Robinson+Cole

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Also admitted in Massachusetts and New York

March 14, 2022

Via Electronic Mail

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

Re: **Notice of Exempt Modification – Facility Modification**
Newgate Road, East Granby, 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 associated equipment on the ground near the base of the tower. The tower is owned by the Connecticut Airport Authority ("CAA"). Cellco's site acquisition consultant reached out the CAA in an effort to obtain a copy of any original tower approvals. CAA officials explained that the tower was exempt from municipal zoning and building code requirements. Copies of the original permits for the tower was therefore not available. Cellco's shared use of the tower was approved by the Siting Council ("Council") in October of 1994. A copy of the Council's shared use approval is included in Attachment 1.

Cellco now intends to modify its facility by replacing nine (9) existing antennas with three (3) new Samsung MT6407-77A antennas and six (6) NHH-65B-R2B antennas on Cellco's modified antenna platform. Cellco also intends to replace six (6) remote radio heads ("RRHs') with six (6) new RRHs behind its antennas. A set of project plans showing Cellco's proposed facility modifications and the specifications for Cellco's new antennas and RRHs 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 East Granby's Chief Elected Official, Land Use Officer, and Paul Lavallee of the CAA.

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 General Power Density table for Cellco's modified facility is included in Attachment 3. The modified facility will be capable of providing Cellco's 5G wireless service.

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

6. According to the attached Structural Analysis ("SA") and Mount Analysis ("MA"), the existing tower, tower foundation and modified antenna platform, with certain modifications, can support Cellco's proposed modifications. Copies of the SA and MA are included in Attachment 4.

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

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

Sincerely,

Kenneth C. Baldwin

Enclosures
Copy to:
Eden Wimpfheimer, East Granby First Selectwoman
Gary Haynes, Director of Community Development
Connecticut Airport Authority, Property Owner
Karla Hanna, Verizon Wireless

ATTACHMENT 1

STATE OF CONNECTICUT

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

October 21, 1994

David S. Malko
Bell Atlantic Mobile
20 Alexander Drive
P.O. Box 5029
Wallingford, CT 06492

RE: Metro Mobile CTS of Hartford, Inc., notice of intent to install antennas and associated equipment on an existing tower owned by the State of Connecticut located on Newgate Road in East Granby, Connecticut.

Dear Mr. Malko:

At a meeting held October 20, 1994, the Connecticut Siting Council (Council) acknowledged your notice of an exempt modification at an existing tower site located on Newgate Road off the Metacomet Trail on Peak Mountain in East Granby, Connecticut, pursuant to section 16-50j-73 of the Regulations of State Agencies (RSA).

The proposed modification is to be implemented as specified in your notice dated September 28, 1994. The modification is in compliance with the exception criteria in RSA section 16-50j-72(b) as changes to an existing facility that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by 6 decibels, and increase the total radio frequency electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to section 22a-162 of the Connecticut General Statutes.

This shared use of an existing tower protects the public interest by avoiding proliferation of additional unnecessary tower structures.

Please notify the Council when all work is complete.

Very truly yours,

Mortimer A. Gelston
Chairman

MAG/SMH/ss

cc: Honorable Charles Chatey, Town of East Granby

siting\exmod\mm\egran\dc102094.doc

ATTACHMENT 2

WIRELESS COMMUNICATIONS FACILITY

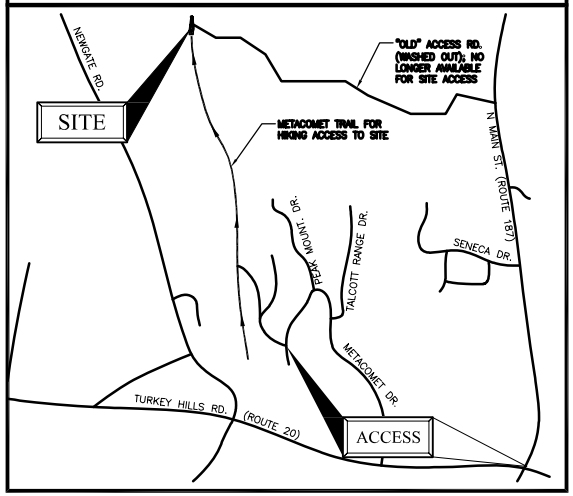
SITE NAME:
E GRANBY CT

CT DOT MONOPOLE
116 NEWGATE RD.
EAST GRANBY, CT 06026

ANTENNA MODIFICATION

PROJECT SUMMARY	
SITE NAME:	E GRANBY CT
SITE ADDRESS:	116 NEWGATE RD. ACCESS OFF PEAK MOUNTAIN DR. EAST GRANBY, CT 06026
PROPERTY OWNER:	CONNECTICUT AIRPORT AUTHORITY BRADLEY INTERNATIONAL AIRPORT WINDSOR LOCKS, CT 06096
PARCEL ID:	08-060
COORDINATES:	41° 57' 41.9472" N 72° 44' 24.5214" W
VERIZON CONSTRUCTION:	WALTER CHARCZYNSKI (860) 306-1806
VERIZON REAL ESTATE:	ALEX TYURIN (860) 550-3195

AERIAL MAP



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

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WIRELESS COMMUNICATIONS FACILITY

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WALLINGFORD, CT 06492

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LICENSURE

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

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

SUBMITTALS

NO	DATE	DESCRIPTION
0	03.12.21	REVIEW
1	01.31.22	REVISED PER STRUCTURAL ANALYSES

DRAWN BY:	MF
CHECKED BY:	DW

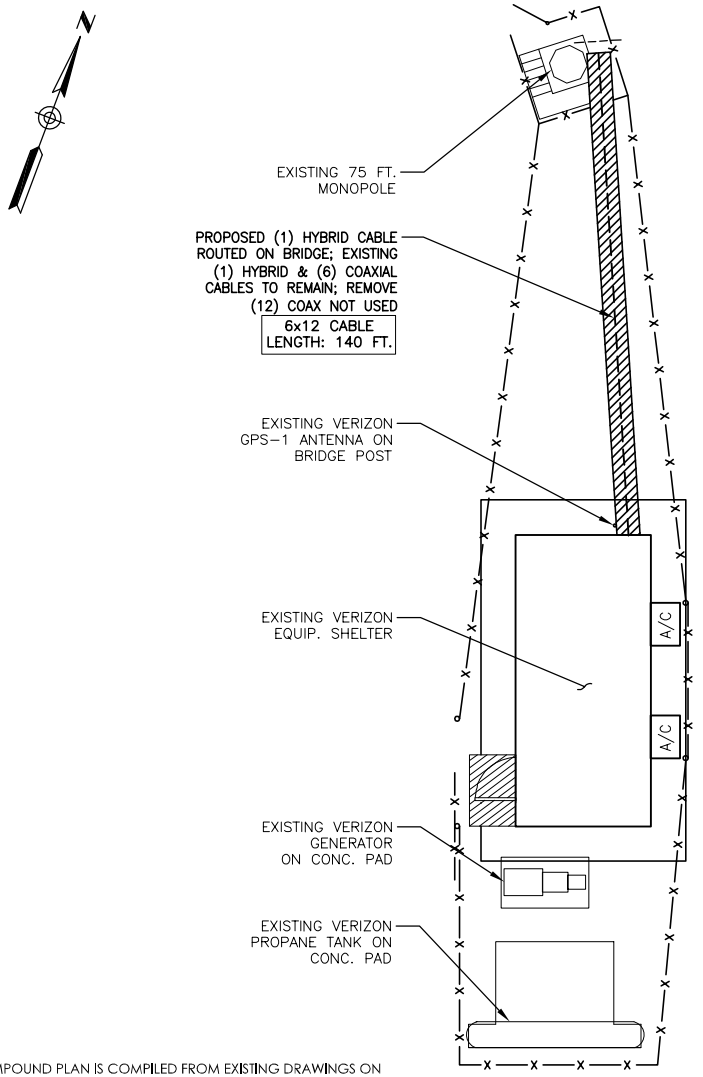
PROJECT NAME:
ANTMO
MT6407-850-LTE-PCS
DESIGN EXHIBITS

SITE NAME:
E GRANBY CT

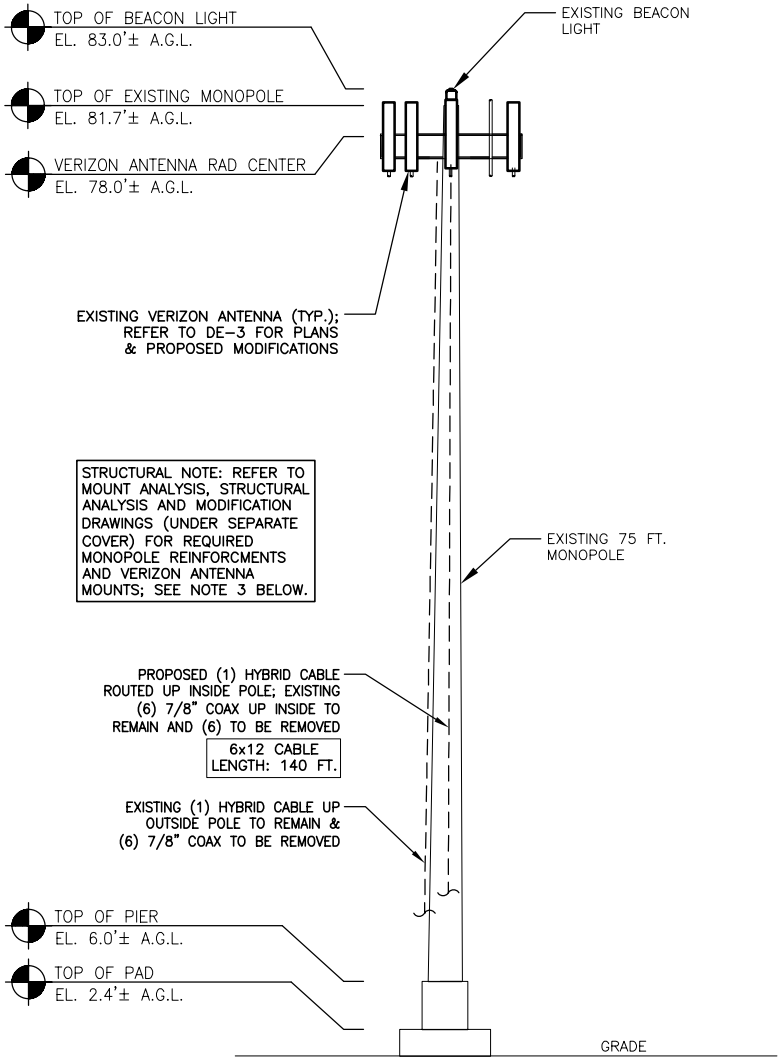
SITE ADDRESS:
CT DOT MONOPOLE
116 NEWGATE RD.
EAST GRANBY, CT 06026

SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
DE-1



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



2 DE-2 ELEVATION
Scale: NTS

NOTES:
1. COMPOUND PLAN IS COMPILED FROM EXISTING DRAWINGS ON FILE WITH THE CT SITING COUNCIL AND A LIMITED DESIGN VISIT ON 03-03-21 FOR A PROPOSED VERIZON ANTENNA MODIFICATION.
2. PLANS ARE DIAGRAMMATIC ONLY AND NOT TO BE SCALED.
3. REFER TO STRUCTURAL TOWER AND MOUNT ANALYSIS REPORTS, BY OTHERS UNDER SEPARATE COVER, FOR ANY REQUIRED TOWER & MOUNT REINFORCEMENTS, WHICH MUST BE PERFORMED PRIOR TO ANY OTHER VERIZON ANTENNA MODIFICATIONS. VEHICULAR ACCESS TO THE SITE IS NOT POSSIBLE AND ALL STRUCTURAL COMPONENTS & MATERIAL MUST BE FLOWN IN.

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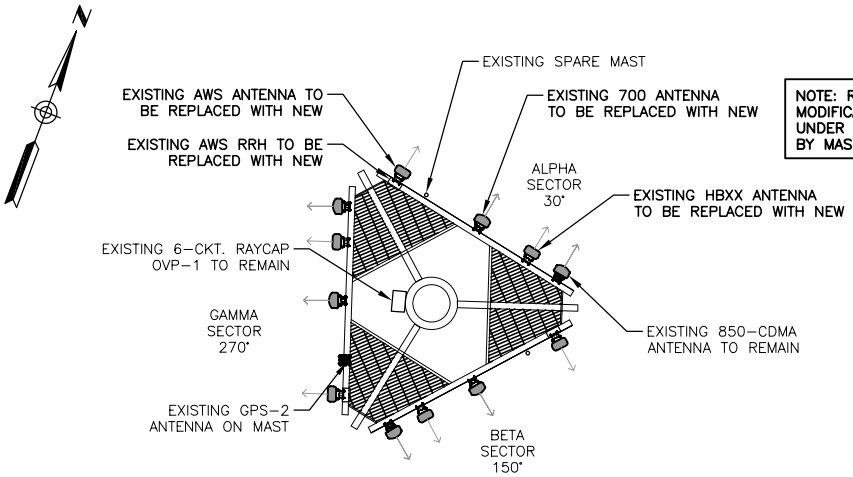
116 NEWGATE RD.
EAST GRANBY, CT 06026

SHEET TITLE:
COMPOUND PLAN
& ELEVATION

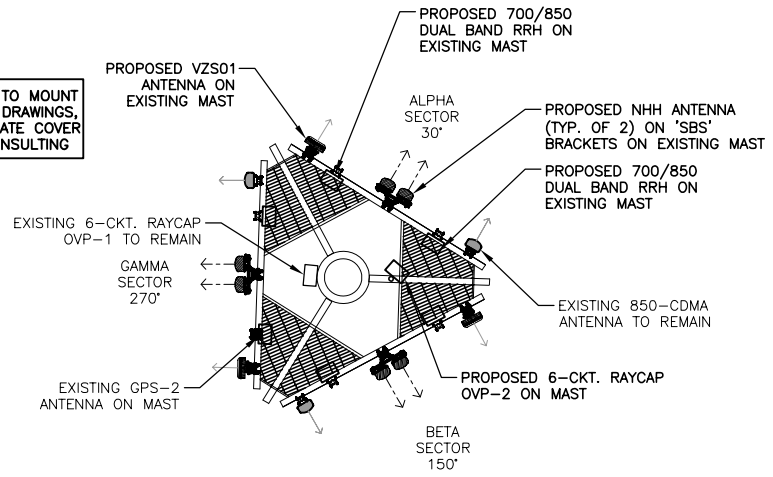
SHEET NUMBER:
DE-2



1 DE-3 ANTENNA PLAN @ 78 FT. - EXISTING

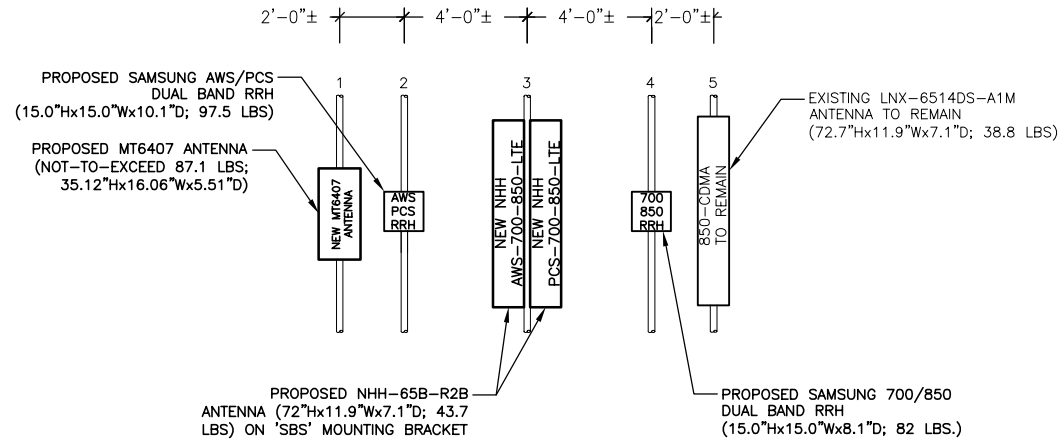
Scale: 1/8" = 1'-0"

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



2 DE-3 ANTENNA PLAN @ 78 FT. - PROPOSED

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



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

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

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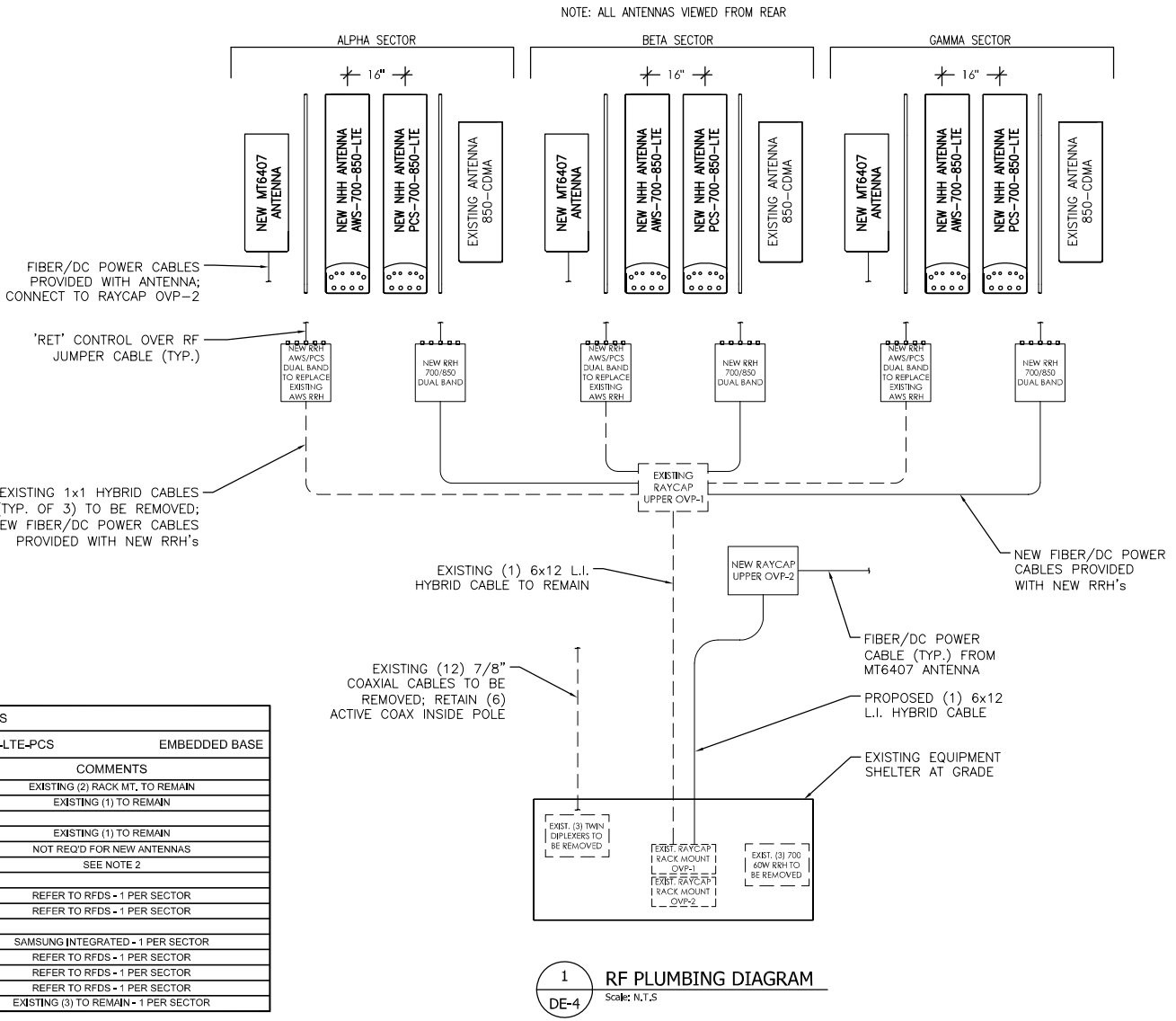
116 NEWGATE RD.
EAST GRANBY, CT 06026

SHEET TITLE:
ANTENNA PLANS & ELEVATION

SHEET NUMBER:
DE-3

GENERAL NOTES:

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



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

BILL OF MATERIALS			
SITE NAME: E GRANBY CT	ANTMO MT6407-850-LTE-PCS		EMBEDDED BASE
DESCRIPTION	QTY	LENGTH	COMMENTS
LOWER OVP	-	-	EXISTING (2) RACK MT. TO REMAIN
6-CKT. UPPER OVP	1	-	EXISTING (1) TO REMAIN
6x12 L.I. HYBRID CABLE	1	140 FT.	EXISTING (1) TO REMAIN
'RET' CONTROL CABLE	-	-	NOT REQ'D FOR NEW ANTENNAS
1/2" JUMPER CABLE	-	-	SEE NOTE 2
AWS/PCS DUAL BAND RRH	3	-	REFER TO RFDS - 1 PER SECTOR
700/850 DUAL BAND RRH	3	-	REFER TO RFDS - 1 PER SECTOR
MT6407 ANTENNA	3	-	SAMSUNG INTEGRATED - 1 PER SECTOR
NHH AWS-700-850-LTE ANTENNA	3	-	REFER TO RFDS - 1 PER SECTOR
NHH PCS-700-850-LTE ANTENNA	3	-	REFER TO RFDS - 1 PER SECTOR
NHH SBS MOUNTING BRACKET	3	-	REFER TO RFDS - 1 PER SECTOR
850-CDMA ANTENNA	-	-	EXISTING (3) TO REMAIN - 1 PER SECTOR

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

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SITE ADDRESS:
CT DOT MONOPOLE
116 NEWGATE RD.
EAST GRANBY, CT 06026

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

SHEET NUMBER:
DE-4

GENERAL CONSTRUCTION NOTES:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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MT6407-850-LTE-PCS
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SITE ADDRESS:
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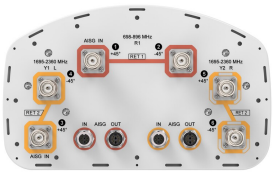
SHEET TITLE:
GENERAL
CONSTRUCTION
NOTES

SHEET NUMBER:
DE-5

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
Grounding Type	RF connector body grounded to reflector and mounting bracket
Performance Note	Outdoor usage | Wind loading figures are validated by wind tunnel measurements described in white paper WP-112534-EN
Radome Material	Fiberglass, UV resistant
Radiator Material	Low loss circuit board
Reflector Material	Aluminum
RF Connector Interface	4.3-10 Female
RF Connector Location	Bottom
RF Connector Quantity, high band	4
RF Connector Quantity, low band	2
RF Connector Quantity, total	6

Remote Electrical Tilt (RET) Information

RET Interface	8-pin DIN Female | 8-pin DIN Male
RET Interface, quantity	2 female | 2 male
Input Voltage	10–30 Vdc
Internal Bias Tee	Port 1 | Port 3
Internal RET	High band (1) | Low band (1)
Power Consumption, idle state, maximum	2 W
Power Consumption, normal conditions, maximum	13 W

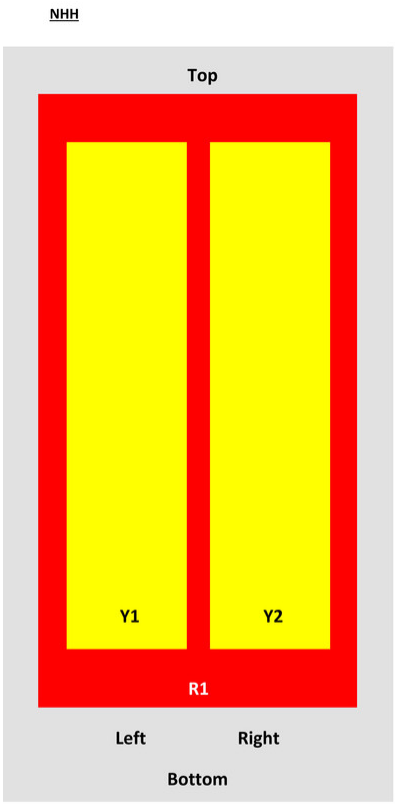
NHH-65B-R2B

Protocol	3GPP/AISG 2.0 (Single RET)

Dimensions

Width	301 mm | 11.85 in
Depth	180 mm | 7.087 in
Length	1828 mm | 71.969 in
Net Weight, without mounting kit	19.8 kg | 43.651 lb

Array Layout



Array	Freq (MHz)	Conns	RET (SRET)	AISG RET UID
R1	698-896	1-2	1	ANxxxxxxxxxxxxxxx1
Y1	1695-2360	3-4	2	ANxxxxxxxxxxxxxxx2
Y2	1695-2360	5-6		

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

NHH-65B-R2B

Polarization	±45°
Total Input Power, maximum	900 W @ 50 °C

Electrical Specifications

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

Electrical Specifications, BASTA

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

Mechanical Specifications

Effective Projective Area (EPA), frontal	0.26 m² | 2.799 ft²
Effective Projective Area (EPA), lateral	0.22 m² | 2.368 ft²
Wind Loading @ Velocity, frontal	278.0 N @ 150 km/h (62.5 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	230.0 N @ 150 km/h (51.7 lbf @ 150 km/h)
Wind Loading @ Velocity, maximum	537.0 N @ 150 km/h (120.7 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	282.0 N @ 150 km/h (63.4 lbf @ 150 km/h)
Wind Speed, maximum	241 km/h | 149.75 mph

Packaging and Weights

Width, packed	409 mm | 16.102 in
Depth, packed	299 mm | 11.772 in
Length, packed	1952 mm | 76.85 in
Weight, gross	32.3 kg | 71.209 lb

Regulatory Compliance/Certifications

Agency	**Classification**
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
ROHS	Compliant

Included Products

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

* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance

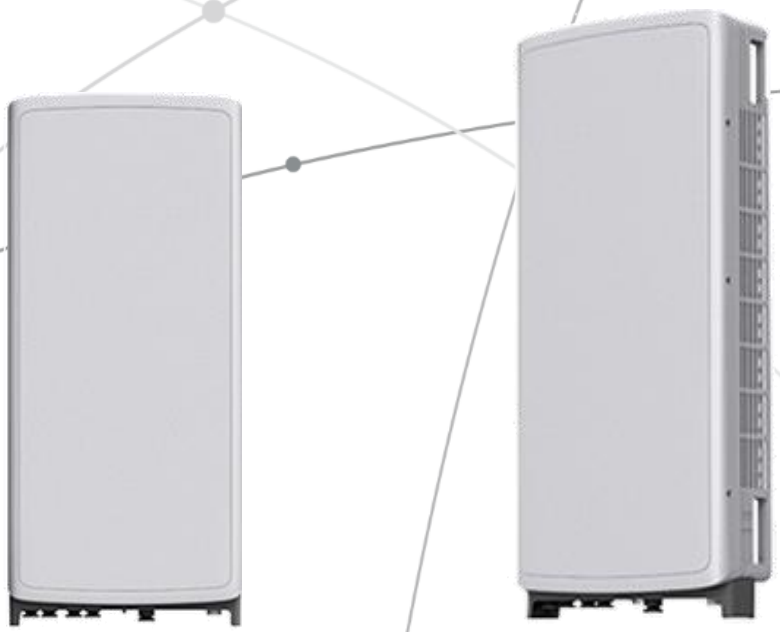
SAMSUNG

SAMSUNG C-Band 64T64R Massive MIMO Radio

for High Capacity and Wide Coverage

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

Model Code : MT6407-77A

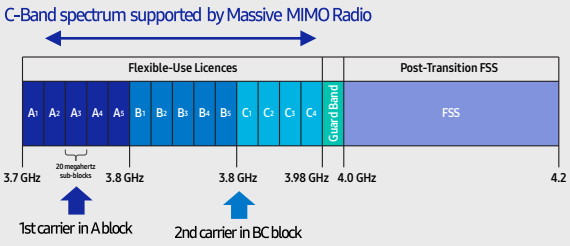


Points of Differentiation

Wide Bandwidth

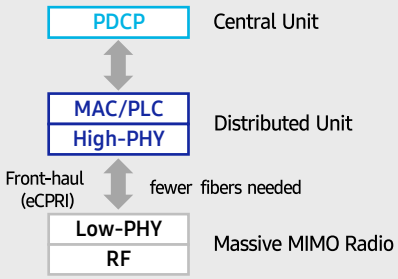
With capability to support up to 2 CC carrier configuration, Samsung C-Band massive MIMO Radio supports 200 MHz bandwidth in the C-Band spectrum.

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



Future Proof Product

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



Enhanced Performance

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

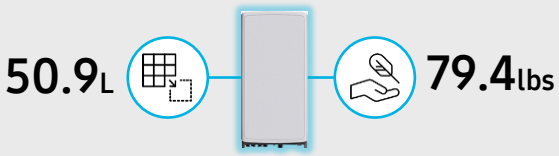
This helps operators reduce their CAPEX as they now need less products to cover the same area than before.

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

Well Matched Design

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

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



Technical Specifications

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

SAMSUNG

About Samsung Electronics Co., Ltd.

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

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

SAMSUNG

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

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

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

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

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

Features and Benefits

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

Key Technical Specifications

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

SAMSUNG

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

ATTACHMENT 3

Site Name: ***EAST GRANBY CT***
Cumulative Power Density

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density	Maximum Permissible Exposure*	Fraction of MPE
	(MHz)		(watts)	(watts)	(feet)	(mW/cm^2)	(mW/cm^2)	(%)
VZW 700	751	4	689	2756	78	0.0163	0.5007	3.25%
VZW CDMA	869	2	402	804	78	0.0048	0.5793	0.82%
VZW Cellular	869	4	825	3300	78	0.0195	0.5793	3.37%
VZW PCS	1980	4	1500	6000	78	0.0355	1.0000	3.55%
VZW AWS	2125	4	1691	6764	78	0.0400	1.0000	4.00%
VZW CBAND	3730	4	6531	26124	78	0.1544	1.0000	15.44%
Total Percentage of Maximum Permissible Exposure								30.43%

*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992
**Calculation includes a -10 dB Off Beam Antenna Pattern Adjustment pursuant to Attachments B and C of the Siting Council's November 10, 2015 Memorandum for Exempt Modification filings

MHz = Megahertz
mW/cm^2 = milliwatts per square centimeter
ERP = Effective Radiated Power

Absolute worst case maximum values used.

ATTACHMENT 4

PAUL J. FORD & COMPANY

Report Date: February 25, 2022

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 75-ft Monopole
Site Name: Verizon E Granby Ct
Site Address: 116 Newgate Rd.
City, County, State: East Granby, Hartford County, CT
Latitude, Longitude: 41.961625, -72.740100

PJF Project: A42921-0019.002.7700

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

Analysis Criteria:
This analysis utilizes an ultimate 3-second gust wind speed of 115 mph as required by the 2018 Connecticut State Building Code. 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 of this report.

Summary of Analysis Results:

Existing Structure:	Pass – 89.9%
Existing Foundation:	Pass – 83.7%

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.

All modifications and equipment proposed in this report shall be installed in accordance with the attached drawings for the determined available structural capacity to be effective.

Respectfully Submitted by:

Paul J. Ford and Company

02/28/2022

Nathan C. Miller, P.E.
Project Engineer
nmiller@pauljford.com

TABLE OF CONTENTS

1) INTRODUCTION

This tower is a 81.7 ft Monopole tower designed by Summit Manufacturing in March of 1993.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	115 mph
Exposure Category:	C
Topographic Factor:	1
Ice Thickness:	1.5 in
Wind Speed with Ice:	50 mph
Service Wind Speed:	60 mph

Table 1 - Proposed Equipment Configuration

Equipment Carrier	Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
CT DOT	83.0	83.0	1	---	Beacon Light	1	7/8
Verizon	76.5	78.0	3	andrew	LNX-6514DS-A1M w/ Mount Pipe	2	1-5/8 Hybrid
			3	commscope	BSAMNT-SBS-1-2 (Mount Bracket)		
			6	commscope	NHH-65B-R2B w/ Mount Pipe		
			1	gps	GPS		
			1	raycap	12-OVP		
			3	samsung telecommunications	B2/B66A RRH-BR049	6	1-5/8 Coax
			3	samsung telecommunications	B5/B13 RRH-BR04C		
			3	samsung telecommunications	MT6407-77A w/ Mount Pipe		
		76.5	1	tower mount	Platform Mount w/ Modifications		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Remarks	Reference	Source
Geotechnical Reports	Dr. Clarence Welti, PE, PC, 4/30/1993	-	On Air Engineering, LLC
Tower Foundation Drawings	Dr. Clarence Welti, PE, PC, 5/27/1993	-	
Tower Manufacturer Drawings	Summit Manufacturing, Inc. 3/31/1993	936-D1	

3.1) Analysis Method

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

3.2) Assumptions

1) Tower and structures were maintained in accordance with the TIA-222 Standard.
2) The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Table 1 and the referenced drawings.
3) All coaxial cables have been assumed to run interior to the monopole shaft.
4) The structure will be modified in conformance with the attached proposed modification drawings.

This analysis may be affected if any assumptions are not valid or have been made in error. Paul J Ford & 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	75 - 57.5	Pole	TP14.24x11.5x0.1875	1	-3.59	395.15	84.8	Pass
L2	57.5 - 48.75	Pole	TP15.61x14.24x0.5622	2	-4.28	1088.26	40.3	Pass
L3	48.75 - 41	Pole	TP16.3811x14.0941x0.5948	3	-5.77	1260.57	46.8	Pass
L4	41 - 23.54	Pole	TP19x16.3811x0.5358	4	-7.64	1306.61	58.6	Pass
L5	23.54 - 21	Pole	TP18.8746x17.4904x0.529	5	-8.39	1268.21	65.9	Pass
L6	21 - 1	Pole	TP21.8512x18.8746x0.4779	6	-11.54	1392.65	76.9	Pass
L7	1 - 0	Pole	TP22x21.8512x0.4527	7	-11.68	1334.18	80.8	Pass
							Summary	
						Pole (L1)	84.8	Pass
						RATING =	84.8	Pass

Table 5 - Tower Component Stresses vs. Capacity

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	0	83.4	Pass
1	Base Plate	0	89.9	Pass
1	Base Foundation (Structure)	0	83.7	Pass
1	Base Foundation (Soil Interaction)	0	11.0	Pass

Structure Rating (max from all components) =	88.2%

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

4.1) Recommendations

Perform the modifications detailed in Appendix C.

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.

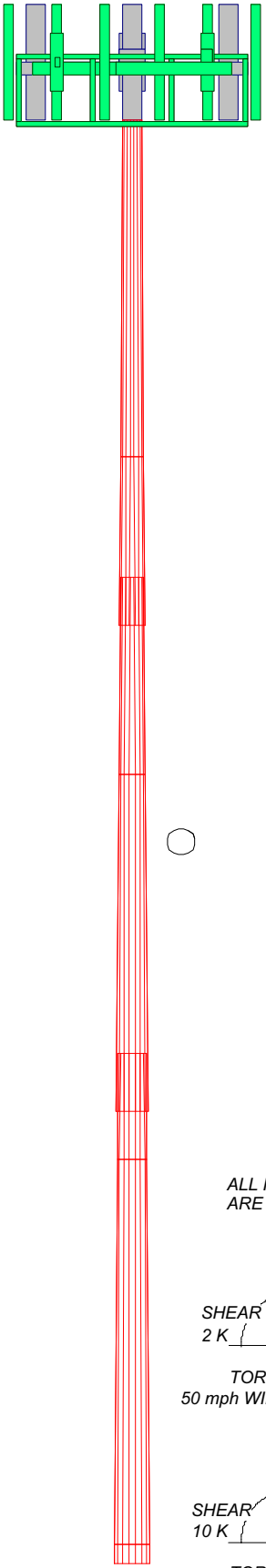
2) No allowance was made for any damaged, missing, or rusted material. The analysis of this monopole assumes that no physical deterioration has occurred in any of the structural components of the monopole and that all the structural members have the same load carrying capacity as the day the monopole 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 enclosed sketches are a schematic representation of the monopole we have analyzed. If any material is fabricated from these sketches, the fabricator shall be responsible for field verifying the existing conditions and for proper fit and clearance in the field.

