	M42A	X	-.135	-.135	0	%100
12	M42A	Z	-.234	-.234	0	%100
13	M43	X	-.068	-.068	0	%100
14	M43	Z	-.117	-.117	0	%100
15	M44	X	-.068	-.068	0	%100
16	M44	Z	-.117	-.117	0	%100
17	M45	X	-.068	-.068	0	%100
18	M45	Z	-.117	-.117	0	%100
19	M46	X	-.068	-.068	0	%100
20	M46	Z	-.117	-.117	0	%100
21	M47	X	-.27	-.27	0	%100
22	M47	Z	-.469	-.469	0	%100
23	M48	X	-.27	-.27	0	%100
24	M48	Z	-.469	-.469	0	%100

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	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
25	M49	X	-.27	-.27	0	%100
26	M49	Z	-.469	-.469	0	%100
27	M50	X	-.27	-.27	0	%100
28	M50	Z	-.469	-.469	0	%100
29	M51	X	-.068	-.068	0	%100
30	M51	Z	-.117	-.117	0	%100
31	M52	X	-.068	-.068	0	%100
32	M52	Z	-.117	-.117	0	%100
33	M53	X	-.068	-.068	0	%100
34	M53	Z	-.117	-.117	0	%100
35	M54	X	-.068	-.068	0	%100
36	M54	Z	-.117	-.117	0	%100
37	M57	X	-.252	-.252	0	%100
38	M57	Z	-.437	-.437	0	%100
39	M58	X	-.252	-.252	0	%100
40	M58	Z	-.437	-.437	0	%100
41	MP5A	X	-.292	-.292	0	%100
42	MP5A	Z	-.505	-.505	0	%100
43	MP4A	X	-.292	-.292	0	%100
44	MP4A	Z	-.505	-.505	0	%100
45	MP3A	X	-.353	-.353	0	%100
46	MP3A	Z	-.611	-.611	0	%100
47	MP2A	X	-.292	-.292	0	%100
48	MP2A	Z	-.505	-.505	0	%100
49	MP1A	X	-.292	-.292	0	%100
50	MP1A	Z	-.505	-.505	0	%100
51	MP5C	X	-.292	-.292	0	%100
52	MP5C	Z	-.505	-.505	0	%100
53	MP4C	X	-.292	-.292	0	%100
54	MP4C	Z	-.505	-.505	0	%100
55	MP3C	X	-.353	-.353	0	%100
56	MP3C	Z	-.611	-.611	0	%100
57	MP2C	X	-.292	-.292	0	%100
58	MP2C	Z	-.505	-.505	0	%100
59	MP1C	X	-.292	-.292	0	%100
60	MP1C	Z	-.505	-.505	0	%100
61	MP5B	X	-.292	-.292	0	%100
62	MP5B	Z	-.505	-.505	0	%100
63	MP4B	X	-.292	-.292	0	%100
64	MP4B	Z	-.505	-.505	0	%100
65	MP3B	X	-.353	-.353	0	%100
66	MP3B	Z	-.611	-.611	0	%100
67	MP2B	X	-.292	-.292	0	%100
68	MP2B	Z	-.505	-.505	0	%100
69	MP1B	X	-.292	-.292	0	%100
70	MP1B	Z	-.505	-.505	0	%100
71	M94	X	-.265	-.265	0	%100
72	M94	Z	-.458	-.458	0	%100
73	M100	X	0	0	0	%100
74	M100	Z	0	0	0	%100
75	M106	X	-.265	-.265	0	%100
76	M106	Z	-.458	-.458	0	%100

Company :
 Designer :
 Job Number :
 Model Name :

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
77	M107	X	0	0	0	%100
78	M107	Z	0	0	0	%100
79	M108	X	-.344	-.344	0	%100
80	M108	Z	-.595	-.595	0	%100
81	M109	X	-.344	-.344	0	%100
82	M109	Z	-.595	-.595	0	%100
83	M110	X	-.251	-.251	0	%100
84	M110	Z	-.434	-.434	0	%100
85	M111	X	-.578	-.578	0	%100
86	M111	Z	-1.002	-1.002	0	%100
87	M112	X	-.251	-.251	0	%100
88	M112	Z	-.434	-.434	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M42	Y	-.591	-2.764	0	2.206
2	M42	Y	-2.764	-3.932	2.206	4.413
3	M42	Y	-3.932	-4.013	4.413	6.619
4	M42	Y	-4.013	-3.932	6.619	8.826
5	M42	Y	-3.932	-2.764	8.826	11.032
6	M42	Y	-2.764	-.591	11.032	13.239
7	M43	Y	-3.877	-3.94	0	.438
8	M43	Y	-3.94	-4.003	.438	.875
9	M44	Y	-2.887	-2.887	0	.719
10	M45	Y	-2.887	-2.887	0	.719
11	M46	Y	-3.877	-3.94	0	.438
12	M46	Y	-3.94	-4.003	.438	.875
13	M41	Y	-.591	-2.764	0	2.206
14	M41	Y	-2.764	-3.932	2.206	4.413
15	M41	Y	-3.932	-4.013	4.413	6.619
16	M41	Y	-4.013	-3.932	6.619	8.826
17	M41	Y	-3.932	-2.764	8.826	11.032
18	M41	Y	-2.764	-.591	11.032	13.239
19	M47	Y	-3.877	-3.94	0	.437
20	M47	Y	-3.94	-4.003	.437	.875
21	M48	Y	-2.887	-2.887	0	.719
22	M49	Y	-2.887	-2.887	0	.719
23	M50	Y	-3.877	-3.94	0	.437
24	M50	Y	-3.94	-4.003	.437	.875
25	M40	Y	-.591	-2.764	0	2.206
26	M40	Y	-2.764	-3.932	2.206	4.413
27	M40	Y	-3.932	-4.013	4.413	6.619
28	M40	Y	-4.013	-3.932	6.619	8.826
29	M40	Y	-3.932	-2.764	8.826	11.032
30	M40	Y	-2.764	-.591	11.032	13.239
31	M51	Y	-3.877	-3.94	0	.437
32	M51	Y	-3.94	-4.003	.437	.875
33	M52	Y	-2.887	-2.887	0	.719
34	M53	Y	-2.887	-2.887	0	.719
35	M54	Y	-3.877	-3.94	0	.437
36	M54	Y	-3.94	-4.003	.437	.875