APPENDIX A

TNXTOWER OUTPUT



Section	1	2	3	4	5	6	7
Length (ft)	17.50	8.75	10.25	17.46	5.46	20.00	1.00
Number of Sides	18	18	18	18	18	18	18
Thickness (in)	0.1875	0.5622	0.5948	0.5358	0.5290	0.4779	0.4527
Socket Length (ft)		2.50		2.92			
Top Dia (in)	11.5000	14.2400	14.0941	16.3811	17.4904	18.8746	21.8512
Bot Dia (in)	14.2400	15.6100	16.3811	19.0000	18.8746	21.8512	22.0000
Grade	A572-50	Reinf 44.03 ksi		Reinf 44.76 ksi	Reinf 45.10 ksi	Reinf 45.15 ksi	Reinf 45.46 ksi / Reinf 45.60 ksi
Weight (K)	0.4	0.8	1.0	1.7	0.6	2.1	6.60.1

MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A572-50	50 ksi	65 ksi	Reinf 45.15 ksi	45 ksi	57 ksi
Reinf 44.03 ksi	44 ksi	56 ksi	Reinf 45.46 ksi	45 ksi	57 ksi
Reinf 44.76 ksi	45 ksi	56 ksi	Reinf 45.60 ksi	46 ksi	57 ksi
Reinf 45.10 ksi	45 ksi	57 ksi			

TOWER DESIGN NOTES

1. Tower is located in Hartford County, Connecticut.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 115 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.50 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. TOWER RATING: 84.8%

ALL REACTIONS ARE FACTORED

AXIAL 23 K
SHEAR 2 K
MOMENT 162 kip-ft
TORQUE 0 kip-ft
50 mph WIND - 1.5000 in ICE

AXIAL 12 K
SHEAR 10 K
MOMENT 592 kip-ft
TORQUE 0 kip-ft
REACTIONS - 115 mph WIND

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

Job: ***75' Monopole***
Project: ***E Granby Ct.***
Client: On Air Engineering | Drawn by: Nathan Miller | App'd:
Code: TIA-222-H | Date: 01/25/22 | Scale: NTS
Path: G:\TOWER\429_On Air Engineering\2021\42921-0019_E Granby, CT\42921-0019.002.7700_Mod\42921-0019.002.7700_Reinforced.eri | Dwg No. E-1

Tower Input Data

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

- Tower is located in Hartford County, Connecticut.
- Tower base elevation above sea level: 112.72 ft.
- Basic wind speed of 115 mph.
- Risk Category II.
- Exposure Category C.
- Simplified Topographic Factor Procedure for wind speed-up calculations is used.
- Topographic Category: 1.
- Crest Height: 0.00 ft.
- Nominal ice thickness of 1.5000 in.
- Ice thickness is considered to increase with height.
- Ice density of 56 pcf.
- A wind speed of 50 mph is used in combination with ice.
- Temperature drop of 50 °F.
- Deflections calculated using a wind speed of 60 mph.
- A non-linear (P-delta) analysis was used.
- Pressures are calculated at each section.
- Stress ratio used in pole design is 1.05.
- Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

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

Tapered Pole Section Geometry

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L1	75.00-57.50	17.50	0.00	18	11.5000	14.2400	0.1875	0.7500	A572-50 (50 ksi)
L2	57.50-48.75	8.75	2.50	18	14.2400	15.6100	0.5622	2.2490	Reinf 44.03 ksi (44 ksi)
L3	48.75-41.00	10.25	0.00	18	14.0941	16.3811	0.5948	2.3791	Reinf 44.76 ksi (45 ksi)
L4	41.00-23.54	17.46	2.92	18	16.3811	19.0000	0.5358	2.1433	Reinf 45.10 ksi (45 ksi)
L5	23.54-21.00	5.46	0.00	18	17.4904	18.8746	0.5290	2.1161	Reinf 45.15 ksi (45 ksi)
L6	21.00-1.00	20.00	0.00	18	18.8746	21.8512	0.4779	1.9114	Reinf 45.46 ksi (45 ksi)
L7	1.00-0.00	1.00		18	21.8512	22.0000	0.4527	1.8108	Reinf 45.60 ksi (46 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	11.6485	6.7324	108.8482	4.0159	5.8420	18.6320	217.8397	3.3668	1.6940	9.035
	14.4308	8.3630	208.6443	4.9886	7.2339	28.8425	417.5630	4.1823	2.1762	11.607
L2	14.3729	24.4086	576.9140	4.8556	7.2339	79.7512	1154.5870	12.2066	1.5167	2.698
	15.7641	26.8535	768.2130	5.3420	7.9299	96.8757	1537.4369	13.4293	1.7578	3.126
L3	14.7862	25.4844	586.7261	4.7923	7.1598	81.9473	1174.2243	12.7446	1.4337	2.411
	16.5420	29.8018	938.2966	5.6041	8.3216	112.7546	1877.8278	14.9038	1.8363	3.087
L4	16.5511	26.9484	854.8050	5.6251	8.3216	102.7215	1710.7347	13.4767	1.9400	3.621
	19.2104	31.4025	1352.5732	6.5548	9.6520	140.1340	2706.9261	15.7042	2.4009	4.481
L5	18.4303	28.4805	1035.1526	6.0213	8.8851	116.5043	2071.6673	14.2429	2.1472	4.059
	19.0842	30.8048	1309.8402	6.5127	9.5883	136.6082	2621.4038	15.4053	2.3908	4.519
L6	19.0921	27.9028	1193.0748	6.5308	9.5883	124.4303	2387.7194	13.9541	2.4809	5.192
	22.1145	32.4175	1870.9424	7.5875	11.1004	168.5474	3744.3465	16.2118	3.0048	6.288
L7	22.1184	30.7475	1778.7381	7.5965	11.1004	160.2410	3559.8168	15.3767	3.0490	6.735
	22.2695	30.9613	1816.1112	7.6493	11.1760	162.5010	3634.6120	15.4836	3.0752	6.793

Tower Elevation ft	Gusset Area (per face) ft^2	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
L1 75.00-57.50				1	1	1			
L2 57.50-48.75				1	1	1			
L3 48.75-41.00				1	1	1			
L4 41.00-23.54				1	1	1			
L5 23.54-21.00				1	1	1			
L6 21.00-1.00				1	1	1			
L7 1.00-0.00				1	1	1			

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf
AL7-50(1 5/8")	C	No	Surface Ar (CaAa)	75.00 - 0.00	1	1	0.250 0.250	1.9600		0.52
**********										
FP 6.00 x 1.25	A	No	Surface Af (CaAa)	20.75 - 0.00	1	1	0.333 0.333	6.0000	14.5000	0.00
FP 6.00 x 1.25	A	No	Surface Af (CaAa)	20.75 - 0.00	1	1	-0.500 -0.500	6.0000	14.5000	0.00
FP 6.00 x 1.25	C	No	Surface Af (CaAa)	20.75 - 0.00	1	1	-0.500 -0.500	6.0000	14.5000	0.00
FP 6.00 x 1.25	A	No	Surface Af (CaAa)	40.75 - 20.75	1	1	0.333 0.333	6.0000	14.5000	0.00
FP 6.00 x 1.25	A	No	Surface Af (CaAa)	40.75 - 20.75	1	1	-0.500 -0.500	6.0000	14.5000	0.00
FP 6.00 x 1.25	C	No	Surface Af (CaAa)	40.75 - 20.75	1	1	-0.500 -0.500	6.0000	14.5000	0.00
FP 6.00 x 1.25	A	No	Surface Af (CaAa)	60.75 - 40.75	1	1	0.333 0.333	6.0000	14.5000	0.00
FP 6.00 x 1.25	A	No	Surface Af (CaAa)	60.75 - 40.75	1	1	-0.500 -0.500	6.0000	14.5000	0.00
FP 6.00 x 1.25	C	No	Surface Af (CaAa)	60.75 - 40.75	1	1	-0.500 -0.500	6.0000	14.5000	0.00

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
AL7-50(1 5/8")	C	No	No	Inside Pole	75.00 - 0.00	1	No Ice	0.00	0.52
							1/2" Ice	0.00	0.52
							1" Ice	0.00	0.52
							2" Ice	0.00	0.52
AL7-50(1 5/8")	C	No	No	Inside Pole	75.00 - 0.00	1	No Ice	0.00	0.52
							1/2" Ice	0.00	0.52
							1" Ice	0.00	0.52
							2" Ice	0.00	0.52
AL5-50(7/8")	C	No	No	Inside Pole	75.00 - 0.00	6	No Ice	0.00	0.26
							1/2" Ice	0.00	0.26
							1" Ice	0.00	0.26
							2" Ice	0.00	0.26

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	75.00-57.50	A	0.000	0.000	6.500	0.000	0.00

Tower Section	Tower Elevation ft	Face	A_R ft²	A_F ft²	C_AA_A In Face ft²	C_AA_A Out Face ft²	Weight K
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	6.680	0.000	0.05
L2	57.50-48.75	A	0.000	0.000	17.500	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	10.465	0.000	0.03
L3	48.75-41.00	A	0.000	0.000	15.500	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	9.269	0.000	0.02
L4	41.00-23.54	A	0.000	0.000	34.920	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	20.882	0.000	0.05
L5	23.54-21.00	A	0.000	0.000	5.080	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	3.038	0.000	0.01
L6	21.00-1.00	A	0.000	0.000	40.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	23.920	0.000	0.06
L7	1.00-0.00	A	0.000	0.000	2.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	1.196	0.000	0.00

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft²	A_F ft²	C_AA_A In Face ft²	C_AA_A Out Face ft²	Weight K
L1	75.00-57.50	A	1.608	0.000	0.000	8.590	0.000	0.08
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	13.351	0.000	0.22
L2	57.50-48.75	A	1.573	0.000	0.000	23.005	0.000	0.22
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	15.970	0.000	0.20
L3	48.75-41.00	A	1.547	0.000	0.000	20.376	0.000	0.19
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	14.145	0.000	0.17
L4	41.00-23.54	A	1.496	0.000	0.000	45.366	0.000	0.41
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	31.328	0.000	0.37
L5	23.54-21.00	A	1.442	0.000	0.000	6.600	0.000	0.06
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	4.557	0.000	0.05
L6	21.00-1.00	A	1.341	0.000	0.000	50.727	0.000	0.41
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	34.647	0.000	0.37
L7	1.00-0.00	A	0.986	0.000	0.000	2.395	0.000	0.01
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	1.591	0.000	0.01

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	75.00-57.50	0.5830	0.6776	0.0809	1.0574

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L2	57.50-48.75	1.7564	0.0451	1.5707	0.3304
L3	48.75-41.00	1.8078	0.0447	1.6241	0.3380
L4	41.00-23.54	1.9860	0.0433	1.8125	0.3513
L5	23.54-21.00	2.0528	0.0428	1.8852	0.3612
L6	21.00-1.00	2.1863	0.0418	2.0358	0.3515
L7	1.00-0.00	2.2949	0.0409	2.1831	0.2928

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

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L1	4	AL7-50(1 5/8")	57.50 - 75.00	1.0000	1.0000
L1	12	FP 6.00 x 1.25	57.50 - 60.75	1.0000	1.0000
L1	13	FP 6.00 x 1.25	57.50 - 60.75	1.0000	1.0000
L1	14	FP 6.00 x 1.25	57.50 - 60.75	1.0000	1.0000
L2	4	AL7-50(1 5/8")	48.75 - 57.50	1.0000	1.0000
L2	12	FP 6.00 x 1.25	48.75 - 57.50	1.0000	1.0000
L2	13	FP 6.00 x 1.25	48.75 - 57.50	1.0000	1.0000
L2	14	FP 6.00 x 1.25	48.75 - 57.50	1.0000	1.0000
L3	4	AL7-50(1 5/8")	41.00 - 48.75	1.0000	1.0000
L3	12	FP 6.00 x 1.25	41.00 - 48.75	1.0000	1.0000
L3	13	FP 6.00 x 1.25	41.00 - 48.75	1.0000	1.0000
L3	14	FP 6.00 x 1.25	41.00 - 48.75	1.0000	1.0000
L4	4	AL7-50(1 5/8")	23.54 - 41.00	1.0000	1.0000
L4	9	FP 6.00 x 1.25	23.54 - 40.75	1.0000	1.0000
L4	10	FP 6.00 x 1.25	23.54 - 40.75	1.0000	1.0000
L4	11	FP 6.00 x 1.25	23.54 - 40.75	1.0000	1.0000
L4	12	FP 6.00 x 1.25	40.75 - 41.00	1.0000	1.0000
L4	13	FP 6.00 x 1.25	40.75 - 41.00	1.0000	1.0000
L4	14	FP 6.00 x 1.25	40.75 - 41.00	1.0000	1.0000
L5	4	AL7-50(1 5/8")	21.00 - 23.54	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L5	9	FP 6.00 x 1.25	21.00 - 23.54	1.0000	1.0000
L5	10	FP 6.00 x 1.25	21.00 - 23.54	1.0000	1.0000
L5	11	FP 6.00 x 1.25	21.00 - 23.54	1.0000	1.0000
L6	4	AL7-50(1 5/8")	1.00 - 21.00	1.0000	1.0000
L6	6	FP 6.00 x 1.25	1.00 - 20.75	1.0000	1.0000
L6	7	FP 6.00 x 1.25	1.00 - 20.75	1.0000	1.0000
L6	8	FP 6.00 x 1.25	1.00 - 20.75	1.0000	1.0000
L6	9	FP 6.00 x 1.25	20.75 - 21.00	1.0000	1.0000
L6	10	FP 6.00 x 1.25	20.75 - 21.00	1.0000	1.0000
L6	11	FP 6.00 x 1.25	20.75 - 21.00	1.0000	1.0000
L7	4	AL7-50(1 5/8")	0.00 - 1.00	1.0000	1.0000
L7	6	FP 6.00 x 1.25	0.00 - 1.00	1.0000	1.0000
L7	7	FP 6.00 x 1.25	0.00 - 1.00	1.0000	1.0000
L7	8	FP 6.00 x 1.25	0.00 - 1.00	1.0000	1.0000

Effective Width of Flat Linear Attachments / Feed Lines

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L1	12	FP 6.00 x 1.25	57.50 - 60.75	Manual	1.0000
L1	13	FP 6.00 x 1.25	57.50 - 60.75	Manual	1.0000
L1	14	FP 6.00 x 1.25	57.50 - 60.75	Manual	1.0000
L2	12	FP 6.00 x 1.25	48.75 - 57.50	Manual	1.0000
L2	13	FP 6.00 x 1.25	48.75 - 57.50	Manual	1.0000
L2	14	FP 6.00 x 1.25	48.75 - 57.50	Manual	1.0000
L3	12	FP 6.00 x 1.25	41.00 - 48.75	Manual	1.0000
L3	13	FP 6.00 x 1.25	41.00 - 48.75	Manual	1.0000
L3	14	FP 6.00 x 1.25	41.00 - 48.75	Manual	1.0000
L4	9	FP 6.00 x 1.25	23.54 - 40.75	Manual	1.0000
L4	10	FP 6.00 x 1.25	23.54 - 40.75	Manual	1.0000
L4	11	FP 6.00 x 1.25	23.54 - 40.75	Manual	1.0000
L4	12	FP 6.00 x 1.25	40.75 - 41.00	Manual	1.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L4	13	FP 6.00 x 1.25	40.75 - 41.00	Manual	1.0000
L4	14	FP 6.00 x 1.25	40.75 - 41.00	Manual	1.0000
L5	9	FP 6.00 x 1.25	21.00 - 23.54	Manual	1.0000
L5	10	FP 6.00 x 1.25	21.00 - 23.54	Manual	1.0000
L5	11	FP 6.00 x 1.25	21.00 - 23.54	Manual	1.0000
L6	6	FP 6.00 x 1.25	1.00 - 20.75	Manual	1.0000
L6	7	FP 6.00 x 1.25	1.00 - 20.75	Manual	1.0000
L6	8	FP 6.00 x 1.25	1.00 - 20.75	Manual	1.0000
L6	9	FP 6.00 x 1.25	20.75 - 21.00	Manual	1.0000
L6	10	FP 6.00 x 1.25	20.75 - 21.00	Manual	1.0000
L6	11	FP 6.00 x 1.25	20.75 - 21.00	Manual	1.0000
L7	6	FP 6.00 x 1.25	0.00 - 1.00	Manual	1.0000
L7	7	FP 6.00 x 1.25	0.00 - 1.00	Manual	1.0000
L7	8	FP 6.00 x 1.25	0.00 - 1.00	Manual	1.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
Beacon	C	None		0.0000	83.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.60 4.00 4.40 5.20	3.60 4.00 4.40 5.20	0.10 0.15 0.20 0.30
********** **********									
BSAMNT-SBS-1-2 (Mount Bracket)	A	From Leg	2.00 0.00 1.50	0.0000	76.50	No Ice 1/2" Ice 1" Ice 2" Ice	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.03 0.05 0.07 0.11
BSAMNT-SBS-1-2 (Mount Bracket)	B	From Leg	2.00 0.00 1.50	0.0000	76.50	No Ice 1/2" Ice 1" Ice 2" Ice	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.03 0.05 0.07 0.11
BSAMNT-SBS-1-2 (Mount Bracket)	C	From Leg	2.00 0.00 1.50	0.0000	76.50	No Ice 1/2" Ice 1" Ice	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.03 0.05 0.07 0.11

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment ° Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
					2" Ice			
(2) NHH-65B-R2B_TIA w/ Mount Pipe	A	From Leg	4.00 0.00 1.50	0.0000 76.50	No Ice 1/2" Ice 1" Ice 2" Ice	8.32 8.88 9.40 10.47	7.00 8.19 9.08 10.90	0.07 0.14 0.21 0.39
(2) NHH-65B-R2B_TIA w/ Mount Pipe	B	From Leg	4.00 0.00 1.50	0.0000 76.50	No Ice 1/2" Ice 1" Ice 2" Ice	8.32 8.88 9.40 10.47	7.00 8.19 9.08 10.90	0.07 0.14 0.21 0.39
(2) NHH-65B-R2B_TIA w/ Mount Pipe	C	From Leg	4.00 0.00 1.50	0.0000 76.50	No Ice 1/2" Ice 1" Ice 2" Ice	8.32 8.88 9.40 10.47	7.00 8.19 9.08 10.90	0.07 0.14 0.21 0.39
LNX-6514DS-A1M_TIA w/ Mount Pipe	A	From Leg	4.00 0.00 1.50	0.0000 76.50	No Ice 1/2" Ice 1" Ice 2" Ice	8.41 8.97 9.50 10.59	7.08 8.27 9.18 11.02	0.06 0.13 0.21 0.39
LNX-6514DS-A1M_TIA w/ Mount Pipe	B	From Leg	4.00 0.00 1.50	0.0000 76.50	No Ice 1/2" Ice 1" Ice 2" Ice	8.41 8.97 9.50 10.59	7.08 8.27 9.18 11.02	0.06 0.13 0.21 0.39
LNX-6514DS-A1M_TIA w/ Mount Pipe	C	From Leg	4.00 0.00 1.50	0.0000 76.50	No Ice 1/2" Ice 1" Ice 2" Ice	8.41 8.97 9.50 10.59	7.08 8.27 9.18 11.02	0.06 0.13 0.21 0.39
B2/B66A RRH-BR049	A	From Leg	4.00 0.00 1.50	0.0000 76.50	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.01 1.14 1.28 1.59	0.07 0.09 0.11 0.15
B2/B66A RRH-BR049	B	From Leg	4.00 0.00 1.50	0.0000 76.50	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.01 1.14 1.28 1.59	0.07 0.09 0.11 0.15
B2/B66A RRH-BR049	C	From Leg	4.00 0.00 1.50	0.0000 76.50	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.01 1.14 1.28 1.59	0.07 0.09 0.11 0.15
B5/B13 RRH-BR04C	A	From Leg	4.00 0.00 1.50	0.0000 76.50	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.01 1.14 1.28 1.59	0.07 0.09 0.11 0.15
B5/B13 RRH-BR04C	B	From Leg	4.00 0.00	0.0000 76.50	No Ice	1.88 2.05	1.01 1.14	0.07 0.09

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			1.50			1/2" Ice	2.22	1.28	0.11
						1" Ice	2.60	1.59	0.15
						2" Ice			
B5/B13 RRH-BR04C	C	From Leg	4.00	0.0000	76.50	No Ice	1.88	1.01	0.07
			0.00			1/2" Ice	2.05	1.14	0.09
			1.50			1" Ice	2.22	1.28	0.11
						2" Ice	2.60	1.59	0.15
MT6407-77A w/ Mount Pipe	A	From Leg	4.00	0.0000	76.50	No Ice	4.91	2.68	0.10
			0.00			1/2" Ice	5.26	3.14	0.14
			1.50			1" Ice	5.61	3.62	0.18
						2" Ice	6.36	4.63	0.29
MT6407-77A w/ Mount Pipe	B	From Leg	4.00	0.0000	76.50	No Ice	4.91	2.68	0.10
			0.00			1/2" Ice	5.26	3.14	0.14
			1.50			1" Ice	5.61	3.62	0.18
						2" Ice	6.36	4.63	0.29
MT6407-77A w/ Mount Pipe	C	From Leg	4.00	0.0000	76.50	No Ice	4.91	2.68	0.10
			0.00			1/2" Ice	5.26	3.14	0.14
			1.50			1" Ice	5.61	3.62	0.18
						2" Ice	6.36	4.63	0.29
12-OVP	C	From Leg	4.00	0.0000	76.50	No Ice	3.71	2.19	0.03
			0.00			1/2" Ice	3.95	2.39	0.06
			1.50			1" Ice	4.20	2.61	0.10
						2" Ice	4.72	3.05	0.18
GPS	C	From Leg	4.00	0.0000	76.50	No Ice	0.14	0.14	0.02
			0.00			1/2" Ice	0.24	0.24	0.02
			1.50			1" Ice	0.31	0.31	0.02
						2" Ice	0.49	0.49	0.03
Platform Mount	C	None		0.0000	76.50	No Ice	31.07	31.07	1.34
						1/2" Ice	34.82	34.82	1.97
						1" Ice	38.48	38.48	2.67
						2" Ice	45.60	45.60	4.31

Tower Pressures - No Ice

G_H = 1.100

Section Elevation ft	z ft	K_Z	q_z psf	A_G ft^2	Face	A_F ft^2	A_R ft^2	A_{leg} ft^2	Leg %	C_AA_A In Face ft^2	C_AA_A Out Face ft^2
L1 75.00-57.50	65.94	1.159	37	19.016	A	0.000	19.016	19.016	100.00	6.500	0.000
					B	0.000	19.016		100.00	0.000	0.000
					C	0.000	19.016		100.00	6.680	0.000

Section Elevation ft	z ft	K_Z	q_z psf	A_G ft²	Face	A_F ft²	A_R ft²	A_{leg} ft²	Leg %	C_AA_A In Face ft²	C_AA_A Out Face ft²
L2 57.50-48.75	53.06	1.108	35	10.987	A	0.000	10.987	10.987	100.00	17.500	0.000
					B	0.000	10.987		100.00	0.000	0.000
					C	0.000	10.987		100.00	10.465	0.000
L3 48.75-41.00	44.80	1.069	34	10.116	A	0.000	10.116	10.116	100.00	15.500	0.000
					B	0.000	10.116		100.00	0.000	0.000
					C	0.000	10.116		100.00	9.269	0.000
L4 41.00-23.54	32.05	0.996	32	26.017	A	0.000	26.017	26.017	100.00	34.920	0.000
					B	0.000	26.017		100.00	0.000	0.000
					C	0.000	26.017		100.00	20.882	0.000
L5 23.54-21.00	22.26	0.922	30	3.970	A	0.000	3.970	3.970	100.00	5.080	0.000
					B	0.000	3.970		100.00	0.000	0.000
					C	0.000	3.970		100.00	3.038	0.000
L6 21.00-1.00	10.76	0.85	27	34.339	A	0.000	34.339	34.339	100.00	40.000	0.000
					B	0.000	34.339		100.00	0.000	0.000
					C	0.000	34.339		100.00	23.920	0.000
L7 1.00-0.00	0.50	0.85	27	1.849	A	0.000	1.849	1.849	100.00	2.000	0.000
					B	0.000	1.849		100.00	0.000	0.000
					C	0.000	1.849		100.00	1.196	0.000

Tower Pressure - With Ice

G_H = 1.100

Section Elevation ft	z ft	K_Z	q_z psf	t_Z in	A_G ft²	Face	A_F ft²	A_R ft²	A_{leg} ft²	Leg %	C_AA_A In Face ft²	C_AA_A Out Face ft²
L1 75.00-57.50	65.94	1.159	7	1.6075	23.705	A	0.000	23.705	23.705	100.00	8.590	0.000
						B	0.000	23.705		100.00	0.000	0.000
						C	0.000	23.705		100.00	13.351	0.000
L2 57.50-48.75	53.06	1.108	7	1.5730	13.281	A	0.000	13.281	13.281	100.00	23.005	0.000
						B	0.000	13.281		100.00	0.000	0.000
						C	0.000	13.281		100.00	15.970	0.000
L3 48.75-41.00	44.80	1.069	6	1.5466	12.148	A	0.000	12.148	12.148	100.00	20.376	0.000
						B	0.000	12.148		100.00	0.000	0.000
						C	0.000	12.148		100.00	14.145	0.000
L4 41.00-23.54	32.05	0.996	6	1.4956	30.369	A	0.000	30.369	30.369	100.00	45.366	0.000
						B	0.000	30.369		100.00	0.000	0.000
						C	0.000	30.369		100.00	31.328	0.000
L5 23.54-21.00	22.26	0.922	6	1.4421	4.603	A	0.000	4.603	4.603	100.00	6.600	0.000
						B	0.000	4.603		100.00	0.000	0.000
						C	0.000	4.603		100.00	4.557	0.000
L6 21.00-1.00	10.76	0.85	5	1.3409	38.809	A	0.000	38.809	38.809	100.00	50.727	0.000
						B	0.000	38.809		100.00	0.000	0.000
						C	0.000	38.809		100.00	34.647	0.000
L7 1.00-0.00	0.50	0.85	5	0.9865	2.014	A	0.000	2.014	2.014	100.00	2.395	0.000
						B	0.000	2.014		100.00	0.000	0.000
						C	0.000	2.014		100.00	1.591	0.000

Tower Pressure - Service

$G_H = 1.100$

Section Elevation ft	z ft	K_Z	q_z psf	A_G ft²	Face	A_F ft²	A_R ft²	A_{leg} ft²	Leg %	C_AA_A In Face ft²	C_AA_A Out Face ft²
L1 75.00-57.50	65.94	1.159	9	19.016	A	0.000	19.016	19.016	100.00	6.500	0.000
					B	0.000	19.016		100.00	0.000	0.000
					C	0.000	19.016		100.00	6.680	0.000
L2 57.50-48.75	53.06	1.108	9	10.987	A	0.000	10.987	10.987	100.00	17.500	0.000
					B	0.000	10.987		100.00	0.000	0.000
					C	0.000	10.987		100.00	10.465	0.000
L3 48.75-41.00	44.80	1.069	8	10.116	A	0.000	10.116	10.116	100.00	15.500	0.000
					B	0.000	10.116		100.00	0.000	0.000
					C	0.000	10.116		100.00	9.269	0.000
L4 41.00-23.54	32.05	0.996	8	26.017	A	0.000	26.017	26.017	100.00	34.920	0.000
					B	0.000	26.017		100.00	0.000	0.000
					C	0.000	26.017		100.00	20.882	0.000
L5 23.54-21.00	22.26	0.922	7	3.970	A	0.000	3.970	3.970	100.00	5.080	0.000
					B	0.000	3.970		100.00	0.000	0.000
					C	0.000	3.970		100.00	3.038	0.000
L6 21.00-1.00	10.76	0.85	7	34.339	A	0.000	34.339	34.339	100.00	40.000	0.000
					B	0.000	34.339		100.00	0.000	0.000
					C	0.000	34.339		100.00	23.920	0.000
L7 1.00-0.00	0.50	0.85	7	1.849	A	0.000	1.849	1.849	100.00	2.000	0.000
					B	0.000	1.849		100.00	0.000	0.000
					C	0.000	1.849		100.00	1.196	0.000

Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice
3	0.9 Dead+1.0 Wind 0 deg - No Ice
4	1.2 Dead+1.0 Wind 30 deg - No Ice
5	0.9 Dead+1.0 Wind 30 deg - No Ice
6	1.2 Dead+1.0 Wind 60 deg - No Ice
7	0.9 Dead+1.0 Wind 60 deg - No Ice
8	1.2 Dead+1.0 Wind 90 deg - No Ice
9	0.9 Dead+1.0 Wind 90 deg - No Ice
10	1.2 Dead+1.0 Wind 120 deg - No Ice
11	0.9 Dead+1.0 Wind 120 deg - No Ice
12	1.2 Dead+1.0 Wind 150 deg - No Ice
13	0.9 Dead+1.0 Wind 150 deg - No Ice
14	1.2 Dead+1.0 Wind 180 deg - No Ice
15	0.9 Dead+1.0 Wind 180 deg - No Ice
16	1.2 Dead+1.0 Wind 210 deg - No Ice
17	0.9 Dead+1.0 Wind 210 deg - No Ice
18	1.2 Dead+1.0 Wind 240 deg - No Ice
19	0.9 Dead+1.0 Wind 240 deg - No Ice
20	1.2 Dead+1.0 Wind 270 deg - No Ice
21	0.9 Dead+1.0 Wind 270 deg - No Ice
22	1.2 Dead+1.0 Wind 300 deg - No Ice
23	0.9 Dead+1.0 Wind 300 deg - No Ice
24	1.2 Dead+1.0 Wind 330 deg - No Ice

Comb. No.	Description
25	0.9 Dead+1.0 Wind 330 deg - No Ice
26	1.2 Dead+1.0 Ice+1.0 Temp
27	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp
28	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp
29	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp
30	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp
31	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp
32	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp
33	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp
34	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp
35	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp
36	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp
37	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp
38	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp
39	Dead+Wind 0 deg - Service
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	75 - 57.5	Pole	Max Tension	26	0.00	-0.00	0.00
			Max. Compression	26	-10.87	0.84	-0.57
			Max. Mx	20	-3.59	120.20	-0.73
			Max. My	14	-3.60	0.82	-119.43
			Max. Vy	8	6.26	-119.74	0.46
			Max. Vx	2	-6.22	-0.37	119.15
			Max. Torque	12			-0.47
L2	57.5 - 48.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-12.01	0.90	-0.63
			Max. Mx	20	-4.28	160.53	-0.92
			Max. My	14	-4.28	1.01	-159.55
			Max. Vy	8	6.68	-160.15	0.64
			Max. Vx	2	-6.64	-0.55	159.33
			Max. Torque	12			-0.46
L3	48.75 - 41	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-14.35	1.01	-0.72
			Max. Mx	8	-5.77	-232.41	0.93
			Max. My	2	-5.78	-0.84	231.12
			Max. Vy	8	7.40	-232.41	0.93
			Max. Vx	2	-7.35	-0.84	231.12
			Max. Torque	12			-0.46
L4	41 - 23.54	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-17.23	1.16	-0.86
			Max. Mx	8	-7.64	-346.76	1.34

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. My	2	-7.65	-1.26	344.62
			Max. Vy	8	8.34	-346.76	1.34
			Max. Vx	2	-8.28	-1.26	344.62
			Max. Torque	12			-0.46
L5	23.54 - 21	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-18.81	1.22	-0.91
			Max. Mx	8	-8.73	-393.37	1.49
			Max. My	2	-8.73	-1.41	390.86
			Max. Vy	8	8.72	-393.37	1.49
			Max. Vx	2	-8.65	-1.41	390.86
			Max. Torque	12			-0.46
L6	21 - 1	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-22.78	1.38	-1.06
			Max. Mx	8	-11.54	-577.95	2.05
			Max. My	2	-11.54	-1.98	573.88
			Max. Vy	8	9.77	-577.95	2.05
			Max. Vx	2	-9.68	-1.98	573.88
			Max. Torque	12			-0.46
L7	1 - 0	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-22.97	1.39	-1.07
			Max. Mx	8	-11.68	-587.73	2.08
			Max. My	2	-11.68	-2.01	583.58
			Max. Vy	8	9.82	-587.73	2.08
			Max. Vx	2	-9.73	-2.01	583.58
			Max. Torque	12			-0.46

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	26	22.97	-0.00	0.00
	Max. H_x	20	11.69	9.61	-0.03
	Max. H_z	2	11.69	-0.03	9.72
	Max. M_x	2	583.58	-0.03	9.72
	Max. M_z	8	587.73	-9.81	0.03
	Max. Torsion	24	0.46	4.78	8.28
	Min. Vert	9	8.77	-9.81	0.03
	Min. H_x	9	8.77	-9.81	0.03
	Min. H_z	15	8.77	0.03	-9.60
	Min. M_x	14	-579.98	0.03	-9.60
	Min. M_z	20	-582.18	9.61	-0.03
	Min. Torsion	12	-0.46	-4.79	-8.30

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	9.74	0.00	-0.00	0.14	0.19	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	11.69	0.03	-9.72	-583.58	-2.01	-0.40

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
0.9 Dead+1.0 Wind 0 deg - No Ice	8.77	0.03	-9.72	-577.87	-2.05	-0.39
1.2 Dead+1.0 Wind 30 deg - No Ice	11.69	4.83	-8.31	-502.68	-292.69	-0.23
0.9 Dead+1.0 Wind 30 deg - No Ice	8.77	4.83	-8.31	-497.77	-289.86	-0.23
1.2 Dead+1.0 Wind 60 deg - No Ice	11.69	8.35	-4.82	-291.62	-505.16	-0.00
0.9 Dead+1.0 Wind 60 deg - No Ice	8.77	8.35	-4.82	-288.79	-500.24	-0.00
1.2 Dead+1.0 Wind 90 deg - No Ice	11.69	9.81	-0.03	-2.08	-587.73	0.23
0.9 Dead+1.0 Wind 90 deg - No Ice	8.77	9.81	-0.03	-2.10	-582.05	0.23
1.2 Dead+1.0 Wind 120 deg - No Ice	11.69	8.58	4.92	294.33	-513.75	0.40
0.9 Dead+1.0 Wind 120 deg - No Ice	8.77	8.58	4.92	291.40	-508.77	0.39
1.2 Dead+1.0 Wind 150 deg - No Ice	11.69	4.79	8.30	501.30	-289.07	0.46
0.9 Dead+1.0 Wind 150 deg - No Ice	8.77	4.79	8.30	496.31	-286.29	0.46
1.2 Dead+1.0 Wind 180 deg - No Ice	11.69	-0.03	9.60	579.98	2.50	0.40
0.9 Dead+1.0 Wind 180 deg - No Ice	8.77	-0.03	9.60	574.23	2.41	0.40
1.2 Dead+1.0 Wind 210 deg - No Ice	11.69	-4.80	8.26	501.40	292.23	0.23
0.9 Dead+1.0 Wind 210 deg - No Ice	8.77	-4.80	8.26	496.40	289.28	0.23
1.2 Dead+1.0 Wind 240 deg - No Ice	11.69	-8.37	4.83	292.31	506.24	0.00
0.9 Dead+1.0 Wind 240 deg - No Ice	8.77	-8.37	4.83	289.39	501.18	0.00
1.2 Dead+1.0 Wind 270 deg - No Ice	11.69	-9.61	0.03	2.44	582.18	-0.23
0.9 Dead+1.0 Wind 270 deg - No Ice	8.77	-9.61	0.03	2.37	576.36	-0.23
1.2 Dead+1.0 Wind 300 deg - No Ice	11.69	-8.40	-4.82	-290.68	508.55	-0.40
0.9 Dead+1.0 Wind 300 deg - No Ice	8.77	-8.40	-4.82	-287.86	503.47	-0.40
1.2 Dead+1.0 Wind 330 deg - No Ice	11.69	-4.78	-8.28	-500.44	289.28	-0.46
0.9 Dead+1.0 Wind 330 deg - No Ice	8.77	-4.78	-8.28	-495.55	286.37	-0.46
1.2 Dead+1.0 Ice+1.0 Temp	22.97	0.00	-0.00	1.07	1.39	0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	22.97	0.01	-2.42	-158.64	0.95	-0.12
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	22.97	1.20	-2.07	-136.62	-78.64	-0.07
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	22.97	2.08	-1.20	-78.73	-136.84	-0.00
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	22.97	2.44	-0.01	0.62	-159.27	0.07
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	22.97	2.11	1.21	80.86	-137.67	0.12

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	22.97	1.19	2.07	138.46	-77.85	0.14
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	22.97	-0.01	2.39	159.94	1.94	0.12
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	22.97	-1.20	2.06	138.46	81.32	0.07
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	22.97	-2.08	1.20	81.03	139.87	0.00
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	22.97	-2.39	0.01	1.61	160.74	-0.07
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	22.97	-2.07	-1.19	-77.87	139.24	-0.12
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	22.97	-1.19	-2.07	-136.12	80.68	-0.14
Dead+Wind 0 deg - Service	9.74	0.01	-2.38	-142.07	-0.34	-0.10
Dead+Wind 30 deg - Service	9.74	1.18	-2.03	-122.36	-71.16	-0.06
Dead+Wind 60 deg - Service	9.74	2.04	-1.18	-70.94	-122.92	-0.00
Dead+Wind 90 deg - Service	9.74	2.40	-0.01	-0.40	-143.05	0.06
Dead+Wind 120 deg - Service	9.74	2.10	1.21	71.87	-125.11	0.10
Dead+Wind 150 deg - Service	9.74	1.17	2.03	122.23	-70.28	0.11
Dead+Wind 180 deg - Service	9.74	-0.01	2.35	141.41	0.75	0.10
Dead+Wind 210 deg - Service	9.74	-1.17	2.02	122.26	71.34	0.06
Dead+Wind 240 deg - Service	9.74	-2.05	1.18	71.32	123.47	0.00
Dead+Wind 270 deg - Service	9.74	-2.35	0.01	0.70	141.98	-0.06
Dead+Wind 300 deg - Service	9.74	-2.06	-1.18	-70.77	124.13	-0.10
Dead+Wind 330 deg - Service	9.74	-1.17	-2.03	-121.81	70.62	-0.11

Solution Summary

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX K	PY K	PZ K	PX K	PY K	PZ K	% Error
1	0.00	-9.74	0.00	-0.00	9.74	0.00	0.001%
2	0.03	-11.69	-9.73	-0.03	11.69	9.72	0.003%
3	0.03	-8.77	-9.73	-0.03	8.77	9.72	0.006%
4	4.83	-11.69	-8.31	-4.83	11.69	8.31	0.000%
5	4.83	-8.77	-8.31	-4.83	8.77	8.31	0.000%
6	8.35	-11.69	-4.82	-8.35	11.69	4.82	0.000%
7	8.35	-8.77	-4.82	-8.35	8.77	4.82	0.000%
8	9.81	-11.69	-0.03	-9.81	11.69	0.03	0.008%
9	9.81	-8.77	-0.03	-9.81	8.77	0.03	0.006%
10	8.58	-11.69	4.92	-8.58	11.69	-4.92	0.000%
11	8.58	-8.77	4.92	-8.58	8.77	-4.92	0.000%
12	4.79	-11.69	8.30	-4.79	11.69	-8.30	0.000%
13	4.79	-8.77	8.30	-4.79	8.77	-8.30	0.000%
14	-0.03	-11.69	9.60	0.03	11.69	-9.60	0.003%
15	-0.03	-8.77	9.60	0.03	8.77	-9.60	0.003%

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX K	PY K	PZ K	PX K	PY K	PZ K	% Error
16	-4.80	-11.69	8.26	4.80	11.69	-8.26	0.000%
17	-4.80	-8.77	8.26	4.80	8.77	-8.26	0.000%
18	-8.37	-11.69	4.83	8.37	11.69	-4.83	0.000%
19	-8.37	-8.77	4.83	8.37	8.77	-4.83	0.000%
20	-9.61	-11.69	0.03	9.61	11.69	-0.03	0.003%
21	-9.61	-8.77	0.03	9.61	8.77	-0.03	0.006%
22	-8.40	-11.69	-4.82	8.40	11.69	4.82	0.000%
23	-8.40	-8.77	-4.82	8.40	8.77	4.82	0.000%
24	-4.78	-11.69	-8.28	4.78	11.69	8.28	0.000%
25	-4.78	-8.77	-8.28	4.78	8.77	8.28	0.000%
26	0.00	-22.97	0.00	-0.00	22.97	0.00	0.003%
27	0.01	-22.97	-2.42	-0.01	22.97	2.42	0.002%
28	1.20	-22.97	-2.07	-1.20	22.97	2.07	0.001%
29	2.08	-22.97	-1.20	-2.08	22.97	1.20	0.001%
30	2.44	-22.97	-0.01	-2.44	22.97	0.01	0.002%
31	2.11	-22.97	1.21	-2.11	22.97	-1.21	0.001%
32	1.19	-22.97	2.07	-1.19	22.97	-2.07	0.001%
33	-0.01	-22.97	2.39	0.01	22.97	-2.39	0.002%
34	-1.20	-22.97	2.06	1.20	22.97	-2.06	0.001%
35	-2.08	-22.97	1.20	2.08	22.97	-1.20	0.001%
36	-2.40	-22.97	0.01	2.39	22.97	-0.01	0.002%
37	-2.07	-22.97	-1.19	2.07	22.97	1.19	0.001%
38	-1.19	-22.97	-2.07	1.19	22.97	2.07	0.001%
39	0.01	-9.74	-2.38	-0.01	9.74	2.38	0.006%
40	1.18	-9.74	-2.03	-1.18	9.74	2.03	0.006%
41	2.04	-9.74	-1.18	-2.04	9.74	1.18	0.006%
42	2.40	-9.74	-0.01	-2.40	9.74	0.01	0.006%
43	2.10	-9.74	1.21	-2.10	9.74	-1.21	0.006%
44	1.17	-9.74	2.03	-1.17	9.74	-2.03	0.006%
45	-0.01	-9.74	2.35	0.01	9.74	-2.35	0.006%
46	-1.17	-9.74	2.02	1.17	9.74	-2.02	0.006%
47	-2.05	-9.74	1.18	2.05	9.74	-1.18	0.006%
48	-2.35	-9.74	0.01	2.35	9.74	-0.01	0.006%
49	-2.06	-9.74	-1.18	2.06	9.74	1.18	0.006%
50	-1.17	-9.74	-2.03	1.17	9.74	2.03	0.006%

Non-Linear Convergence Results

Load Combination	*Converged?*	*Number of Cycles*	*Displacement Tolerance*	*Force Tolerance*
1	Yes	6	0.00000001	0.00000001
2	Yes	15	0.00000001	0.00007452
3	Yes	14	0.00000001	0.00013340
4	Yes	18	0.00000001	0.00007877
5	Yes	17	0.00000001	0.00014044
6	Yes	18	0.00000001	0.00008031
7	Yes	17	0.00000001	0.00014317
8	Yes	14	0.00006926	0.00013628
9	Yes	14	0.00000001	0.00010851
10	Yes	18	0.00000001	0.00008411
11	Yes	17	0.00000001	0.00014961
12	Yes	18	0.00000001	0.00007591
13	Yes	17	0.00000001	0.00013534
14	Yes	15	0.00000001	0.00009095
15	Yes	15	0.00000001	0.00007045
16	Yes	18	0.00000001	0.00008181
17	Yes	17	0.00000001	0.00014580
18	Yes	18	0.00000001	0.00008089
19	Yes	17	0.00000001	0.00014396
20	Yes	15	0.00000001	0.00007120
21	Yes	14	0.00000001	0.00012806
22	Yes	18	0.00000001	0.00007818
23	Yes	17	0.00000001	0.00013912
24	Yes	18	0.00000001	0.00008166
25	Yes	17	0.00000001	0.00014575
26	Yes	9	0.00000001	0.00002111
27	Yes	15	0.00000001	0.00012280
28	Yes	16	0.00000001	0.00008013
29	Yes	16	0.00000001	0.00008080
30	Yes	15	0.00000001	0.00012242
31	Yes	16	0.00000001	0.00008377
32	Yes	16	0.00000001	0.00008064
33	Yes	15	0.00000001	0.00012509
34	Yes	16	0.00000001	0.00008570
35	Yes	16	0.00000001	0.00008543
36	Yes	15	0.00000001	0.00012544
37	Yes	16	0.00000001	0.00008152
38	Yes	16	0.00000001	0.00008385
39	Yes	13	0.00000001	0.00009741
40	Yes	13	0.00000001	0.00008182
41	Yes	13	0.00000001	0.00008875
42	Yes	13	0.00000001	0.00009606
43	Yes	13	0.00000001	0.00010541
44	Yes	13	0.00000001	0.00007655
45	Yes	13	0.00000001	0.00009793
46	Yes	13	0.00000001	0.00009707
47	Yes	13	0.00000001	0.00009025
48	Yes	13	0.00000001	0.00009643
49	Yes	13	0.00000001	0.00007970
50	Yes	13	0.00000001	0.00010423

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	75 - 57.5	12.1046	43	1.5854	0.0070
L2	57.5 - 48.75	7.0677	43	1.0870	0.0022
L3	51.25 - 41	5.7056	43	0.9929	0.0018
L4	41 - 23.54	3.7285	43	0.8326	0.0013
L5	26.46 - 21	1.6160	43	0.5541	0.0007
L6	21 - 1	1.0223	43	0.4693	0.0006
L7	1 - 0	0.0024	43	0.0224	0.0000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
83.00	Beacon	43	12.1046	1.5854	0.0070	4775
76.50	BSAMNT-SBS-1-2 (Mount Bracket)	43	12.1046	1.5854	0.0070	4775

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	75 - 57.5	49.6660	10	6.4877	0.0283
L2	57.5 - 48.75	29.0023	10	4.4667	0.0089
L3	51.25 - 41	23.4143	10	4.0791	0.0073
L4	41 - 23.54	15.3024	10	3.4200	0.0053
L5	26.46 - 21	6.6329	10	2.2752	0.0029
L6	21 - 1	4.1958	10	1.9267	0.0024
L7	1 - 0	0.0097	10	0.0920	0.0001

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
83.00	Beacon	10	49.6660	6.4877	0.0283	1195
76.50	BSAMNT-SBS-1-2 (Mount Bracket)	10	49.6660	6.4877	0.0283	1195

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L1	75 - 57.5 (1)	TP14.24x11.5x0.1875	17.50	0.00	0.0	8.3630	-3.59	376.33	0.010
L2	57.5 - 48.75 (2)	TP15.61x14.24x0.5622	8.75	0.00	0.0	26.1550	-4.28	1036.44	0.004
L3	48.75 - 41 (3)	TP16.3811x14.0941x0.5948	10.25	0.00	0.0	29.8018	-5.77	1200.54	0.005
L4	41 - 23.54 (4)	TP19x16.3811x0.5358	17.46	0.00	0.0	30.6576	-7.64	1244.39	0.006
L5	23.54 - 21 (5)	TP18.8746x17.4904x0.529	5.46	0.00	0.0	29.7235	-8.39	1207.82	0.007
L6	21 - 1 (6)	TP21.8512x18.8746x0.4779	20.00	0.00	0.0	32.4175	-11.54	1326.33	0.009
L7	1 - 0 (7)	TP22x21.8512x0.4527	1.00	0.00	0.0	30.9613	-11.68	1270.65	0.009

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	75 - 57.5 (1)	TP14.24x11.5x0.1875	120.59	137.36	0.878	0.00	137.36	0.000
L2	57.5 - 48.75 (2)	TP15.61x14.24x0.5622	161.04	385.05	0.418	0.00	385.05	0.000
L3	48.75 - 41 (3)	TP16.3811x14.0941x0.5948	233.66	480.72	0.486	0.00	480.72	0.000
L4	41 - 23.54 (4)	TP19x16.3811x0.5358	349.02	573.37	0.609	0.00	573.37	0.000
L5	23.54 - 21 (5)	TP18.8746x17.4904x0.529	373.92	546.41	0.684	0.00	546.41	0.000
L6	21 - 1 (6)	TP21.8512x18.8746x0.4779	582.22	729.82	0.798	0.00	729.82	0.000
L7	1 - 0 (7)	TP22x21.8512x0.4527	592.09	705.81	0.839	0.00	705.81	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	75 - 57.5 (1)	TP14.24x11.5x0.1875	6.27	112.90	0.056	0.00	138.94	0.000
L2	57.5 - 48.75 (2)	TP15.61x14.24x0.5622	6.68	310.93	0.021	0.00	399.09	0.000
L3	48.75 - 41 (3)	TP16.3811x14.0941x0.5948	7.47	360.16	0.021	0.40	497.92	0.001
L4	41 - 23.54 (4)	TP19x16.3811x0.5358	8.42	373.32	0.023	0.40	589.33	0.001
L5	23.54 - 21 (5)	TP18.8746x17.4904x0.529	8.72	368.94	0.024	0.40	561.71	0.001
L6	21 - 1 (6)	TP21.8512x18.8746x0.4779	9.85	397.90	0.025	0.40	744.77	0.001
L7	1 - 0 (7)	TP22x21.8512x0.4527	9.90	381.20	0.026	0.40	719.32	0.001

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	75 - 57.5 (1)	0.010	0.878	0.000	0.056	0.000	0.891	1.050	4.8.2
L2	57.5 - 48.75 (2)	0.004	0.418	0.000	0.021	0.000	0.423	1.050	4.8.2
L3	48.75 - 41 (3)	0.005	0.486	0.000	0.021	0.001	0.491	1.050	4.8.2
L4	41 - 23.54 (4)	0.006	0.609	0.000	0.023	0.001	0.615	1.050	4.8.2
L5	23.54 - 21 (5)	0.007	0.684	0.000	0.024	0.001	0.692	1.050	4.8.2
L6	21 - 1 (6)	0.009	0.798	0.000	0.025	0.001	0.807	1.050	4.8.2
L7	1 - 0 (7)	0.009	0.839	0.000	0.026	0.001	0.849	1.050	4.8.2

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	75 - 57.5	Pole	TP14.24x11.5x0.1875	1	-3.59	395.15	84.8	Pass
L2	57.5 - 48.75	Pole	TP15.61x14.24x0.5622	2	-4.28	1088.26	40.3	Pass
L3	48.75 - 41	Pole	TP16.3811x14.0941x0.5948	3	-5.77	1260.57	46.8	Pass
L4	41 - 23.54	Pole	TP19x16.3811x0.5358	4	-7.64	1306.61	58.6	Pass
L5	23.54 - 21	Pole	TP18.8746x17.4904x0.529	5	-8.39	1268.21	65.9	Pass
L6	21 - 1	Pole	TP21.8512x18.8746x0.4779	6	-11.54	1392.65	76.9	Pass
L7	1 - 0	Pole	TP22x21.8512x0.4527	7	-11.68	1334.18	80.8	Pass
							Summary	
						Pole (L1)	84.8	Pass
						RATING =	**84.8**	**Pass**

APPENDIX B

ADDITIONAL CALCULATIONS

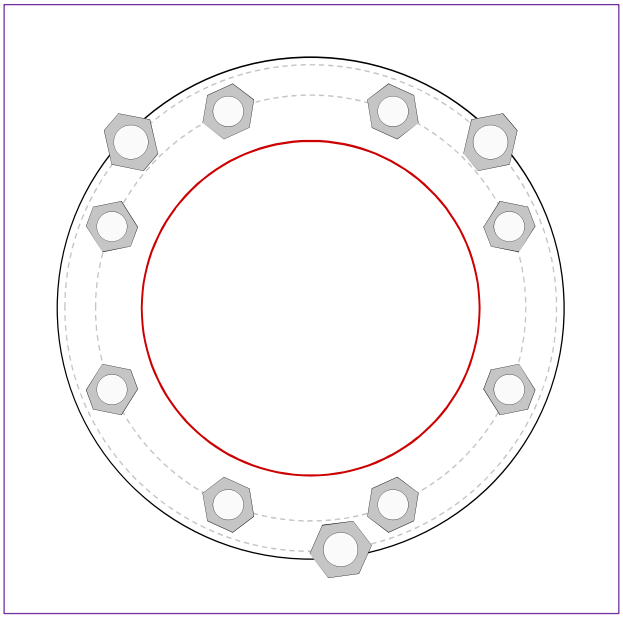
Monopole Base Plate Connection

Site Info	
Site Name	
Order #	

Analysis Considerations	
TIA-222 Revision	
Grout Considered:	See Custom Sheet
$_{ar}$ (in)	See Custom Sheet

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

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

GROUP 1: (8) 2" ø bolts (A36 N; Fy=36 ksi, Fu=58 ksi) on 28" BC

GROUP 2: (3) 2-1/4" ø bolts (Williams R71 N; Fy=120 ksi, Fu=125 ksi) on 32" BC

pos. (deg):

Base Plate Data

33" OD x 1.5" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Stiffener Data

Pole Data

22" x 0.25" 18-sided pole (A572-50; Fy=50 ksi, Fu=65 ksi)

Analysis Results

Anchor Rod Summary *(units of kips, kip-in)*

Pu_c = 84.05	ϕPn_c = 101.79	**Stress Rating**
Vu = 1.24	ϕVn = 45.8	
Mu = 2.11	ϕMn = 43.2	Pass
Pu_t = 136.01	ϕPn_t = 382.5	**Stress Rating**
Vu = 0	ϕVn = 191.25	
Mu = 0	ϕMn = 213.12	Pass

Base Plate Summary

Max Stress (ksi):	(Flexural)
Allowable Stress (ksi):	
Stress Rating:	Pass

CCIplate

Elevation (ft)	0	*(Base)*

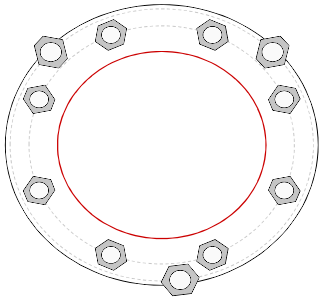
note: Bending interaction not considered when Grout Considered = "Yes"

Bolt Group	Resist Axial	Resist Shear	Induce Plate Bending	Grout Considered	Apply at BARB Elevation	BARB CL Elevation (ft)
1	Yes	Yes	Yes	No	No	
2	No	No	No	No	No	

Custom Bolt Connection

Bolt	Bolt Group ID	Location (deg.)	Diameter (in)	Material	Bolt Circle (in)	Eta Factor, n:	l_{ar} (in):	Thread Type	Area Override, in^2	Tension Only
1	1	22.5	2	A36	28	0.5	2.625	N-Included		No
2	1	67.5	2	A36	28	0.5	2.625	N-Included		No
3	1	112.5	2	A36	28	0.5	2.625	N-Included		No
4	1	157.5	2	A36	28	0.5	2.625	N-Included		No
5	1	202.5	2	A36	28	0.5	2.625	N-Included		No
6	1	247.5	2	A36	28	0.5	2.625	N-Included		No
7	1	292.5	2	A36	28	0.5	2.625	N-Included		No
8	1	337.5	2	A36	28	0.5	2.625	N-Included		No
9	2	43	2.25	Williams R71	32	0.5	2.625	N-Included	4.08	No
10	2	137	2.25	Williams R71	32	0.5	2.625	N-Included	4.08	No
11	2	277	2.25	Williams R71	32	0.5	2.625	N-Included	4.08	No

Plot Graphic



PAUL J. FORD & COMPANY

Date:	01/20/2022
Page:	1 of 2
Job Number:	42921-0019.002.7700
Site Number:	
Site Name:	E Granby CT
Client Project:	
Client Project 1:	
Engineer:	JGF

Version: 3.0 Effective: 1/29/2020

Composite Foundation Analysis

Applied Reactions for RISA-3D

TNX Moment =	592.1	k-ft
TNX Axial =	11.68	kips
TNX Shear =	9.90	kips
Total Unfactored Axial =	25.6	kips
TIA Standard =	H	
Capacity Normalization =	No	(Apply 1.05 per Rev H, 15.5)

Passive Pressure on Pad/Mat

Horiz Subgr Modulus =	200	kcf
Plate Width =	0.167	ft
Depth to Ignore =	2	ft
Pad Thickness =	3.5	ft
k (side) =	9.742	k/in
k (corner) =	4.871	k/in

Pad/Mat & Pier Input

Pier Number Sides =	4	
Pier Width/Diameter =	4	ft
Pier Height =	4.25	ft
Ht Above Grade =	0.25	ft (Pier or Pad)
Pad Thickness =	3.5	ft
Pad Width =	8	ft
Pad Length =	8	ft
Concrete Density =	150	pcf
Concrete f'c =	3	ksi
β1 =	0.85	
Rebar Fy =	60	ksi

Location =	Width	Length	
Top Bar Quantity =	8		
Top Bar Size #	8		
Top Clear Cover =	3		in
Bottom Bar Quantity =	8		
Bottom Bar Size #	8		
Bottom Clear Cover =	3		in

As, min =	7.26	in^2
Use Comp Side Rebar?	No	
Mu (Comp Top) =	115	k-ft
Mu (Comp Bot) =	59	k-ft

Pad/Mat Analysis

Location	Comp Side	c, in	d, in	εt, in/in	Mu, k-ft	Φ	ΦMn, k-ft	Ratio
Width	Top	2.65	37.50	-0.040	115.0	0.90	1290.3	8.9%
Width	Bot	2.65	37.50	-0.040	59.0	0.90	1290.3	4.6%

Soil Weight

Soil Unit Weight=	100	pcf
Apply Soil Weight =	Center Point	
Volume =	192.0	ft^3
Weight =	19.2	kips
Weight per Sq Ft =		ksf

Soil Modulus by Layer

Layer	Start, ft	End, ft	Vert, pci	Horiz, pci
1	0.0	1.5	200	200
2				
3				
4				

Rock Anchor Capacity

Anchor Type =	Rock Anchor	
Pile Type =	1" WILLIAMS R71	
Ag =	0.91	in^2
Ag Override =		in^2
E =	29000	ksi
Lu =	3.5	ft
k = An (E) / Lu =	627.0	k/in
Pu =	127.5	ksi
Capacity = 0.8 (Pu) =	102.0	kips
Capacity Override =		kips
Max Tension from RISA =	85.4	kips
Ratio =	**83.7%**	**OK**

Bearing Check

Max Bearing Load =	0.2218	kip
Plate Width =	0.167	ft
Plate Length =	0.167	ft
Design Brg Capacity =	100	ksf = Φqn
Bearing Pressure =	8.0	ksf
Ratio =	**11.0%**	**OK**

Subgrade Modulus Conversion

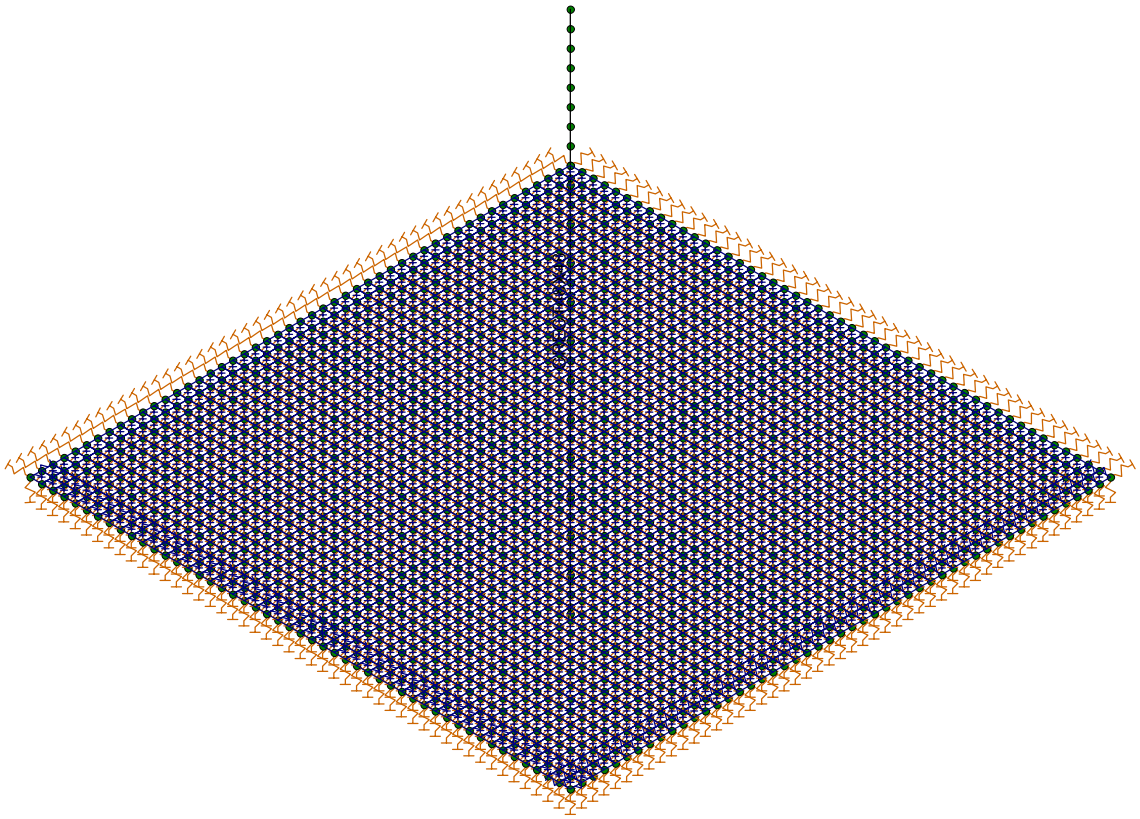
Subgrade Modulus =	116	pci
ks =	200.4	kcf

Pile Head Deflection Under Service Load

Pile Head Discplament =		in
Displacement Limit =	0.75	in
Code Compliance:	Acceptable	

Pile Head Deflection Under Ultimate Load

Pile Head Discplament =	0.5453	in
Displacement Limit =	1.5	in
Code Compliance:	Acceptable	



Envelope Only Solution

Paul J. Ford & Company	E GRANBY CT	SK - 1
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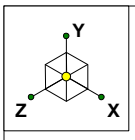

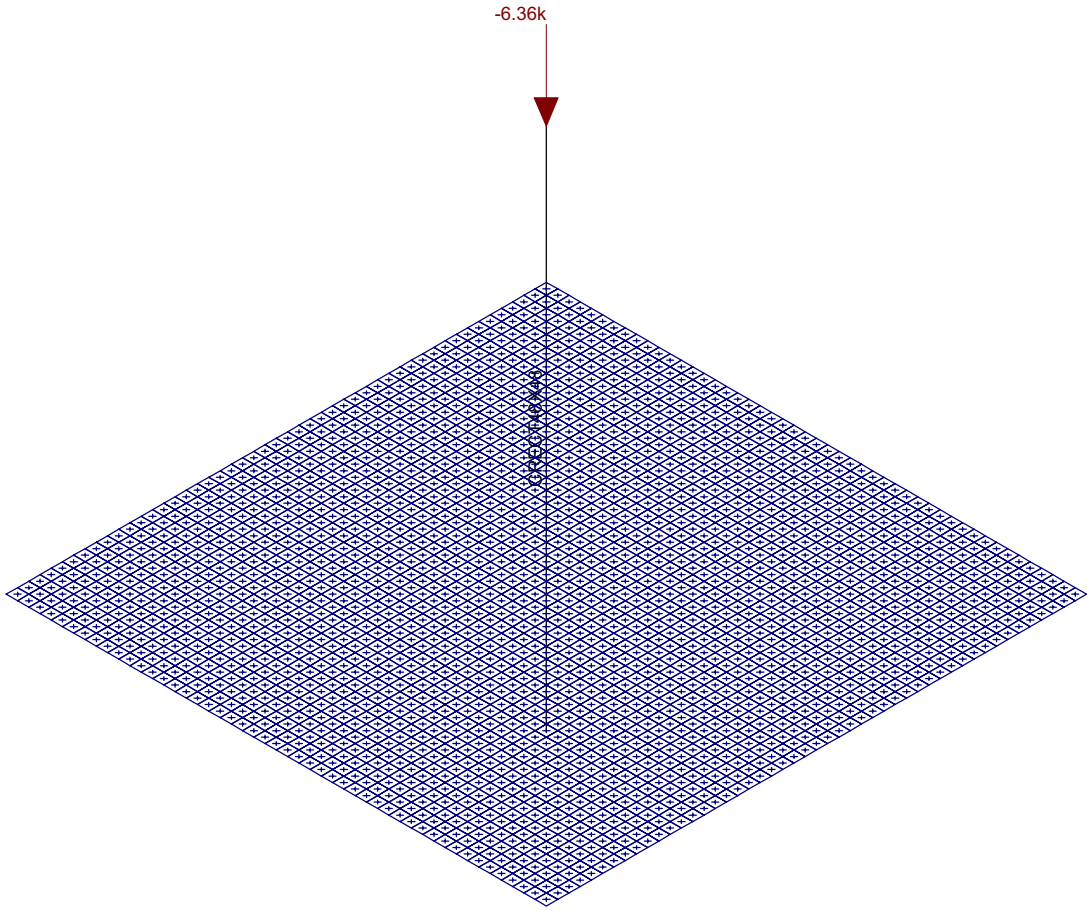

Loads: BLC 1, Dead
Envelope Only Solution

Paul J. Ford & Company	E GRANBY CT	SK - 2
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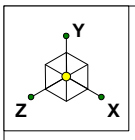

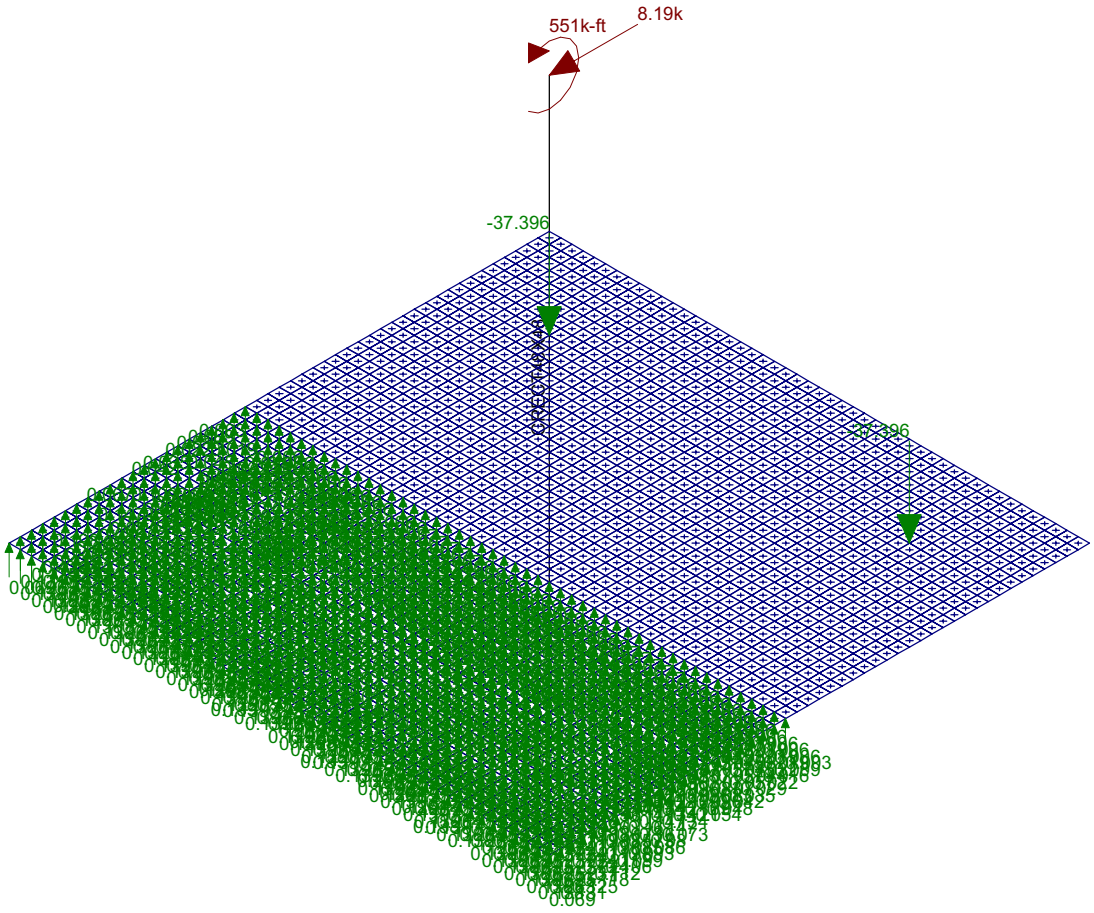

Loads: BLC 2, Wind 0
Results for LC 1, 1.2 Dead + Wind 0
Y-direction Reaction Units are k and k-ft

Paul J. Ford & Company	E GRANBY CT	SK - 3
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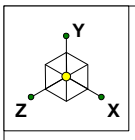
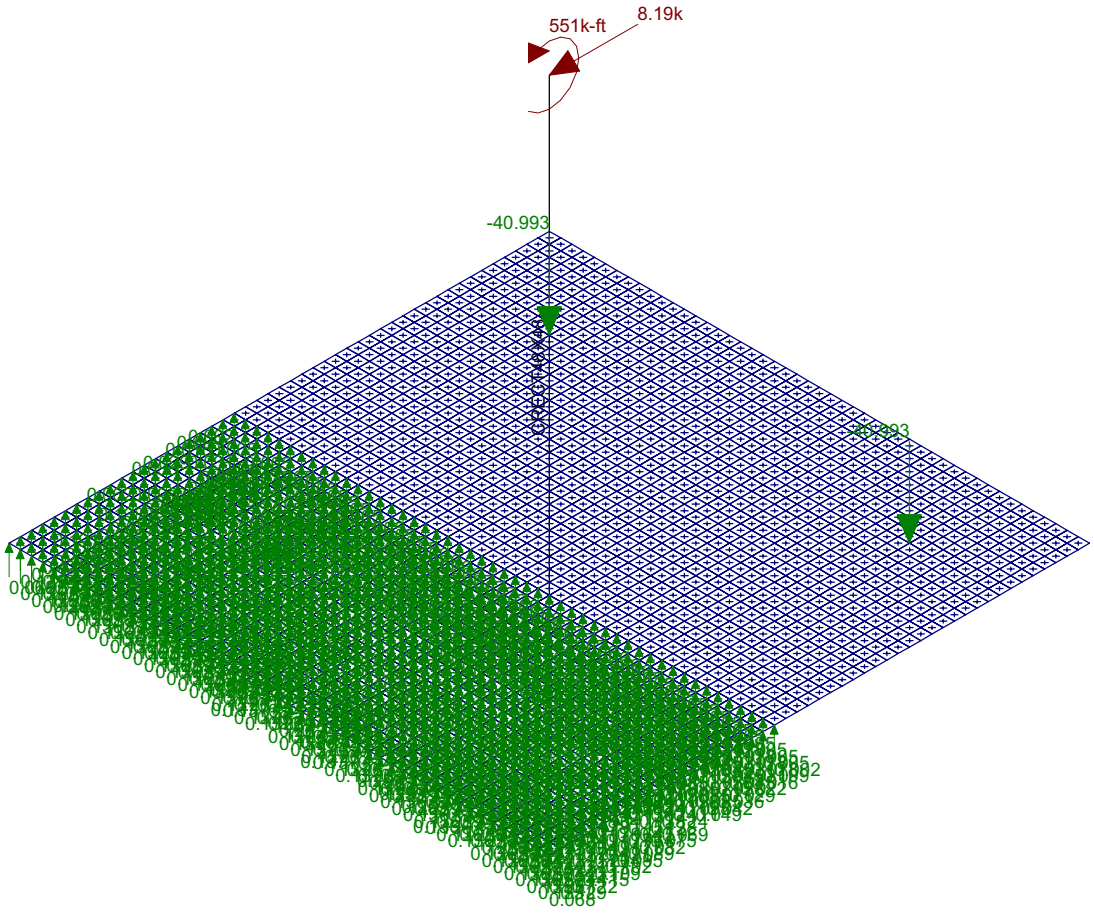




Loads: BLC 2, Wind 0
Results for LC 2, 0.9 Dead + Wind 0
Y-direction Reaction Units are k and k-ft

Paul J. Ford & Company	E GRANBY CT	SK - 4
JGF		Oct 27, 2021 at 9:15 AM
42921-0012.002.7805		42921-0012.002.7805_Flexible Fo...

(Global) Model Settings

Display Sections for Member Calcs	2
Max Internal Sections for Member Calcs	100
Include Shear Deformation?	Yes
Increase Nailing Capacity for Wind?	Yes
Include Warping?	Yes
Trans Load Btwn Intersecting Wood Wall?	Yes
Area Load Mesh (in^2)	144
Merge Tolerance (in)	.12
P-Delta Analysis Tolerance	0.50%
Include P-Delta for Walls?	Yes
Automatically Iterate Stiffness for Walls?	Yes
Max Iterations for Wall Stiffness	3
Gravity Acceleration (ft/sec^2)	32.2
Wall Mesh Size (in)	24
Eigensolution Convergence Tol. (1.E-)	4
Vertical Axis	Y
Global Member Orientation Plane	XZ
Static Solver	Sparse Accelerated
Dynamic Solver	Accelerated Solver

Hot Rolled Steel Code	AISC 15th(360-16): LRFD
Adjust Stiffness?	Yes(Iterative)
RISAConnection Code	None
Cold Formed Steel Code	None
Wood Code	None
Wood Temperature	< 100F
Concrete Code	ACI 318-14
Masonry Code	None
Aluminum Code	None - Building
Stainless Steel Code	None

Number of Shear Regions	4
Region Spacing Increment (in)	4
Biaxial Column Method	Exact Integration
Parme Beta Factor (PCA)	.65
Concrete Stress Block	Rectangular
Use Cracked Sections?	Yes
Use Cracked Sections Slab?	No
Bad Framing Warnings?	No
Unused Force Warnings?	Yes
Min 1 Bar Diam. Spacing?	No
Concrete Rebar Set	REBAR_SET_ASTMA615
Min % Steel for Column	1
Max % Steel for Column	8

(Global) Model Settings, Continued

Seismic Code	None
Seismic Base Elevation (ft)	Not Entered
Add Base Weight?	Yes
Ct X	.02
Ct Z	.02
T X (sec)	Not Entered
T Z (sec)	Not Entered
R X	3
R Z	3

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(...
1	Dead	None		-1		1				
2	Wind 0	None				2				
3	Wind 45	None				4				
4	Wind 90	None				2				
5	Wind 135	None				4				

Load Combinations

	Description	Solve	PDe..	SR...	B...	Fa...	BLC	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1	1.2 Dead + Wind 0	Yes	Y		1	1.2	2	1																
2	0.9 Dead + Wind 0	Yes	Y		1	.9	2	1																
3	1.2 Dead + Wind 45	Yes	Y		1	1.2	3	1																
4	0.9 Dead + Wind 45	Yes	Y		1	.9	3	1																
5	1.2 Dead + Wind 90	Yes	Y		1	1.2	4	1																
6	0.9 Dead + Wind 90	Yes	Y		1	.9	4	1																
7	1.2 Dead + Wind 135	Yes	Y		1	1.2	5	1																
8	0.9 Dead + Wind 135	Yes	Y		1	.9	5	1																
9	1.2 Dead + Wind 180	Yes	Y		1	1.2	2	-1																
10	0.9 Dead + Wind 180	Yes	Y		1	.9	2	-1																
11	1.2 Dead + Wind 225	Yes	Y		1	1.2	3	-1																
12	0.9 Dead + Wind 225	Yes	Y		1	.9	3	-1																
13	1.2 Dead + Wind 270	Yes	Y		1	1.2	4	-1																
14	0.9 Dead + Wind 270	Yes	Y		1	.9	4	-1																
15	1.2 Dead + Wind 315	Yes	Y		1	1.2	5	-1																
16	0.9 Dead + Wind 315	Yes	Y		1	.9	5	-1																

Joint Loads and Enforced Displacements (BLC 1 : Dead)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/ft, k*s^2*ft)]
1	CENTER	L	Y	-6.36

Joint Loads and Enforced Displacements (BLC 2 : Wind 0)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/ft, k*s^2*ft)]
1	CENTER	L	Mx	551
2	CENTER	L	Z	8.19

Joint Loads and Enforced Displacements (BLC 3 : Wind 45)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/ft, k*s^2*ft)]
1	CENTER	L	Mz	389.899
2	CENTER	L	Mx	389.899
3	CENTER	L	X	-5.791
4	CENTER	L	Z	5.791

Joint Loads and Enforced Displacements (BLC 4 : Wind 90)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/ft, k*s^2*ft)]
1	CENTER	L	Mz	551.4
2	CENTER	L	X	-8

Joint Loads and Enforced Displacements (BLC 5 : Wind 135)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/ft, k*s^2*ft)]
1	CENTER	L	Mz	389.899
2	CENTER	L	Mx	-389.899
3	CENTER	L	X	-5.791
4	CENTER	L	Z	-5.791

Concrete Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/...	Density[k/ft^3]	f'c[ksi]	Lambda	Flex Steel[ksi]	Shear Steel[ksi]
1	Conc3000NW	3156	1372	.15	.6	.145	3	1	60	60

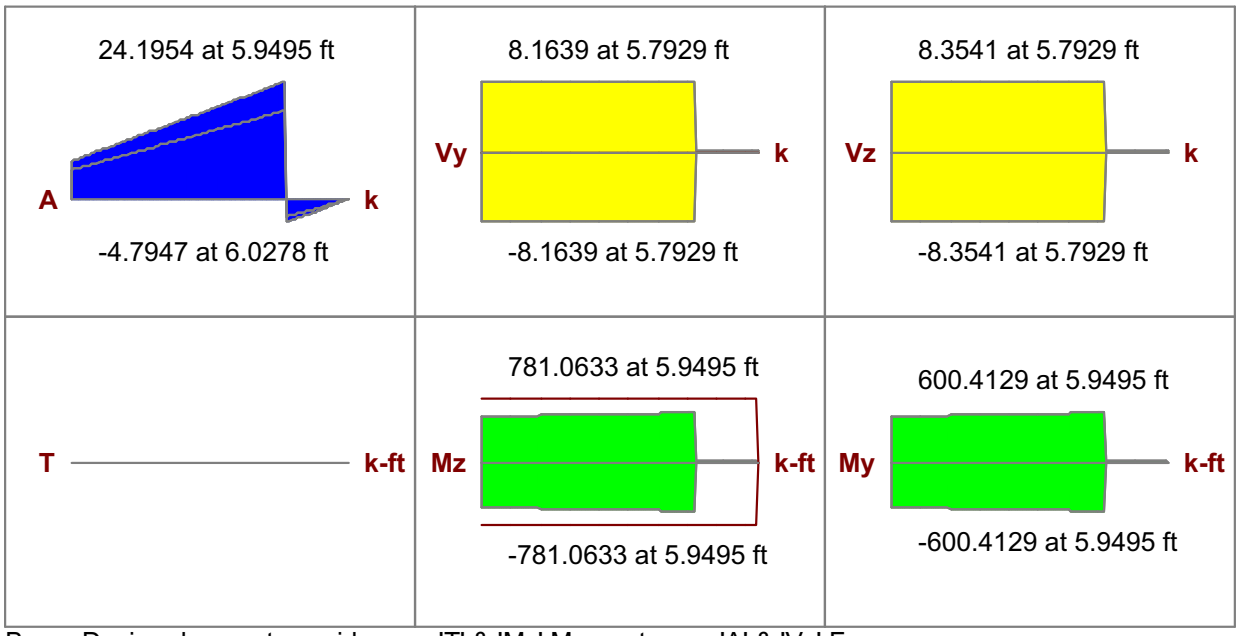
General Material Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E5 F)	Density[k/ft^3]
1	gen_Conc3NW	3155	1372	.15	.6	.145
2	gen_Steel	29000	11154	.3	.65	.49
3	RIGID	1e+6		.3	0	0

Beam: ***M1***

Shape:	**CRECT48X48**	Concrete Stress Block:	**Rectangular**
Material:	**Conc3000NW**	Cracked Sections Used:	**Yes**
Length:	**7.75 ft**	Cracked 'I' Factor:	**.35**
I Joint:	**CENTER**	Effective 'I':	**154828.8 in^4**
J Joint:	**N627**	Effective 'I'(Service):	**221405.184 in^4**

Code Check: **No Calc**
Report Based On 100 Sections

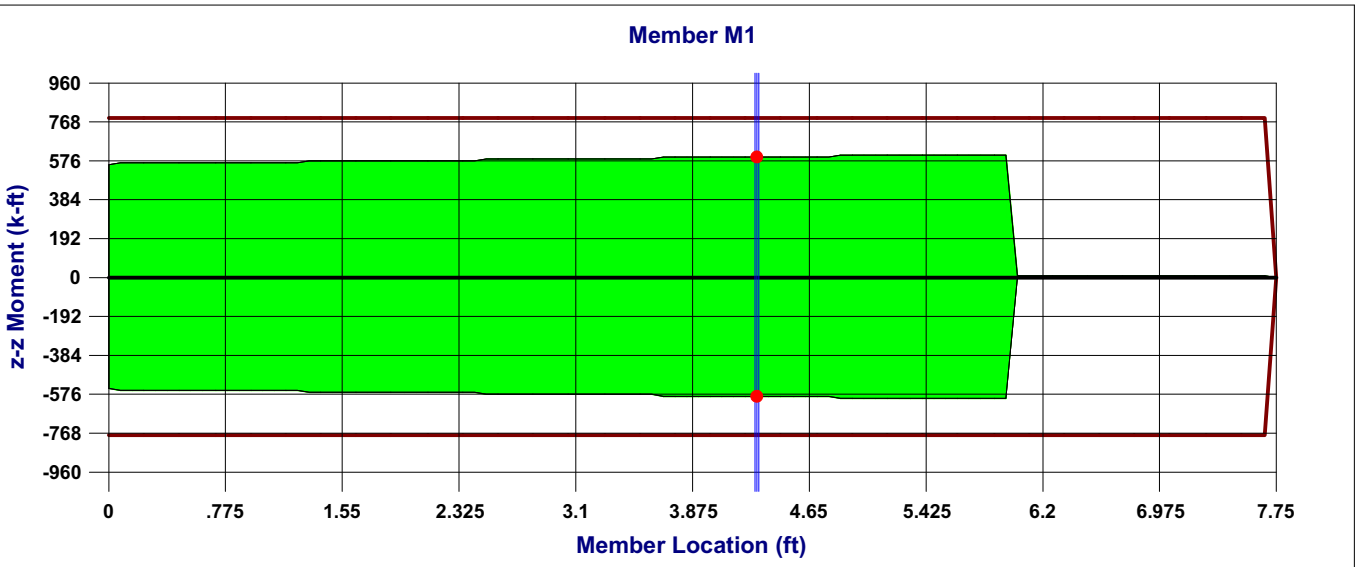


Beam Design does not consider any 'T' & 'My' Moments, nor 'A' & 'Vz' Forces.

Warning: No design for spans which qualify as 'Deep Beams'

ACI 318-14 Code Check

No Results to Display

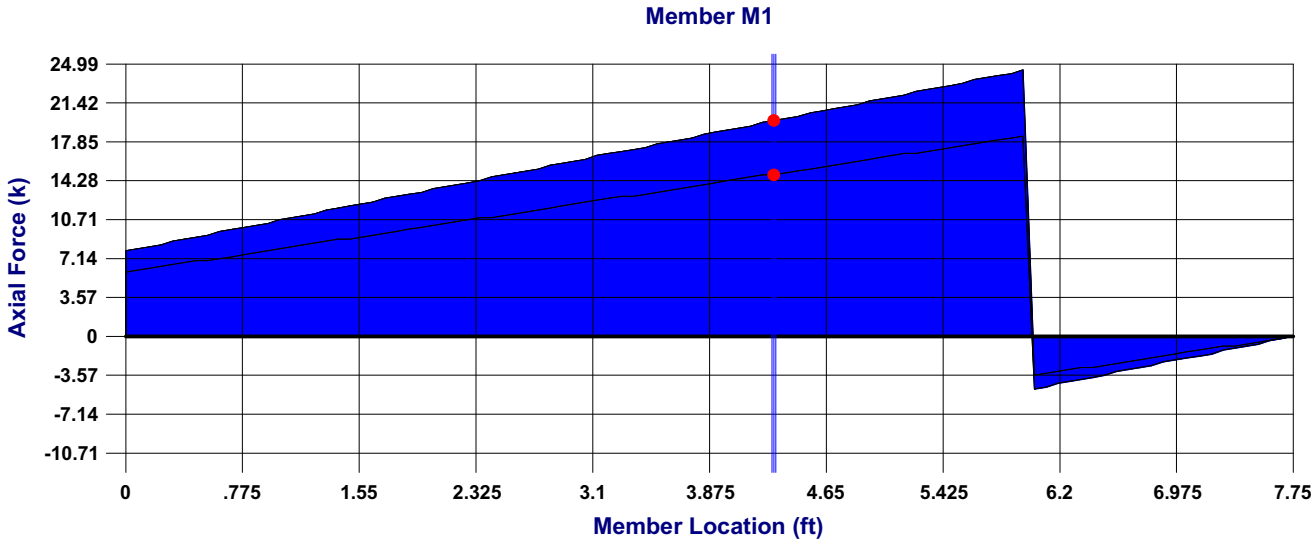


Selected Location Values:

Location: 4.306 ft

Mu(+): 586.28 k-ft

Mu(-): -586.28 k-ft

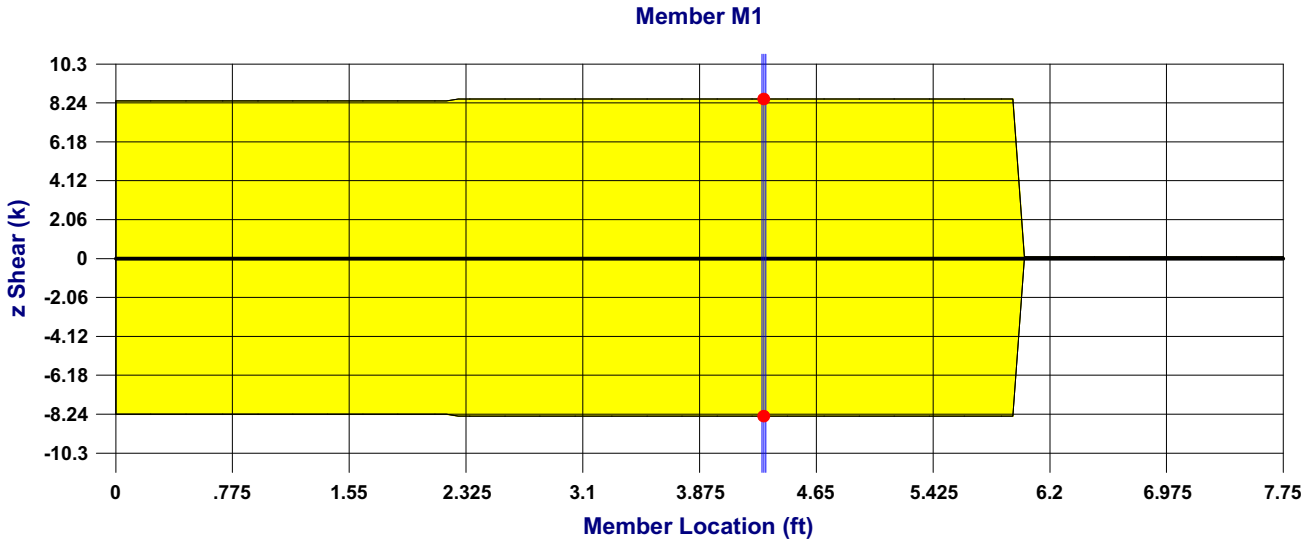


Selected Location Values:

Location: 4.306 ft

Axial(+): 19.619 k

Axial(-): 14.714 k



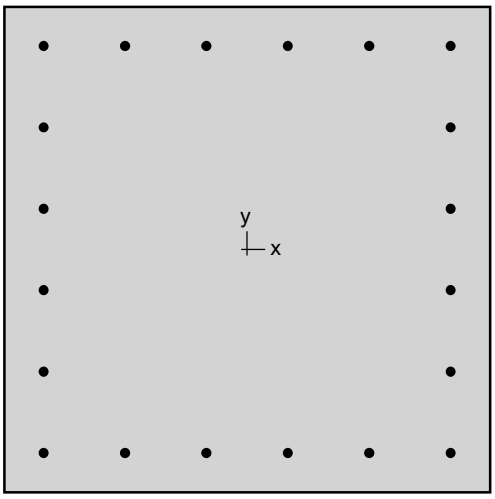
Selected Location Values:

Location: 4.306 ft

Vu(+): 8.331 k

Vu(-): -8.331 k

spColumn v7.00
Computer program for the Strength Design of Reinforced Concrete Sections



Contents

List of Figures

1. General Information

File Name	g:\tower\429_on air engineering\2021\...\pier.col
Project	---
Column	---
Engineer	---
Code	ACI 318-14
Bar Set	ASTM A615
Units	English
Run Option	Investigation
Run Axis	X - axis
Slenderness	Not Considered
Column Type	Structural
Capacity Method	Critical capacity

2. Material Properties

2.1. Concrete

Type	Standard	
f'_c	3	ksi
E_c	3122.02	ksi
f_c	2.55	ksi
ε_u	0.003	in/in
β_1	0.85	

2.2. Steel

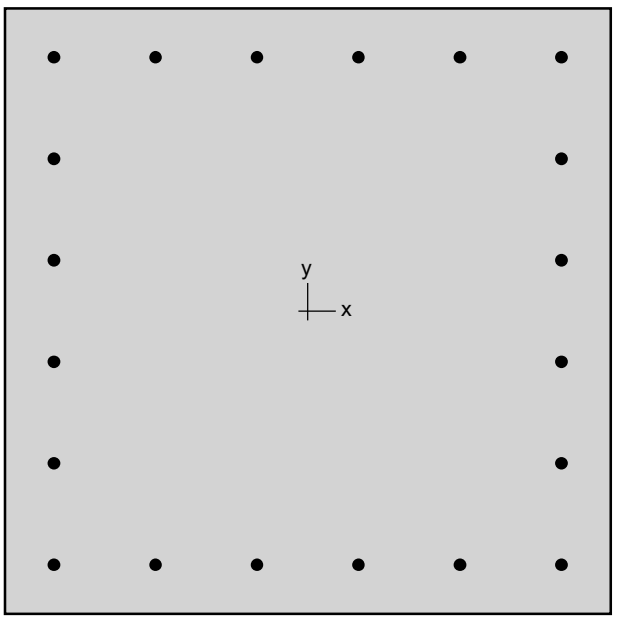
Type	Standard	
f_y	60	ksi
E_s	29000	ksi
ε_{yt}	0.00206897	in/in

3. Section

3.1. Shape and Properties

Type	Rectangular	
Width	48	in
Depth	48	in
A_g	2304	in^2
I_x	442368	in^4
I_y	442368	in^4
r_x	13.8564	in
r_y	13.8564	in
X_o	0	in
Y_o	0	in

3.2. Section Figure



Rectangular 48 x 48 in 0.69% reinf.