Company :
 Designer :
 Job Number :
 Model Name :

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M42	Y	-.404	-3.38	0	2.206
2	M42	Y	-3.38	-4.501	2.206	4.413
3	M42	Y	-4.501	-4.134	4.413	6.619
4	M42	Y	-4.134	-4.501	6.619	8.826
5	M42	Y	-4.501	-3.38	8.826	11.032
6	M42	Y	-3.38	-.404	11.032	13.239
7	M41A	Y	-.366	-3.865	3.812	4.829
8	M41A	Y	-3.865	-3.309	4.829	5.846
9	M41A	Y	-3.309	-.366	5.846	6.862
10	M42A	Y	-.366	-3.865	3.812	4.829
11	M42A	Y	-3.865	-3.309	4.829	5.846
12	M42A	Y	-3.309	-.366	5.846	6.862
13	M43	Y	-8.979	-8.979	.111	.731
14	M44	Y	-9.545	-9.545	.111	.731
15	M45	Y	-9.545	-9.545	.111	.731
16	M46	Y	-8.983	-8.983	.111	.731
17	M4	Y	-.366	-3.865	3.813	4.829
18	M4	Y	-3.865	-3.309	4.829	5.846
19	M4	Y	-3.309	-.366	5.846	6.862
20	M41	Y	-.404	-3.38	0	2.206
21	M41	Y	-3.38	-4.501	2.206	4.413
22	M41	Y	-4.501	-4.134	4.413	6.619
23	M41	Y	-4.134	-4.501	6.619	8.826
24	M41	Y	-4.501	-3.38	8.826	11.032
25	M41	Y	-3.38	-.404	11.032	13.239
26	M47	Y	-8.983	-8.983	.111	.731
27	M48	Y	-9.545	-9.545	.111	.731
28	M49	Y	-9.545	-9.545	.111	.731
29	M50	Y	-8.979	-8.979	.111	.731
30	M40	Y	-.404	-3.38	0	2.206
31	M40	Y	-3.38	-4.501	2.206	4.413
32	M40	Y	-4.501	-4.134	4.413	6.619
33	M40	Y	-4.134	-4.501	6.619	8.826
34	M40	Y	-4.501	-3.38	8.826	11.032
35	M40	Y	-3.38	-.404	11.032	13.239
36	M51	Y	-8.979	-8.979	.111	.731
37	M52	Y	-9.545	-9.545	.111	.731
38	M53	Y	-9.545	-9.545	.111	.731
39	M54	Y	-8.983	-8.983	.111	.731

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N39A	N41	N30	N19	Y	Two Way	-.005
2	N47	N49	N6	N31	Y	Two Way	-.005
3	N55	N57	N18	N7	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N174	N176	N29	N17	Y	Two Way	-.01
2	N172	N176	N29	N5	Y	Two Way	-.01

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 Designer :
 Job Number :
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Member Area Loads (BLC 40 : Structure Di) (Continued)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
3	N172	N174	N17	N5	Y	Two Way	-.01

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N3	max	1013.928	10	344.394	19	7982.748	1	.63	1	2.153	4	.485	5
2		min	-1012.932	4	-15.419	1	-4991.336	7	-.298	7	-2.149	10	-.485	11
3	N31A	max	6403.266	9	104.258	3	2168.621	3	-.039	2	1.946	12	-.067	2
4		min	-3816.161	3	-28.311	9	-3662.611	9	-.123	20	-1.945	6	-.213	20
5	N33A	max	4057.009	11	109.263	11	2387.321	11	-.038	10	1.909	8	.212	16
6		min	-6652.282	5	-42.09	41	-3887.157	5	-.122	16	-1.904	2	.066	10
7	N173	max	44.659	10	2552.875	13	-70.732	7	0	51	0	12	0	6
8		min	-44.61	4	47.398	7	-6257.026	13	0	1	0	6	0	12
9	N175	max	-222.173	3	2537.45	21	3109.025	21	0	10	0	4	0	4
10		min	-5385.313	21	121.762	3	128.296	3	0	4	0	10	0	10
11	N177	max	5438.315	17	2561.943	17	3140.131	17	0	4	0	4	0	4
12		min	97.91	11	64.333	11	56.507	11	0	10	0	10	0	10
13	Totals:	max	6623.188	10	7423.915	23	6727.212	1						
14		min	-6623.188	4	3426.275	5	-6727.21	7						