Figure 1: Column section

4. Reinforcement

4.1. Bar Set: ASTM A615

Bar	Diameter in	Area in^2	Bar	Diameter in	Area in^2	Bar	Diameter in	Area in^2
#3	0.38	0.11	#4	0.50	0.20	#5	0.63	0.31
#6	0.75	0.44	#7	0.88	0.60	#8	1.00	0.79
#9	1.13	1.00	#10	1.27	1.27	#11	1.41	1.56
#14	1.69	2.25	#18	2.26	4.00			

4.2. Confinement and Factors

Confinement type	Tied
For #10 bars or less	#3 ties
For larger bars	#4 ties
Capacity Reduction Factors	
Axial compression, (a)	0.8
Tension controlled ϕ, (b)	0.9
Compression controlled ϕ, (c)	0.65

4.3. Arrangement

Pattern	All sides equal
Bar layout	Rectangular
Cover to	Transverse bars
Clear cover	3 in
Bars	20 #8

Total steel area, A_s	15.80 in^2
Rho	0.69 %
Minimum clear spacing	7.05 in

(Note: Rho < 1.0%)

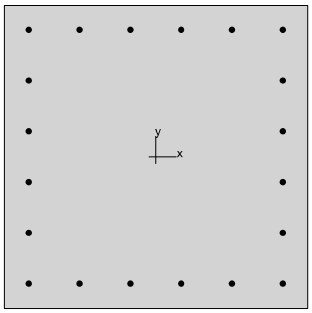
5. Factored Loads and Moments with Corresponding Capacity Ratios

NOTE: Calculations are based on "Critical Capacity" Method.

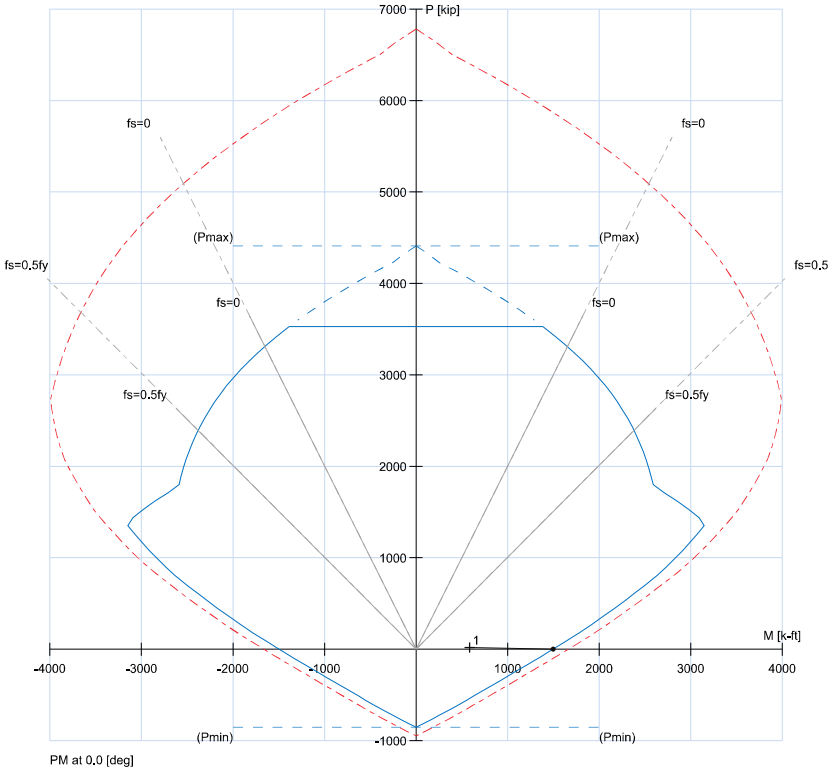
No.	Demand		Capacity		Parameters at Capacity			Capacity
	P_u	M_{ux}	ϕP_n	ϕM_{nx}	NA Depth	ε_t	ϕ	Ratio
	kip	k-ft	kip	k-ft	in			
1	19.62	586.28	0.00	1497.55	5.38	0.02159	0.900	0.71

6. Diagrams

6.1. PM at θ=0 [deg]



48 x 48 in



PM at 0.0 [deg]

General Information	
Project	—
Column	—
Engineer	—
Code	ACI 318-14
Bar Set	ASTM A615
Units	English
Run Option	Investigation
Run Axis	X - axis
Slenderness	Not Considered
Column Type	Structural
Capacity Method	Critical capacity

Materials	
f'_c	3 ksi
E_c	3122.02 ksi
f_y	60 ksi
E_s	29000 ksi

Section	
Type	Rectangular
Width	48 in
Depth	48 in
A_g	2304 in²
I_x	442368 in⁴
I_y	442368 in⁴

Reinforcement	
Pattern	All sides equal
Bar layout	Rectangular
Cover to	Transverse bars
Clear cover	3 in
Bars	20 #8
Confinement type	Tied
Total steel area, A_s	15.80 in²
Rho	0.69 %
Min. clear spacing	7.05 in

No.	P_u	M_{ux}	ϕP_n	ϕM_{nx}	Capacity
	kip	k-ft	kip	k-ft	Ratio
1	19.6	586.3	0.00	1497.55	0.71

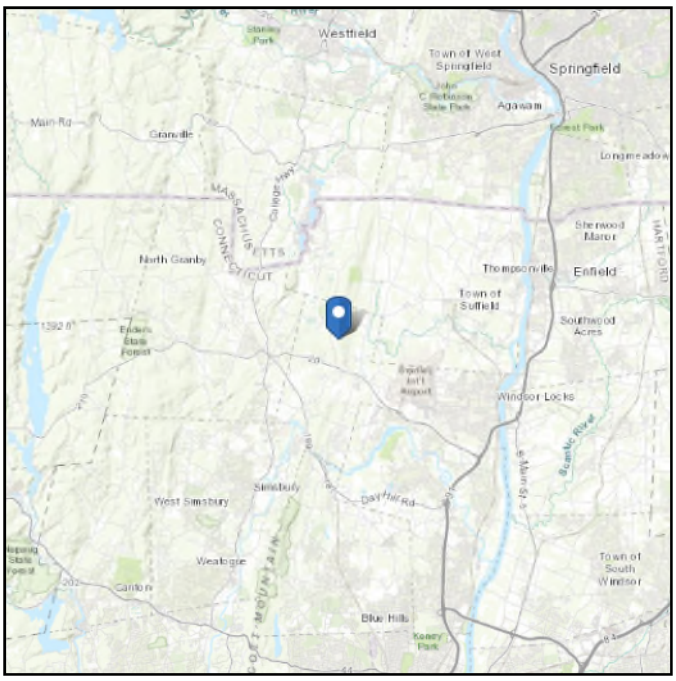
Max. Capacity Ratio: 0.71

ASCE 7 Hazards Report

Address:
No Address at This Location

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

Elevation: 662.96 ft (NAVD 88)
Latitude: 41.961625
Longitude: -72.7401



Wind

Results:

Wind Speed:	115 Vmph
10-year MRI	75 Vmph
25-year MRI	83 Vmph
50-year MRI	89 Vmph
100-year MRI	96 Vmph

Data Source:	ASCE/SEI 7-16, Fig. 26.5-1B and Figs. CC.2-1–CC.2-4, and Section 26.5.2
Date Accessed:	Wed Oct 06 2021

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

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

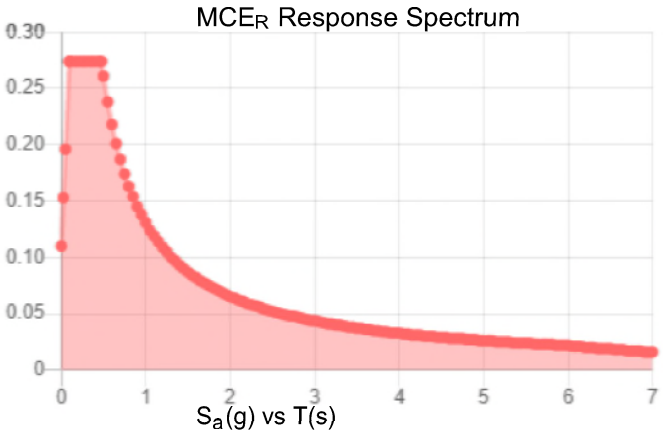
Seismic

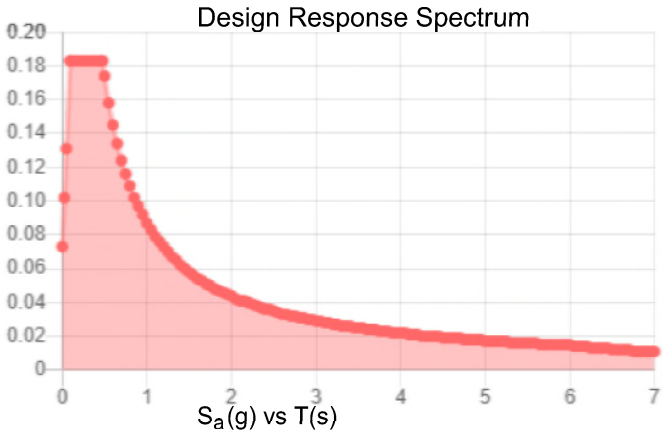
Site Soil Class: D - Default (see Section 11.4.3)

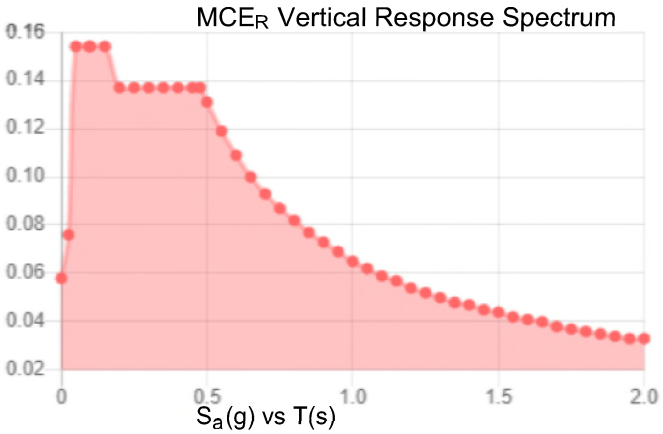
Results:

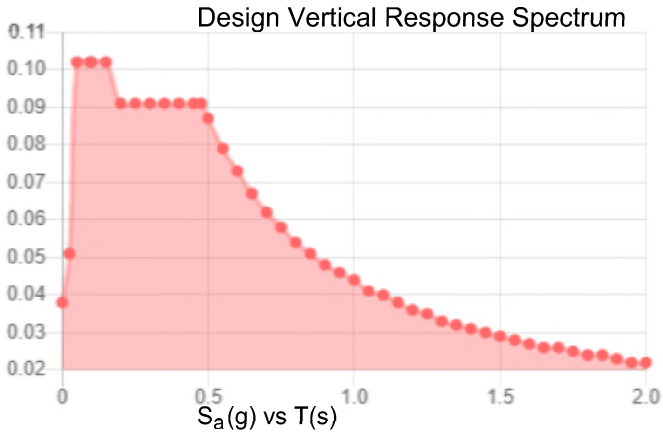
S_S :	0.171	S_{D1} :	0.087
S_1 :	0.054	T_L :	6
F_a :	1.6	PGA :	0.09
F_v :	2.4	PGA_M :	0.143
S_{MS} :	0.274	F_{PGA} :	1.6
S_{M1} :	0.131	I_e :	1
S_{DS} :	0.183	C_v :	0.7

Seismic Design Category B









Data Accessed: Wed Oct 06 2021

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

Ice

Results:

Ice Thickness:	1.50 in.
Concurrent Temperature:	5 F
Gust Speed:	50 mph
Data Source:	Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8
Date Accessed:	Wed Oct 06 2021

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

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

APPENDIX C

MODIFICATION DRAWINGS

MODIFIED 75'-0" MONOPOLE

VERIZON SITE NAME: E GRANBY CT

116 NEWGATE RD
EAST GRANBY, CONNECTICUT 06026
HARTFORD COUNTY
LAT: 41° 57' 41.85"; LONG: -72° 44' 24.36"

PROJECT CONTACTS

STRUCTURE OWNER:
VERIZON WIRELESS

ENGINEER OF RECORD:
PJFTELECOM@PAULJFORD.COM

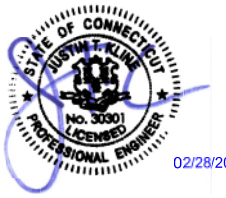
WIND DESIGN DATA	
REFERENCE STANDARD	ANSI/TIA-222-H-2017
LOCAL CODE	2018 CONNECTICUT STATE BUILDING CODE
BASIC WIND SPEED (MPH)	115
ICE THICKNESS (IN)	1.5
ICE WIND SPEED (MPH)	50
SERVICE WIND SPEED (MPH)	60
RISK CATEGORY	II
EXPOSURE CATEGORY	C
MAXIMUM TOPOGRAPHIC FACTOR, K_{ZT}	1.0

SHEET INDEX	
SHEET NUMBER	DESCRIPTION
T-1	TITLE SHEET
MI-1	MI CHECKLIST AND NOTES
N-1	GENERAL NOTES
N-2	GENERAL NOTES
S-1	MONOPOLE PROFILE
S-2	SHAFT REINFORCING
S-3	BASE PLATE DETAILS
S-4	ANCHOR BRACKET DETAILS

TOWER MANUFACTURER: SUMMIT

TOWER MANUFACTURER #: 936-D1

QUALIFIED ENGINEERING SERVICES ARE AVAILABLE FROM PAUL J. FORD & COMPANY TO ASSIST CONTRACTORS IN CLASS IV RIGGING PLAN REVIEWS. FOR REQUESTED QUALIFIED ENGINEERING SERVICES, PLEASE CONTACT PJFMOD@PAULJFORD.COM.



02/28/2022

REV	DATE	DESCRIPTION

PAUL J. FORD & COMPANY
250 E Broad St. Ste 600 Columbus, OH 43215
Phone 614.221.6679
www.pauljford.com

VERIZON WIRELESS
88 FOUNDRY POND ROAD COLD SPRING, NY 10516
PH:(201) 456-4624

VERIZON SITE NAME: E GRANBY CT
EAST GRANBY, CONNECTICUT
MODIFIED 75'-0" MONOPOLE

PROJECT No:	42921-0019.002.7700
DRAWN BY:	BJH
DESIGNED BY:	NCM
CHECKED BY:	JTK
DATE:	1/20/2022

TITLE SHEET

T-1

V1.0.42921-0019.002.DWG

POST-MODIFICATION CHECKLIST

REQUIRED	REPORT ITEM	BRIEF DESCRIPTION
		PRE-CONSTRUCTION
X	MI CHECKLIST DRAWING	THIS CHECKLIST SHALL BE INCLUDED IN THE MI REPORT
X	EOR APPROVED SHOP DRAWINGS	FABRICATION DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW. THE CONTRACTOR SHALL PROVIDE THE APPROVED SHOP DRAWINGS TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT. SEE SHOP DRAWING NOTES.
X	FABRICATION INSPECTION	A LETTER FROM THE FABRICATOR, STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH INDUSTRY STANDARDS AND THE CONTRACT DOCUMENTS SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT.
X	FABRICATOR CERTIFIED WELD INSPECTION	CRITICAL SHOP WELDS THAT REQUIRE TESTING ARE NOTED ON THESE CONTRACT DRAWINGS. A CERTIFIED WELD INSPECTOR SHALL PERFORM NON-DESTRUCTIVE TESTING AND A REPORT SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT.
X	MATERIAL TEST REPORT (MTR)	MILL CERTIFICATION SHALL BE PROVIDED FOR ALL STEEL WITH A YIELD STRENGTH GREATER THAN 36 KSI AND THIS DOCUMENTATION SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT.
NA	FABRICATOR NDE INSPECTION	A VISUAL OBSERVATION OF A PORTION OF THE EXISTING STRUCTURE (AS NOTED ON THESE DRAWINGS) IS REQUIRED AND A WRITTEN REPORT SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT.
NA	NDE REPORT OF MONOPOLE BASE PLATE (AS REQUIRED)	A VISUAL OBSERVATION OF THE POLE TO BASE PLATE CONNECTION IS REQUIRED AND A WRITTEN REPORT SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT.
X	PACKING SLIPS	THE MATERIAL SHIPPING LIST SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT.
		CONSTRUCTION
X	CONSTRUCTION INSPECTIONS	A LETTER FROM THE GENERAL CONTRACTOR STATING THAT THE WORKMANSHIP WAS PERFORMED IN ACCORDANCE WITH INDUSTRY STANDARDS AND THESE CONTRACT DRAWINGS SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT.
NA	FOUNDATION INSPECTIONS	A VISUAL OBSERVATION OF THE EXCAVATION AND REBAR SHALL BE PERFORMED BEFORE PLACING THE CONCRETE. A WRITTEN REPORT SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT.
NA	CONCRETE COMP. STRENGTH AND SLUMP TESTS	THE CONCRETE MIX DESIGN, SLUMP TEST, AND COMPRESSIVE STRENGTH TESTS SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT.
X	POST INSTALLED ANCHOR ROD VERIFICATION	ANCHOR ROD INSTALLATION SHALL INCLUDE VERIFICATION BY LETTER AND PHOTOGRAPHIC DOCUMENTATION.
X	BASE PLATE GROUT VERIFICATION	A LETTER FROM THE GENERAL CONTRACTOR SHALL BE PROVIDED TO THE MI INSPECTOR THAT CERTIFIES THAT THE GROUT WAS INSTALLED IN ACCORDANCE WITH INDUSTRY STANDARD FOR INCLUSION IN THE MI REPORT.
NA	CONTRACTOR'S CERTIFIED WELD INSPECTION	A CERTIFIED WELD INSPECTOR SHALL INSPECT AND TEST AS NECESSARY ALL FIELD WELDS AND A REPORT SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT. PRE, DURING AND POST WELD INSPECTION IS REQUIRED.
NA	EARTHWORK: LIFT AND DENSITY	FOUNDATION SUB-GRADES SHALL BE INSPECTED AND APPROVED BY A GEOTECHNICAL ENGINEER AND A REPORT SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT.
X	ON SITE COLD GALVANIZING VERIFICATION	THE GENERAL CONTRACTOR SHALL PROVIDE DOCUMENTATION TO THE MI INSPECTOR VERIFYING THAT ANY ON-SITE COLD GALVANIZING WAS APPLIED FOR FIELD PUNCHED/DRILLED HOLES.
NA	GUY WIRE TENSION REPORT	THE GENERAL CONTRACTOR SHALL PROVIDE A REPORT TO THE MI INSPECTOR INDICATING THE TEMPERATURE AND TENSION IN EVERY GUY CABLE FOR INCLUSION IN THE MI REPORT.
X	GC AS-BUILT DOCUMENTS	THE GENERAL CONTRACTOR SHALL SUBMIT A COPY OF THE CONTRACT DRAWINGS EITHER STATING "INSTALLED AS DESIGNED" OR NOTING ANY CHANGES THAT WERE REQUIRED AND APPROVED BY THE ENGINEER OF RECORD DUE TO FIELD CONDITIONS.
NA	MAGNI 565 COATING VERIFICATION	THE GENERAL CONTRACTOR SHALL PROVIDE DOCUMENTATION TO THE MI INSPECTOR VERIFYING THAT ANY MAGNI 565 COATING WAS APPLIED IN ACCORDANCE PER ASTM F1136.
NA	MICROPILE / ROCK ANCHOR	THE GENERAL CONTRACTOR SHALL PROVIDE INSTALLER'S DRILLING AND INSTALLATION LOGS AND QA/QC DOCUMENTATION TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT.
		POST-CONSTRUCTION
X	MI INSPECTOR REDLINE OR RECORD DRAWING(S)	THE MI INSPECTOR SHALL OBSERVE AND REPORT ANY DISCREPANCIES BETWEEN THE CONTRACTORS REDLINE DRAWING AND THE ACTUAL COMPLETED INSTALLATION.
X	POST INSTALLED ANCHOR ROD PULL TESTING	POST INSTALLED ANCHOR RODS SHALL BE TESTED IN ACCORDANCE WITH INDUSTRY STANDARD AND A REPORT SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT.
X	PHOTOGRAPHS	PHOTOGRAPHS SHALL BE SUBMITTED TO THE MI WHICH DOCUMENT ALL PHASES OF THE CONSTRUCTION. THE PHOTOS SHALL BE ORGANIZED IN A MANNER THAT EASILY IDENTIFIES THE EXACT LOCATION OF THE PHOTO.
NA	POST INSTALLED MICROPILE / ROCK ANCHOR TESTING	POST INSTALLED ANCHORS SHALL BE TESTED AND INSPECTED IN ACCORDANCE WITH SPECIFICATION STATED ON MICROPILE/ROCK ANCHOR NOTES.

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

MODIFICATION INSPECTION NOTES:

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

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

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

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

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

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

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

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

THE GC SHALL PERFORM AND RECORD THE TEST AND INSPECTION RESULTS IN ACCORDANCE WITH INDUSTRY STANDARD.

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

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

CANCELLATION OR DELAYS IN SCHEDULED MI
IF THE GC AND MI INSPECTOR AGREE TO A DATE ON WHICH THE MI WILL BE CONDUCTED, AND EITHER PARTY CANCELS OR DELAYS, THE TOWER OWNER SHALL NOT BE RESPONSIBLE FOR ANY COSTS, FEES, LOSS OF DEPOSITS AND/OR OTHER PENALTIES RELATED TO THE CANCELLATION OR DELAY INCURRED BY EITHER PARTY FOR ANY TIME (E.G. TRAVEL AND LODGING, COSTS OF KEEPING EQUIPMENT ON-SITE, ETC.). IF THE TOWER OWNER CONTRACTS DIRECTLY FOR A THIRD PARTY MI, EXCEPTIONS MAY BE MADE IN THE EVENT THAT THE DELAY/CANCELLATION IS CAUSED BY WEATHER OR OTHER CONDITIONS THAT MAY COMPROMISE THE SAFETY OF THE PARTIES INVOLVED.

CORRECTION OF FAILING MI'S
IF THE MODIFICATION INSTALLATION WOULD FAIL THE MI ("FAILED MI"), THE GC SHALL WORK WITH THE EOR TO COORDINATE A REMEDIATION PLAN IN ONE OF TWO WAYS:

- CORRECT FAILING ISSUES TO COMPLY WITH THE SPECIFICATIONS CONTAINED IN THE ORIGINAL CONTRACT DOCUMENTS AND COORDINATE A SUPPLEMENT MI.
- OR, WITH OWNER'S APPROVAL, THE GC MAY WORK WITH THE EOR TO RE-ANALYZE THE MODIFICATION/REINFORCEMENT USING THE AS-BUILT CONDITION

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

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

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

THIS IS NOT A COMPLETE LIST OF REQUIRED PHOTOS, PLEASE COORDINATE WITH THE MI.

SHOP DRAWINGS
EOR APPROVED SHOP DRAWINGS CAN BE PROVIDED AS AN ADDITIONAL SCOPE OF SERVICE. IF REQUIRED, PLEASE CONTACT PJF FOR ADDITIONAL INFORMATION.

STATE OF CONNECTICUT
JUSTIN T. KLINE
No. 30301
LICENSED
PROFESSIONAL ENGINEER

02/28/2022

REV	DATE	DESCRIPTION

PAUL J. FORD & COMPANY
250 E Broad St. Ste 600 Columbus, OH 43215
Phone 614.221.6679
www.pauljford.com

VERIZON WIRELESS
88 FOUNDRY POND ROAD COLD SPRING, NY 10516
PH: (201) 436-4624

VERIZON SITE NAME: E GRANBY CT
EAST GRANBY, CONNECTICUT
MODIFIED 75'-0" MONOPOLE

PROJECT No:	42921-0019.002.7700
DRAWN BY:	BJH
DESIGNED BY:	NCM
CHECKED BY:	JTK
DATE:	1/20/2022

MI CHECKLIST AND NOTES

MI-1

V1.0.42921-0019.002.DWG

VERIZON WIRELESS PROJECT: VERIZON SITE NAME: E GRANBY CT; EAST GRANBY, CONNECTICUT
MONOPOLE RETROFIT PROJECT MASTER NOTES DOCUMENT (REV. 3, 02/05/2015)

1. GENERAL NOTES

1.1. THESE DRAWINGS WERE PREPARED FROM INFORMATION AND DOCUMENTS PROVIDED BY OWNER. THE INFORMATION PROVIDED HAS NOT BEEN FIELD VERIFIED BY THE ENGINEER OF RECORD (EOR) FOR ACCURACY AND THEREFORE DISCREPANCIES BETWEEN THESE DRAWINGS AND ACTUAL SITE CONDITIONS SHOULD BE ANTICIPATED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AND COORDINATE WITH THE AVAILABLE SOURCES OF INFORMATION ABOVE AND WITH THE PROJECT DRAWINGS BEFORE PROCEEDING WITH THE WORK. CONTRACTOR SHALL IMMEDIATELY REPORT ANY AND ALL DISCREPANCIES TO THE EOR AND OWNER FIELD PERSONNEL BEFORE PROCEEDING WITH THE WORK.

1.2. THE MONOPOLE STRUCTURE IN ITS EXISTING CONDITION DOES NOT HAVE THE STRUCTURAL CAPACITY TO CARRY ALL OF THE ANTENNA AND PLATFORM LOADS SHOWN ON THESE DRAWINGS AT THE REQUIRED MINIMUM WIND SPEEDS. DO NOT INSTALL ANY ADDITIONAL OR NEW ANTENNA AND PLATFORM LOADS UNTIL THE MONOPOLE REINFORCING SYSTEM IS COMPLETELY AND SUCCESSFULLY INSTALLED.

1.3. IF MATERIALS, QUANTITIES, STRENGTHS OR SIZES INDICATED BY THE DRAWINGS OR SPECIFICATIONS ARE NOT IN AGREEMENT WITH THESE NOTES, THE BETTER QUALITY AND/OR GREATER QUANTITY, STRENGTH OR SIZE INDICATED, SPECIFIED OR NOTED SHALL BE PROVIDED.

1.4. THIS STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE INSTALLATION OF THE REINFORCING REPAIR SYSTEM HAS BEEN SUCCESSFULLY COMPLETED. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO ENSURE THE SAFETY AND STABILITY OF THE MONOPOLE AND ITS COMPONENT PARTS DURING FIELD MODIFICATIONS. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF WHATEVER TEMPORARY BRACING, GUYS OR TIE DOWNS THAT MAY BE NECESSARY. SUCH MATERIAL SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER THE COMPLETION OF THE PROJECT.

1.5. ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN AND SHALL MEET ANSI/ASSE A10.48 (LATEST EDITION); FEDERAL, STATE, AND LOCAL REGULATIONS; AND ANY APPLICABLE INDUSTRY CONSENSUS STANDARDS RELATED TO THE CONSTRUCTION ACTIVITIES BEING PERFORMED. ALL RIGGING PLANS SHALL ADHERE TO ANSI/ASSE A10.48 (LATEST EDITION) INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION TO CERTIFY THE SUPPORTING STRUCTURE(S) IN ACCORDANCE WITH THE ANSI/TIA-322 (LATEST EDITION).

1.6. OBSERVATION VISITS TO THE SITE BY OWNER AND/OR THE EOR SHALL NOT INCLUDE INSPECTIONS OF THE PROTECTIVE MEASURES OR THE CONSTRUCTION PROCEDURES.

1.7. ANY SUPPORT SERVICES PERFORMED BY THE EOR DURING CONSTRUCTION ARE SOLELY FOR THE PURPOSE OF ASSISTING IN QUALITY CONTROL AND IN ACHIEVING GENERAL CONFORMANCE WITH CONTRACT DOCUMENTS. THEY DO NOT GUARANTEE CONTRACTOR'S PERFORMANCE AND SHALL NOT BE CONSTRUED AS SUPERVISION OF CONSTRUCTION.

1.8. ALL MATERIALS AND EQUIPMENT FURNISHED SHALL BE NEW AND OF GOOD QUALITY, FREE FROM FAULTS AND DEFECTS AND IN CONFORMANCE WITH THE CONTRACT DOCUMENTS. ANY AND ALL SUBSTITUTIONS MUST BE PROPERLY APPROVED AND AUTHORIZED IN WRITING BY OWNER AND EOR PRIOR TO INSTALLATION. THE CONTRACTOR SHALL FURNISH SATISFACTORY EVIDENCE AS TO THE KIND AND QUALITY OF MATERIALS AND EQUIPMENT BEING SUBSTITUTED.

1.9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THIS PROJECT AND RELATED WORK COMPLIES WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL SAFETY CODES AND REGULATIONS GOVERNING THIS WORK AS WELL AS OWNER SAFETY GUIDELINES.

1.10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING AND NEW COAXIAL CABLES AND OTHER EQUIPMENT DURING CONSTRUCTION.

1.11. ANY EXISTING ATTACHMENTS AND/OR PROJECTIONS ON THE POLE THAT MAY INTERFERE WITH THE INSTALLATION OF THE REINFORCING SYSTEM WILL HAVE TO BE REMOVED AND RELOCATED, REPLACED, OR RE-INSTALLED AS REQUIRED AFTER THE REINFORCING IS SUCCESSFULLY COMPLETED. THE CONTRACTOR SHALL IDENTIFY AND COORDINATE THESE ITEMS PRIOR TO CONSTRUCTION WITH OWNER, TESTING AGENCY, AND EOR.

1.12. ANY AND ALL EXISTING PLATFORMS THAT ARE LOCATED IN AREAS OF THE POLE SHAFT WHERE SHAFT REINFORCING MUST BE APPLIED SHALL BE TEMPORARILY REMOVED OR OTHERWISE SUPPORTED TO PERMIT NEW CONTINUOUS REINFORCEMENT TO BE ATTACHED. AFTER THE CONTRACTOR HAS SUCCESSFULLY INSTALLED THE MONOPOLE REINFORCEMENT SYSTEM, THE CONTRACTOR SHALL RE-INSTALL THE PLATFORMS.

1.13. THE CLIMBING FACILITIES, SAFETY CLIMB AND ALL PARTS THEREOF SHALL NOT BE IMPEDED, MODIFIED OR ALTERED WITHOUT THE EXPRESS APPROVAL OF THE EOR.

1.14. ALL SOLUTIONS FOR THE REPLACEMENT, RELOCATION OR MODIFICATION OF THE SAFETY CLIMB AND/OR ANY OF THE MONOPOLE CLIMBING FACILITIES SHALL BE COORDINATED WITH TUF-TUG. CONTACT DETAILS:

TUFTUG PRODUCTS
3434 ENCRETE LANE
MORAINE, OHIO 45439
PHONE: 937-299-1213
EMAIL: TUFTUG@AOL.COM

2. STRUCTURAL STEEL

2.1. STRUCTURAL STEEL MATERIALS, FABRICATION, DETAILING, AND WORKMANSHIP SHALL CONFORM TO THE LATEST EDITION OF THE FOLLOWING REFERENCE STANDARDS:

2.1.1. BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC):

2.1.1.1. "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS."

2.1.1.2. SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM HIGH STRENGTH BOLTS," AS APPROVED BY THE RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS.

2.1.1.3. "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES"

2.1.2. BY THE AMERICAN WELDING SOCIETY (AWS):

2.1.2.1. "STRUCTURAL WELDING CODE – STEEL D1.1."

2.1.2.2. "STANDARD SYMBOLS FOR WELDING, BRAZING, AND NONDESTRUCTIVE EXAMINATION"

2.2. ALL STRUCTURAL BOLTS SHALL BE INSTALLED AND TIGHTENED TO THE PRETENSIONED CONDITION ACCORDING TO THE REQUIREMENTS OF THE AISC 'SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS', DECEMBER 31, 2014.

2.3. ANY MATERIAL OR WORKMANSHIP WHICH IS OBSERVED TO BE DEFECTIVE OR INCONSISTENT WITH THE CONTRACT DOCUMENTS SHALL BE CORRECTED, MODIFIED, OR REPLACED AT THE CONTRACTOR'S EXPENSE.

2.4. WELDED CONNECTIONS SHALL CONFORM TO THE LATEST REVISED CODE OF THE AMERICAN WELDING SOCIETY, AWS D1.1. ALL WELD ELECTRODES SHALL BE E80XX UNLESS NOTED OTHERWISE ON THE DRAWINGS.

2.5. ALL WELDED CONNECTIONS SHALL BE MADE BY WELDERS CERTIFIED BY AWS. CONTRACTOR SHALL SUBMIT WELDERS' CERTIFICATION AND QUALIFICATION DOCUMENTATION TO OWNER'S TESTING AGENCY FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.

2.6. STRUCTURAL STEEL PLATES SHALL CONFORM TO ASTM A572 GRADE 65(FY = 65 KSI MIN.) UNLESS NOTED OTHERWISE ON THE DRAWINGS.

2.7. SURFACES OF EXISTING STEEL SHALL BE PREPARED AS REQUIRED FOR FIELD WELDING PER AWS. SEE SECTION I NOTES REGARDING TOUCH UP OF GALVANIZED SURFACES DAMAGED DURING TRANSPORTATION OR ERECTION AND ASSEMBLY AS WELL AS FIELD WELDING.

2.8. NO WELDING SHALL BE DONE TO THE EXISTING STRUCTURE WITHOUT THE PRIOR APPROVAL AND SUPERVISION OF THE TESTING AGENCY.

2.9. FIELD CUTTING OF STEEL:

2.9.1. IMPORTANT CUTTING AND WELDING SAFETY GUIDELINES: THE CONTRACTOR SHALL FOLLOW ALL OWNER CUTTING, WELDING, FIRE PREVENTION AND SAFETY GUIDELINES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A COPY OF THE CURRENT OWNER GUIDELINES. ANY DAMAGE TO THE COAX CABLES, AND/OR OTHER EQUIPMENT AND/OR THE STRUCTURE, RESULTING FROM THE CONTRACTOR'S ACTIVITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. THE INSPECTION/TESTING AGENCY SHALL CLOSELY AND CONTINUOUSLY MONITOR THIS ACTIVITY.

2.9.2. ALL REQUIRED CUTS SHALL BE CUT WITHIN THE DIMENSIONS SHOWN ON THE DRAWINGS. NO CUTS SHALL EXTEND BEYOND THE OUTLINE OF THE DIMENSIONS SHOWN ON THE DRAWINGS. ALL CUT EDGES SHALL BE GROUND SMOOTH AND DE-BURRED. CUT EDGES THAT ARE TO BE FIELD WELDED SHALL BE PREPARED FOR FIELD WELDING PER AWS D1.1 AND AS SHOWN ON THE DRAWINGS. CONTRACTOR TO AVOID 90 DEGREE CORNERS. IT MAY BE NECESSARY TO DRILL STARTER HOLES AS REQUIRED TO MAKE THE CUTS.

3. BASE PLATE GROUT: NOT REQUIRED

4. FOUNDATION WORK: NOT REQUIRED

5. CAST-IN-PLACE CONCRETE: NOT REQUIRED

6. EPOXY GROUTED REINFORCING ANCHOR RODS

6.1. UNLESS OTHERWISE NOTED, REINFORCING ANCHOR RODS SHALL BE 150 KSI ALL-THREAD BARS CONFORMING TO ASTM A722. RECOMMENDED MANUFACTURERS/SUPPLIERS OF 150 KSI ALL-THREAD BARS ARE WILLIAMS FORM ENGINEERING CORPORATION AND DYWIDAG SYSTEMS INTERNATIONAL.

6.2. ALL REINFORCING ANCHOR RODS SHALL BE HOT DIP GALVANIZED PER ASTM A123. ALTERNATIVELY, ALL REINFORCING ANCHOR RODS MAY BE EPOXY COATED PER ASTM A775.

6.3. THE CORE-DRILLED HOLES IN THE CONCRETE FOR THE ANCHOR RODS SHALL BE CLEAN AND DRY, AND OTHERWISE PROPERLY PREPARED ACCORDING TO THE ANCHOR ROD AND EPOXY MANUFACTURER'S INSTRUCTIONS, PRIOR TO PLACEMENT OF ANCHOR RODS AND EPOXY. CONTRACTOR SHALL FOLLOW ALL ANCHOR ROD AND EPOXY MANUFACTURER RECOMMENDATIONS REGARDING HANDLING OF RODS, EPOXY, ACCEPTABLE AMBIENT TEMPERATURE RANGE DURING INSTALLATION AND POST-INSTALLATION CURING, THE EFFECT OF TEMPERATURE ON EPOXY CURING TIME, PREPARATION OF HOLE, ETC.

6.4. HILTI HIT RE-500 SD OR ITW RED HEAD EPCON G5 EPOXY SHALL BE USED TO ANCHOR THE BAR IN THE DRILL HOLES. IF THE DESIGNED EMBEDMENT IS GREATER THAN 12 FT, CONTRACTOR HAS THE OPTION TO USE PILE ANCHOR GROUT BY E-CHEM AS AN ALTERNATE. IF CONTRACTOR WISHES TO USE A DIFFERENT EPOXY, A REQUEST INCLUDING THE EPOXY TECHNICAL DATA SHEET(S) SHALL BE SUBMITTED TO THE EOR FOR REVIEW PRIOR TO CONSTRUCTION.

6.5. ONCE THE REINFORCING ANCHOR RODS HAVE BEEN INSTALLED AND ALL EPOXY AND GROUT HAVE CURED (IF BASE PLATE AND/OR BEARING PLATES HAVE BEEN GROUTED PRIOR TO TESTING), ALL REINFORCING ANCHORS SHALL BE LOAD TESTED. REFER TO THE NEW ANCHOR & BRACKET DETAIL ON FOLLOWING SHEETS FOR SPECIFIED ANCHOR ROD TARGET TENSION LOAD.

6.6. ONCE THE REINFORCING ANCHOR RODS HAVE BEEN SUCCESSFULLY LOAD TESTED AND APPROVED THE CONTRACTOR SHALL TIGHTEN ALL HEAVY HEX ANCHOR NUTS TO SNUG TIGHT PLUS 1/8 TURN OF NUT.

6.7. TAKE ALL MEASUREMENTS NECESSARY TO AVOID DAMAGING EXISTING REINFORCING BARS DURING CORING OPERATIONS. NOTIFY ENGINEER OF RECORD IMMEDIATELY IF EXISTING REINFORCING BARS ARE ENCOUNTERED AND INTERFERE WITH PLACEMENT OF NEW ANCHORS. MINOR ADJUSTMENT TO PROPOSED LOCATION OF NEW ANCHORS MAY BE REQUIRED.

7. TOUCH UP OF GALVANIZING

7.1. ALL EXISTING PAINTED OR GALVANIZED SURFACES DAMAGED DURING CONSTRUCTION SHALL BE WIRE BRUSHED CLEAN, REPAIRED BY COLD GALVANIZING BRUSH APPLIED PAINT (ZINGA OR EQUAL), AND REPAINTED TO MATCH THE EXISTING FINISH CONFORMING TO ASTM A780.

7.2. CONTRACTOR SHALL CLEAN AND PREPARE ALL FIELD WELDS ON GALVANIZED AND PRIME PAINTED SURFACES FOR TOUCH-UP COATING IN ACCORDANCE WITH AWS D1.1. OWNER'S TESTING AGENCY SHALL VERIFY THE PREPARED SURFACE PRIOR TO APPLICATION OF THE TOUCH-UP COATING.

7.3. OWNER'S TESTING AGENCY SHALL TEST AND VERIFY THE COATING THICKNESS AFTER THE CONTRACTOR HAS APPLIED THE ZRC COLD GALVANIZING COMPOUND AND IT HAS SUFFICIENTLY DRIED. AREAS FOUND TO BE ADEQUATELY COATED, SHALL BE RE-COATED BY THE CONTRACTOR AND RE-TESTED BY THE TESTING AGENCY.

8. HOT-DIP GALVANIZING

8.1. HOT-DIP GALVANIZE ALL STRUCTURAL STEEL MEMBERS AND ALL STEEL ACCESSORIES, BOLTS, WASHERS, ETC. PER ASTM A123 OR PER ASTM A153, AS APPROPRIATE.

8.2. PROPERLY PREPARE STEEL ITEMS FOR GALVANIZING.

8.3. DRILL OR PUNCH WEEP AND/OR DRAINAGE HOLES WITH EOR APPROVAL OF LOCATIONS.

8.4. ALL GALVANIZING SHALL BE DONE AFTER FABRICATION IS COMPLETED AND PRIOR TO FIELD INSTALLATION.

9. PERPETUAL INSPECTION AND MAINTENANCE BY THE OWNER

9.1. AFTER THE CONTRACTOR HAS SUCCESSFULLY COMPLETED THE INSTALLATION OF THE MONOPOLE REINFORCING SYSTEM AND THE WORK HAS BEEN ACCEPTED BY OWNER, OWNER WILL BE RESPONSIBLE FOR THE LONG TERM AND PERPETUAL INSPECTION AND MAINTENANCE OF THE POLE AND REINFORCING SYSTEM.

9.2. ANY FIELD WELDED CONNECTIONS ARE SUBJECT TO CORROSION DAMAGE AND DETERIORATION IF THEY ARE NOT PROPERLY MAINTAINED AND COVERED WITH CORROSION PREVENTIVE COATING SUCH AS THE ZRC GALVANIZING COMPOUND SPECIFIED PREVIOUSLY. THE STRUCTURAL LOAD CARRYING CAPACITY OF THE REINFORCED POLE SYSTEM IS DEPENDENT UPON THE INSTALLED SIZE AND QUALITY, MAINTAINED SOUND CONDITION AND STRENGTH OF THESE FIELD WELDED CONNECTIONS. ANY CORROSION OF, DAMAGE TO, FATIGUE, FRACTURE, AND/OR DETERIORATION OF THESE WELDS AND/OR THE EXISTING GALVANIZED STEEL POLE STRUCTURE AND THE WELDED COMPONENTS WILL RESULT IN THE LOSS OF STRUCTURAL LOAD CARRYING CAPACITY AND MAY LEAD TO FAILURE OF THE STRUCTURAL SYSTEM. THEREFORE, IT IS IMPERATIVE THAT OWNER REGULARLY INSPECTS, MAINTAINS, AND REPAIRS AS NECESSARY, ALL OF THESE WELDS, CONNECTIONS, AND COMPONENTS FOR THE LIFE OF THE STRUCTURE.