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

	Member	Shape	Code C...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y...	phi*Mn z...	Cb	Eqn
1	M4	HSS4X4X3	.285	6.195	10	.079	5.004	y	13	84528.658	106812	12.662	12.662	2...	H1-1b
2	M40	HSS4X4X3	.203	0	5	.075	0	y	11	52759.678	106812	12.662	12.662	3...	H1-1b
3	M41	HSS4X4X3	.199	0	9	.072	0	y	3	52759.678	106812	12.662	12.662	3...	H1-1b
4	M42	HSS4X4X3	.203	13.239	1	.075	13.239	y	6	52759.678	106812	12.662	12.662	3...	H1-1b
5	M41A	HSS4X4X3	.284	6.195	6	.079	5.004	y	21	84528.658	106812	12.662	12.662	2...	H1-1b
6	M42A	HSS4X4X3	.274	6.195	2	.079	5.004	y	17	84528.658	106812	12.662	12.662	2...	H1-1b
7	M43	L2x2x4	.012	.875	22	.002	.875	z	22	29422.979	30585.6	.691	1.577	2...	H2-1
8	M44	L2x2x4	.012	.875	22	.002	.875	z	22	29422.979	30585.6	.691	1.577	2...	H2-1
9	M45	L2x2x4	.012	.875	16	.002	.875	y	23	29422.979	30585.6	.691	1.577	2...	H2-1
10	M46	L2x2x4	.012	.875	16	.002	.875	y	23	29422.979	30585.6	.691	1.577	2...	H2-1
11	M47	L2x2x4	.012	.875	18	.002	.875	z	24	29422.979	30585.6	.691	1.577	2...	H2-1
12	M48	L2x2x4	.012	.875	18	.002	.875	z	24	29422.979	30585.6	.691	1.577	2...	H2-1
13	M49	L2x2x4	.012	.875	24	.002	.875	y	24	29422.979	30585.6	.691	1.577	2...	H2-1
14	M50	L2x2x4	.012	.875	24	.002	.875	y	24	29422.979	30585.6	.691	1.577	2...	H2-1
15	M51	L2x2x4	.012	.875	14	.002	.875	z	23	29422.979	30585.6	.691	1.577	2...	H2-1
16	M52	L2x2x4	.012	.875	14	.002	.875	z	23	29422.979	30585.6	.691	1.577	2...	H2-1
17	M53	L2x2x4	.012	.875	20	.002	.875	y	23	29422.979	30585.6	.691	1.577	2...	H2-1
18	M54	L2x2x4	.012	.875	20	.002	.875	y	23	29422.979	30585.6	.691	1.577	2...	H2-1
19	M57	PIPE 2.0	.189	2.734	12	.022	2.734		12	27741.09	32130	1.872	1.872	1...	H1-1b
20	M58	PIPE 2.0	.189	2.734	12	.022	2.734		12	27741.09	32130	1.872	1.872	1...	H1-1b
21	MP5A	PIPE 2.0	.301	4.781	9	.076	4.87		4	13511.278	32130	1.872	1.872	1...	H1-1b
22	MP4A	PIPE 2.0	.364	4.781	10	.079	2.922		9	13511.278	32130	1.872	1.872	1...	H1-1b
23	MP3A	PIPE 2.5	.264	4.958	4	.074	2.922		10	28077.395	50715	3.596	3.596	1...	H1-1b
24	MP2A	PIPE 2.0	.338	4.873	5	.090	4.873		6	13915.378	32130	1.872	1.872	1...	H1-1b
25	MP1A	PIPE 2.0	.264	4.87	6	.076	4.958		10	13511.278	32130	1.872	1.872	1...	H1-1b
26	MP5C	PIPE 2.0	.317	4.781	5	.076	4.87		1	13511.278	32130	1.872	1.872	1...	H1-1b
27	MP4C	PIPE 2.0	.372	4.781	6	.083	2.922		5	13511.278	32130	1.872	1.872	1...	H1-1b
28	MP3C	PIPE 2.5	.270	4.958	12	.075	2.922		6	28077.395	50715	3.596	3.596	1...	H1-1b

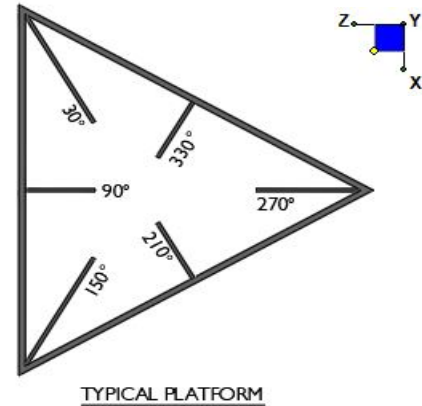
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	Member	Shape	Code C...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
29	MP2C	PIPE 2.0	.344	4.873	12	.084	4.873		2	13915.378	32130	1.872	1.872	1...	H1-1b
30	MP1C	PIPE 2.0	.254	4.87	1	.075	4.958		7	13511.278	32130	1.872	1.872	1...	H1-1b
31	MP5B	PIPE 2.0	.311	4.781	1	.075	4.87		8	13511.278	32130	1.872	1.872	1...	H1-1b
32	MP4B	PIPE 2.0	.358	4.781	1	.081	2.922		1	13511.278	32130	1.872	1.872	1...	H1-1b
33	MP3B	PIPE 2.5	.255	4.958	8	.070	2.922		2	28077.395	50715	3.596	3.596	1...	H1-1b
34	MP2B	PIPE 2.0	.326	4.873	9	.089	4.873		10	13915.378	32130	1.872	1.872	1...	H1-1b
35	MP1B	PIPE 2.0	.260	4.87	10	.075	4.958		2	13511.278	32130	1.872	1.872	1...	H1-1b
36	M94	PIPE 2.5	.203	7.042	7	.108	10.969		7	13460.421	50715	3.596	3.596	1...	H1-1b
37	M100	PIPE 2.5	.217	6.906	4	.103	10.969		3	13460.421	50715	3.596	3.596	1...	H1-1b
38	M106	PIPE 2.5	.210	6.906	12	.109	10.969		11	13460.421	50715	3.596	3.596	1...	H1-1b
39	M107	L3X3X6	.278	2.453	5	.037	0	y	12	59724.972	68364	2.307	5.322	1...	H2-1
40	M108	L3X3X6	.280	2.453	1	.035	0	y	8	59724.972	68364	2.307	5.322	1...	H2-1
41	M109	L3X3X6	.268	2.453	9	.037	0	y	4	59724.972	68364	2.307	5.322	1...	H2-1
42	M110	LL3x3x3x6	.146	0	13	.003	0	y	12	46295.555	70632	6.362	3.751	1	H1-1b*
43	M111	LL3x3x3x6	.145	0	21	.003	5.385	z	12	46295.555	70632	6.362	3.751	1	H1-1b*
44	M112	LL3x3x3x6	.146	0	17	.003	5.385	z	8	46295.555	70632	6.362	3.751	1	H1-1b*

I. Mount-to-Tower Connection Check

RISA Model Data

Nodes (labeled per RISA)	Orientation (per graphic of typical platform)
N3	270
N33A	150
N31A	30



Tower Connection Bolt Checks

Any moment resistance?:

Bolt Quantity per Reaction:

d_x (in) (Delta X of typ. bolt config. sketch) :

d_y (in) (Delta Y of typ. bolt config. sketch) :

Bolt Type:

Bolt Diameter (in):

Required Tensile Strength (kips):

Required Shear Strength (kips):

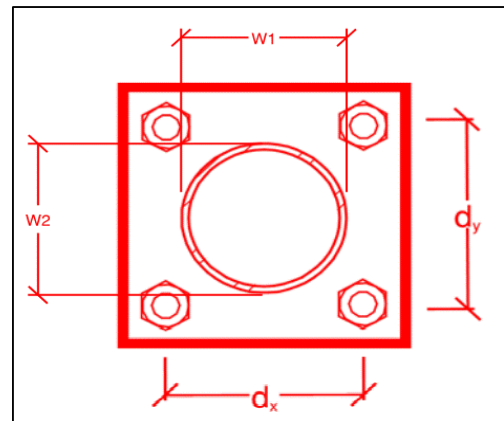
Tensile Strength / bolt (kips):

Shear Strength / bolt (kips):

Tensile Capacity Overall:

Shear Capacity Overall:

yes
4
3
8
A307
0.75
4.1
19.0
14.4
8.6
7.1%*
55.1%



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

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:

Plate Width (in):

Plate Height (in):

W1 (in):

W2 (in):

Fy (ksi, plate):

t_{plate} (in):

Weld Size (1/16 in):

$\Phi \cdot R_n$ (kip/in):

Required Weld Strength (kip/in):

Plate Bending Capacity:

Weld Capacity:

Rect
6
10
4
4
36
0.5
3
4.18
1.32
72.3%
31.7%

Max Plate Bending Strengths

Mu_{xx} (kip-in) :	9.0
$\Phi \cdot Mn_{xx}$ (kip-in) :	12.2
Mu_{yy} (kip-in) :	-0.4
$\Phi \cdot Mn_{yy}$ (kip-in) :	20.3

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

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

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

Base Requirements:

- Any special photos outside of the standard requirements will be indicated on the drawings
- Provide “as built drawings” showing contractor’s name, preparer’s signature, and date. Any deviations from the drawings (proposed modification) must be shown.
- Notation that all hardware was properly installed, and the existing hardware was inspected for any issues.
- Verification that loading is as communicated in the modification drawings. NOTE If loading is different than what is conveyed in the modification drawing contact Maser Consulting Connecticut immediately.
- Each photo should be time and date stamped
- Photos should be high resolution and submitted in a Zip File and should be organized in the file structure as depicted in Schedule A attached.
- Contractor shall ensure that the safety climb wire rope is supported and not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope.
- The photos in the file structure should be uploaded to <https://pmi.vzwsmart.com> as depicted on the drawings

Photo Requirements:

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

- Photos taken at Mount Elevation

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

Material Certification:

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

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

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

Certifying Individual: Company _____

Name _____

Signature _____

Antenna & equipment placement and Geometry Confirmation:

- The contractor must certify that the antenna & equipment placement and geometry is in accordance with the antenna placement diagrams as included in this mount analysis.
- ☐ The contractor certifies that the photos support and the equipment on the mount is as depicted on the antenna placement diagrams as included in this mount analysis.
- ☐ The contractor notes that the equipment on the mount is not in accordance with the antenna placement diagrams and has accordingly marked up the diagrams or provided a diagram outlining the differences.

Certifying Individual: Company _____

 Name _____

 Signature _____

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

Issue:

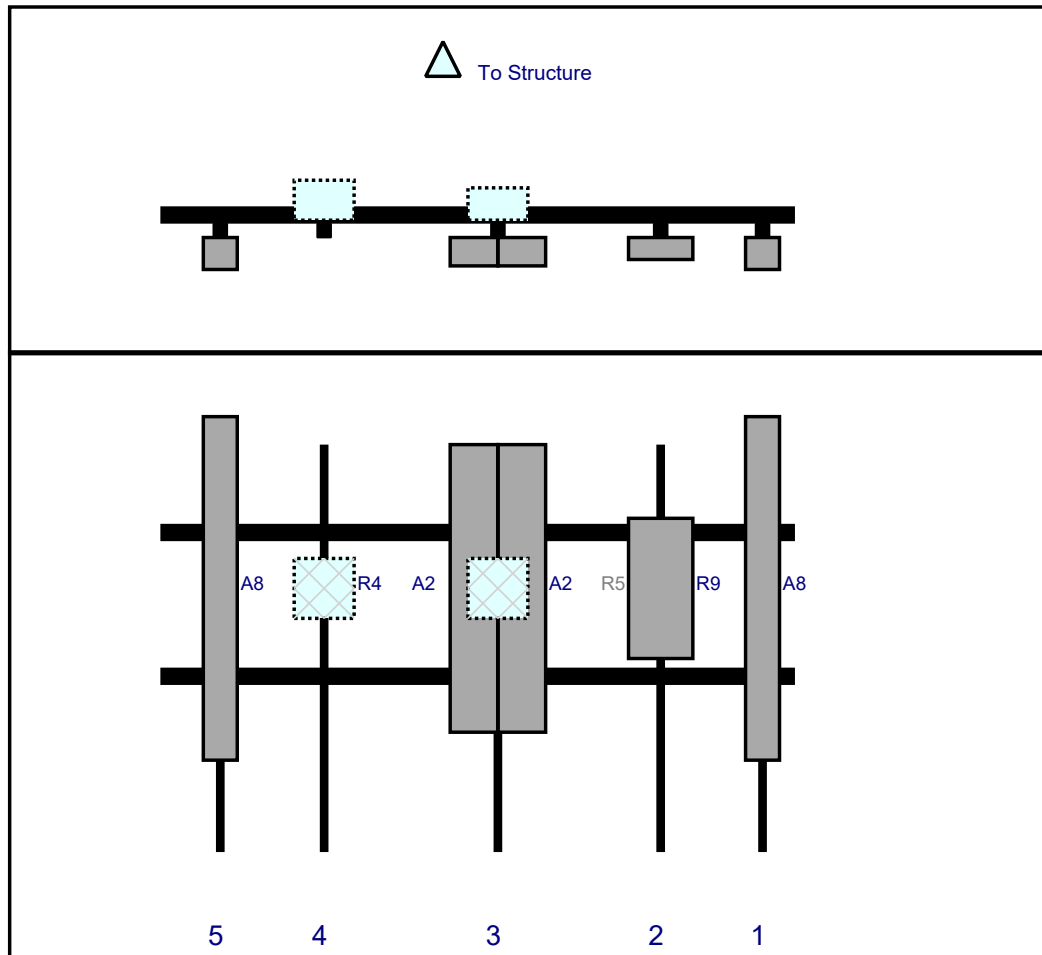
Contractor to install proposed OVP on existing equipment pipe between Beta & Gamma sector.
Contractor shall install new safety climb wire rope guides to the existing mount collar assemblies to prevent interference with mount connection.

Response:

Schedule A – Photo & Document File Structure

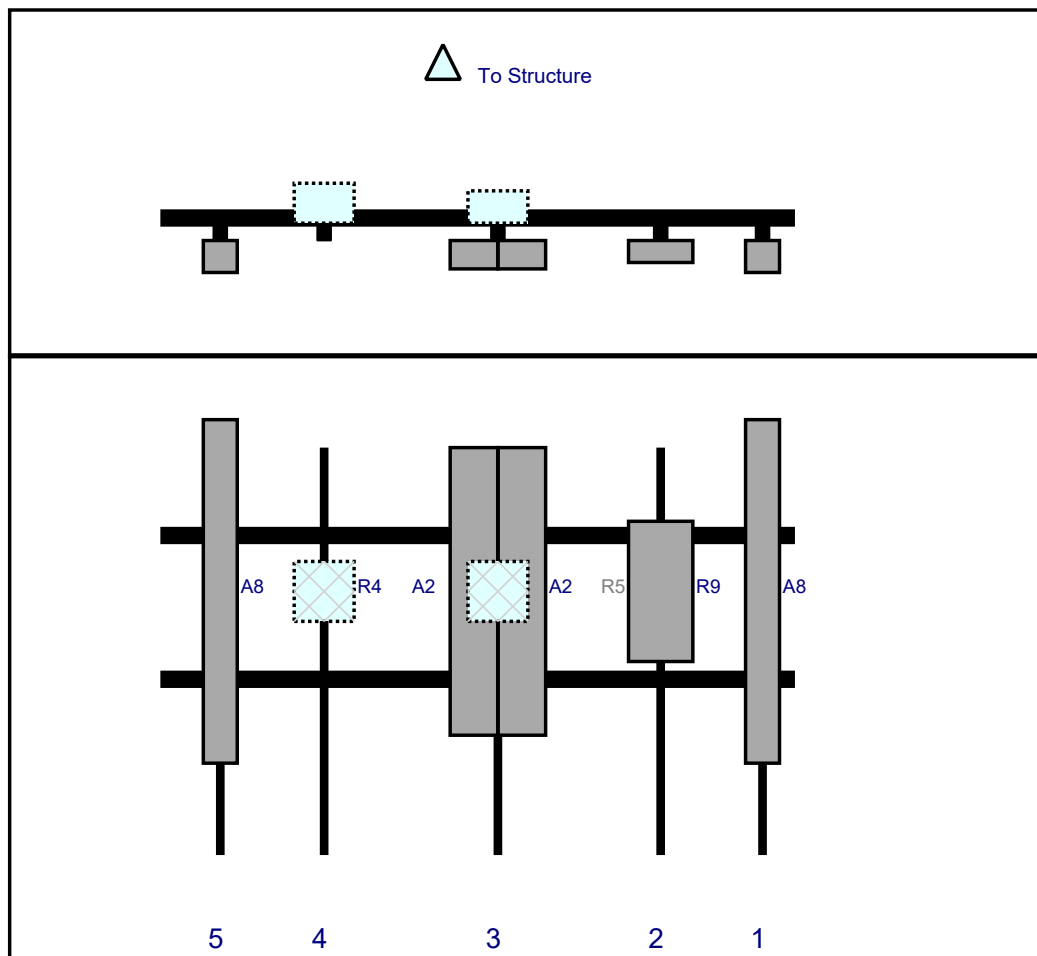
-  VzW Site Number / Name
 -  Base & “During Installation” Photos
 -  Pre-Installation Photos
 -  Alpha
 -  Beta
 -  Gamma
 -  Ground Level
 -  Tape Drop
 -  Post-Installation Photos
 -  Alpha
 -  Beta
 -  Gamma
 -  Ground Level
 -  Tape Drop
 -  Photos of climbing facility and safety climb – If Present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