9.3. OWNER SHALL REFER TO ANSI/TIA-222-G-2-2009, SECTION 14 AND ANNEX J FOR RECOMMENDATIONS FOR MAINTENANCE AND INSPECTION. THE FREQUENCY OF THE INSPECTION AND MAINTENANCE INTERVALS IS TO BE DETERMINED BY OWNER BASED UPON ACTUAL SITE AND ENVIRONMENTAL CONDITIONS. THE EOR RECOMMENDS THAT A COMPLETE AND THOROUGH INSPECTION OF THE ENTIRE REINFORCED MONOPOLE STRUCTURAL SYSTEM BE PERFORMED YEARLY AND/OR AS FREQUENTLY AS CONDITIONS WARRANT. ACCORDING TO ANSI/TIA-222-G-2-2009 SECTION 14.2: "IT IS RECOMMENDED THAT THE STRUCTURE BE INSPECTED AFTER SEVER WIND AND/OR ICE STORMS OR OTHER EXTREME LOADING CONDITIONS".

REV	DATE	DESCRIPTION

02/28/2022

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VERIZON WIRELESS
88 FOUNDRY POND ROAD COLD SPRING, NY 10516
PH: (201) 436-4624

VERIZON SITE NAME: E GRANBY CT
EAST GRANBY, CONNECTICUT
MODIFIED 75'-0" MONOPOLE

PROJECT No:	42921-0019.002.7700
DRAWN BY:	BJH
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GENERAL NOTES

N-1

V1.0.42921-0019.002.DWG

BASE PLATE GROUT REMOVAL

1. THE GC SHALL BEGIN THIS PROCEDURE AS EARLY AS POSSIBLE DURING THE MODIFICATION PROCESS SO THAT IF ISSUES ARISE, THEY CAN BE RESOLVED WITHIN THE ANTICIPATED MODIFICATION TIMELINE.
2. IF ANY DETERIORATED GROUT EXISTS, BEGIN AT THIS LOCATION. REMOVE DETERIORATED GROUT AND THE GROUT AROUND THE NEAREST ONE OR TWO ANCHOR RODS TO FULLY EXPOSE THE LEVELING NUT. IF THE GC DISCOVERS THAT A HALF NUT OR JAM NUT WAS USED AS A LEVELING NUT, OR IF NO LEVELING NUT IS PRESENT, IMMEDIATELY CONTACT THE EOR FOR A RESOLUTION. DO NOT REMOVE ANY ADDITIONAL GROUT UNTIL DIRECTED.
3. OTHERWISE, CHECK THE LEVELING NUT FOR TIGHTNESS. IF SEVERE CORROSION / MATERIAL LOSS IS FOUND OR CORROSION EXISTS TO THE POINT WHERE THE LEVELING NUT IS UNABLE TO BE TIGHTENED WHEN OBVIOUSLY LOOSE, IMMEDIATELY NOTIFY THE EOR. DO NOT REMOVE ANY ADDITIONAL GROUT UNTIL DIRECTED.
4. IN THE EVENT THAT SEVERE CORROSION IS NOT ENCOUNTERED AND BEING SURE TO CHECK EACH ANCHOR ROD FOR CORROSION, REMOVE ALL EXISTING BASEPLATE GROUT WHILE CHECKING EACH LEVELING NUT FOR TIGHTNESS.
5. CONTRACTOR SHALL HAND TOOL CLEAN TO SSPC-SP2 AND SOLVENT CLEAN TO SSPC-SP1, ALL EXPOSED STRUCTURAL STEEL ELEMENTS, INCLUDING ANCHOR RODS, LEVELING NUTS, AND UNDERSIDE OF BASE PLATE TO THE GREATEST EXTENT POSSIBLE. ENSURE THAT ALL OLD GROUT IS REMOVED TO ALLOW COLD GALVANIZING TO ADHERE TO THE STEEL.
6. APPLY BY BRUSH TWO COATS OF AN OWNER OR EOR APPROVED COLD-GALVANIZING COMPOUND TO ALL EXPOSED STRUCTURAL STEEL ELEMENTS BENEATH THE BASE PLATE AND ALLOW CURING IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION.
7. THE GC SHALL PROVIDE PHOTOGRAPHS OF EACH ANCHOR ROD WITH LEVELING NUT AFTER CLEANING BUT BEFORE COLD GALVANIZATION, AND AGAIN AFTER COLD GALVANIZATION, FOR INCLUSION IN THE MI REPORT.

02/28/2022

REV	DATE	DESCRIPTION

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250 E Broad St. Ste 600 Columbus, OH 43215
Phone 614.221.6679
www.pauljford.com

VERIZON WIRELESS
88 FOUNDRY POND ROAD COLD SPRING, NY 10516
PH: (201) 456-4624

VERIZON SITE NAME: E GRANBY CT
EAST GRANBY, CONNECTICUT
MODIFIED 75'-0" MONOPOLE

PROJECT No:	42921-0019.002.7700
DRAWN BY:	BJH
DESIGNED BY:	NCM
CHECKED BY:	JTK
DATE:	1/20/2022

GENERAL NOTES

N-2

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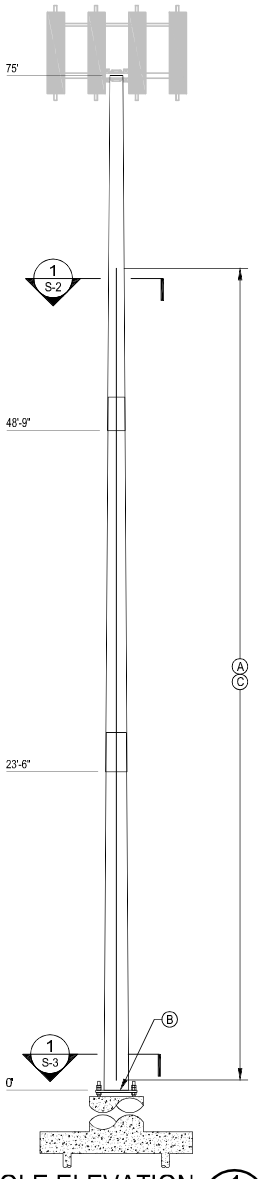


POLE ELEVATION 1 / S-1

TOWER MODIFICATION SCHEDULE

	ELEVATION	TOWER MODIFICATION DESCRIPTION	REFERENCE SHEETS
Ⓐ	0'-9" TO 60'-9"	INSTALL NEW SHAFT REINFORCING	S-2
Ⓑ	0"	INSTALL NEW ANCHOR RODS AND WELDED BRACKETS	S-3 & S-4
Ⓒ	0'-9" TO 60'-9"	REMOVE AND REPLACE SAFETY CLIMB PIPE AS NECESSARY FOR THE INSTALLATION OF NEW SHAFT REINFORCING	S-1

PRIOR TO FABRICATION AND INSTALLATION CONTRACTOR SHALL VERIFY ALL LENGTHS AND QUANTITIES GIVEN. LENGTH AND QUANTITIES PROVIDED ARE FOR QUOTING PURPOSES ONLY AND SHALL NOT BE USED FOR FABRICATION.

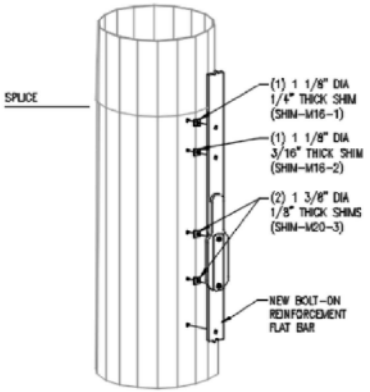
MANUFACTURER POLE SPECIFICATIONS

TAPER	0.148828 IN/FT
BASE PLATE STEEL	ASTM A36 (FY=36 KSI)
ANCHOR RODS	2"Ø ASTM A36 (FY=36 KSI)
FLANGE BOLTS	

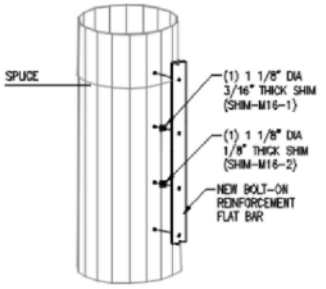
SHAFT SECTION DATA

SHAFT SECTION	SECTION LENGTH (FT)	POLE SHAFT THICKNESS (IN)	LAP SPLICE (FT)	DIAMETER ACROSS FLATS (IN) @ TOP	DIAMETER ACROSS FLATS (IN) @ BOTTOM	POLE GRADE (KSI)	FLANGE PLATE GRADE (KSI)	POLE SHAPE
1	26.250	0.1875	2.500	11.500	15.610	50		18-SIDED
2	27.710	0.2500	2.920	14.844	19.000	50		18-SIDED
3	26.460	0.2500		18.062	22.000	50		18-SIDED

NOTE: DIMENSIONS SHOWN DO NOT INCLUDE GALVANIZING TOLERANCES



SHIMS INSTALLATION DETAIL @23'-6" ELEV (USE IF REQUIRED)



SHIMS INSTALLATION DETAIL @48'-9" ELEV (USE IF REQUIRED)

REV	DATE	DESCRIPTION

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EAST GRANBY, CONNECTICUT
MODIFIED 75'-0" MONOPOLE

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MONOPOLE PROFILE

S-1

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NEW FLAT PLATE (65 KSI) REINFORCING SCHEDULE

BOTTOM ELEVATION	TOP ELEVATION	FLAT # / DEGREE SEPARATION	PART NUMBER	ELEMENT QUANTITY	TERMINATION BOLTS (BOTTOM)	TERMINATION BOLTS (TOP)	MAXIMUM INTERMEDIATE BOLT SPACING	BOLTS PER ELEMENT	STEEL WEIGHT PER PLATE	TOTAL BOLT QUANTITY	TOTAL STEEL WEIGHT
0' - 9"	20' - 9"	F2 & F13	LP6X25-BL4.75-20B	2	(8) 2NG2048 EA.	--	(7) LHBM16-2 EA.	15	651 LBS.	30	1301 LBS.
0' - 9"	20' - 9"	F7	LP6X25-BR4.75-20B	1	(8) 2NG2048 EA.	--	(7) LHBM16-2 EA.	15	651 LBS.	15	651 LBS.
20' - 9"	40' - 9"	F2, F7, & F13	LP6X125-G-20BB	3	--	--	(9) LHBM16-2 EA.	9	672 LBS.	27	2015 LBS.
40' - 9"	60' - 9"	F2, F7, & F13	LP6X125-B-20BTN	3	--	(9) 2NG2048 EA.	(8) LHBM16-2 EA.	17	664 LBS.	51	1992 LBS.
										123	5959 LBS.

NOTES:

1.) FASTENERS MAY BE USED ON THIS PROJECT AS INDICATED IN THE FOLLOWING TABLES:

LHBM16#2	APPROVED
LHBM20#3	APPROVED
NEXTGEN2	APPROVED

2.) ALL FLAT PLATE REINFORCEMENT IS TO BE INSTALLED CENTERED ON ITS DESIGNATED FLAT OR AZIMUTH, UNO, WITH A TOLERANCE FROM CENTER OF THE FLAT OR AZIMUTH AS FOLLOWS:

ALLOWABLE FLAT PLATE CENTERING TOLERACE	3/8"

GC SHALL REDLINE ALL DEVIATIONS FROM CENTER, INCLUDING THOSE WITHIN TOLERANCE.

3.) GC SHALL REPLACE ANY STEP BOLTS AND STEP BOLT CLIPS THAT INTERFERE WITH THE INSTALLATION OF FLAT PLATE.

4.) ALL STEEL SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123. ALTERNATIVELY, ALL NEW STIFFENER PLATE STEEL REINFORCING MAY BE COLD GALVANIZED AS FOLLOWS: APPLY A MINIMUM OF TWO COATS OF ZRC-BRAND ZINC -RICH COLD GALVANIZING COMPOUND. FILM THICKNESS PER COAT SHALL BE: WET 3.0 MILS; DRY 1.5 MILS. APPLY PER ZRC (MANUFACTURER) RECOMMENDED PROCEDURES. CONTACT ZRC AT 1-800-831-3275 FOR PRODUCT INFORMATION.

5.) ALL REINFORCING SHALL BE ASTM A572 GR. 65.

6.) WELDS SHALL BE E80XX OR GREATER. TERMINATION WELDS SHALL BE 3/8" FILLET WELDS.

7.) HOLES FOR BOLTS ARE 30mm UNLESS NOTED OTHERWISE.

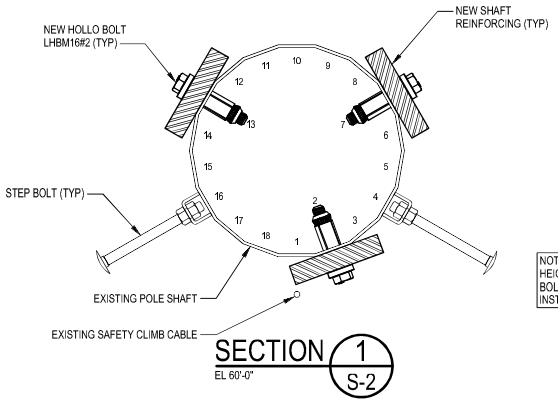
8.) SHIMS FOR MONOPOLE REINFORCEMENT MEMBER SHALL BE REQUIRED WHERE GAPS BETWEEN THE POLE SHAFT AND REINFORCING MEMBER EXIST AT FASTENER LOCATIONS. FOR INTERMEDIATE CONNECTIONS, THE MINIMUM SHIM LENGTH AND WIDTH SHALL BE THE WIDTH OF THE REINFORCING MEMBER. FOR TERMINATION CONNECTIONS, A CONTINUOUS SHIM PLATE (PREFERRED) OR EQUIVALENT INDIVIDUAL SHIM PLATES THE WIDTH OF THE REINFORCING MEMBER MAY BE USED. SHIM THICKNESSES SHALL BE NO LESS THAN 1/16". STACKING OF SHIMS IS PERMITTED. FINGER SHIMS AND HORSESHOE SHIMS ARE PERMITTED. SINGLE AND STACKED SHIMS IN BOLT TERMINATION REGIONS SHALL BE NO GREATER THAN A TOTAL OF ¼" WITHOUT EOR APPROVAL. SINGLE AND STACKED SHIMS AT INTERMEDIATE CONNECTIONS SHALL BE NO GREATER THAN A TOTAL OF 5/8" WITHOUT EOR APPROVAL.

9.) SHIM MATERIAL SHALL BE STEEL GRADE A36 OR GREATER IF WELDED, UNO, AND SHALL REQUIRE MTR; IF SHIMS ARE NOT WELDED, THERE IS NO MINIMUM REQUIRED STEEL GRADE.

10.) FOR PLATES STARTING AT 6", THE BOTTOM OF THE FLAT PLATE SHALL BEGIN AT 6" ± 1". FOR SINGLE PLATES OR MULTIPLE PLATES SPLICED TOGETHER, THE BOTTOM OF THE FLAT PLATE SHALL BEGIN AT THE PROPOSED ELEVATION ± 3". FOR MULTIPLE PLATES SPLICED TOGETHER, THE TOP OF THE FLAT PLATE IS TO BE PLACED SUCH THAT THERE IS NO MORE THAN 3" DIFFERENCE BETWEEN THE ACTUAL OVERALL LENGTH OF THE SPAN AND THE PROPOSED OVERALL LENGTH OF THE SPAN, FROM THE BOTTOM OF THE PLATE

11.) IF UNEXPECTED HOLES ARE FOUND IN A LOCATION WHERE FLAT PLATE IS PROPOSED TO BE INSTALLED, THE GC SHALL NOT PLACE NEW BOLT HOLES WITHIN A CENTER-TO-CENTER DISTANCE OF 3 TIMES THE DIAMETER OF THE LARGER OF THE TWO HOLES, WITHOUT EOR APPROVAL. EXISTING HOLES MAY INCLUDE BUT ARE NOT LIMITED TO EMPLTY BOLT HOLES AND JACKING NUTES WITH CENTER HOLES.

12.) STEEL WEIGHTS SHOWN DO NOT CONSIDER THE WEIGHTS OF THE PADDLE CONNECTION PLATES.



SECTION 1 / S-2
EL 60'-0"

NOTE: STEP BOLT LOCATION MAY VARY THROUGH HEIGHT OF POLE. IT IS RECOMMENDED THAT STEP BOLT LOCATIONS SHOULD BE VERIFIED PRIOR TO INSTALLATION OF NEW SHAFT REINFORCING.

NOTE: LINK PLATE SPLICES AND ANCHOR ROD BRACKET CONNECTION DETAILS AND SPECIFICATIONS SHALL BE PROVIDED BY OTHERS

NOTE: JACKING NUTS ARE TO BE REMOVED AS NECESSARY FOR INSTALLATION OF NEW SHAFT REINFORCING

STATE OF CONNECTICUT
JUSTIN T. KLINE
No. 30301
LICENSED
PROFESSIONAL ENGINEER

02/28/2022

REV	DATE	DESCRIPTION

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Phone 614.221.6679
www.pauljford.com

VERIZON WIRELESS
88 FOUNDRY POND ROAD COLD SPRING, NY 10516
PH:(201) 456-4624

VERIZON SITE NAME: E GRANBY CT
EAST GRANBY, CONNECTICUT
MODIFIED 75'-0" MONOPOLE

PROJECT No:	42921-0019.002.7700
DRAWN BY:	BJH
DESIGNED BY:	NCM
CHECKED BY:	TJD
DATE:	1/20/2022

SHAFT REINFORCING

S-2

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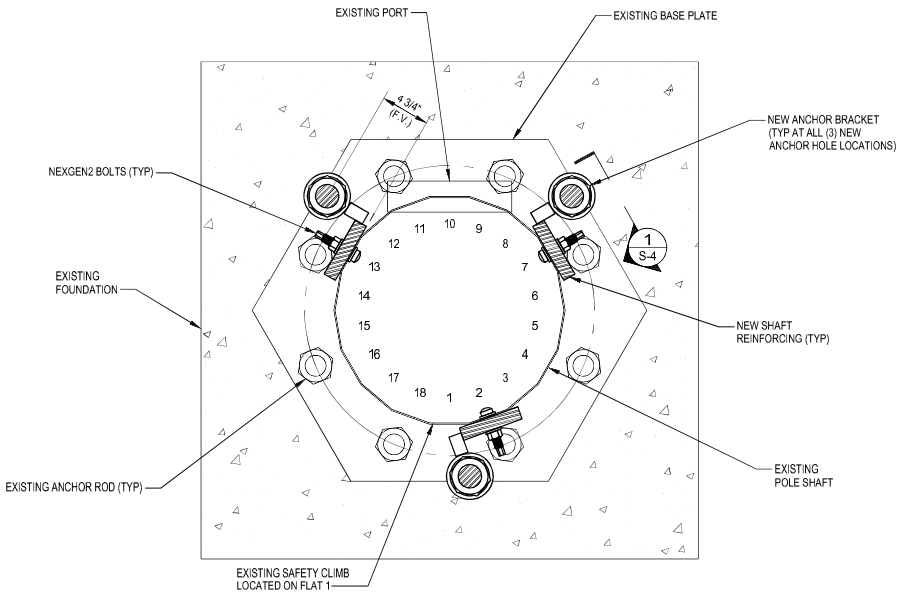

BASE PLATE 1 / S-3

VERIZON SITE NAME: E GRANBY CT
EAST GRANBY, CONNECTICUT
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BASE PLATE DETAILS

S-3

STATE OF CONNECTICUT
JUSTIN T. KLINE
No. 30301
LICENSED
PROFESSIONAL ENGINEER

02/28/2022

REV	DATE	DESCRIPTION

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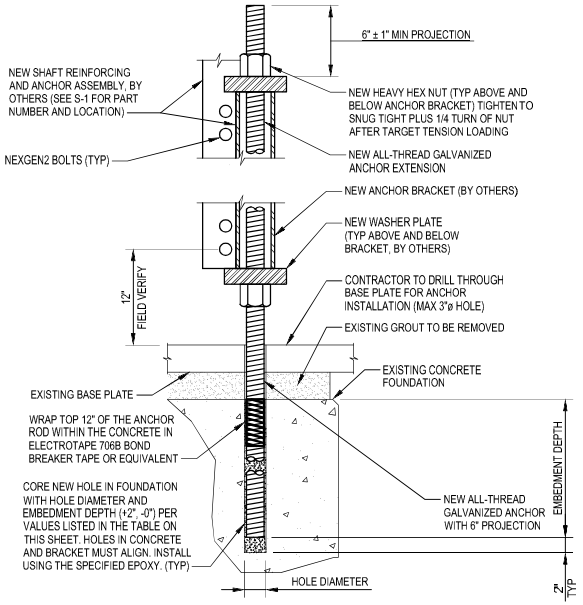
ANCHOR ROD SPECIFICATIONS	
DIAMETER (D)	2 1/4"
QUANTITY	3
MATERIAL	WILLIAMS R71
HOLE DIAMETER	2 3/4"
TARGET TENSION LOAD (KIPS)	239
EPOXY	HILTI RE 500 V3
EMBEDMENT DEPTH	87"
OVERALL LENGTH	174"



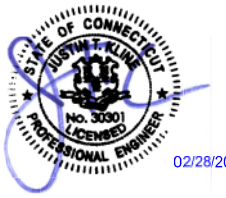
NEW ANCHOR & BRACKET DETAIL 1/S-4

CONTRACTOR TO VERIFY THAT A PULL TEST IS ABLE TO BE PERFORMED USING THE ANCHOR ROD PROJECTION SHOWN

NOTES:

1. PLATE WASHER SHALL FULLY BEAR ON THE NEW ANCHOR BRACKET.
2. RODS SHALL BE GALVANIZED FROM THE TOP OF THE PROJECTION TO 15" BELOW THE SURFACE OF THE CONCRETE, AT A MINIMUM.
3. CORED HOLES MUST BE MECHANICALLY ROUGHENED USING A CARBIDE HOLE ROUGHENER OR EQUIVALENT. BRUSHING WITH A NYLON OR WIRE BRUSH SHALL BE USED IN THE PROCESS OF HOLE CLEANING, BUT DOES NOT SATISFY THE HOLE ROUGHENING REQUIREMENT.
4. FOLLOW EPOXY MANUFACTURER'S RECOMMENDATIONS FOR HOLE CLEANING.
5. ALL HOLES SHALL BE DRY PRIOR TO PLACING EPOXY.
6. CONTRACTOR SHALL CHOOSE THE EPOXY TO BE USED FROM THE TABLE ON THIS SHEET. FOLLOW EPOXY MANUFACTURER'S RECOMMENDATIONS REGARDING HANDLING OF THREADED ROD AND EPOXY, AS WELL AS ALL INSTALLATION INSTRUCTIONS AND REQUIREMENTS, INCLUDING BASE TEMPERATURE REQUIREMENTS.
7. TAKE ALL MEASUREMENTS NECESSARY TO AVOID DAMAGING EXISTING REINFORCING BARS DURING CORING OPERATIONS. NOTIFY EOR IMMEDIATELY IF EXISTING REINFORCING BARS ARE ENCOUNTERED AND INTERFERE WITH PLACEMENT OF NEW ANCHORS. MINOR ADJUSTMENT TO PROPOSED LOCATION OF NEW ANCHORS MAY BE REQUIRED.
8. ONCE ALL RESIN AND GROUT HAVE CURED, NEW ANCHOR ROD REINFORCING SHALL BE TARGET TENSIONED TO THE VALUE LISTED IN THE TABLE ON THIS SHEET. SEE ENG-PRC-10119: PULL-OUT TESTING FOST-INSTALLED ANCHOR RODS, FOR SPECIFICATIONS.
9. CONTRACTOR SHALL VERIFY THAT A PULL TEST IS ABLE TO BE PERFORMED USING THE ANCHOR ROD PROJECTION SHOWN.
10. WHEN COMPLETED WITH EPOXY INSTALLATION, THE TOP OF THE EPOXY SHALL BE EQUAL TO OR HIGHER THAN THE TOP OF THE FOUNDATION, SUCH THAT WATER IS NOT ABLE TO COLLECT IN THE ANNULAR AREA AROUND THE EXPOSED PORTION OF THE ANCHOR ROD.

REV	DATE	DESCRIPTION



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ANCHOR BRACKET DETAILS

S-4

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

Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10078044
Maser Consulting Connecticut Project #: 21777185A

June 24, 2021

Site Information	*Site ID:*	*468142-VZW / E GRANBY CT*
	Site Name:	*E GRANBY CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*116 Newgate Rd* *East Granby, Connecticut 06026* *Hartford County*
	Latitude:	*41.963056°*
	Longitude:	*-72.741111°*
Structure Information	*Tower Type:*	*81.7-Ft Monopole*
	Mount Type:	*12.50-Ft Platform*

FUZE ID # 16272341

Analysis Results

Platform: **78.5% Pass**

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

Report Prepared By: Abigail Enriquez

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS, Site ID: 323808, dated February 1, 2021*
Mount Mapping Report	*North East Towers, Site ID: 468142, dated April 27, 2021*
Construction Drawings	*On Air Engineering, LLC, Site Name: E GRANBY CT, dated March 12, 2021*
Previous Mount Analysis Report	*Maser Consulting Connecticut, Project # 21777185A, dated June 9, 2021*
Mount Modification Drawings	*Maser Consulting Connecticut, Project # 21777185A, dated June 24, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	115 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.50 in
	Risk Category:	II
	Exposure Category:	B
	Topographic Category:	4
	Topographic Feature Considered:	Ridge
	Topographic Method:	Method 2
	Ground Elevation Factor, K_e:	0.977
Seismic Parameters:	S_S:	0.171
	S_1:	0.054
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
76.50	78.00	6	Commscope	NHH-65B-R2B	Added
		3	Samsung	MT6407-77A	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		1	Raycap	RVZDC-6627-PF-48	
		3	Commscope	LNX-6514DS-A1M	Retained
		1	-	GPS	

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

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

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to Maser Consulting Connecticut and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied documentation. Any deviation from the loading locations specified in this report shall be communicated to Maser Consulting Connecticut to verify deviation will not adversely impact the analysis.

2. Mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

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

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

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped by Maser Consulting Connecticut, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.

5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.

6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Maser Consulting Connecticut is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.

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

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Mod Support Rail Corner	*43.4%*	*Pass*
Mod Kicker	*14.4%*	*Pass*
Mod Support Rail	*26.1%*	*Pass*
Threaded Rods	*27.0%*	*Pass*
Mount Pipe	*41.6%*	*Pass*
GPS Pipe	*4.9%*	*Pass*
Cross Member Plate	*33.0%*	*Pass*
Cross Member	*48.9%*	*Pass*
Standoff	*26.2%*	*Pass*
Mod Dual Antenna	*40.8%*	*Pass*
Face Horizontal	*78.5%*	*Pass*
Bottom Corner Plate	*67.5%*	*Pass*
Connection Check	*52.2%*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**78.5%**

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


04/27/2021 12:51


04/27/2021 11:47

V3.0 Updated on 8-31-2020

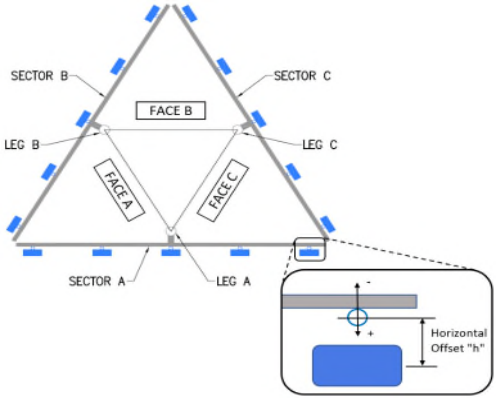
PAUL J. FORD & COMPANY

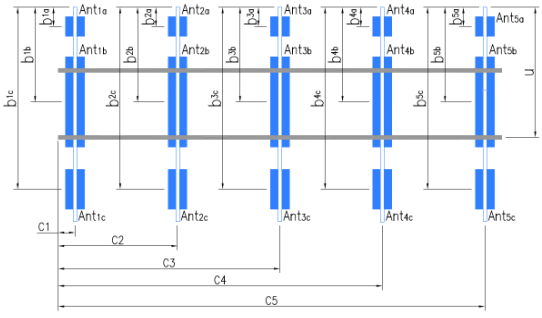
Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	Verizon	**Mapping Date:**	4/27/2021
Site Name:	East Granby	**Tower Type:**	Monopole
Site Number or ID:	468142	**Tower Height (Ft.):**	79
Mapping Contractor:	North East Towers	**Mount Elevation (Ft.):**	75.45

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





Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	.1875 x 2.375 x 60	52.00	3.00	C1	.1875 x 2.375 x 60	52.00	3.00
A2	.1875 x 2.375 x 60	52.00	28.00	C2	.1875 x 2.375 x 60	52.00	28.00
A3	.1875 x 2.375 x 60	72.00	75.00	C3	.1875 x 2.375 x 60	72.00	75.00
A4	.1875 x 2.375 x 60	52.00	122.50	C4	.1875 x 2.375 x 60	52.00	122.50
A5	.1875 x 2.375 x 60	52.00	147.25	C5	.1875 x 2.375 x 60	52.00	147.25
A6				C6			
B1	.1875 x 2.375 x 60	52.00	3.00	D1			
B2	.1875 x 2.375 x 60	52.00	28.00	D2			
B3	.1875 x 2.375 x 60	72.00	75.00	D3			
B4	.1875 x 2.375 x 60	52.00	122.50	D4			
B5	.1875 x 2.375 x 60	52.00	147.25	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.) :	

Please enter additional infomation or comments below.

Overall condition of the tower appeared to be good. It was reported that there is a lot of sway in the tower when on the platform.

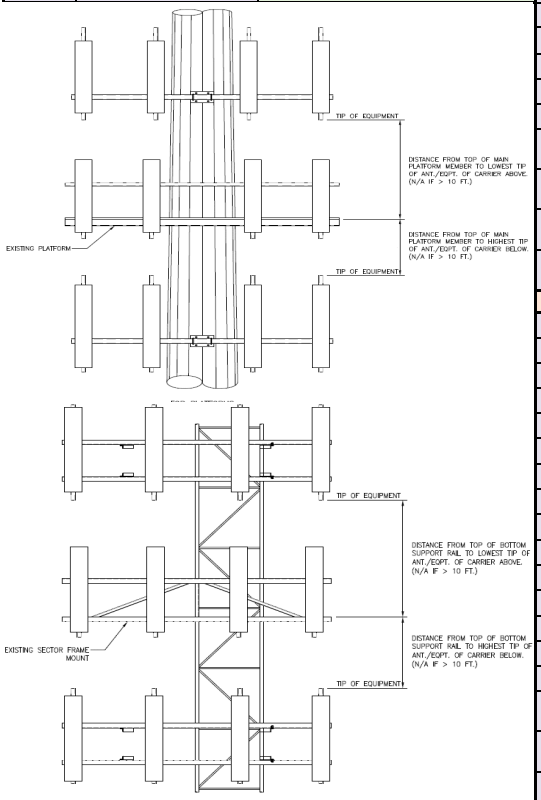
Mounts and harware appeared to be in good condition with light rusting in the coax ports just below the platform mounts.

Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	12.5

	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant_{1a}	HBXX-6517DS-A2M	12.01	6.54	75.04	(2) 7/8"	76.45	40.00	8.00	30.00	21
Ant_{1b}	B4 RRH2x60-4R	10.60	5.70	36.00		79.7833				25
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	LNX-6514DS-A1M	11.85	7.11	80.63	(2) 7/8"	76.6167	58.00	8.00	30.00	22
Ant_{3b}										
Ant_{3c}										
Ant_{4a}	HBXX-6517DS-A2M	12.01	6.54	75.04	(2) 7/8"	76.6167	38.00	8.00	30.00	23
Ant_{4b}										
Ant_{4c}										
Ant_{5a}	LNX-6514DS-A1M	11.85	7.11	80.63	(2) 7/8"	76.6167	38.00	8.00	30.00	23
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector			Tower Leg Azimuth (Degree) for Each Sector		
Sector A:	30.00	Deg	Leg A:		Deg
Sector B:	150.00	Deg	Leg B:		Deg
Sector C:	270.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information		
Location:	150.00 Deg	Sector B
Climbing Facility	Corrosion Type:	Minor corrosion observed.
	Access:	Climbing path was unobstructed.
	Condition:	Missing safety cable.



Sector B										
Ant_{1a}	HBXX-6517DS-A2M	12.01	6.54	75.04	(2) 7/8"	76.6167	38.00	8.00	150.00	45
Ant_{1b}	B4 RRH2x60-4R	36.60	10.60	5.70		79.7833				48
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	LNX-6514DS-A1M	11.85	7.11	80.63	(2) 7/8"	76.6167	58.00	8.00	150.00	44
Ant_{3b}										
Ant_{3c}										
Ant_{4a}	HBXX-6517DS-A2M	12.01	6.54	75.04	(2) 7/8"	76.6167	38.00	8.00	150.00	45
Ant_{4b}										
Ant_{4c}										
Ant_{5a}	LNX-6514DS-A1M	11.85	7.11	80.63	(2) 7/8"	76.6167	38.00	8.00	150.00	46
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}	HBXX-6517DS-A2M	12.01	6.54	75.04	(2) 7/8"	76.6167	38.00	8.00	270.00	54
Ant_{1b}	B4 RRH2x60-4R	36.60	10.60	5.70		79.7833				
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	LNX-6514DS-A1M	11.85	7.11	80.63	(2) 7/8"	76.6167	58.00	8.00	270.00	54
Ant_{3b}										
Ant_{3c}										
Ant_{4a}	HBXX-6517DS-A2M	12.01	6.54	75.04	(2) 7/8"	76.6167	38.00	8.00	270.00	54
Ant_{4b}										
Ant_{4c}										
Ant_{5a}	LNX-6514DS-A1M	11.85	7.11	80.63	(2) 7/8"	76.6167	38.00	8.00	270.00	53
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower	RHSDC-3315-PF	10.13	28.93	15.73	1.25"Hybrid					62
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

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

1	Safety Climb is missing from tower.	2
2		
3		
4		
5		
6		
7		
8		

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

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

V3.0 Updated on 8-31-2020

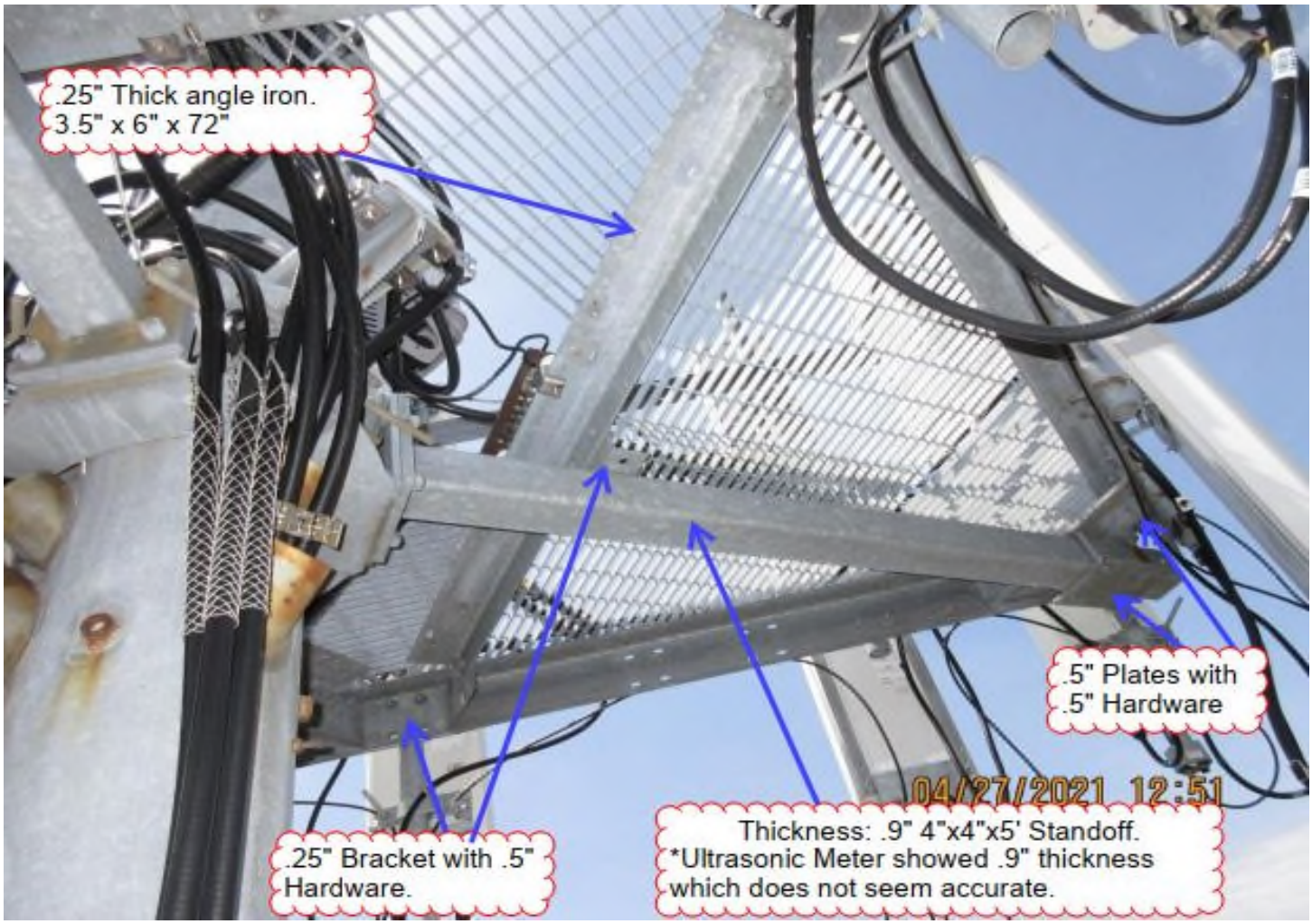
PAUL J. FORD & COMPANY

Antenna Mount Mapping Form (PATENT PENDING)

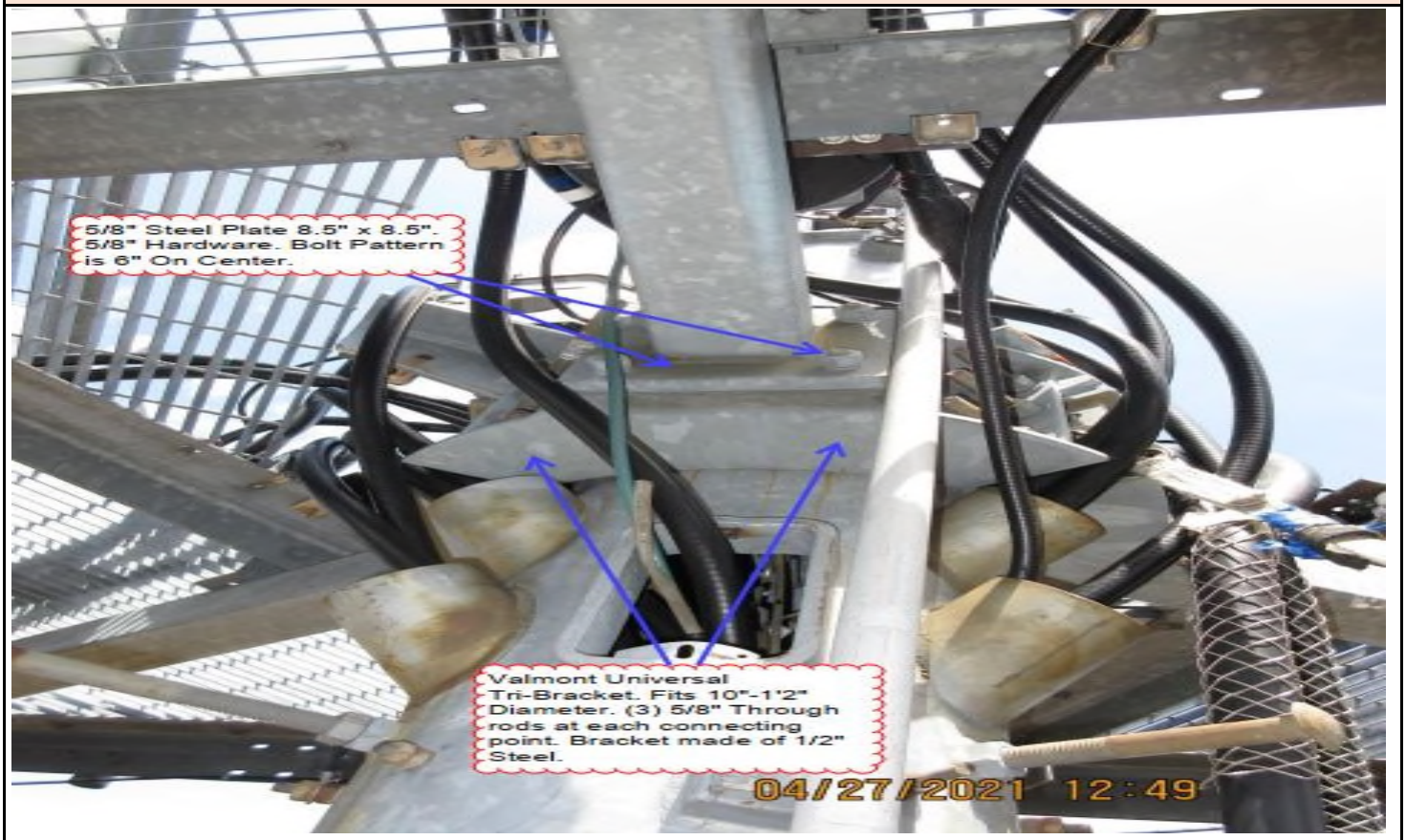
FCC #

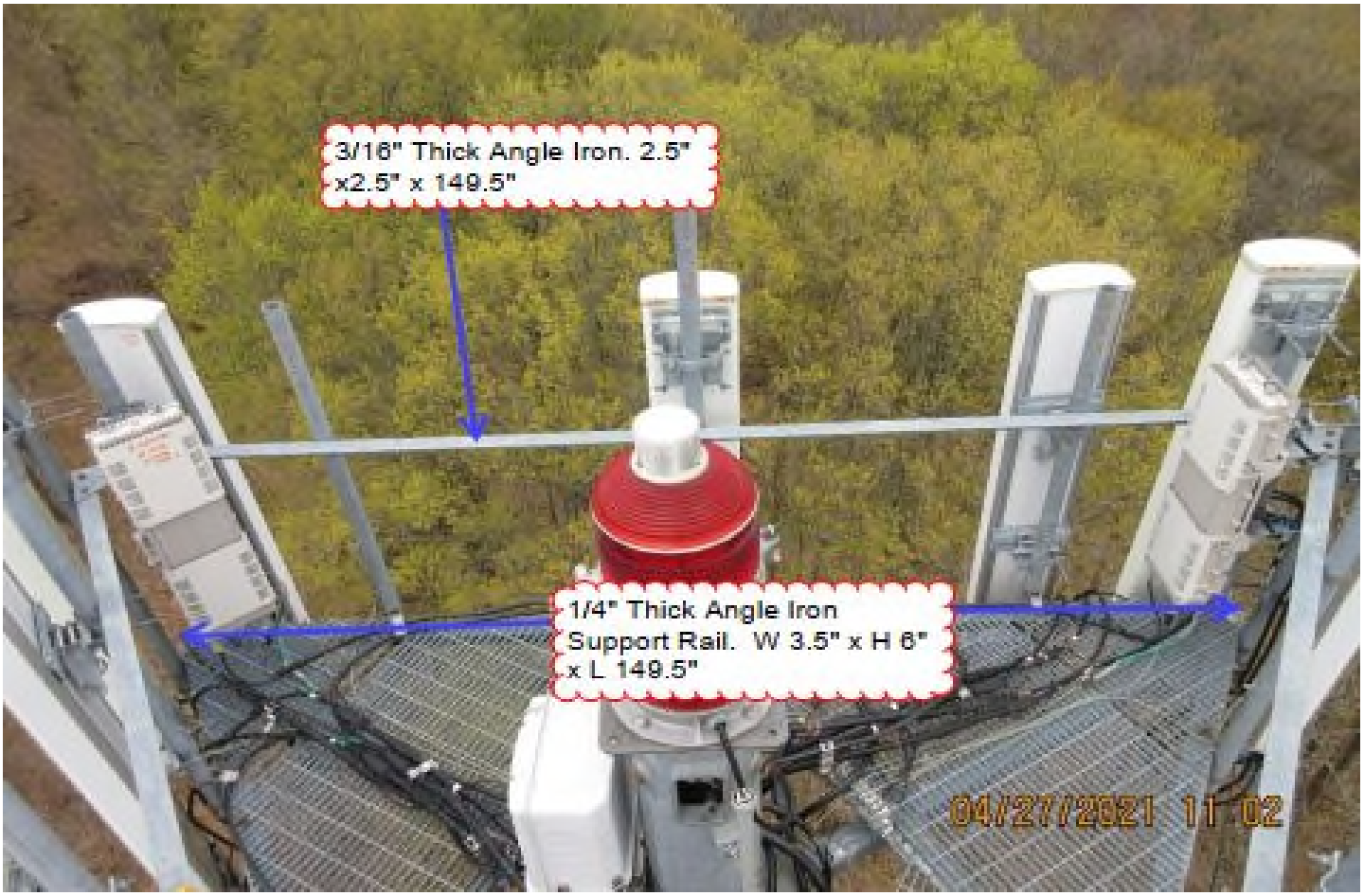
Tower Owner:	Verizon	**Mapping Date:**	4/27/2021
Site Name:	East Granby	**Tower Type:**	Monopole
Site Number or ID:	468142	**Tower Height (Ft.):**	79
Mapping Contractor:	North East Towers	**Mount Elevation (Ft.):**	75.45