Plan view

Front view
Looking at Structure

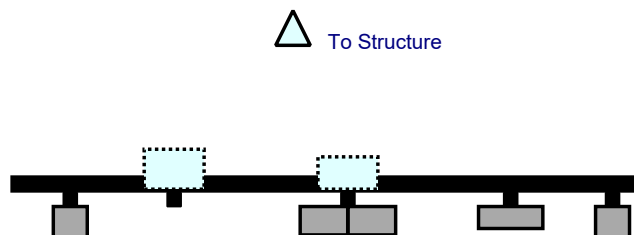
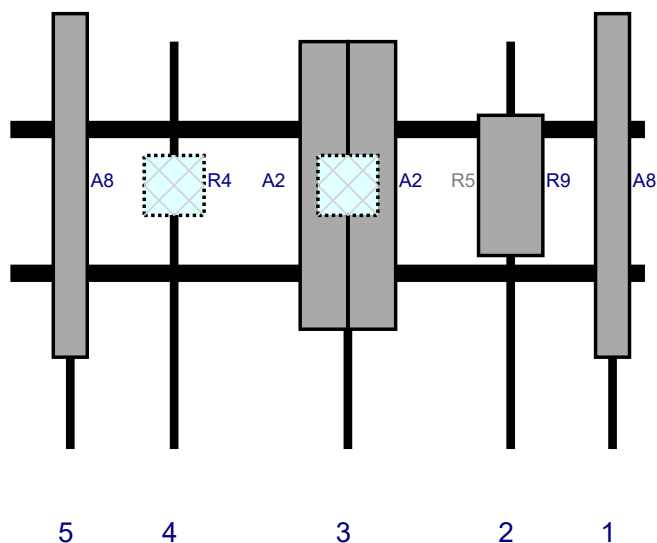
Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	SCE6016REV2	86	8.5	150.75	1	a	Front	36	0	Retained	11/11/2020
R2	MT6407-77A	35.1	16.1	125.25	2	a	Front	36	0	Added	
A4	NHH-65B-R2B	72	11.9	84.5	3	a	Front	36	6	Added	
A4	NHH-65B-R2B	72	11.9	84.5	3	b	Front	36	-6	Added	
R7	B5/B13 RRH-BR04C (REV0411.D3A)	15	15	84.5	3	a	Behind	36	0	Added	
R6	B2/B66A RRH-BR049 (REV0411.D4A)	15	15	41	4	a	Behind	36	0	Added	
A1	SCE6016REV2	86	8.5	15	5	a	Front	36	0	Retained	11/11/2020

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	SCE6016REV2	86	8.5	150.75	1	a	Front	36	0	Retained	11/11/2020
R2	MT6407-77A	35.1	16.1	125.25	2	a	Front	36	0	Added	
A4	NHH-65B-R2B	72	11.9	84.5	3	a	Front	36	6	Added	
A4	NHH-65B-R2B	72	11.9	84.5	3	b	Front	36	-6	Added	
R7	B5/B13 RRH-BR04C (REV0411.D34)	15	15	84.5	3	a	Behind	36	0	Added	
R6	B2/B66A RRH-BR049 (REV0411.D14)	15	15	41	4	a	Behind	36	0	Added	
A1	SCE6016REV2	86	8.5	15	5	a	Front	36	0	Retained	11/11/2020

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	SCE6016REV2	86	8.5	150.75	1	a	Front	36	0	Retained	11/11/2020
R2	MT6407-77A	35.1	16.1	125.25	2	a	Front	36	0	Added	
A4	NHH-65B-R2B	72	11.9	84.5	3	a	Front	36	6	Added	
A4	NHH-65B-R2B	72	11.9	84.5	3	b	Front	36	-6	Added	
R7	B5/B13 RRH-BR04C (REV0411.03A)	15	15	84.5	3	a	Behind	36	0	Added	
R6	B2/B66A RRH-BR049 (REV0411.04A)	15	15	41	4	a	Behind	36	0	Added	
A1	SCE6016REV2	86	8.5	15	5	a	Front	36	0	Retained	11/11/2020

Maser Consulting Connecticut

Subject

TIA-222-H Usage

Site Information

Site ID: 467468-VZW
Site Name: Mansfield SW CT
Carrier Name: Verizon Wireless
Address: 138 Main St, Coventry,
Connecticut 06238,
Tolland County

Latitude: 41.752483°
Longitude: -72.269047°

Structure Information

Tower Type: Monopole
Mount Type: Platform

To Whom It May Concern,

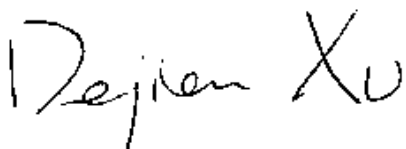
We respectfully submit the above referenced Antenna Mount Structural Analysis report in conformance with ANSI/TIA-222-H, Structural Standard for Antenna Supporting Structures and Antennas and Small Wind Turbine Support Structures.

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

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

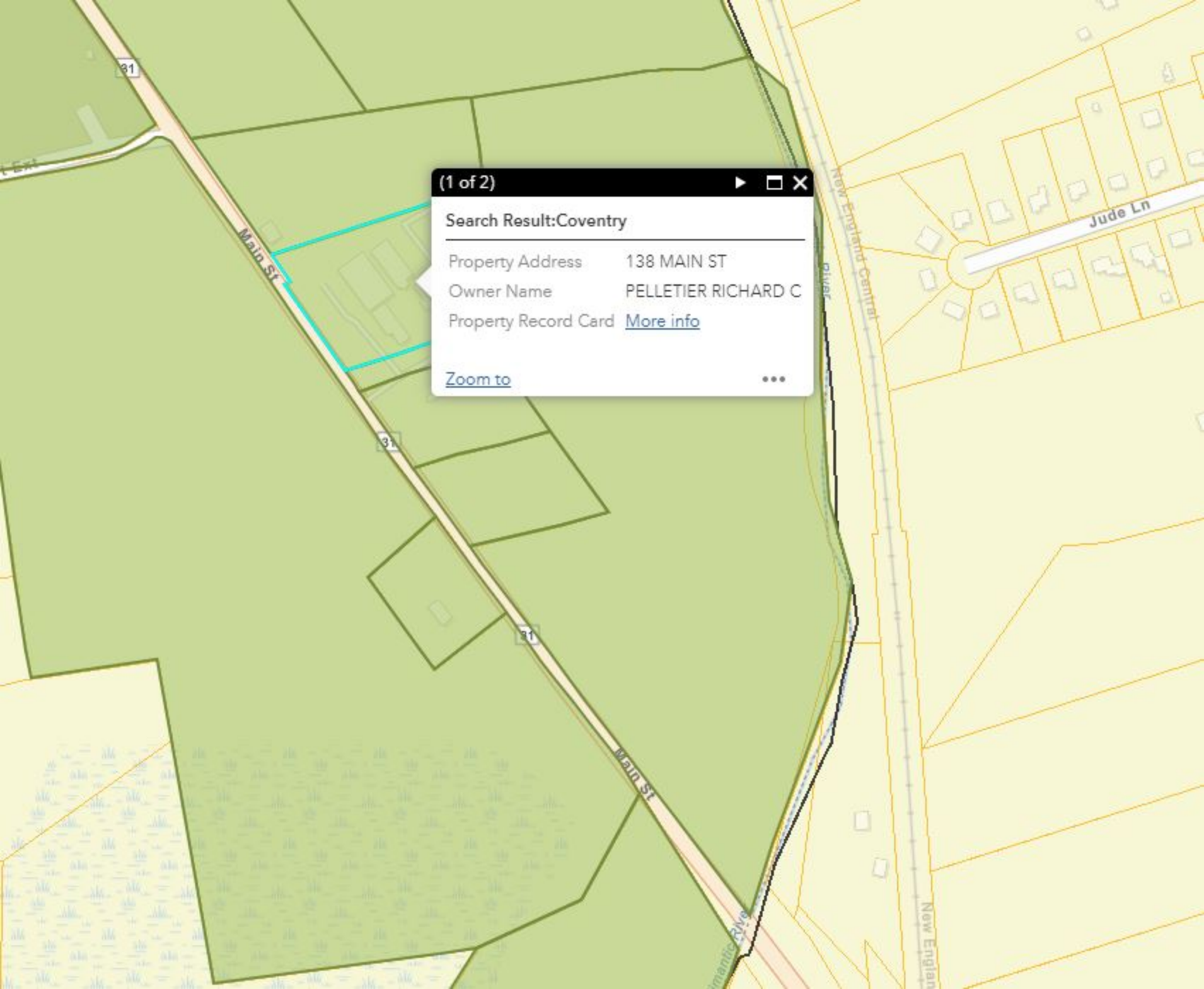
The TIA-222-H standard clarifies these specific requirements for the antenna mount analysis such as modeling methods, seismic analysis, 30-degree increment wind directions and maintenance loading. Therefore, it is our opinion that TIA-222-H is the most appropriate standard for antenna mount structural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

Sincerely,



Dejian Xu, PE
Technical Specialist

ATTACHMENT 5



(1 of 2)



Search Result:Coventry

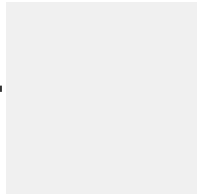
Property Address 138 MAIN ST
Owner Name PELLETIER RICHARD C
Property Record Card [More info](#)

[Zoom to](#)





Coventry, CT



138 MAIN ST

Location

138 MAIN ST

Mblu

49/ / 37/ /

Acct#

R04401

Owner

PELLETIER RICHARD C

PBN

Assessment

\$826,900

Appraisal

\$1,181,000

PID

4210

Building Count

2

Current Value

Appraisal

Valuation Year	Improvements	Land	Total
2019	\$434,600	\$746,400	\$1,181,000

Assessment

Valuation Year	Improvements	Land	Total
2019	\$304,400	\$522,500	\$826,900

Owner of Record**Owner** PELLETIER RICHARD C**Co-Owner****Address** 138 MAIN ST
COVENTRY, CT 06238**Sale Price** \$0**Certificate****Book & Page** 0167/0180**Sale Date** 06/07/1976**Instrument** 29

Ownership History

Ownership History

Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
PELLETIER RICHARD C	\$0		0167/0180	29	06/07/1976

Building Information

Building 1 : Section 1

Year Built: 1988**Living Area:** 9,938**Replacement Cost:** \$486,863**Building Percent Good:** 70**Replacement Cost****Less Depreciation:** \$340,800**Building Attributes**

Field	Description
Style	Office/Warehs
Model	Comm/Ind
Grade	C
Stories:	1
Occupancy	1.00
Exterior Wall 1	Stucco on Mas.

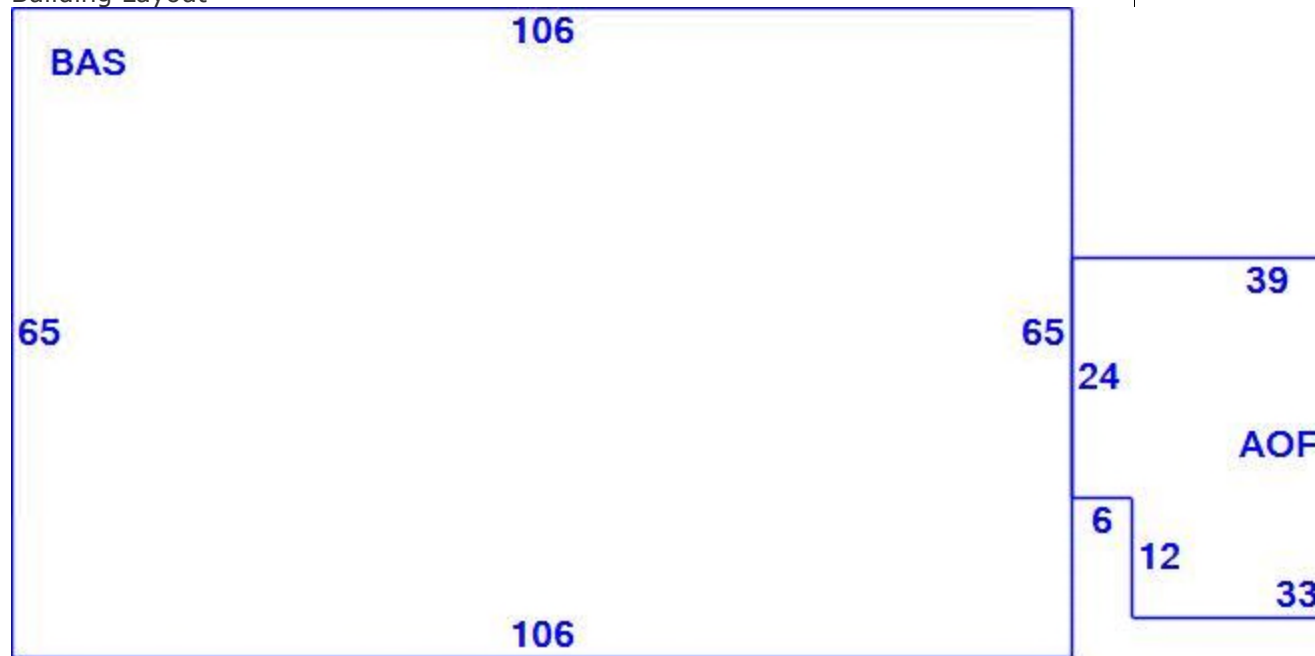
Exterior Wall 2	Pre-finsh Metl
Roof Structure	Gable
Roof Cover	Asphalt Shingl
Interior Wall 1	Drywall
Interior Wall 2	Minimum
Interior Floor 1	Cement
Interior Floor 2	Asphalt Tile
Heating Fuel	Gas
Heating Type	Forced Air
AC Type	None/partial
Struct Class	
Bldg Use	Commercial Improv
Total Rooms	0
Usrflid 216	
Total Baths	
Usrflid 218	
Usrflid 219	
1st Floor Use:	201
Heat/AC	HEAT ONLY
Frame Type	MASONRY
Baths/Plumbing	AVERAGE
Ceiling/Wall	CEIL & MIN WL
Rooms/Prtns	AVERAGE
Wall Height	16.00
% Comn Wall	0.00
Usrflid 100	
Usrflid 302	