Please Insert Sketches of the Antenna Mount

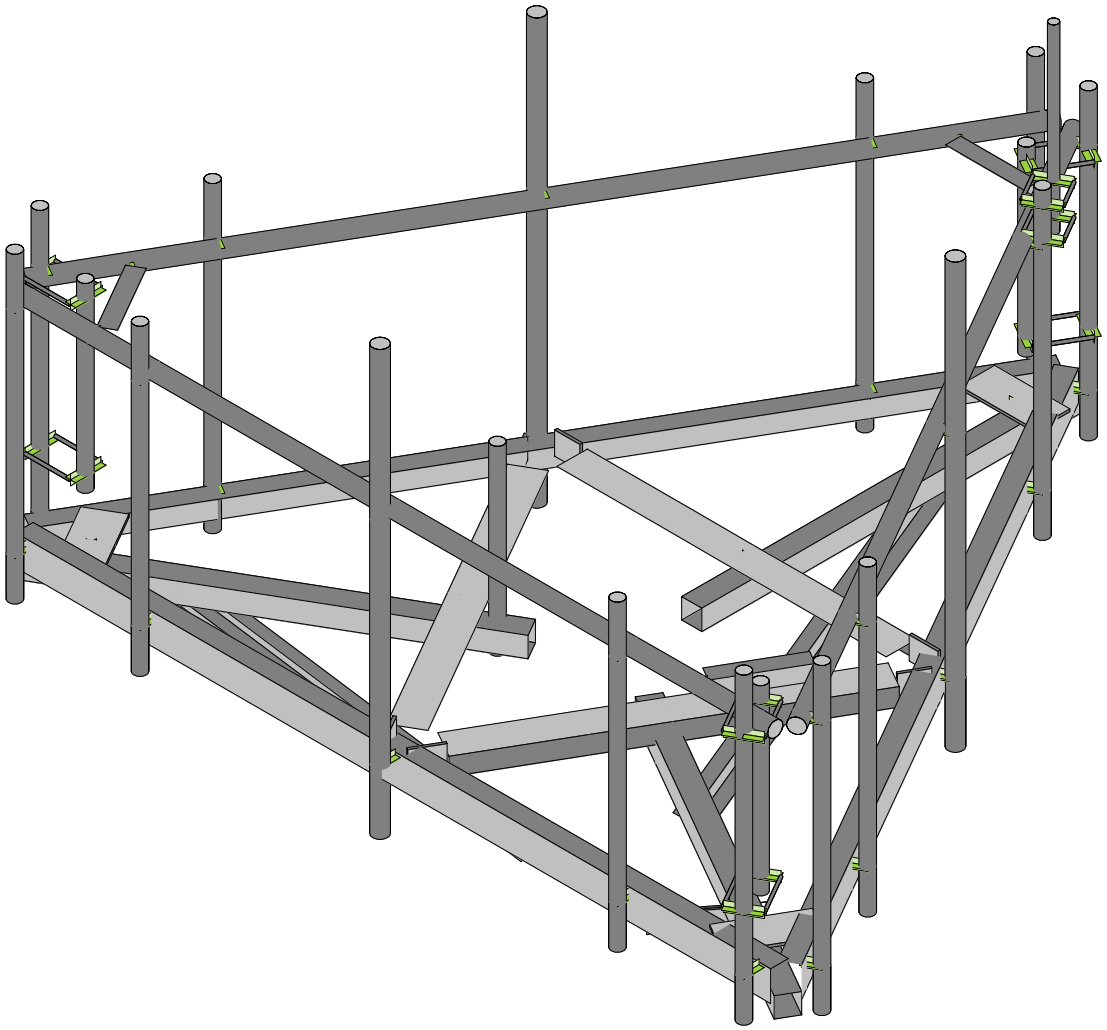


Please Insert Sketches of the Antenna Mount, cont'd

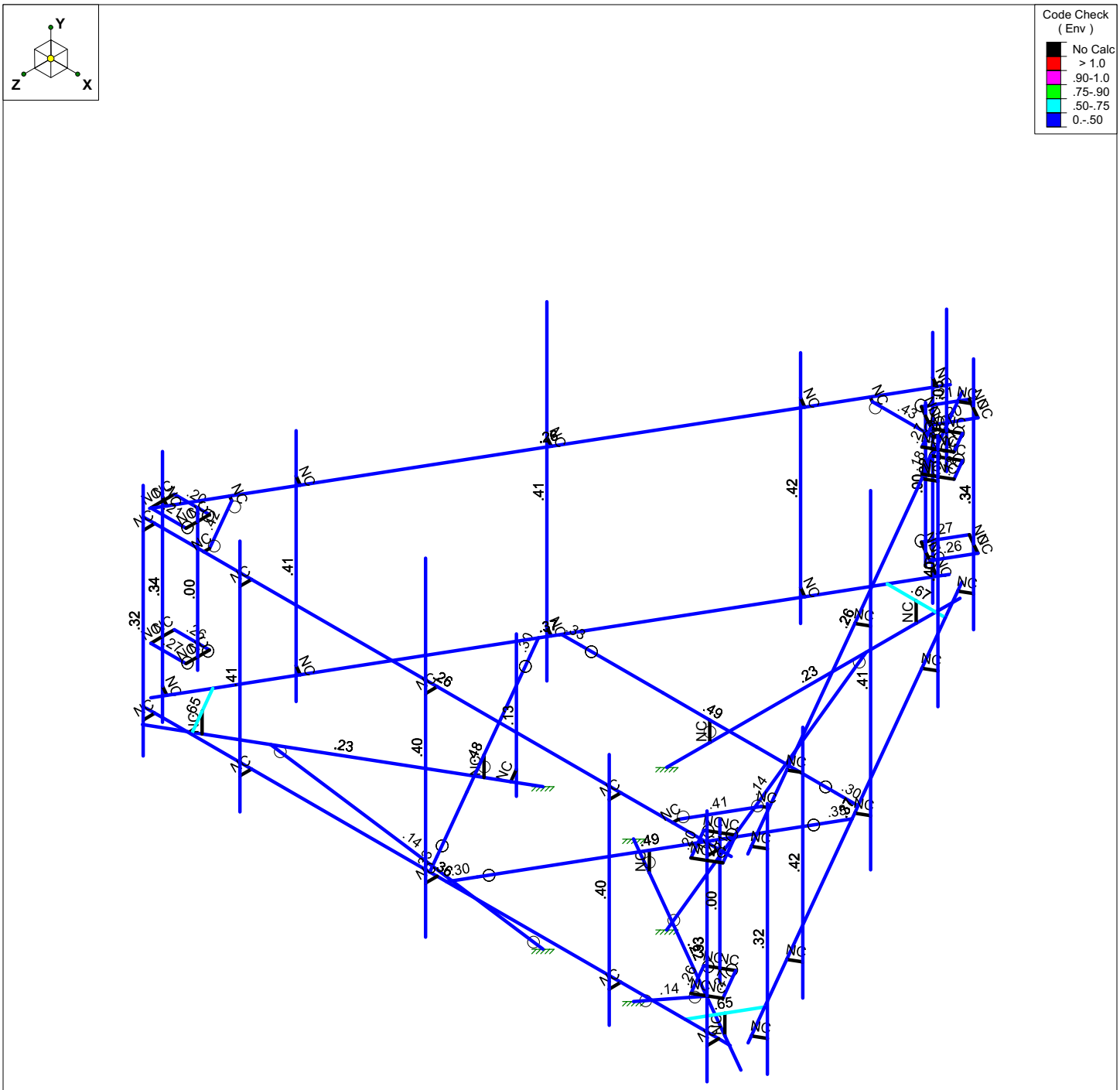




Please Insert Sketches of the Antenna Mount, cont'd

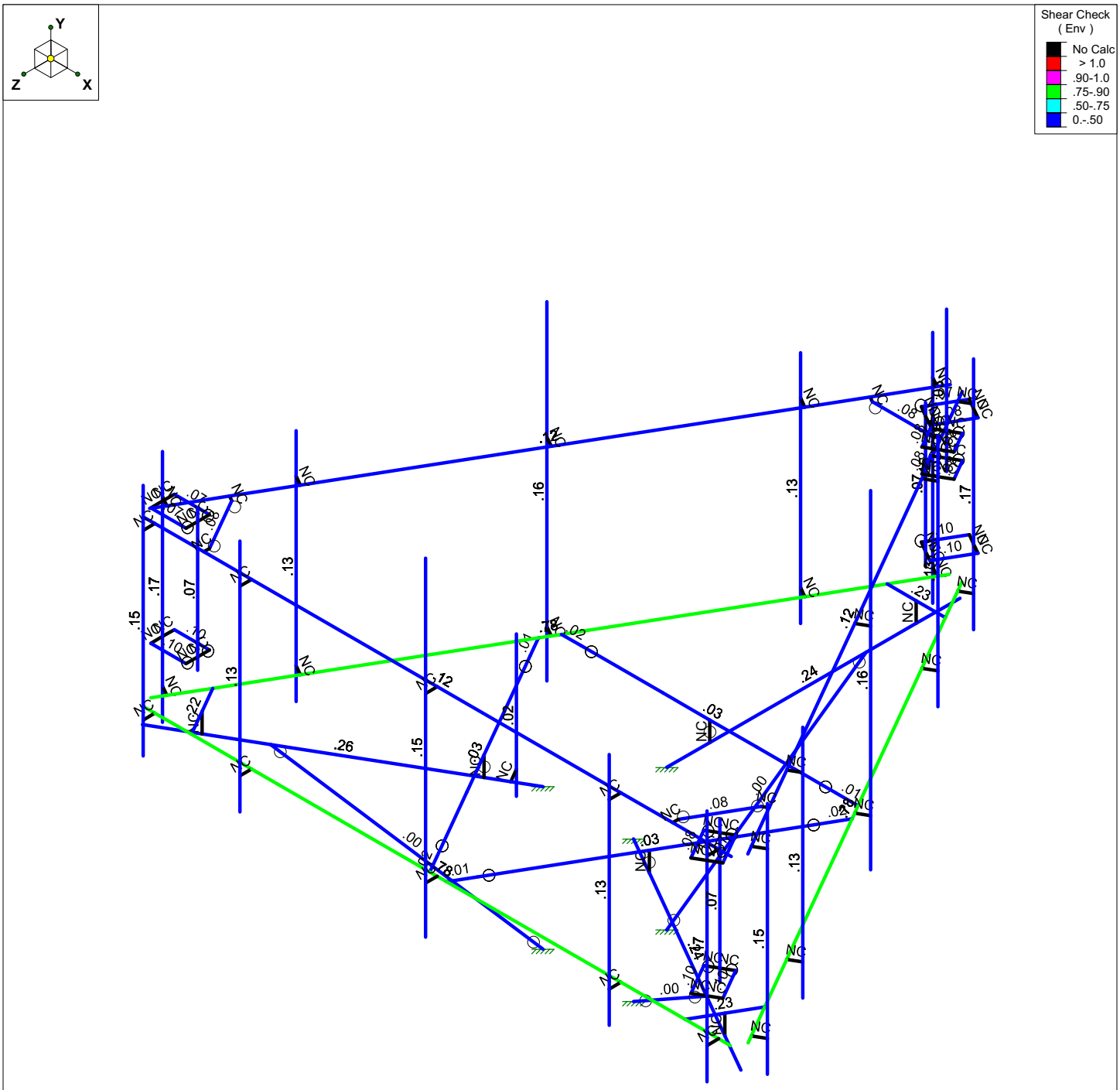


		SK - 4
		June 24, 2021 at 9:35 AM
		468142-VZW_MT_LO_H.r3d



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

		SK - 5
		June 24, 2021 at 9:36 AM
		468142-VZW_MT_LO_H.r3d



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

		SK - 6
		June 24, 2021 at 9:36 AM
		468142-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					96			
2	Antenna Di	None					96			
3	Antenna Wo (0 Deg)	None					96			
4	Antenna Wo (30 Deg)	None					96			
5	Antenna Wo (60 Deg)	None					96			
6	Antenna Wo (90 Deg)	None					96			
7	Antenna Wo (120 Deg)	None					96			
8	Antenna Wo (150 Deg)	None					96			
9	Antenna Wo (180 Deg)	None					96			
10	Antenna Wo (210 Deg)	None					96			
11	Antenna Wo (240 Deg)	None					96			
12	Antenna Wo (270 Deg)	None					96			
13	Antenna Wo (300 Deg)	None					96			
14	Antenna Wo (330 Deg)	None					96			
15	Antenna Wi (0 Deg)	None					96			
16	Antenna Wi (30 Deg)	None					96			
17	Antenna Wi (60 Deg)	None					96			
18	Antenna Wi (90 Deg)	None					96			
19	Antenna Wi (120 Deg)	None					96			
20	Antenna Wi (150 Deg)	None					96			
21	Antenna Wi (180 Deg)	None					96			
22	Antenna Wi (210 Deg)	None					96			
23	Antenna Wi (240 Deg)	None					96			
24	Antenna Wi (270 Deg)	None					96			
25	Antenna Wi (300 Deg)	None					96			
26	Antenna Wi (330 Deg)	None					96			
27	Antenna Wm (0 Deg)	None					96			
28	Antenna Wm (30 Deg)	None					96			
29	Antenna Wm (60 Deg)	None					96			
30	Antenna Wm (90 Deg)	None					96			
31	Antenna Wm (120 Deg)	None					96			
32	Antenna Wm (150 Deg)	None					96			
33	Antenna Wm (180 Deg)	None					96			
34	Antenna Wm (210 Deg)	None					96			
35	Antenna Wm (240 Deg)	None					96			
36	Antenna Wm (270 Deg)	None					96			
37	Antenna Wm (300 Deg)	None					96			
38	Antenna Wm (330 Deg)	None					96			
39	Structure D	None		-1					6	
40	Structure Di	None						63	6	
41	Structure Wo (0 Deg)	None						126		
42	Structure Wo (30 Deg)	None						126		
43	Structure Wo (60 Deg)	None						126		
44	Structure Wo (90 Deg)	None						126		
45	Structure Wo (120 D...	None						126		
46	Structure Wo (150 D...	None						126		
47	Structure Wo (180 D...	None						126		
48	Structure Wo (210 D...	None						126		
49	Structure Wo (240 D...	None						126		
50	Structure Wo (270 D...	None						126		
51	Structure Wo (300 D...	None						126		
52	Structure Wo (330 D...	None						126		
53	Structure Wi (0 Deg)	None						126		
54	Structure Wi (30 Deg)	None						126		
55	Structure Wi (60 Deg)	None						126		
56	Structure Wi (90 Deg)	None						126		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
57	Structure Wi (120 De...	None						126		
58	Structure Wi (150 De...	None						126		
59	Structure Wi (180 De...	None						126		
60	Structure Wi (210 De...	None						126		
61	Structure Wi (240 De...	None						126		
62	Structure Wi (270 De...	None						126		
63	Structure Wi (300 De...	None						126		
64	Structure Wi (330 De...	None						126		
65	Structure Wm (0 Deg)	None						126		
66	Structure Wm (30 De...	None						126		
67	Structure Wm (60 De...	None						126		
68	Structure Wm (90 De...	None						126		
69	Structure Wm (120 D...	None						126		
70	Structure Wm (150 D...	None						126		
71	Structure Wm (180 D...	None						126		
72	Structure Wm (210 D...	None						126		
73	Structure Wm (240 D...	None						126		
74	Structure Wm (270 D...	None						126		
75	Structure Wm (300 D...	None						126		
76	Structure Wm (330 D...	None						126		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 39 Transient Are...	None						48		
82	BLC 40 Transient Are...	None						48		

Load Combinations

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

Load Combinations (Continued)

	Description	Solve	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
27	1.2D + 1.5Lm1 + 1.0Wm (60...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + 1.0Wm (90...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + 1.0Wm (12...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1.0Wm (15...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1.0Wm (18...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1.0Wm (21...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1.0Wm (24...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1.0Wm (27...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1.0Wm (30...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1.0Wm (33...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1.0Wm (0 ...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1.0Wm (30...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1.0Wm (60...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1.0Wm (90...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1.0Wm (12...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1.0Wm (15...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1.0Wm (18...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1.0Wm (21...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1.0Wm (24...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1.0Wm (27...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1.0Wm (30...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1.0Wm (33...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	Seismic Mass		Y		1	1	39	1																
53	1.2D + 1.0Ev + 1.0Eh (0 Deg)		Y		1	1.2	39	1.2	SX		SY	1	SZ	-1										
54	1.2D + 1.0Ev + 1.0Eh (30 D...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	-.8...										
55	1.2D + 1.0Ev + 1.0Eh (60 D...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5										
56	1.2D + 1.0Ev + 1.0Eh (90 D...		Y		1	1.2	39	1.2	SX	1	SY	1	SZ											
57	1.2D + 1.0Ev + 1.0Eh (120 ...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	.5										
58	1.2D + 1.0Ev + 1.0Eh (150 ...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	.866										
59	1.2D + 1.0Ev + 1.0Eh (180 ...		Y		1	1.2	39	1.2	SX		SY	1	SZ	1										
60	1.2D + 1.0Ev + 1.0Eh (210 ...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	.866										
61	1.2D + 1.0Ev + 1.0Eh (240 ...		Y		1	1.2	39	1.2	SX	-.8...	SY	1	SZ	.5										
62	1.2D + 1.0Ev + 1.0Eh (270 ...		Y		1	1.2	39	1.2	SX	-1	SY	1	SZ											
63	1.2D + 1.0Ev + 1.0Eh (300 ...		Y		1	1.2	39	1.2	SX	-.8...	SY	1	SZ	-.5										
64	1.2D + 1.0Ev + 1.0Eh (330 ...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	-.8...										

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	CP	0	0	0	0	
2	N12	-0.	-0.416667	-1.116667	0	
3	N13	-0.	-0.416667	-7.366667	0	
4	N16A	-6.229177	0	3.75625	0	
5	N17	6.229177	0	3.75625	0	
6	N41	-6.250011	3.5	3.75625	0	
7	N42	6.250011	3.5	3.75625	0	
8	N134	-5.885207	0	2.680977	0	
9	N135A	-0.620809	0	-6.437227	0	
10	N134A	5.264398	0	3.75625	0	
11	N135	-5.264398	0	3.75625	0	
12	N142	0.620809	0	-6.437227	0	
13	N143	5.885207	0	2.680977	0	
14	N143A	5.574802	0	3.218614	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
15	N145	-0.	0	-6.437227	0	
16	N147	-5.574802	0	3.218614	0	
17	N149	5.574802	-0.416667	3.218614	0	
18	N151	-0.	-0.416667	-6.437227	0	
19	N153	-5.574802	-0.416667	3.218614	0	
20	N95A	-0.000005	0	-2.033333	0	
21	N97A	-0.	-0.416667	-2.033333	0	
22	N91	6.367597	0	3.516501	0	
23	N92	0.138419	0	-7.272751	0	
24	N96A	-0.138419	0	-7.272751	0	
25	N97	-6.367597	0	3.516501	0	
26	N98A	5.979177	0	3.75625	0	
27	N99B	5.979177	3.5	3.75625	0	
28	N100	5.979177	0	4.00625	0	
29	N101	5.979177	3.5	4.00625	0	
30	N102	5.979177	4.333333	4.00625	0	
31	N103	5.979177	-0.666667	4.00625	0	
32	N104	3.895844	0	3.75625	0	
33	N105	3.895844	3.5	3.75625	0	
34	N106	3.895844	0	4.00625	0	
35	N107	3.895844	3.5	4.00625	0	
36	N108	3.895844	4.333333	4.00625	0	
37	N109	3.895844	-0.666667	4.00625	0	
38	N110	-3.979156	0	3.75625	0	
39	N111	-3.979156	3.5	3.75625	0	
40	N112	-3.979156	0	4.00625	0	
41	N113	-3.979156	3.5	4.00625	0	
42	N114	-3.979156	4.333333	4.00625	0	
43	N115	-3.979156	-0.666667	4.00625	0	
44	N116	-6.041656	0	3.75625	0	
45	N117	-6.041656	3.5	3.75625	0	
46	N118	-6.041656	0	4.00625	0	
47	N119	-6.041656	3.5	4.00625	0	
48	N120	-6.041656	4.333333	4.00625	0	
49	N121	-6.041656	-0.666667	4.00625	0	
50	N122	-0.020823	0	3.75625	0	
51	N123	-0.020823	3.5	3.75625	0	
52	N124	-0.020823	0	4.00625	0	
53	N125	-0.020823	3.5	4.00625	0	
54	N126	-0.020823	6	4.00625	0	
55	N127A	-0.020823	-1	4.00625	0	
56	N129A	0.263419	0	-7.056244	0	
57	N130A	0.263419	3.5	-7.056244	0	
58	N131A	0.479926	0	-7.181244	0	
59	N132A	0.479926	3.5	-7.181244	0	
60	N133B	0.479926	4.333333	-7.181244	0	
61	N134B	0.479926	-0.666667	-7.181244	0	
62	N135B	1.305086	0	-5.252025	0	
63	N136B	1.305086	3.5	-5.252025	0	
64	N137A	1.521592	0	-5.377025	0	
65	N138A	1.521592	3.5	-5.377025	0	
66	N139A	1.521592	4.333333	-5.377025	0	
67	N140A	1.521592	-0.666667	-5.377025	0	
68	N141A	5.242586	0	1.567925	0	
69	N142A	5.242586	3.5	1.567925	0	
70	N143B	5.459092	0	1.442925	0	
71	N144A	5.459092	3.5	1.442925	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
72	N145A	5.459092	4.333333	1.442925	0	
73	N146	5.459092	-0.666667	1.442925	0	
74	N147A	6.273836	0	3.354103	0	
75	N148	6.273836	3.5	3.354103	0	
76	N149A	6.490342	0	3.229103	0	
77	N150	6.490342	3.5	3.229103	0	
78	N151A	6.490342	4.333333	3.229103	0	
79	N152	6.490342	-0.666667	3.229103	0	
80	N153C	3.263419	0	-1.860092	0	
81	N154B	3.263419	3.5	-1.860092	0	
82	N155B	3.479926	0	-1.985092	0	
83	N156B	3.479926	3.5	-1.985092	0	
84	N157B	3.479926	6	-1.985092	0	
85	N158A	3.479926	-1	-1.985092	0	
86	N160A	-6.242597	0	3.299994	0	
87	N161A	-6.242597	3.5	3.299994	0	
88	N162A	-6.459103	0	3.174994	0	
89	N163	-6.459103	3.5	3.174994	0	
90	N164	-6.459103	4.333333	3.174994	0	
91	N165A	-6.459103	-0.666667	3.174994	0	
92	N166A	-5.20093	0	1.495775	0	
93	N167	-5.20093	3.5	1.495775	0	
94	N168	-5.417436	0	1.370775	0	
95	N169A	-5.417436	3.5	1.370775	0	
96	N170A	-5.417436	4.333333	1.370775	0	
97	N171A	-5.417436	-0.666667	1.370775	0	
98	N172A	-1.26343	0	-5.324175	0	
99	N173A	-1.26343	3.5	-5.324175	0	
100	N174A	-1.479936	0	-5.449175	0	
101	N175	-1.479936	3.5	-5.449175	0	
102	N176	-1.479936	4.333333	-5.449175	0	
103	N177	-1.479936	-0.666667	-5.449175	0	
104	N178	-0.23218	0	-7.110353	0	
105	N179	-0.23218	3.5	-7.110353	0	
106	N180	-0.448686	0	-7.235353	0	
107	N181	-0.448686	3.5	-7.235353	0	
108	N182	-0.448686	4.333333	-7.235353	0	
109	N183	-0.448686	-0.666667	-7.235353	0	
110	N184	-3.242597	0	-1.896158	0	
111	N185	-3.242597	3.5	-1.896158	0	
112	N186	-3.459103	0	-2.021158	0	
113	N187	-3.459103	3.5	-2.021158	0	
114	N188	-3.459103	6	-2.021158	0	
115	N189	-3.459103	-1	-2.021158	0	
116	N188A	-1.400074	-0.416667	0.808333	0	
117	N189A	-1.566741	-0.416667	0.519658	0	
118	N190	-1.566741	-0.916667	0.519658	0	
119	N191	-1.566741	2.083333	0.519658	0	
120	N201B	-0.967062	-0.416667	0.558333	0	
121	N202A	-6.37972	-0.416667	3.683333	0	
122	N204	0.967062	-0.416667	0.558333	0	
123	N205	6.37972	-0.416667	3.683333	0	
124	N159A	3.163398	0	-2.033333	0	
125	N160	-3.163398	0	-2.033333	0	
126	N161	-2.746732	0	-2.033333	0	
127	N162	2.688268	0	-2.033333	0	
128	N164A	-1.760916	0	1.016671	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
129	N165	-1.760926	-0.416667	1.016671	0	
130	N166	-3.342618	0	-1.722917	0	
131	N167A	-0.179219	0	3.75625	0	
132	N168A	-0.387553	0	3.395406	0	
133	N169	-3.105053	0	-1.311442	0	
134	N171	1.760921	0	1.016662	0	
135	N172	1.760911	-0.416667	1.016662	0	
136	N173	0.179219	0	3.75625	0	
137	N174	3.342618	0	-1.722917	0	
138	N175A	3.134284	0	-1.362073	0	
139	N176A	0.416784	0	3.344775	0	
140	N157	1.521592	4.083333	-5.377025	0	
141	N158B	1.521592	3.583333	-5.377025	0	
142	N159B	1.738099	4.083333	-5.502025	0	
143	N160B	1.738099	3.583333	-5.502025	0	
144	N161B	1.305086	4.083333	-5.252025	0	
145	N162B	1.305086	3.583333	-5.252025	0	
146	N163A	1.488099	4.083333	-5.935037	0	
147	N164B	1.488099	3.583333	-5.935037	0	
148	N165B	1.055086	4.083333	-5.685037	0	
149	N166B	1.055086	3.583333	-5.685037	0	
150	N167B	1.271592	4.083333	-5.810037	0	
151	N168B	1.271592	3.583333	-5.810037	0	
152	N169B	1.271592	3.333333	-5.810037	0	
153	N170	1.271592	6.333333	-5.810037	0	
154	N171C	5.979177	3.416667	4.00625	0	
155	N172C	6.195684	3.416667	3.88125	0	
156	N173B	5.762671	3.416667	4.13125	0	
157	N174B	5.820684	3.416667	3.231731	0	
158	N175B	5.387671	3.416667	3.481731	0	
159	N176B	5.604177	3.416667	3.356731	0	
160	N177A	5.604177	3.666667	3.356731	0	
161	N178A	5.604177	0.666667	3.356731	0	
162	N179A	5.979177	0.916667	4.00625	0	
163	N180A	6.195684	0.916667	3.88125	0	
164	N181A	5.762671	0.916667	4.13125	0	
165	N182A	5.820684	0.916667	3.231731	0	
166	N183A	5.387671	0.916667	3.481731	0	
167	N184A	5.604177	0.916667	3.356731	0	
168	N186A	0.479926	3.416667	-7.181244	0	
169	N187A	0.263419	3.416667	-7.306244	0	
170	N188B	0.696432	3.416667	-7.056244	0	
171	N189B	-0.111581	3.416667	-6.656725	0	
172	N190A	0.321432	3.416667	-6.406725	0	
173	N191A	0.104926	3.416667	-6.531725	0	
174	N192	0.104926	3.666667	-6.531725	0	
175	N193	0.104926	0.666667	-6.531725	0	
176	N194	0.479926	0.916667	-7.181244	0	
177	N195	0.263419	0.916667	-7.306244	0	
178	N196	0.696432	0.916667	-7.056244	0	
179	N197	-0.111581	0.916667	-6.656725	0	
180	N198	0.321432	0.916667	-6.406725	0	
181	N199	0.104926	0.916667	-6.531725	0	
182	N201	-6.459103	3.416667	3.174994	0	
183	N202B	-6.459103	3.416667	3.424994	0	
184	N203A	-6.459103	3.416667	2.924994	0	
185	N204A	-5.709103	3.416667	3.424994	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
186	N205A	-5.709103	3.416667	2.924994	0	
187	N206	-5.709103	3.416667	3.174994	0	
188	N207	-5.709103	3.666667	3.174994	0	
189	N208	-5.709103	0.666667	3.174994	0	
190	N209	-6.459103	0.916667	3.174994	0	
191	N210	-6.459103	0.916667	3.424994	0	
192	N211	-6.459103	0.916667	2.924994	0	
193	N212	-5.709103	0.916667	3.424994	0	
194	N213	-5.709103	0.916667	2.924994	0	
195	N214	-5.709103	0.916667	3.174994	0	
196	N213A	0.999995	0	-2.033333	0	
197	N214A	-1.000005	0	-2.033333	0	
198	N217	-2.260916	0	0.150646	0	
199	N218	-1.260916	0	1.882697	0	
200	N221	1.260921	0	1.882688	0	
201	N222	2.260921	0	0.150637	0	
202	N202	6.378013	3.5	3.534543	0	
203	N203	0.128003	3.5	-7.290793	0	
204	N204B	-0.128003	3.5	-7.290793	0	
205	N205B	-6.378013	3.5	3.534543	0	
206	N206A	5.000011	3.5	3.75625	0	
207	N207A	5.000011	3.5	3.63125	0	
208	N218A	-0.	-3.416667	-1.116667	0	
209	N219	-0.	-0.416667	-5.366667	0	
210	N220	-0.967062	-3.416667	0.558333	0	
211	N221A	-4.64767	-0.416667	2.683333	0	
212	N222A	0.967062	-3.416667	0.558333	0	
213	N223	4.64767	-0.416667	2.683333	0	
214	N216	-5.000011	3.5	3.75625	0	
215	N217A	-5.000011	3.5	3.63125	0	
216	N218B	0.753003	3.5	-6.208261	0	
217	N219A	0.644749	3.5	-6.145761	0	
218	N220A	5.753013	3.5	2.452011	0	
219	N221B	5.64476	3.5	2.514511	0	
220	N222B	-5.753013	3.5	2.452011	0	
221	N223A	-5.64476	3.5	2.514511	0	
222	N224	-0.753003	3.5	-6.208261	0	
223	N225	-0.644749	3.5	-6.145761	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Mount Pipe	PIPE_2.0	Column	Wide Flange	A53 Gr. B	Typical	1.02	.627	.627	1.25
2	Standoff	HSS4X4X4	Beam	SquareTube	A500 Gr. B 46	Typical	3.37	7.8	7.8	12.8
3	Face Horizontal	L6X3.5X4	Beam	Single Angle	A36 Gr.36	Typical	2.313	2.337	8.86	.047
4	Cross Member	L6X3.5X4	Beam	Single Angle	A36 Gr.36	Typical	2.313	2.337	8.86	.047
5	Bottom Corner Plate	PL1/2X7	Beam	RECT	A36 Gr.36	Typical	3.5	.073	14.292	.279
6	Support Ralil Corne...	PL1/2x5	Beam	RECT	A36 Gr.36	Typical	2.5	.052	5.208	.195
7	Support Rails	L2.5x2.5x3	Beam	Single Angle	A36 Gr.36	Typical	.901	.535	.535	.011
8	Cross Member Plate	PL1/2x4.5	Beam	Single Angle	A36 Gr.36	Typical	2.25	.047	3.797	.174
9	Mod Dual Antenna	PIPE_2.5	Column	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
10	Threaded Rods	SR_0.5	Beam	BAR	A36 Gr.36	Typical	.196	.003	.003	.006
11	GPS Pipe	PIPE_1.25	Column	Pipe	A36 Gr.36	Typical	.625	.184	.184	.368
12	TES crossmember ...	PL1/2x5	Column	Pipe	A36 Gr.36	Typical	2.5	.052	5.208	.195
13	TES face/crossme...	L6X4X5	Column	Pipe	A36 Gr.36	Typical	3.03	4.13	11.4	.104
14	Mod Support Rail	PIPE_2.5	Beam	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89

Hot Rolled Steel Section Sets (Continued)

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
15	Mod Support Rail C...	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
16	Mod Kicker	LL3x3x3x6	Column	Double Angle (3/8 ...	A36 Gr.36	Typical	2.18	4.97	1.9	.027

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M5	N13	N12			Standoff	Beam	SquareTube	A500 Gr. ...	Typical
2	M7	N16A	N17		180	Face Horizontal	Beam	Single Angle	A36 Gr.36	Typical
3	M29	N42	N41		90	Mod Support ...	Beam	Pipe	A53 Gr. B	Typical
4	M80	N142	N135A		90	Bottom Corne...	Beam	RECT	A36 Gr.36	Typical
5	M81	N134	N135		90	Bottom Corne...	Beam	RECT	A36 Gr.36	Typical
6	M82	N143	N134A		90	Bottom Corne...	Beam	RECT	A36 Gr.36	Typical
7	M83	N145	N151			RIGID	None	None	RIGID	Typical
8	M86	N147	N153			RIGID	None	None	RIGID	Typical
9	M88	N143A	N149			RIGID	None	None	RIGID	Typical
10	M53A	N95A	N97A			RIGID	None	None	RIGID	Typical
11	M51	N91	N92		180	Face Horizontal	Beam	Single Angle	A36 Gr.36	Typical
12	M53	N96A	N97		180	Face Horizontal	Beam	Single Angle	A36 Gr.36	Typical
13	M55	N99B	N101			RIGID	None	None	RIGID	Typical
14	M56	N98A	N100			RIGID	None	None	RIGID	Typical
15	MP1A	N102	N103			Mount Pipe	Column	Wide Flange	A53 Gr. B	Typical
16	M58	N105	N107			RIGID	None	None	RIGID	Typical
17	M59	N104	N106			RIGID	None	None	RIGID	Typical
18	MP2A	N108	N109			Mount Pipe	Column	Wide Flange	A53 Gr. B	Typical
19	M61	N111	N113			RIGID	None	None	RIGID	Typical
20	M62	N110	N112			RIGID	None	None	RIGID	Typical
21	MP4A	N114	N115			Mount Pipe	Column	Wide Flange	A53 Gr. B	Typical
22	M64	N117	N119			RIGID	None	None	RIGID	Typical
23	M65A	N116	N118			RIGID	None	None	RIGID	Typical
24	MP5A	N120	N121			Mount Pipe	Column	Wide Flange	A53 Gr. B	Typical
25	M67	N123	N125			RIGID	None	None	RIGID	Typical
26	M68A	N122	N124			RIGID	None	None	RIGID	Typical
27	MP3A	N126	N127A			Mod Dual Ante...	Column	Pipe	A53 Gr. B	Typical
28	M70	N130A	N132A			RIGID	None	None	RIGID	Typical
29	M71	N129A	N131A			RIGID	None	None	RIGID	Typical
30	MP1C	N133B	N134B			Mount Pipe	Column	Wide Flange	A53 Gr. B	Typical
31	M73A	N136B	N138A			RIGID	None	None	RIGID	Typical
32	M74B	N135B	N137A			RIGID	None	None	RIGID	Typical
33	MP2C	N139A	N140A			Mount Pipe	Column	Wide Flange	A53 Gr. B	Typical
34	M76A	N142A	N144A			RIGID	None	None	RIGID	Typical
35	M77B	N141A	N143B			RIGID	None	None	RIGID	Typical
36	MP4C	N145A	N146			Mount Pipe	Column	Wide Flange	A53 Gr. B	Typical
37	M79B	N148	N150			RIGID	None	None	RIGID	Typical
38	M80B	N147A	N149A			RIGID	None	None	RIGID	Typical
39	MP5C	N151A	N152			Mount Pipe	Column	Wide Flange	A53 Gr. B	Typical
40	M82C	N154B	N156B			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
41	M83C	N153C	N155B			RIGID	None	None	RIGID	Typical
42	MP3C	N157B	N158A			Mod Dual Ante...	Column	Pipe	A53 Gr. B	Typical
43	M85A	N161A	N163			RIGID	None	None	RIGID	Typical
44	M86B	N160A	N162A			RIGID	None	None	RIGID	Typical
45	MP1B	N164	N165A			Mount Pipe	Column	Wide Flange	A53 Gr. B	Typical
46	M88B	N167	N169A			RIGID	None	None	RIGID	Typical
47	M89A	N166A	N168			RIGID	None	None	RIGID	Typical
48	MP2B	N170A	N171A			Mount Pipe	Column	Wide Flange	A53 Gr. B	Typical
49	M91	N173A	N175			RIGID	None	None	RIGID	Typical
50	M92	N172A	N174A			RIGID	None	None	RIGID	Typical
51	MP4B	N176	N177			Mount Pipe	Column	Wide Flange	A53 Gr. B	Typical
52	M94	N179	N181			RIGID	None	None	RIGID	Typical
53	M95	N178	N180			RIGID	None	None	RIGID	Typical
54	MP5B	N182	N183			Mount Pipe	Column	Wide Flange	A53 Gr. B	Typical
55	M97	N185	N187			RIGID	None	None	RIGID	Typical
56	M98	N184	N186			RIGID	None	None	RIGID	Typical
57	MP3B	N188	N189			Mod Dual Ante...	Column	Pipe	A53 Gr. B	Typical
58	M100	N188A	N189A			RIGID	None	None	RIGID	Typical
59	M101	N191	N190			Mount Pipe	Column	Wide Flange	A53 Gr. B	Typical
60	M106A	N202A	N201B			Standoff	Beam	SquareTube	A500 Gr. ...	Typical
61	M107A	N205	N204			Standoff	Beam	SquareTube	A500 Gr. ...	Typical
62	M85	N160	N161			Cross Member...	Beam	Single Angle	A36 Gr.36	Typical
63	M86A	N161	N162		90	Cross Member	Beam	Single Angle	A36 Gr.36	Typical
64	M87	N162	N159A			Cross Member...	Beam	Single Angle	A36 Gr.36	Typical
65	M88A	N164A	N165			RIGID	None	None	RIGID	Typical
66	M89B	N167A	N168A			Cross Member...	Beam	Single Angle	A36 Gr.36	Typical
67	M90A	N168A	N169		90	Cross Member	Beam	Single Angle	A36 Gr.36	Typical
68	M91A	N169	N166			Cross Member...	Beam	Single Angle	A36 Gr.36	Typical
69	M92A	N171	N172			RIGID	None	None	RIGID	Typical
70	M93	N174	N175A			Cross Member...	Beam	Single Angle	A36 Gr.36	Typical
71	M94A	N175A	N176A		90	Cross Member	Beam	Single Angle	A36 Gr.36	Typical
72	M95A	N176A	N173			Cross Member...	Beam	Single Angle	A36 Gr.36	Typical
73	M84	N159B	N157			RIGID	None	None	RIGID	Typical
74	M85B	N157	N161B			RIGID	None	None	RIGID	Typical
75	M86C	N160B	N158B			RIGID	None	None	RIGID	Typical
76	M87A	N158B	N162B			RIGID	None	None	RIGID	Typical
77	M89C	N161B	N165B			Threaded Rods	Beam	BAR	A36 Gr.36	Typical
78	M90B	N160B	N164B			Threaded Rods	Beam	BAR	A36 Gr.36	Typical
79	M90C	N162B	N166B			Threaded Rods	Beam	BAR	A36 Gr.36	Typical
80	M91B	N159B	N163A			Threaded Rods	Beam	BAR	A36 Gr.36	Typical
81	M92B	N163A	N167B			RIGID	None	None	RIGID	Typical
82	M93A	N167B	N165B			RIGID	None	None	RIGID	Typical
83	M94B	N164B	N168B			RIGID	None	None	RIGID	Typical
84	M95B	N168B	N166B			RIGID	None	None	RIGID	Typical
85	M96	N170	N169B			GPS Pipe	Column	Pipe	A36 Gr.36	Typical
86	M97A	N173B	N171C			RIGID	None	None	RIGID	Typical
87	M98A	N171C	N172C			RIGID	None	None	RIGID	Typical
88	M99	N173B	N175B			Threaded Rods	Beam	BAR	A36 Gr.36	Typical
89	M100A	N172C	N174B			Threaded Rods	Beam	BAR	A36 Gr.36	Typical
90	M101A	N175B	N176B			RIGID	None	None	RIGID	Typical
91	M102A	N176B	N174B			RIGID	None	None	RIGID	Typical
92	M103A	N177A	N178A			Mount Pipe	Column	Wide Flange	A53 Gr. B	Typical
93	M104	N181A	N179A			RIGID	None	None	RIGID	Typical
94	M105	N179A	N180A			RIGID	None	None	RIGID	Typical
95	M106	N181A	N183A			Threaded Rods	Beam	BAR	A36 Gr.36	Typical
96	M107	N180A	N182A			Threaded Rods	Beam	BAR	A36 Gr.36	Typical
97	M108	N183A	N184A			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
98	M109	N184A	N182A			RIGID	None	None	RIGID	Typical
99	M110	N188B	N186A			RIGID	None	None	RIGID	Typical
100	M111	N186A	N187A			RIGID	None	None	RIGID	Typical
101	M112	N188B	N190A			Threaded Rods	Beam	BAR	A36 Gr.36	Typical
102	M113	N187A	N189B			Threaded Rods	Beam	BAR	A36 Gr.36	Typical
103	M114	N190A	N191A			RIGID	None	None	RIGID	Typical
104	M115	N191A	N189B			RIGID	None	None	RIGID	Typical
105	M116	N192	N193			Mount Pipe	Column	Wide Flange	A53 Gr. B	Typical
106	M117	N196	N194			RIGID	None	None	RIGID	Typical
107	M118	N194	N195			RIGID	None	None	RIGID	Typical
108	M119	N196	N198			Threaded Rods	Beam	BAR	A36 Gr.36	Typical
109	M120	N195	N197			Threaded Rods	Beam	BAR	A36 Gr.36	Typical
110	M121	N198	N199			RIGID	None	None	RIGID	Typical
111	M122	N199	N197			RIGID	None	None	RIGID	Typical
112	M123	N203A	N201			RIGID	None	None	RIGID	Typical
113	M124	N201	N202B			RIGID	None	None	RIGID	Typical
114	M125	N203A	N205A			Threaded Rods	Beam	BAR	A36 Gr.36	Typical
115	M126	N202B	N204A			Threaded Rods	Beam	BAR	A36 Gr.36	Typical
116	M127	N205A	N206			RIGID	None	None	RIGID	Typical
117	M128	N206	N204A			RIGID	None	None	RIGID	Typical
118	M129	N207	N208			Mount Pipe	Column	Wide Flange	A53 Gr. B	Typical
119	M130	N211	N209			RIGID	None	None	RIGID	Typical
120	M131	N209	N210			RIGID	None	None	RIGID	Typical
121	M132	N211	N213			Threaded Rods	Beam	BAR	A36 Gr.36	Typical
122	M133	N210	N212			Threaded Rods	Beam	BAR	A36 Gr.36	Typical
123	M134	N213	N214			RIGID	None	None	RIGID	Typical
124	M135	N214	N212			RIGID	None	None	RIGID	Typical
125	M125A	N203	N202		90	Mod Support ...	Beam	Pipe	A53 Gr. B	Typical
126	M126A	N205B	N204B		90	Mod Support ...	Beam	Pipe	A53 Gr. B	Typical
127	M127A	N206A	N207A			RIGID	None	None	RIGID	Typical
128	M133A	N207A	N221B		180	Mod Support ...	Beam	Single Angle	A36 Gr.36	Typical
129	M136	N218A	N219			Mod Kicker	Column	Double Angle (...	A36 Gr.36	Typical
130	M137	N220	N221A			Mod Kicker	Column	Double Angle (...	A36 Gr.36	Typical
131	M138	N222A	N223			Mod Kicker	Column	Double Angle (...	A36 Gr.36	Typical
132	M133B	N216	N217A			RIGID	None	None	RIGID	Typical
133	M134A	N218B	N219A			RIGID	None	None	RIGID	Typical
134	M135A	N220A	N221B			RIGID	None	None	RIGID	Typical
135	M136A	N222B	N223A			RIGID	None	None	RIGID	Typical
136	M137A	N224	N225			RIGID	None	None	RIGID	Typical
137	M137B	N219A	N225		180	Mod Support ...	Beam	Single Angle	A36 Gr.36	Typical
138	M138A	N223A	N217A		180	Mod Support ...	Beam	Single Angle	A36 Gr.36	Typical

Hot Rolled Steel Design Parameters

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
1	M5	Standoff	6.25			Lbyy						Lateral
2	M7	Face Horizo...	12.458			Lbyy						Lateral
3	M29	Mod Suppor...	12.5			Lbyy						Lateral
4	M80	Bottom Cor...	1.242			Lbyy						Lateral
5	M81	Bottom Cor...	1.242			Lbyy						Lateral
6	M82	Bottom Cor...	1.242			Lbyy						Lateral
7	M51	Face Horizo...	12.458			Lbyy						Lateral
8	M53	Face Horizo...	12.458			Lbyy						Lateral
9	MP1A	Mount Pipe	5			Lbyy						Lateral
10	MP2A	Mount Pipe	5			Lbyy						Lateral
11	MP4A	Mount Pipe	5			Lbyy						Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
12	MP5A	Mount Pipe	5			Lbyy						Lateral
13	MP3A	Mod Dual A...	7			Lbyy						Lateral
14	MP1C	Mount Pipe	5			Lbyy						Lateral
15	MP2C	Mount Pipe	5			Lbyy						Lateral
16	MP4C	Mount Pipe	5			Lbyy						Lateral
17	MP5C	Mount Pipe	5			Lbyy						Lateral
18	MP3C	Mod Dual A...	7			Lbyy						Lateral
19	MP1B	Mount Pipe	5			Lbyy						Lateral
20	MP2B	Mount Pipe	5			Lbyy						Lateral
21	MP4B	Mount Pipe	5			Lbyy						Lateral
22	MP5B	Mount Pipe	5			Lbyy						Lateral
23	MP3B	Mod Dual A...	7			Lbyy						Lateral
24	M101	Mount Pipe	3			Lbyy						Lateral
25	M106A	Standoff	6.25			Lbyy						Lateral
26	M107A	Standoff	6.25			Lbyy						Lateral
27	M85	Cross Mem...	.417			Lbyy						Lateral
28	M86A	Cross Mem...	5.435			Lbyy						Lateral
29	M87	Cross Mem...	.475			Lbyy						Lateral
30	M89B	Cross Mem...	.417			Lbyy						Lateral
31	M90A	Cross Mem...	5.435			Lbyy						Lateral
32	M91A	Cross Mem...	.475			Lbyy						Lateral
33	M93	Cross Mem...	.417			Lbyy						Lateral
34	M94A	Cross Mem...	5.435			Lbyy						Lateral
35	M95A	Cross Mem...	.475			Lbyy						Lateral
36	M89C	Threaded R...	.5			Lbyy						Lateral
37	M90B	Threaded R...	.5			Lbyy						Lateral
38	M90C	Threaded R...	.5			Lbyy						Lateral
39	M91B	Threaded R...	.5			Lbyy						Lateral
40	M96	GPS Pipe	3									Lateral
41	M99	Threaded R...	.75			Lbyy						Lateral
42	M100A	Threaded R...	.75			Lbyy						Lateral
43	M103A	Mount Pipe	3									Lateral
44	M106	Threaded R...	.75			Lbyy						Lateral
45	M107	Threaded R...	.75			Lbyy						Lateral
46	M112	Threaded R...	.75			Lbyy						Lateral
47	M113	Threaded R...	.75			Lbyy						Lateral
48	M116	Mount Pipe	3									Lateral
49	M119	Threaded R...	.75			Lbyy						Lateral
50	M120	Threaded R...	.75			Lbyy						Lateral
51	M125	Threaded R...	.75			Lbyy						Lateral
52	M126	Threaded R...	.75			Lbyy						Lateral
53	M129	Mount Pipe	3									Lateral
54	M132	Threaded R...	.75			Lbyy						Lateral
55	M133	Threaded R...	.75			Lbyy						Lateral
56	M125A	Mod Suppor...	12.5			Lbyy						Lateral
57	M126A	Mod Suppor...	12.5			Lbyy						Lateral
58	M133A	Mod Suppor...	1.289			Lbyy						Lateral
59	M136	Mod Kicker	5.202									Lateral
60	M137	Mod Kicker	5.202									Lateral
61	M138	Mod Kicker	5.202									Lateral
62	M137B	Mod Suppor...	1.289			Lbyy						Lateral
63	M138A	Mod Suppor...	1.289			Lbyy						Lateral

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-43.55	2.25
2	MP1A	My	-.022	2.25
3	MP1A	Mz	0	2.25
4	MP1A	Y	-43.55	3.5
5	MP1A	My	-.022	3.5
6	MP1A	Mz	0	3.5
7	MP1B	Y	-43.55	2.25
8	MP1B	My	.011	2.25
9	MP1B	Mz	-.019	2.25
10	MP1B	Y	-43.55	3.5
11	MP1B	My	.011	3.5
12	MP1B	Mz	-.019	3.5
13	MP1C	Y	-43.55	2.25
14	MP1C	My	.011	2.25
15	MP1C	Mz	.019	2.25
16	MP1C	Y	-43.55	3.5
17	MP1C	My	.011	3.5
18	MP1C	Mz	.019	3.5
19	MP5A	Y	-22.95	1
20	MP5A	My	-.011	1
21	MP5A	Mz	0	1
22	MP5A	Y	-22.95	4.75
23	MP5A	My	-.011	4.75
24	MP5A	Mz	0	4.75
25	MP5B	Y	-22.95	1
26	MP5B	My	.006	1
27	MP5B	Mz	-.01	1
28	MP5B	Y	-22.95	4.75
29	MP5B	My	.006	4.75
30	MP5B	Mz	-.01	4.75
31	MP5C	Y	-22.95	1
32	MP5C	My	.006	1
33	MP5C	Mz	.01	1
34	MP5C	Y	-22.95	4.75
35	MP5C	My	.006	4.75
36	MP5C	Mz	.01	4.75
37	M101	Y	-32	1.5
38	M101	My	0	1.5
39	M101	Mz	0	1.5
40	M96	Y	-.4	0
41	M96	My	0	0
42	M96	Mz	0	0
43	MP3A	Y	-21.85	2
44	MP3A	My	-.011	2
45	MP3A	Mz	.013	2
46	MP3A	Y	-21.85	5.75
47	MP3A	My	-.011	5.75
48	MP3A	Mz	.013	5.75
49	MP3B	Y	-21.85	2
50	MP3B	My	-.006	2
51	MP3B	Mz	-.016	2
52	MP3B	Y	-21.85	5.75
53	MP3B	My	-.006	5.75
54	MP3B	Mz	-.016	5.75
55	MP3C	Y	-21.85	2
56	MP3C	My	.017	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
57	MP3C	Mz	.003	2
58	MP3C	Y	-21.85	5.75
59	MP3C	My	.017	5.75
60	MP3C	Mz	.003	5.75
61	MP3A	Y	-21.85	2
62	MP3A	My	-.011	2
63	MP3A	Mz	-.013	2
64	MP3A	Y	-21.85	5.75
65	MP3A	My	-.011	5.75
66	MP3A	Mz	-.013	5.75
67	MP3B	Y	-21.85	2
68	MP3B	My	.017	2
69	MP3B	Mz	-.003	2
70	MP3B	Y	-21.85	5.75
71	MP3B	My	.017	5.75
72	MP3B	Mz	-.003	5.75
73	MP3C	Y	-21.85	2
74	MP3C	My	-.006	2
75	MP3C	Mz	.016	2
76	MP3C	Y	-21.85	5.75
77	MP3C	My	-.006	5.75
78	MP3C	Mz	.016	5.75
79	MP4A	Y	-70.3	3
80	MP4A	My	.035	3
81	MP4A	Mz	0	3
82	MP4B	Y	-70.3	3
83	MP4B	My	-.018	3
84	MP4B	Mz	.03	3
85	MP4C	Y	-70.3	3
86	MP4C	My	-.018	3
87	MP4C	Mz	-.03	3
88	MP2A	Y	-84.4	3
89	MP2A	My	.042	3
90	MP2A	Mz	0	3
91	MP2B	Y	-84.4	3
92	MP2B	My	-.021	3
93	MP2B	Mz	.037	3
94	MP2C	Y	-84.4	3
95	MP2C	My	-.021	3
96	MP2C	Mz	-.037	3

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-72.585	2.25
2	MP1A	My	-.036	2.25
3	MP1A	Mz	0	2.25
4	MP1A	Y	-72.585	3.5
5	MP1A	My	-.036	3.5
6	MP1A	Mz	0	3.5
7	MP1B	Y	-72.585	2.25
8	MP1B	My	.018	2.25
9	MP1B	Mz	-.031	2.25
10	MP1B	Y	-72.585	3.5
11	MP1B	My	.018	3.5
12	MP1B	Mz	-.031	3.5
13	MP1C	Y	-72.585	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
14	MP1C	My	.018	2.25
15	MP1C	Mz	.031	2.25
16	MP1C	Y	-72.585	3.5
17	MP1C	My	.018	3.5
18	MP1C	Mz	.031	3.5
19	MP5A	Y	-135.915	1
20	MP5A	My	-.068	1
21	MP5A	Mz	0	1
22	MP5A	Y	-135.915	4.75
23	MP5A	My	-.068	4.75
24	MP5A	Mz	0	4.75
25	MP5B	Y	-135.915	1
26	MP5B	My	.034	1
27	MP5B	Mz	-.059	1
28	MP5B	Y	-135.915	4.75
29	MP5B	My	.034	4.75
30	MP5B	Mz	-.059	4.75
31	MP5C	Y	-135.915	1
32	MP5C	My	.034	1
33	MP5C	Mz	.059	1
34	MP5C	Y	-135.915	4.75
35	MP5C	My	.034	4.75
36	MP5C	Mz	.059	4.75
37	M101	Y	-153.442	1.5
38	M101	My	0	1.5
39	M101	Mz	0	1.5
40	M96	Y	-4.729	0
41	M96	My	0	0
42	M96	Mz	0	0
43	MP3A	Y	-122.581	2
44	MP3A	My	-.061	2
45	MP3A	Mz	.072	2
46	MP3A	Y	-122.581	5.75
47	MP3A	My	-.061	5.75
48	MP3A	Mz	.072	5.75
49	MP3B	Y	-122.581	2
50	MP3B	My	-.031	2
51	MP3B	Mz	-.089	2
52	MP3B	Y	-122.581	5.75
53	MP3B	My	-.031	5.75
54	MP3B	Mz	-.089	5.75
55	MP3C	Y	-122.581	2
56	MP3C	My	.093	2
57	MP3C	Mz	.017	2
58	MP3C	Y	-122.581	5.75
59	MP3C	My	.093	5.75
60	MP3C	Mz	.017	5.75
61	MP3A	Y	-122.581	2
62	MP3A	My	-.061	2
63	MP3A	Mz	-.072	2
64	MP3A	Y	-122.581	5.75
65	MP3A	My	-.061	5.75
66	MP3A	Mz	-.072	5.75
67	MP3B	Y	-122.581	2
68	MP3B	My	.093	2
69	MP3B	Mz	-.017	2
70	MP3B	Y	-122.581	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP3B	My	.093	5.75
72	MP3B	Mz	-.017	5.75
73	MP3C	Y	-122.581	2
74	MP3C	My	-.031	2
75	MP3C	Mz	.089	2
76	MP3C	Y	-122.581	5.75
77	MP3C	My	-.031	5.75
78	MP3C	Mz	.089	5.75
79	MP4A	Y	-83.985	3
80	MP4A	My	.042	3
81	MP4A	Mz	0	3
82	MP4B	Y	-83.985	3
83	MP4B	My	-.021	3
84	MP4B	Mz	.036	3
85	MP4C	Y	-83.985	3
86	MP4C	My	-.021	3
87	MP4C	Mz	-.036	3
88	MP2A	Y	-92.775	3
89	MP2A	My	.046	3
90	MP2A	Mz	0	3
91	MP2B	Y	-92.775	3
92	MP2B	My	-.023	3
93	MP2B	Mz	.04	3
94	MP2C	Y	-92.775	3
95	MP2C	My	-.023	3
96	MP2C	Mz	-.04	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	2.25
2	MP1A	Z	-131.94	2.25
3	MP1A	Mx	0	2.25
4	MP1A	X	0	3.5
5	MP1A	Z	-131.94	3.5
6	MP1A	Mx	0	3.5
7	MP1B	X	0	2.25
8	MP1B	Z	-71.726	2.25
9	MP1B	Mx	.031	2.25
10	MP1B	X	0	3.5
11	MP1B	Z	-71.726	3.5
12	MP1B	Mx	.031	3.5
13	MP1C	X	0	2.25
14	MP1C	Z	-71.726	2.25
15	MP1C	Mx	-.031	2.25
16	MP1C	X	0	3.5
17	MP1C	Z	-71.726	3.5
18	MP1C	Mx	-.031	3.5
19	MP5A	X	0	1
20	MP5A	Z	-259.108	1
21	MP5A	Mx	0	1
22	MP5A	X	0	4.75
23	MP5A	Z	-259.108	4.75
24	MP5A	Mx	0	4.75
25	MP5B	X	0	1
26	MP5B	Z	-194.054	1
27	MP5B	Mx	.084	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP5B	X	0	4.75
29	MP5B	Z	-194.054	4.75
30	MP5B	Mx	.084	4.75
31	MP5C	X	0	1
32	MP5C	Z	-194.054	1
33	MP5C	Mx	-.084	1
34	MP5C	X	0	4.75
35	MP5C	Z	-194.054	4.75
36	MP5C	Mx	-.084	4.75
37	M101	X	0	1.5
38	M101	Z	-194.504	1.5
39	M101	Mx	0	1.5
40	M96	X	0	0
41	M96	Z	-5.746	0
42	M96	Mx	0	0
43	MP3A	X	0	2
44	MP3A	Z	-226.825	2
45	MP3A	Mx	-.132	2
46	MP3A	X	0	5.75
47	MP3A	Z	-226.825	5.75
48	MP3A	Mx	-.132	5.75
49	MP3B	X	0	2
50	MP3B	Z	-169.171	2
51	MP3B	Mx	.123	2
52	MP3B	X	0	5.75
53	MP3B	Z	-169.171	5.75
54	MP3B	Mx	.123	5.75
55	MP3C	X	0	2
56	MP3C	Z	-169.171	2
57	MP3C	Mx	-.024	2
58	MP3C	X	0	5.75
59	MP3C	Z	-169.171	5.75
60	MP3C	Mx	-.024	5.75
61	MP3A	X	0	2
62	MP3A	Z	-226.825	2
63	MP3A	Mx	.132	2
64	MP3A	X	0	5.75
65	MP3A	Z	-226.825	5.75
66	MP3A	Mx	.132	5.75
67	MP3B	X	0	2
68	MP3B	Z	-169.171	2
69	MP3B	Mx	.024	2
70	MP3B	X	0	5.75
71	MP3B	Z	-169.171	5.75
72	MP3B	Mx	.024	5.75
73	MP3C	X	0	2
74	MP3C	Z	-169.171	2
75	MP3C	Mx	-.123	2
76	MP3C	X	0	5.75
77	MP3C	Z	-169.171	5.75
78	MP3C	Mx	-.123	5.75
79	MP4A	X	0	3
80	MP4A	Z	-104.991	3
81	MP4A	Mx	0	3
82	MP4B	X	0	3
83	MP4B	Z	-68.883	3
84	MP4B	Mx	-.03	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
85	MP4C	X	0	3
86	MP4C	Z	-68.883	3
87	MP4C	Mx	.03	3
88	MP2A	X	0	3
89	MP2A	Z	-104.991	3
90	MP2A	Mx	0	3
91	MP2B	X	0	3
92	MP2B	Z	-78.883	3
93	MP2B	Mx	-.034	3
94	MP2C	X	0	3
95	MP2C	Z	-78.883	3
96	MP2C	Mx	.034	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	55.934	2.25
2	MP1A	Z	-96.881	2.25
3	MP1A	Mx	-.028	2.25
4	MP1A	X	55.934	3.5
5	MP1A	Z	-96.881	3.5
6	MP1A	Mx	-.028	3.5
7	MP1B	X	25.827	2.25
8	MP1B	Z	-44.734	2.25
9	MP1B	Mx	.026	2.25
10	MP1B	X	25.827	3.5
11	MP1B	Z	-44.734	3.5
12	MP1B	Mx	.026	3.5
13	MP1C	X	55.934	2.25
14	MP1C	Z	-96.881	2.25
15	MP1C	Mx	-.028	2.25
16	MP1C	X	55.934	3.5
17	MP1C	Z	-96.881	3.5
18	MP1C	Mx	-.028	3.5
19	MP5A	X	118.712	1
20	MP5A	Z	-205.615	1
21	MP5A	Mx	-.059	1
22	MP5A	X	118.712	4.75
23	MP5A	Z	-205.615	4.75
24	MP5A	Mx	-.059	4.75
25	MP5B	X	86.184	1
26	MP5B	Z	-149.276	1
27	MP5B	Mx	.086	1
28	MP5B	X	86.184	4.75
29	MP5B	Z	-149.276	4.75
30	MP5B	Mx	.086	4.75
31	MP5C	X	118.712	1
32	MP5C	Z	-205.615	1
33	MP5C	Mx	-.059	1
34	MP5C	X	118.712	4.75
35	MP5C	Z	-205.615	4.75
36	MP5C	Mx	-.059	4.75
37	M101	X	79.295	1.5
38	M101	Z	-137.343	1.5
39	M101	Mx	0	1.5
40	M96	X	3.574	0
41	M96	Z	-6.19	0

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
42	M96	Mx	0	0
43	MP3A	X	103.803	2
44	MP3A	Z	-179.793	2
45	MP3A	Mx	-.157	2
46	MP3A	X	103.803	5.75
47	MP3A	Z	-179.793	5.75
48	MP3A	Mx	-.157	5.75
49	MP3B	X	74.977	2
50	MP3B	Z	-129.863	2
51	MP3B	Mx	.075	2
52	MP3B	X	74.977	5.75
53	MP3B	Z	-129.863	5.75
54	MP3B	Mx	.075	5.75
55	MP3C	X	103.803	2
56	MP3C	Z	-179.793	2
57	MP3C	Mx	.053	2
58	MP3C	X	103.803	5.75
59	MP3C	Z	-179.793	5.75
60	MP3C	Mx	.053	5.75
61	MP3A	X	103.803	2
62	MP3A	Z	-179.793	2
63	MP3A	Mx	.053	2
64	MP3A	X	103.803	5.75
65	MP3A	Z	-179.793	5.75
66	MP3A	Mx	.053	5.75
67	MP3B	X	74.977	2
68	MP3B	Z	-129.863	2
69	MP3B	Mx	.075	2
70	MP3B	X	74.977	5.75
71	MP3B	Z	-129.863	5.75
72	MP3B	Mx	.075	5.75
73	MP3C	X	103.803	2
74	MP3C	Z	-179.793	2
75	MP3C	Mx	-.157	2
76	MP3C	X	103.803	5.75
77	MP3C	Z	-179.793	5.75
78	MP3C	Mx	-.157	5.75
79	MP4A	X	46.477	3
80	MP4A	Z	-80.501	3
81	MP4A	Mx	.023	3
82	MP4B	X	28.423	3
83	MP4B	Z	-49.231	3
84	MP4B	Mx	-.028	3
85	MP4C	X	46.477	3
86	MP4C	Z	-80.501	3
87	MP4C	Mx	.023	3
88	MP2A	X	48.144	3
89	MP2A	Z	-83.388	3
90	MP2A	Mx	.024	3
91	MP2B	X	35.09	3
92	MP2B	Z	-60.778	3
93	MP2B	Mx	-.035	3
94	MP2C	X	48.144	3
95	MP2C	Z	-83.388	3
96	MP2C	Mx	.024	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	62.116	2.25
2	MP1A	Z	-35.863	2.25
3	MP1A	Mx	-.031	2.25
4	MP1A	X	62.116	3.5
5	MP1A	Z	-35.863	3.5
6	MP1A	Mx	-.031	3.5
7	MP1B	X	62.116	2.25
8	MP1B	Z	-35.863	2.25
9	MP1B	Mx	.031	2.25
10	MP1B	X	62.116	3.5
11	MP1B	Z	-35.863	3.5
12	MP1B	Mx	.031	3.5
13	MP1C	X	114.264	2.25
14	MP1C	Z	-65.97	2.25
15	MP1C	Mx	0	2.25
16	MP1C	X	114.264	3.5
17	MP1C	Z	-65.97	3.5
18	MP1C	Mx	0	3.5
19	MP5A	X	168.055	1
20	MP5A	Z	-97.027	1
21	MP5A	Mx	-.084	1
22	MP5A	X	168.055	4.75
23	MP5A	Z	-97.027	4.75
24	MP5A	Mx	-.084	4.75
25	MP5B	X	168.055	1
26	MP5B	Z	-97.027	1
27	MP5B	Mx	.084	1
28	MP5B	X	168.055	4.75
29	MP5B	Z	-97.027	4.75
30	MP5B	Mx	.084	4.75
31	MP5C	X	224.394	1
32	MP5C	Z	-129.554	1
33	MP5C	Mx	0	1
34	MP5C	X	224.394	4.75
35	MP5C	Z	-129.554	4.75
36	MP5C	Mx	0	4.75
37	M101	X	121.791	1.5
38	M101	Z	-70.316	1.5
39	M101	Mx	0	1.5
40	M96	X	6.797	0
41	M96	Z	-3.924	0
42	M96	Mx	0	0
43	MP3A	X	146.507	2
44	MP3A	Z	-84.586	2
45	MP3A	Mx	-.123	2
46	MP3A	X	146.507	5.75
47	MP3A	Z	-84.586	5.75
48	MP3A	Mx	-.123	5.75
49	MP3B	X	146.507	2
50	MP3B	Z	-84.586	2
51	MP3B	Mx	.024	2
52	MP3B	X	146.507	5.75
53	MP3B	Z	-84.586	5.75
54	MP3B	Mx	.024	5.75
55	MP3C	X	196.436	2
56	MP3C	Z	-113.412	2
57	MP3C	Mx	.132	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	196.436	5.75
59	MP3C	Z	-113.412	5.75
60	MP3C	Mx	.132	5.75
61	MP3A	X	146.507	2
62	MP3A	Z	-84.586	2
63	MP3A	Mx	-.024	2
64	MP3A	X	146.507	5.75
65	MP3A	Z	-84.586	5.75
66	MP3A	Mx	-.024	5.75
67	MP3B	X	146.507	2
68	MP3B	Z	-84.586	2
69	MP3B	Mx	.123	2
70	MP3B	X	146.507	5.75
71	MP3B	Z	-84.586	5.75
72	MP3B	Mx	.123	5.75
73	MP3C	X	196.436	2
74	MP3C	Z	-113.412	2
75	MP3C	Mx	-.132	2
76	MP3C	X	196.436	5.75
77	MP3C	Z	-113.412	5.75
78	MP3C	Mx	-.132	5.75
79	MP4A	X	59.654	3
80	MP4A	Z	-34.441	3
81	MP4A	Mx	.03	3
82	MP4B	X	59.654	3
83	MP4B	Z	-34.441	3
84	MP4B	Mx	-.03	3
85	MP4C	X	90.925	3
86	MP4C	Z	-52.495	3
87	MP4C	Mx	0	3
88	MP2A	X	68.315	3
89	MP2A	Z	-39.442	3
90	MP2A	Mx	.034	3
91	MP2B	X	68.315	3
92	MP2B	Z	-39.442	3
93	MP2B	Mx	-.034	3
94	MP2C	X	90.925	3
95	MP2C	Z	-52.495	3
96	MP2C	Mx	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	51.654	2.25
2	MP1A	Z	0	2.25
3	MP1A	Mx	-.026	2.25
4	MP1A	X	51.654	3.5
5	MP1A	Z	0	3.5
6	MP1A	Mx	-.026	3.5
7	MP1B	X	111.869	2.25
8	MP1B	Z	0	2.25
9	MP1B	Mx	.028	2.25
10	MP1B	X	111.869	3.5
11	MP1B	Z	0	3.5
12	MP1B	Mx	.028	3.5
13	MP1C	X	111.869	2.25
14	MP1C	Z	0	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP1C	Mx	.028	2.25
16	MP1C	X	111.869	3.5
17	MP1C	Z	0	3.5
18	MP1C	Mx	.028	3.5
19	MP5A	X	172.369	1
20	MP5A	Z	0	1
21	MP5A	Mx	-.086	1
22	MP5A	X	172.369	4.75
23	MP5A	Z	0	4.75
24	MP5A	Mx	-.086	4.75
25	MP5B	X	237.423	1
26	MP5B	Z	0	1
27	MP5B	Mx	.059	1
28	MP5B	X	237.423	4.75
29	MP5B	Z	0	4.75
30	MP5B	Mx	.059	4.75
31	MP5C	X	237.423	1
32	MP5C	Z	0	1
33	MP5C	Mx	.059	1
34	MP5C	X	237.423	4.75
35	MP5C	Z	0	4.75
36	MP5C	Mx	.059	4.75
37	M101	X	158.59	1.5
38	M101	Z	0	1.5
39	M101	Mx	0	1.5
40	M96	X	7.147	0
41	M96	Z	0	0
42	M96	Mx	0	0
43	MP3A	X	149.953	2
44	MP3A	Z	0	2
45	MP3A	Mx	-.075	2
46	MP3A	X	149.953	5.75
47	MP3A	Z	0	5.75
48	MP3A	Mx	-.075	5.75
49	MP3B	X	207.607	2
50	MP3B	Z	0	2
51	MP3B	Mx	-.053	2
52	MP3B	X	207.607	5.75
53	MP3B	Z	0	5.75
54	MP3B	Mx	-.053	5.75
55	MP3C	X	207.607	2
56	MP3C	Z	0	2
57	MP3C	Mx	.157	2
58	MP3C	X	207.607	5.75
59	MP3C	Z	0	5.75
60	MP3C	Mx	.157	5.75
61	MP3A	X	149.953	2
62	MP3A	Z	0	2
63	MP3A	Mx	-.075	2
64	MP3A	X	149.953	5.75
65	MP3A	Z	0	5.75
66	MP3A	Mx	-.075	5.75
67	MP3B	X	207.607	2
68	MP3B	Z	0	2
69	MP3B	Mx	.157	2
70	MP3B	X	207.607	5.75
71	MP3B	Z	0	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP3B	Mx	.157	5.75
73	MP3C	X	207.607	2
74	MP3C	Z	0	2
75	MP3C	Mx	-.053	2
76	MP3C	X	207.607	5.75
77	MP3C	Z	0	5.75
78	MP3C	Mx	-.053	5.75
79	MP4A	X	56.847	3
80	MP4A	Z	0	3
81	MP4A	Mx	.028	3
82	MP4B	X	92.955	3
83	MP4B	Z	0	3
84	MP4B	Mx	-.023	3
85	MP4C	X	92.955	3
86	MP4C	Z	0	3
87	MP4C	Mx	-.023	3
88	MP2A	X	70.181	3
89	MP2A	Z	0	3
90	MP2A	Mx	.035	3
91	MP2B	X	96.288	3
92	MP2B	Z	0	3
93	MP2B	Mx	-.024	3
94	MP2C	X	96.288	3
95	MP2C	Z	0	3
96	MP2C	Mx	-.024	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	62.116	2.25
2	MP1A	Z	35.863	2.25
3	MP1A	Mx	-.031	2.25
4	MP1A	X	62.116	3.5
5	MP1A	Z	35.863	3.5
6	MP1A	Mx	-.031	3.5
7	MP1B	X	114.264	2.25
8	MP1B	Z	65.97	2.25
9	MP1B	Mx	0	2.25
10	MP1B	X	114.264	3.5
11	MP1B	Z	65.97	3.5
12	MP1B	Mx	0	3.5
13	MP1C	X	62.116	2.25
14	MP1C	Z	35.863	2.25
15	MP1C	Mx	.031	2.25
16	MP1C	X	62.116	3.5
17	MP1C	Z	35.863	3.5
18	MP1C	Mx	.031	3.5
19	MP5A	X	168.055	1
20	MP5A	Z	97.027	1
21	MP5A	Mx	-.084	1
22	MP5A	X	168.055	4.75
23	MP5A	Z	97.027	4.75
24	MP5A	Mx	-.084	4.75
25	MP5B	X	224.394	1
26	MP5B	Z	129.554	1
27	MP5B	Mx	0	1
28	MP5B	X	224.394	4.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP5B	Z	129.554	4.75
30	MP5B	Mx	0	4.75
31	MP5C	X	168.055	1
32	MP5C	Z	97.027	1
33	MP5C	Mx	.084	1
34	MP5C	X	168.055	4.75
35	MP5C	Z	97.027	4.75
36	MP5C	Mx	.084	4.75
37	M101	X	168.446	1.5
38	M101	Z	97.252	1.5
39	M101	Mx	0	1.5
40	M96	X	4.976	0
41	M96	Z	2.873	0
42	M96	Mx	0	0
43	MP3A	X	146.507	2
44	MP3A	Z	84.586	2
45	MP3A	Mx	-.024	2
46	MP3A	X	146.507	5.75
47	MP3A	Z	84.586	5.75
48	MP3A	Mx	-.024	5.75
49	MP3B	X	196.436	2
50	MP3B	Z	113.412	2
51	MP3B	Mx	-.132	2
52	MP3B	X	196.436	5.75
53	MP3B	Z	113.412	5.75
54	MP3B	Mx	-.132	5.75
55	MP3C	X	146.507	2
56	MP3C	Z	84.586	2
57	MP3C	Mx	.123	2
58	MP3C	X	146.507	5.75
59	MP3C	Z	84.586	5.75
60	MP3C	Mx	.123	5.75
61	MP3A	X	146.507	2
62	MP3A	Z	84.586	2
63	MP3A	Mx	-.123	2
64	MP3A	X	146.507	5.75
65	MP3A	Z	84.586	5.75
66	MP3A	Mx	-.123	5.75
67	MP3B	X	196.436	2
68	MP3B	Z	113.412	2
69	MP3B	Mx	.132	2
70	MP3B	X	196.436	5.75
71	MP3B	Z	113.412	5.75
72	MP3B	Mx	.132	5.75
73	MP3C	X	146.507	2
74	MP3C	Z	84.586	2
75	MP3C	Mx	.024	2
76	MP3C	X	146.507	5.75
77	MP3C	Z	84.586	5.75
78	MP3C	Mx	.024	5.75
79	MP4A	X	59.654	3
80	MP4A	Z	34.441	3
81	MP4A	Mx	.03	3
82	MP4B	X	90.925	3
83	MP4B	Z	52.495	3
84	MP4B	Mx	0	3
85	MP4C	X	59.654	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP4C	Z	34.441	3
87	MP4C	Mx	-.03	3
88	MP2A	X	68.315	3
89	MP2A	Z	39.442	3
90	MP2A	Mx	.034	3
91	MP2B	X	90.925	3
92	MP2B	Z	52.495	3
93	MP2B	Mx	0	3
94	MP2C	X	68.315	3
95	MP2C	Z	39.442	3
96	MP2C	Mx	-.034	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	55.934	2.25
2	MP1A	Z	96.881	2.25
3	MP1A	Mx	-.028	2.25
4	MP1A	X	55.934	3.5
5	MP1A	Z	96.881	3.5
6	MP1A	Mx	-.028	3.5
7	MP1B	X	55.934	2.25
8	MP1B	Z	96.881	2.25
9	MP1B	Mx	-.028	2.25
10	MP1B	X	55.934	3.5
11	MP1B	Z	96.881	3.5
12	MP1B	Mx	-.028	3.5
13	MP1C	X	25.827	2.25
14	MP1C	Z	44.734	2.25
15	MP1C	Mx	.026	2.25
16	MP1C	X	25.827	3.5
17	MP1C	Z	44.734	3.5
18	MP1C	Mx	.026	3.5
19	MP5A	X	118.712	1
20	MP5A	Z	205.615	1
21	MP5A	Mx	-.059	1
22	MP5A	X	118.712	4.75
23	MP5A	Z	205.615	4.75
24	MP5A	Mx	-.059	4.75
25	MP5B	X	118.712	1
26	MP5B	Z	205.615	1
27	MP5B	Mx	-.059	1
28	MP5B	X	118.712	4.75
29	MP5B	Z	205.615	4.75
30	MP5B	Mx	-.059	4.75
31	MP5C	X	86.184	1
32	MP5C	Z	149.276	1
33	MP5C	Mx	.086	1
34	MP5C	X	86.184	4.75
35	MP5C	Z	149.276	4.75
36	MP5C	Mx	.086	4.75
37	M101	X	106.231	1.5
38	M101	Z	183.997	1.5
39	M101	Mx	0	1.5
40	M96	X	2.523	0
41	M96	Z	4.369	0
42	M96	Mx	0	0

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP3A	X	103.803	2
44	MP3A	Z	179.793	2
45	MP3A	Mx	.053	2
46	MP3A	X	103.803	5.75
47	MP3A	Z	179.793	5.75
48	MP3A	Mx	.053	5.75
49	MP3B	X	103.803	2
50	MP3B	Z	179.793	2
51	MP3B	Mx	-.157	2
52	MP3B	X	103.803	5.75
53	MP3B	Z	179.793	5.75
54	MP3B	Mx	-.157	5.75
55	MP3C	X	74.977	2
56	MP3C	Z	129.863	2
57	MP3C	Mx	.075	2
58	MP3C	X	74.977	5.75
59	MP3C	Z	129.863	5.75
60	MP3C	Mx	.075	5.75
61	MP3A	X	103.803	2
62	MP3A	Z	179.793	2
63	MP3A	Mx	-.157	2
64	MP3A	X	103.803	5.75
65	MP3A	Z	179.793	5.75
66	MP3A	Mx	-.157	5.75
67	MP3B	X	103.803	2
68	MP3B	Z	179.793	2
69	MP3B	Mx	.053	2
70	MP3B	X	103.803	5.75
71	MP3B	Z	179.793	5.75
72	MP3B	Mx	.053	5.75
73	MP3C	X	74.977	2
74	MP3C	Z	129.863	2
75	MP3C	Mx	.075	2
76	MP3C	X	74.977	5.75
77	MP3C	Z	129.863	5.75
78	MP3C	Mx	.075	5.75
79	MP4A	X	46.477	3
80	MP4A	Z	80.501	3
81	MP4A	Mx	.023	3
82	MP4B	X	46.477	3
83	MP4B	Z	80.501	3
84	MP4B	Mx	.023	3
85	MP4C	X	28.423	3
86	MP4C	Z	49.231	3
87	MP4C	Mx	-.028	3
88	MP2A	X	48.144	3
89	MP2A	Z	83.388	3
90	MP2A	Mx	.024	3
91	MP2B	X	48.144	3
92	MP2B	Z	83.388	3
93	MP2B	Mx	.024	3
94	MP2C	X	35.09	3
95	MP2C	Z	60.778	3
96	MP2C	Mx	-.035	3