Usrflid 301	
Usrflid 303	
Usrflid 103	
Usrflid 107	
Usrflid 304	
Usrflid 104	
Usrflid 105	
Usrflid 101	
Usrflid 225	
Usrflid 300	
Usrflid 220	
Usrflid 221	
Usrflid 102	
Usrflid 701	
Usrflid 106	
Usrflid 305	
Usrflid 900	No
Usrflid 901	No

Building Photo



Building Layout



Building Sub-Areas (sq ft) Legend

Code	Description	Gross Area	Living Area
BAS	First Floor	6,890	6,890
AOF	Office, (Average)	3,048	3,048
		9,938	9,938

Building 2 : Section 1

Year Built:	1988
Living Area:	3,640
Replacement Cost:	\$99,992
Building Percent Good:	56
Replacement Cost Less Depreciation:	\$56,000

Building Attributes : Bldg 2 of 2

Field	Description
Style	Warehouse

Model	Comm/Ind
Grade	D+
Stories:	1
Occupancy	1.00
Exterior Wall 1	Pre-finish Metal
Exterior Wall 2	
Roof Structure	Shed
Roof Cover	Metal/Tin
Interior Wall 1	Minimum
Interior Wall 2	
Interior Floor 1	Cement
Interior Floor 2	
Heating Fuel	None
Heating Type	None
AC Type	None/partial
Struct Class	
Bldg Use	Commercial Improv
Total Rooms	0
Usrflid 216	
Total Baths	
Usrflid 218	
Usrflid 219	
1st Floor Use:	201
Heat/AC	HEAT ONLY
Frame Type	STEEL
Baths/Plumbing	AVERAGE
Ceiling/Wall	CEIL & MIN WL

Rooms/Prtns	AVERAGE
Wall Height	10.00
% Comn Wall	0.00
Usrflld 100	
Usrflld 302	
Usrflld 301	
Usrflld 303	
Usrflld 103	
Usrflld 107	
Usrflld 304	
Usrflld 104	
Usrflld 105	
Usrflld 101	
Usrflld 225	
Usrflld 300	
Usrflld 220	
Usrflld 221	
Usrflld 102	
Usrflld 701	
Usrflld 106	
Usrflld 305	
Usrflld 900	No
Usrflld 901	No

Building Photo



Building Layout

BAS

91

40

91

Building Sub-Areas (sq ft) Legend

Code	Description	Gross Area	Living Area
BAS	First Floor	3,640	3,640
UST	Utility, Storage, Unfinished	187	0
		3,827	3,640

Extra Features

Extra Features Legend

Code	Description	Size	Value	Bldg #
A/C	Air Condition	1716.00 S.F.	\$2,400	1
MEZ1	Mezzanine-Unf	144.00 S.F.	\$800	1

Land

Land Use

Use Code 201

Description Commercial Improv

Zone RD

Neighborhood C

Alt Land Appr No

Category

Land Line Valuation

Size (Acres) 1.83

Frontage

Depth

Assessed Value \$522,500

Appraised Value \$746,400

Outbuildings

Outbuildings Legend

Code	Description	Sub Code	Sub Description	Size	Value	Bldg #
PAV1	Paving			15700.00 S.F.	\$19,800	1
SHD1	Shed			225.00 S.F.	\$2,100	1
FN9	Fence-Average			800.00 S.F.	\$2,700	1
TNK1	Elevated Tank			6000.00 GALS	\$10,000	1

Valuation History

Appraisal

Valuation Year	Improvements	Land	Total
2018	\$392,800	\$746,400	\$1,139,200
2018	\$392,800	\$746,400	\$1,139,200
2017	\$392,800	\$746,400	\$1,139,200

Assessment

Valuation Year	Improvements	Land	Total
2018	\$275,000	\$522,500	\$797,500
2018	\$275,000	\$522,500	\$797,500
2017	\$275,000	\$522,500	\$797,500

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closecloseclose

ATTACHMENT 6



MANSFIELD SW
Certificate of Mailing — Firm

Name and Address of Sender Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103	TOTAL NO. of Pieces Listed by Sender 3	TOTAL NO. of Pieces Received at Post Office™ 3	Affix Stamp Here <i>Postmark with Date of Receipt.</i> neopost [®] 06/23/2021 US POSTAGE \$002.89 ⁰⁰ ZIP 06103 041L12203937			
	Postmaster, per (name of receiving employee) J.P.					
USPS® Tracking Number Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)		Postage	Fee	Special Handling	Parcel Airlift
1.	John Elsesser, Town Manager Town of Coventry 1712 Main Street Coventry, CT 06615					
2.	Eric Trott, Director of Land Use Town of Coventry 1712 Main Street Coventry, CT 06615					
3.	Richard Pelletier 138 Main Street Coventry, CT 06238					
4.						
5.						
6.						