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	2.25
2	MP1A	Z	131.94	2.25
3	MP1A	Mx	0	2.25
4	MP1A	X	0	3.5
5	MP1A	Z	131.94	3.5
6	MP1A	Mx	0	3.5
7	MP1B	X	0	2.25
8	MP1B	Z	71.726	2.25
9	MP1B	Mx	-.031	2.25
10	MP1B	X	0	3.5
11	MP1B	Z	71.726	3.5
12	MP1B	Mx	-.031	3.5
13	MP1C	X	0	2.25
14	MP1C	Z	71.726	2.25
15	MP1C	Mx	.031	2.25
16	MP1C	X	0	3.5
17	MP1C	Z	71.726	3.5
18	MP1C	Mx	.031	3.5
19	MP5A	X	0	1
20	MP5A	Z	259.108	1
21	MP5A	Mx	0	1
22	MP5A	X	0	4.75
23	MP5A	Z	259.108	4.75
24	MP5A	Mx	0	4.75
25	MP5B	X	0	1
26	MP5B	Z	194.054	1
27	MP5B	Mx	-.084	1
28	MP5B	X	0	4.75
29	MP5B	Z	194.054	4.75
30	MP5B	Mx	-.084	4.75
31	MP5C	X	0	1
32	MP5C	Z	194.054	1
33	MP5C	Mx	.084	1
34	MP5C	X	0	4.75
35	MP5C	Z	194.054	4.75
36	MP5C	Mx	.084	4.75
37	M101	X	0	1.5
38	M101	Z	194.504	1.5
39	M101	Mx	0	1.5
40	M96	X	0	0
41	M96	Z	5.746	0
42	M96	Mx	0	0
43	MP3A	X	0	2
44	MP3A	Z	226.825	2
45	MP3A	Mx	.132	2
46	MP3A	X	0	5.75
47	MP3A	Z	226.825	5.75
48	MP3A	Mx	.132	5.75
49	MP3B	X	0	2
50	MP3B	Z	169.171	2
51	MP3B	Mx	-.123	2
52	MP3B	X	0	5.75
53	MP3B	Z	169.171	5.75
54	MP3B	Mx	-.123	5.75
55	MP3C	X	0	2
56	MP3C	Z	169.171	2
57	MP3C	Mx	.024	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	0	5.75
59	MP3C	Z	169.171	5.75
60	MP3C	Mx	.024	5.75
61	MP3A	X	0	2
62	MP3A	Z	226.825	2
63	MP3A	Mx	-.132	2
64	MP3A	X	0	5.75
65	MP3A	Z	226.825	5.75
66	MP3A	Mx	-.132	5.75
67	MP3B	X	0	2
68	MP3B	Z	169.171	2
69	MP3B	Mx	-.024	2
70	MP3B	X	0	5.75
71	MP3B	Z	169.171	5.75
72	MP3B	Mx	-.024	5.75
73	MP3C	X	0	2
74	MP3C	Z	169.171	2
75	MP3C	Mx	.123	2
76	MP3C	X	0	5.75
77	MP3C	Z	169.171	5.75
78	MP3C	Mx	.123	5.75
79	MP4A	X	0	3
80	MP4A	Z	104.991	3
81	MP4A	Mx	0	3
82	MP4B	X	0	3
83	MP4B	Z	68.883	3
84	MP4B	Mx	.03	3
85	MP4C	X	0	3
86	MP4C	Z	68.883	3
87	MP4C	Mx	-.03	3
88	MP2A	X	0	3
89	MP2A	Z	104.991	3
90	MP2A	Mx	0	3
91	MP2B	X	0	3
92	MP2B	Z	78.883	3
93	MP2B	Mx	.034	3
94	MP2C	X	0	3
95	MP2C	Z	78.883	3
96	MP2C	Mx	-.034	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-55.934	2.25
2	MP1A	Z	96.881	2.25
3	MP1A	Mx	.028	2.25
4	MP1A	X	-55.934	3.5
5	MP1A	Z	96.881	3.5
6	MP1A	Mx	.028	3.5
7	MP1B	X	-25.827	2.25
8	MP1B	Z	44.734	2.25
9	MP1B	Mx	-.026	2.25
10	MP1B	X	-25.827	3.5
11	MP1B	Z	44.734	3.5
12	MP1B	Mx	-.026	3.5
13	MP1C	X	-55.934	2.25
14	MP1C	Z	96.881	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP1C	Mx	.028	2.25
16	MP1C	X	-55.934	3.5
17	MP1C	Z	96.881	3.5
18	MP1C	Mx	.028	3.5
19	MP5A	X	-118.712	1
20	MP5A	Z	205.615	1
21	MP5A	Mx	.059	1
22	MP5A	X	-118.712	4.75
23	MP5A	Z	205.615	4.75
24	MP5A	Mx	.059	4.75
25	MP5B	X	-86.184	1
26	MP5B	Z	149.276	1
27	MP5B	Mx	-.086	1
28	MP5B	X	-86.184	4.75
29	MP5B	Z	149.276	4.75
30	MP5B	Mx	-.086	4.75
31	MP5C	X	-118.712	1
32	MP5C	Z	205.615	1
33	MP5C	Mx	.059	1
34	MP5C	X	-118.712	4.75
35	MP5C	Z	205.615	4.75
36	MP5C	Mx	.059	4.75
37	M101	X	-79.295	1.5
38	M101	Z	137.343	1.5
39	M101	Mx	0	1.5
40	M96	X	-3.574	0
41	M96	Z	6.19	0
42	M96	Mx	0	0
43	MP3A	X	-103.803	2
44	MP3A	Z	179.793	2
45	MP3A	Mx	.157	2
46	MP3A	X	-103.803	5.75
47	MP3A	Z	179.793	5.75
48	MP3A	Mx	.157	5.75
49	MP3B	X	-74.977	2
50	MP3B	Z	129.863	2
51	MP3B	Mx	-.075	2
52	MP3B	X	-74.977	5.75
53	MP3B	Z	129.863	5.75
54	MP3B	Mx	-.075	5.75
55	MP3C	X	-103.803	2
56	MP3C	Z	179.793	2
57	MP3C	Mx	-.053	2
58	MP3C	X	-103.803	5.75
59	MP3C	Z	179.793	5.75
60	MP3C	Mx	-.053	5.75
61	MP3A	X	-103.803	2
62	MP3A	Z	179.793	2
63	MP3A	Mx	-.053	2
64	MP3A	X	-103.803	5.75
65	MP3A	Z	179.793	5.75
66	MP3A	Mx	-.053	5.75
67	MP3B	X	-74.977	2
68	MP3B	Z	129.863	2
69	MP3B	Mx	-.075	2
70	MP3B	X	-74.977	5.75
71	MP3B	Z	129.863	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP3B	Mx	-.075	5.75
73	MP3C	X	-103.803	2
74	MP3C	Z	179.793	2
75	MP3C	Mx	.157	2
76	MP3C	X	-103.803	5.75
77	MP3C	Z	179.793	5.75
78	MP3C	Mx	.157	5.75
79	MP4A	X	-46.477	3
80	MP4A	Z	80.501	3
81	MP4A	Mx	-.023	3
82	MP4B	X	-28.423	3
83	MP4B	Z	49.231	3
84	MP4B	Mx	.028	3
85	MP4C	X	-46.477	3
86	MP4C	Z	80.501	3
87	MP4C	Mx	-.023	3
88	MP2A	X	-48.144	3
89	MP2A	Z	83.388	3
90	MP2A	Mx	-.024	3
91	MP2B	X	-35.09	3
92	MP2B	Z	60.778	3
93	MP2B	Mx	.035	3
94	MP2C	X	-48.144	3
95	MP2C	Z	83.388	3
96	MP2C	Mx	-.024	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-62.116	2.25
2	MP1A	Z	35.863	2.25
3	MP1A	Mx	.031	2.25
4	MP1A	X	-62.116	3.5
5	MP1A	Z	35.863	3.5
6	MP1A	Mx	.031	3.5
7	MP1B	X	-62.116	2.25
8	MP1B	Z	35.863	2.25
9	MP1B	Mx	-.031	2.25
10	MP1B	X	-62.116	3.5
11	MP1B	Z	35.863	3.5
12	MP1B	Mx	-.031	3.5
13	MP1C	X	-114.264	2.25
14	MP1C	Z	65.97	2.25
15	MP1C	Mx	0	2.25
16	MP1C	X	-114.264	3.5
17	MP1C	Z	65.97	3.5
18	MP1C	Mx	0	3.5
19	MP5A	X	-168.055	1
20	MP5A	Z	97.027	1
21	MP5A	Mx	.084	1
22	MP5A	X	-168.055	4.75
23	MP5A	Z	97.027	4.75
24	MP5A	Mx	.084	4.75
25	MP5B	X	-168.055	1
26	MP5B	Z	97.027	1
27	MP5B	Mx	-.084	1
28	MP5B	X	-168.055	4.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP5B	Z	97.027	4.75
30	MP5B	Mx	-.084	4.75
31	MP5C	X	-224.394	1
32	MP5C	Z	129.554	1
33	MP5C	Mx	0	1
34	MP5C	X	-224.394	4.75
35	MP5C	Z	129.554	4.75
36	MP5C	Mx	0	4.75
37	M101	X	-121.791	1.5
38	M101	Z	70.316	1.5
39	M101	Mx	0	1.5
40	M96	X	-6.797	0
41	M96	Z	3.924	0
42	M96	Mx	0	0
43	MP3A	X	-146.507	2
44	MP3A	Z	84.586	2
45	MP3A	Mx	.123	2
46	MP3A	X	-146.507	5.75
47	MP3A	Z	84.586	5.75
48	MP3A	Mx	.123	5.75
49	MP3B	X	-146.507	2
50	MP3B	Z	84.586	2
51	MP3B	Mx	-.024	2
52	MP3B	X	-146.507	5.75
53	MP3B	Z	84.586	5.75
54	MP3B	Mx	-.024	5.75
55	MP3C	X	-196.436	2
56	MP3C	Z	113.412	2
57	MP3C	Mx	-.132	2
58	MP3C	X	-196.436	5.75
59	MP3C	Z	113.412	5.75
60	MP3C	Mx	-.132	5.75
61	MP3A	X	-146.507	2
62	MP3A	Z	84.586	2
63	MP3A	Mx	.024	2
64	MP3A	X	-146.507	5.75
65	MP3A	Z	84.586	5.75
66	MP3A	Mx	.024	5.75
67	MP3B	X	-146.507	2
68	MP3B	Z	84.586	2
69	MP3B	Mx	-.123	2
70	MP3B	X	-146.507	5.75
71	MP3B	Z	84.586	5.75
72	MP3B	Mx	-.123	5.75
73	MP3C	X	-196.436	2
74	MP3C	Z	113.412	2
75	MP3C	Mx	.132	2
76	MP3C	X	-196.436	5.75
77	MP3C	Z	113.412	5.75
78	MP3C	Mx	.132	5.75
79	MP4A	X	-59.654	3
80	MP4A	Z	34.441	3
81	MP4A	Mx	-.03	3
82	MP4B	X	-59.654	3
83	MP4B	Z	34.441	3
84	MP4B	Mx	.03	3
85	MP4C	X	-90.925	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP4C	Z	52.495	3
87	MP4C	Mx	0	3
88	MP2A	X	-68.315	3
89	MP2A	Z	39.442	3
90	MP2A	Mx	-.034	3
91	MP2B	X	-68.315	3
92	MP2B	Z	39.442	3
93	MP2B	Mx	.034	3
94	MP2C	X	-90.925	3
95	MP2C	Z	52.495	3
96	MP2C	Mx	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-51.654	2.25
2	MP1A	Z	0	2.25
3	MP1A	Mx	.026	2.25
4	MP1A	X	-51.654	3.5
5	MP1A	Z	0	3.5
6	MP1A	Mx	.026	3.5
7	MP1B	X	-111.869	2.25
8	MP1B	Z	0	2.25
9	MP1B	Mx	-.028	2.25
10	MP1B	X	-111.869	3.5
11	MP1B	Z	0	3.5
12	MP1B	Mx	-.028	3.5
13	MP1C	X	-111.869	2.25
14	MP1C	Z	0	2.25
15	MP1C	Mx	-.028	2.25
16	MP1C	X	-111.869	3.5
17	MP1C	Z	0	3.5
18	MP1C	Mx	-.028	3.5
19	MP5A	X	-172.369	1
20	MP5A	Z	0	1
21	MP5A	Mx	.086	1
22	MP5A	X	-172.369	4.75
23	MP5A	Z	0	4.75
24	MP5A	Mx	.086	4.75
25	MP5B	X	-237.423	1
26	MP5B	Z	0	1
27	MP5B	Mx	-.059	1
28	MP5B	X	-237.423	4.75
29	MP5B	Z	0	4.75
30	MP5B	Mx	-.059	4.75
31	MP5C	X	-237.423	1
32	MP5C	Z	0	1
33	MP5C	Mx	-.059	1
34	MP5C	X	-237.423	4.75
35	MP5C	Z	0	4.75
36	MP5C	Mx	-.059	4.75
37	M101	X	-158.59	1.5
38	M101	Z	0	1.5
39	M101	Mx	0	1.5
40	M96	X	-7.147	0
41	M96	Z	0	0
42	M96	Mx	0	0

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP3A	X	-149.953	2
44	MP3A	Z	0	2
45	MP3A	Mx	.075	2
46	MP3A	X	-149.953	5.75
47	MP3A	Z	0	5.75
48	MP3A	Mx	.075	5.75
49	MP3B	X	-207.607	2
50	MP3B	Z	0	2
51	MP3B	Mx	.053	2
52	MP3B	X	-207.607	5.75
53	MP3B	Z	0	5.75
54	MP3B	Mx	.053	5.75
55	MP3C	X	-207.607	2
56	MP3C	Z	0	2
57	MP3C	Mx	-.157	2
58	MP3C	X	-207.607	5.75
59	MP3C	Z	0	5.75
60	MP3C	Mx	-.157	5.75
61	MP3A	X	-149.953	2
62	MP3A	Z	0	2
63	MP3A	Mx	.075	2
64	MP3A	X	-149.953	5.75
65	MP3A	Z	0	5.75
66	MP3A	Mx	.075	5.75
67	MP3B	X	-207.607	2
68	MP3B	Z	0	2
69	MP3B	Mx	-.157	2
70	MP3B	X	-207.607	5.75
71	MP3B	Z	0	5.75
72	MP3B	Mx	-.157	5.75
73	MP3C	X	-207.607	2
74	MP3C	Z	0	2
75	MP3C	Mx	.053	2
76	MP3C	X	-207.607	5.75
77	MP3C	Z	0	5.75
78	MP3C	Mx	.053	5.75
79	MP4A	X	-56.847	3
80	MP4A	Z	0	3
81	MP4A	Mx	-.028	3
82	MP4B	X	-92.955	3
83	MP4B	Z	0	3
84	MP4B	Mx	.023	3
85	MP4C	X	-92.955	3
86	MP4C	Z	0	3
87	MP4C	Mx	.023	3
88	MP2A	X	-70.181	3
89	MP2A	Z	0	3
90	MP2A	Mx	-.035	3
91	MP2B	X	-96.288	3
92	MP2B	Z	0	3
93	MP2B	Mx	.024	3
94	MP2C	X	-96.288	3
95	MP2C	Z	0	3
96	MP2C	Mx	.024	3

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-62.116	2.25
2	MP1A	Z	-35.863	2.25
3	MP1A	Mx	.031	2.25
4	MP1A	X	-62.116	3.5
5	MP1A	Z	-35.863	3.5
6	MP1A	Mx	.031	3.5
7	MP1B	X	-114.264	2.25
8	MP1B	Z	-65.97	2.25
9	MP1B	Mx	0	2.25
10	MP1B	X	-114.264	3.5
11	MP1B	Z	-65.97	3.5
12	MP1B	Mx	0	3.5
13	MP1C	X	-62.116	2.25
14	MP1C	Z	-35.863	2.25
15	MP1C	Mx	-.031	2.25
16	MP1C	X	-62.116	3.5
17	MP1C	Z	-35.863	3.5
18	MP1C	Mx	-.031	3.5
19	MP5A	X	-168.055	1
20	MP5A	Z	-97.027	1
21	MP5A	Mx	.084	1
22	MP5A	X	-168.055	4.75
23	MP5A	Z	-97.027	4.75
24	MP5A	Mx	.084	4.75
25	MP5B	X	-224.394	1
26	MP5B	Z	-129.554	1
27	MP5B	Mx	0	1
28	MP5B	X	-224.394	4.75
29	MP5B	Z	-129.554	4.75
30	MP5B	Mx	0	4.75
31	MP5C	X	-168.055	1
32	MP5C	Z	-97.027	1
33	MP5C	Mx	-.084	1
34	MP5C	X	-168.055	4.75
35	MP5C	Z	-97.027	4.75
36	MP5C	Mx	-.084	4.75
37	M101	X	-168.446	1.5
38	M101	Z	-97.252	1.5
39	M101	Mx	0	1.5
40	M96	X	-4.976	0
41	M96	Z	-2.873	0
42	M96	Mx	0	0
43	MP3A	X	-146.507	2
44	MP3A	Z	-84.586	2
45	MP3A	Mx	.024	2
46	MP3A	X	-146.507	5.75
47	MP3A	Z	-84.586	5.75
48	MP3A	Mx	.024	5.75
49	MP3B	X	-196.436	2
50	MP3B	Z	-113.412	2
51	MP3B	Mx	.132	2
52	MP3B	X	-196.436	5.75
53	MP3B	Z	-113.412	5.75
54	MP3B	Mx	.132	5.75
55	MP3C	X	-146.507	2
56	MP3C	Z	-84.586	2
57	MP3C	Mx	-.123	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	-146.507	5.75
59	MP3C	Z	-84.586	5.75
60	MP3C	Mx	-.123	5.75
61	MP3A	X	-146.507	2
62	MP3A	Z	-84.586	2
63	MP3A	Mx	.123	2
64	MP3A	X	-146.507	5.75
65	MP3A	Z	-84.586	5.75
66	MP3A	Mx	.123	5.75
67	MP3B	X	-196.436	2
68	MP3B	Z	-113.412	2
69	MP3B	Mx	-.132	2
70	MP3B	X	-196.436	5.75
71	MP3B	Z	-113.412	5.75
72	MP3B	Mx	-.132	5.75
73	MP3C	X	-146.507	2
74	MP3C	Z	-84.586	2
75	MP3C	Mx	-.024	2
76	MP3C	X	-146.507	5.75
77	MP3C	Z	-84.586	5.75
78	MP3C	Mx	-.024	5.75
79	MP4A	X	-59.654	3
80	MP4A	Z	-34.441	3
81	MP4A	Mx	-.03	3
82	MP4B	X	-90.925	3
83	MP4B	Z	-52.495	3
84	MP4B	Mx	0	3
85	MP4C	X	-59.654	3
86	MP4C	Z	-34.441	3
87	MP4C	Mx	.03	3
88	MP2A	X	-68.315	3
89	MP2A	Z	-39.442	3
90	MP2A	Mx	-.034	3
91	MP2B	X	-90.925	3
92	MP2B	Z	-52.495	3
93	MP2B	Mx	0	3
94	MP2C	X	-68.315	3
95	MP2C	Z	-39.442	3
96	MP2C	Mx	.034	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-55.934	2.25
2	MP1A	Z	-96.881	2.25
3	MP1A	Mx	.028	2.25
4	MP1A	X	-55.934	3.5
5	MP1A	Z	-96.881	3.5
6	MP1A	Mx	.028	3.5
7	MP1B	X	-55.934	2.25
8	MP1B	Z	-96.881	2.25
9	MP1B	Mx	.028	2.25
10	MP1B	X	-55.934	3.5
11	MP1B	Z	-96.881	3.5
12	MP1B	Mx	.028	3.5
13	MP1C	X	-25.827	2.25
14	MP1C	Z	-44.734	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP1C	Mx	-.026	2.25
16	MP1C	X	-25.827	3.5
17	MP1C	Z	-44.734	3.5
18	MP1C	Mx	-.026	3.5
19	MP5A	X	-118.712	1
20	MP5A	Z	-205.615	1
21	MP5A	Mx	.059	1
22	MP5A	X	-118.712	4.75
23	MP5A	Z	-205.615	4.75
24	MP5A	Mx	.059	4.75
25	MP5B	X	-118.712	1
26	MP5B	Z	-205.615	1
27	MP5B	Mx	.059	1
28	MP5B	X	-118.712	4.75
29	MP5B	Z	-205.615	4.75
30	MP5B	Mx	.059	4.75
31	MP5C	X	-86.184	1
32	MP5C	Z	-149.276	1
33	MP5C	Mx	-.086	1
34	MP5C	X	-86.184	4.75
35	MP5C	Z	-149.276	4.75
36	MP5C	Mx	-.086	4.75
37	M101	X	-106.231	1.5
38	M101	Z	-183.997	1.5
39	M101	Mx	0	1.5
40	M96	X	-2.523	0
41	M96	Z	-4.369	0
42	M96	Mx	0	0
43	MP3A	X	-103.803	2
44	MP3A	Z	-179.793	2
45	MP3A	Mx	-.053	2
46	MP3A	X	-103.803	5.75
47	MP3A	Z	-179.793	5.75
48	MP3A	Mx	-.053	5.75
49	MP3B	X	-103.803	2
50	MP3B	Z	-179.793	2
51	MP3B	Mx	.157	2
52	MP3B	X	-103.803	5.75
53	MP3B	Z	-179.793	5.75
54	MP3B	Mx	.157	5.75
55	MP3C	X	-74.977	2
56	MP3C	Z	-129.863	2
57	MP3C	Mx	-.075	2
58	MP3C	X	-74.977	5.75
59	MP3C	Z	-129.863	5.75
60	MP3C	Mx	-.075	5.75
61	MP3A	X	-103.803	2
62	MP3A	Z	-179.793	2
63	MP3A	Mx	.157	2
64	MP3A	X	-103.803	5.75
65	MP3A	Z	-179.793	5.75
66	MP3A	Mx	.157	5.75
67	MP3B	X	-103.803	2
68	MP3B	Z	-179.793	2
69	MP3B	Mx	-.053	2
70	MP3B	X	-103.803	5.75
71	MP3B	Z	-179.793	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP3B	Mx	-.053	5.75
73	MP3C	X	-74.977	2
74	MP3C	Z	-129.863	2
75	MP3C	Mx	-.075	2
76	MP3C	X	-74.977	5.75
77	MP3C	Z	-129.863	5.75
78	MP3C	Mx	-.075	5.75
79	MP4A	X	-46.477	3
80	MP4A	Z	-80.501	3
81	MP4A	Mx	-.023	3
82	MP4B	X	-46.477	3
83	MP4B	Z	-80.501	3
84	MP4B	Mx	-.023	3
85	MP4C	X	-28.423	3
86	MP4C	Z	-49.231	3
87	MP4C	Mx	.028	3
88	MP2A	X	-48.144	3
89	MP2A	Z	-83.388	3
90	MP2A	Mx	-.024	3
91	MP2B	X	-48.144	3
92	MP2B	Z	-83.388	3
93	MP2B	Mx	-.024	3
94	MP2C	X	-35.09	3
95	MP2C	Z	-60.778	3
96	MP2C	Mx	.035	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	2.25
2	MP1A	Z	-31.115	2.25
3	MP1A	Mx	0	2.25
4	MP1A	X	0	3.5
5	MP1A	Z	-31.115	3.5
6	MP1A	Mx	0	3.5
7	MP1B	X	0	2.25
8	MP1B	Z	-18.439	2.25
9	MP1B	Mx	.008	2.25
10	MP1B	X	0	3.5
11	MP1B	Z	-18.439	3.5
12	MP1B	Mx	.008	3.5
13	MP1C	X	0	2.25
14	MP1C	Z	-18.439	2.25
15	MP1C	Mx	-.008	2.25
16	MP1C	X	0	3.5
17	MP1C	Z	-18.439	3.5
18	MP1C	Mx	-.008	3.5
19	MP5A	X	0	1
20	MP5A	Z	-58.344	1
21	MP5A	Mx	0	1
22	MP5A	X	0	4.75
23	MP5A	Z	-58.344	4.75
24	MP5A	Mx	0	4.75
25	MP5B	X	0	1
26	MP5B	Z	-45.785	1
27	MP5B	Mx	.02	1
28	MP5B	X	0	4.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP5B	Z	-45.785	4.75
30	MP5B	Mx	.02	4.75
31	MP5C	X	0	1
32	MP5C	Z	-45.785	1
33	MP5C	Mx	-.02	1
34	MP5C	X	0	4.75
35	MP5C	Z	-45.785	4.75
36	MP5C	Mx	-.02	4.75
37	M101	X	0	1.5
38	M101	Z	-47.094	1.5
39	M101	Mx	0	1.5
40	M96	X	0	0
41	M96	Z	-4.254	0
42	M96	Mx	0	0
43	MP3A	X	0	2
44	MP3A	Z	-51.416	2
45	MP3A	Mx	-.03	2
46	MP3A	X	0	5.75
47	MP3A	Z	-51.416	5.75
48	MP3A	Mx	-.03	5.75
49	MP3B	X	0	2
50	MP3B	Z	-40.272	2
51	MP3B	Mx	.029	2
52	MP3B	X	0	5.75
53	MP3B	Z	-40.272	5.75
54	MP3B	Mx	.029	5.75
55	MP3C	X	0	2
56	MP3C	Z	-40.272	2
57	MP3C	Mx	-.006	2
58	MP3C	X	0	5.75
59	MP3C	Z	-40.272	5.75
60	MP3C	Mx	-.006	5.75
61	MP3A	X	0	2
62	MP3A	Z	-51.416	2
63	MP3A	Mx	.03	2
64	MP3A	X	0	5.75
65	MP3A	Z	-51.416	5.75
66	MP3A	Mx	.03	5.75
67	MP3B	X	0	2
68	MP3B	Z	-40.272	2
69	MP3B	Mx	.006	2
70	MP3B	X	0	5.75
71	MP3B	Z	-40.272	5.75
72	MP3B	Mx	.006	5.75
73	MP3C	X	0	2
74	MP3C	Z	-40.272	2
75	MP3C	Mx	-.029	2
76	MP3C	X	0	5.75
77	MP3C	Z	-40.272	5.75
78	MP3C	Mx	-.029	5.75
79	MP4A	X	0	3
80	MP4A	Z	-27.468	3
81	MP4A	Mx	0	3
82	MP4B	X	0	3
83	MP4B	Z	-19.46	3
84	MP4B	Mx	-.008	3
85	MP4C	X	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP4C	Z	-19.46	3
87	MP4C	Mx	.008	3
88	MP2A	X	0	3
89	MP2A	Z	-27.468	3
90	MP2A	Mx	0	3
91	MP2B	X	0	3
92	MP2B	Z	-21.665	3
93	MP2B	Mx	-.009	3
94	MP2C	X	0	3
95	MP2C	Z	-21.665	3
96	MP2C	Mx	.009	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	13.445	2.25
2	MP1A	Z	-23.287	2.25
3	MP1A	Mx	-.007	2.25
4	MP1A	X	13.445	3.5
5	MP1A	Z	-23.287	3.5
6	MP1A	Mx	-.007	3.5
7	MP1B	X	7.107	2.25
8	MP1B	Z	-12.31	2.25
9	MP1B	Mx	.007	2.25
10	MP1B	X	7.107	3.5
11	MP1B	Z	-12.31	3.5
12	MP1B	Mx	.007	3.5
13	MP1C	X	13.445	2.25
14	MP1C	Z	-23.287	2.25
15	MP1C	Mx	-.007	2.25
16	MP1C	X	13.445	3.5
17	MP1C	Z	-23.287	3.5
18	MP1C	Mx	-.007	3.5
19	MP5A	X	27.079	1
20	MP5A	Z	-46.902	1
21	MP5A	Mx	-.014	1
22	MP5A	X	27.079	4.75
23	MP5A	Z	-46.902	4.75
24	MP5A	Mx	-.014	4.75
25	MP5B	X	20.799	1
26	MP5B	Z	-36.026	1
27	MP5B	Mx	.021	1
28	MP5B	X	20.799	4.75
29	MP5B	Z	-36.026	4.75
30	MP5B	Mx	.021	4.75
31	MP5C	X	27.079	1
32	MP5C	Z	-46.902	1
33	MP5C	Mx	-.014	1
34	MP5C	X	27.079	4.75
35	MP5C	Z	-46.902	4.75
36	MP5C	Mx	-.014	4.75
37	M101	X	19.804	1.5
38	M101	Z	-34.302	1.5
39	M101	Mx	0	1.5
40	M96	X	2.127	0
41	M96	Z	-3.684	0
42	M96	Mx	0	0

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP3A	X	23.851	2
44	MP3A	Z	-41.31	2
45	MP3A	Mx	-.036	2
46	MP3A	X	23.851	5.75
47	MP3A	Z	-41.31	5.75
48	MP3A	Mx	-.036	5.75
49	MP3B	X	18.279	2
50	MP3B	Z	-31.66	2
51	MP3B	Mx	.018	2
52	MP3B	X	18.279	5.75
53	MP3B	Z	-31.66	5.75
54	MP3B	Mx	.018	5.75
55	MP3C	X	23.851	2
56	MP3C	Z	-41.31	2
57	MP3C	Mx	.012	2
58	MP3C	X	23.851	5.75
59	MP3C	Z	-41.31	5.75
60	MP3C	Mx	.012	5.75
61	MP3A	X	23.851	2
62	MP3A	Z	-41.31	2
63	MP3A	Mx	.012	2
64	MP3A	X	23.851	5.75
65	MP3A	Z	-41.31	5.75
66	MP3A	Mx	.012	5.75
67	MP3B	X	18.279	2
68	MP3B	Z	-31.66	2
69	MP3B	Mx	.018	2
70	MP3B	X	18.279	5.75
71	MP3B	Z	-31.66	5.75
72	MP3B	Mx	.018	5.75
73	MP3C	X	23.851	2
74	MP3C	Z	-41.31	2
75	MP3C	Mx	-.036	2
76	MP3C	X	23.851	5.75
77	MP3C	Z	-41.31	5.75
78	MP3C	Mx	-.036	5.75
79	MP4A	X	12.399	3
80	MP4A	Z	-21.476	3
81	MP4A	Mx	.006	3
82	MP4B	X	8.395	3
83	MP4B	Z	-14.541	3
84	MP4B	Mx	-.008	3
85	MP4C	X	12.399	3
86	MP4C	Z	-21.476	3
87	MP4C	Mx	.006	3
88	MP2A	X	12.767	3
89	MP2A	Z	-22.113	3
90	MP2A	Mx	.006	3
91	MP2B	X	9.865	3
92	MP2B	Z	-17.087	3
93	MP2B	Mx	-.01	3
94	MP2C	X	12.767	3
95	MP2C	Z	-22.113	3
96	MP2C	Mx	.006	3

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	15.969	2.25
2	MP1A	Z	-9.22	2.25
3	MP1A	Mx	-.008	2.25
4	MP1A	X	15.969	3.5
5	MP1A	Z	-9.22	3.5
6	MP1A	Mx	-.008	3.5
7	MP1B	X	15.969	2.25
8	MP1B	Z	-9.22	2.25
9	MP1B	Mx	.008	2.25
10	MP1B	X	15.969	3.5
11	MP1B	Z	-9.22	3.5
12	MP1B	Mx	.008	3.5
13	MP1C	X	26.946	2.25
14	MP1C	Z	-15.557	2.25
15	MP1C	Mx	0	2.25
16	MP1C	X	26.946	3.5
17	MP1C	Z	-15.557	3.5
18	MP1C	Mx	0	3.5
19	MP5A	X	39.651	1
20	MP5A	Z	-22.893	1
21	MP5A	Mx	-.02	1
22	MP5A	X	39.651	4.75
23	MP5A	Z	-22.893	4.75
24	MP5A	Mx	-.02	4.75
25	MP5B	X	39.651	1
26	MP5B	Z	-22.893	1
27	MP5B	Mx	.02	1
28	MP5B	X	39.651	4.75
29	MP5B	Z	-22.893	4.75
30	MP5B	Mx	.02	4.75
31	MP5C	X	50.527	1
32	MP5C	Z	-29.172	1
33	MP5C	Mx	0	1
34	MP5C	X	50.527	4.75
35	MP5C	Z	-29.172	4.75
36	MP5C	Mx	0	4.75
37	M101	X	31.06	1.5
38	M101	Z	-17.933	1.5
39	M101	Mx	0	1.5
40	M96	X	3.684	0
41	M96	Z	-2.127	0
42	M96	Mx	0	0
43	MP3A	X	34.877	2
44	MP3A	Z	-20.136	2
45	MP3A	Mx	-.029	2
46	MP3A	X	34.877	5.75
47	MP3A	Z	-20.136	5.75
48	MP3A	Mx	-.029	5.75
49	MP3B	X	34.877	2
50	MP3B	Z	-20.136	2
51	MP3B	Mx	.006	2
52	MP3B	X	34.877	5.75
53	MP3B	Z	-20.136	5.75
54	MP3B	Mx	.006	5.75
55	MP3C	X	44.527	2
56	MP3C	Z	-25.708	2
57	MP3C	Mx	.03	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	44.527	5.75
59	MP3C	Z	-25.708	5.75
60	MP3C	Mx	.03	5.75
61	MP3A	X	34.877	2
62	MP3A	Z	-20.136	2
63	MP3A	Mx	-.006	2
64	MP3A	X	34.877	5.75
65	MP3A	Z	-20.136	5.75
66	MP3A	Mx	-.006	5.75
67	MP3B	X	34.877	2
68	MP3B	Z	-20.136	2
69	MP3B	Mx	.029	2
70	MP3B	X	34.877	5.75
71	MP3B	Z	-20.136	5.75
72	MP3B	Mx	.029	5.75
73	MP3C	X	44.527	2
74	MP3C	Z	-25.708	2
75	MP3C	Mx	-.03	2
76	MP3C	X	44.527	5.75
77	MP3C	Z	-25.708	5.75
78	MP3C	Mx	-.03	5.75
79	MP4A	X	16.853	3
80	MP4A	Z	-9.73	3
81	MP4A	Mx	.008	3
82	MP4B	X	16.853	3
83	MP4B	Z	-9.73	3
84	MP4B	Mx	-.008	3
85	MP4C	X	23.788	3
86	MP4C	Z	-13.734	3
87	MP4C	Mx	0	3
88	MP2A	X	18.762	3
89	MP2A	Z	-10.832	3
90	MP2A	Mx	.009	3
91	MP2B	X	18.762	3
92	MP2B	Z	-10.832	3
93	MP2B	Mx	-.009	3
94	MP2C	X	23.788	3
95	MP2C	Z	-13.734	3
96	MP2C	Mx	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	14.214	2.25
2	MP1A	Z	0	2.25
3	MP1A	Mx	-.007	2.25
4	MP1A	X	14.214	3.5
5	MP1A	Z	0	3.5
6	MP1A	Mx	-.007	3.5
7	MP1B	X	26.889	2.25
8	MP1B	Z	0	2.25
9	MP1B	Mx	.007	2.25
10	MP1B	X	26.889	3.5
11	MP1B	Z	0	3.5
12	MP1B	Mx	.007	3.5
13	MP1C	X	26.889	2.25
14	MP1C	Z	0	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP1C	Mx	.007	2.25
16	MP1C	X	26.889	3.5
17	MP1C	Z	0	3.5
18	MP1C	Mx	.007	3.5
19	MP5A	X	41.599	1
20	MP5A	Z	0	1
21	MP5A	Mx	-.021	1
22	MP5A	X	41.599	4.75
23	MP5A	Z	0	4.75
24	MP5A	Mx	-.021	4.75
25	MP5B	X	54.158	1
26	MP5B	Z	0	1
27	MP5B	Mx	.014	1
28	MP5B	X	54.158	4.75
29	MP5B	Z	0	4.75
30	MP5B	Mx	.014	4.75
31	MP5C	X	54.158	1
32	MP5C	Z	0	1
33	MP5C	Mx	.014	1
34	MP5C	X	54.158	4.75
35	MP5C	Z	0	4.75
36	MP5C	Mx	.014	4.75
37	M101	X	39.608	1.5
38	M101	Z	0	1.5
39	M101	Mx	0	1.5
40	M96	X	4.254	0
41	M96	Z	0	0
42	M96	Mx	0	0
43	MP3A	X	36.558	2
44	MP3A	Z	0	2
45	MP3A	Mx	-.018	2
46	MP3A	X	36.558	5.75
47	MP3A	Z	0	5.75
48	MP3A	Mx	-.018	5.75
49	MP3B	X	47.701	2
50	MP3B	Z	0	2
51	MP3B	Mx	-.012	2
52	MP3B	X	47.701	5.75
53	MP3B	Z	0	5.75
54	MP3B	Mx	-.012	5.75
55	MP3C	X	47.701	2
56	MP3C	Z	0	2
57	MP3C	Mx	.036	2
58	MP3C	X	47.701	5.75
59	MP3C	Z	0	5.75
60	MP3C	Mx	.036	5.75
61	MP3A	X	36.558	2
62	MP3A	Z	0	2
63	MP3A	Mx	-.018	2
64	MP3A	X	36.558	5.75
65	MP3A	Z	0	5.75
66	MP3A	Mx	-.018	5.75
67	MP3B	X	47.701	2
68	MP3B	Z	0	2
69	MP3B	Mx	.036	2
70	MP3B	X	47.701	5.75
71	MP3B	Z	0	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP3B	Mx	.036	5.75
73	MP3C	X	47.701	2
74	MP3C	Z	0	2
75	MP3C	Mx	-.012	2
76	MP3C	X	47.701	5.75
77	MP3C	Z	0	5.75
78	MP3C	Mx	-.012	5.75
79	MP4A	X	16.79	3
80	MP4A	Z	0	3
81	MP4A	Mx	.008	3
82	MP4B	X	24.799	3
83	MP4B	Z	0	3
84	MP4B	Mx	-.006	3
85	MP4C	X	24.799	3
86	MP4C	Z	0	3
87	MP4C	Mx	-.006	3
88	MP2A	X	19.731	3
89	MP2A	Z	0	3
90	MP2A	Mx	.01	3
91	MP2B	X	25.534	3
92	MP2B	Z	0	3
93	MP2B	Mx	-.006	3
94	MP2C	X	25.534	3
95	MP2C	Z	0	3
96	MP2C	Mx	-.006	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	15.969	2.25
2	MP1A	Z	9.22	2.25
3	MP1A	Mx	-.008	2.25
4	MP1A	X	15.969	3.5
5	MP1A	Z	9.22	3.5
6	MP1A	Mx	-.008	3.5
7	MP1B	X	26.946	2.25
8	MP1B	Z	15.557	2.25
9	MP1B	Mx	0	2.25
10	MP1B	X	26.946	3.5
11	MP1B	Z	15.557	3.5
12	MP1B	Mx	0	3.5
13	MP1C	X	15.969	2.25
14	MP1C	Z	9.22	2.25
15	MP1C	Mx	.008	2.25
16	MP1C	X	15.969	3.5
17	MP1C	Z	9.22	3.5
18	MP1C	Mx	.008	3.5
19	MP5A	X	39.651	1
20	MP5A	Z	22.893	1
21	MP5A	Mx	-.02	1
22	MP5A	X	39.651	4.75
23	MP5A	Z	22.893	4.75
24	MP5A	Mx	-.02	4.75
25	MP5B	X	50.527	1
26	MP5B	Z	29.172	1
27	MP5B	Mx	0	1
28	MP5B	X	50.527	4.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP5B	Z	29.172	4.75
30	MP5B	Mx	0	4.75
31	MP5C	X	39.651	1
32	MP5C	Z	22.893	1
33	MP5C	Mx	.02	1
34	MP5C	X	39.651	4.75
35	MP5C	Z	22.893	4.75
36	MP5C	Mx	.02	4.75
37	M101	X	40.784	1.5
38	M101	Z	23.547	1.5
39	M101	Mx	0	1.5
40	M96	X	3.684	0
41	M96	Z	2.127	0
42	M96	Mx	0	0
43	MP3A	X	34.877	2
44	MP3A	Z	20.136	2
45	MP3A	Mx	-.006	2
46	MP3A	X	34.877	5.75
47	MP3A	Z	20.136	5.75
48	MP3A	Mx	-.006	5.75
49	MP3B	X	44.527	2
50	MP3B	Z	25.708	2
51	MP3B	Mx	-.03	2
52	MP3B	X	44.527	5.75
53	MP3B	Z	25.708	5.75
54	MP3B	Mx	-.03	5.75
55	MP3C	X	34.877	2
56	MP3C	Z	20.136	2
57	MP3C	Mx	.029	2
58	MP3C	X	34.877	5.75
59	MP3C	Z	20.136	5.75
60	MP3C	Mx	.029	5.75
61	MP3A	X	34.877	2
62	MP3A	Z	20.136	2
63	MP3A	Mx	-.029	2
64	MP3A	X	34.877	5.75
65	MP3A	Z	20.136	5.75
66	MP3A	Mx	-.029	5.75
67	MP3B	X	44.527	2
68	MP3B	Z	25.708	2
69	MP3B	Mx	.03	2
70	MP3B	X	44.527	5.75
71	MP3B	Z	25.708	5.75
72	MP3B	Mx	.03	5.75
73	MP3C	X	34.877	2
74	MP3C	Z	20.136	2
75	MP3C	Mx	.006	2
76	MP3C	X	34.877	5.75
77	MP3C	Z	20.136	5.75
78	MP3C	Mx	.006	5.75
79	MP4A	X	16.853	3
80	MP4A	Z	9.73	3
81	MP4A	Mx	.008	3
82	MP4B	X	23.788	3
83	MP4B	Z	13.734	3
84	MP4B	Mx	0	3
85	MP4C	X	16.853	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP4C	Z	9.73	3
87	MP4C	Mx	-.008	3
88	MP2A	X	18.762	3
89	MP2A	Z	10.832	3
90	MP2A	Mx	.009	3
91	MP2B	X	23.788	3
92	MP2B	Z	13.734	3
93	MP2B	Mx	0	3
94	MP2C	X	18.762	3
95	MP2C	Z	10.832	3
96	MP2C	Mx	-.009	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	13.445	2.25
2	MP1A	Z	23.287	2.25
3	MP1A	Mx	-.007	2.25
4	MP1A	X	13.445	3.5
5	MP1A	Z	23.287	3.5
6	MP1A	Mx	-.007	3.5
7	MP1B	X	13.445	2.25
8	MP1B	Z	23.287	2.25
9	MP1B	Mx	-.007	2.25
10	MP1B	X	13.445	3.5
11	MP1B	Z	23.287	3.5
12	MP1B	Mx	-.007	3.5
13	MP1C	X	7.107	2.25
14	MP1C	Z	12.31	2.25
15	MP1C	Mx	.007	2.25
16	MP1C	X	7.107	3.5
17	MP1C	Z	12.31	3.5
18	MP1C	Mx	.007	3.5
19	MP5A	X	27.079	1
20	MP5A	Z	46.902	1
21	MP5A	Mx	-.014	1
22	MP5A	X	27.079	4.75
23	MP5A	Z	46.902	4.75
24	MP5A	Mx	-.014	4.75
25	MP5B	X	27.079	1
26	MP5B	Z	46.902	1
27	MP5B	Mx	-.014	1
28	MP5B	X	27.079	4.75
29	MP5B	Z	46.902	4.75
30	MP5B	Mx	-.014	4.75
31	MP5C	X	20.799	1
32	MP5C	Z	36.026	1
33	MP5C	Mx	.021	1
34	MP5C	X	20.799	4.75
35	MP5C	Z	36.026	4.75
36	MP5C	Mx	.021	4.75
37	M101	X	25.418	1.5
38	M101	Z	44.026	1.5
39	M101	Mx	0	1.5
40	M96	X	2.127	0
41	M96	Z	3.684	0
42	M96	Mx	0	0

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP3A	X	23.851	2
44	MP3A	Z	41.31	2
45	MP3A	Mx	.012	2
46	MP3A	X	23.851	5.75
47	MP3A	Z	41.31	5.75
48	MP3A	Mx	.012	5.75
49	MP3B	X	23.851	2
50	MP3B	Z	41.31	2
51	MP3B	Mx	-.036	2
52	MP3B	X	23.851	5.75
53	MP3B	Z	41.31	5.75
54	MP3B	Mx	-.036	5.75
55	MP3C	X	18.279	2
56	MP3C	Z	31.66	2
57	MP3C	Mx	.018	2
58	MP3C	X	18.279	5.75
59	MP3C	Z	31.66	5.75
60	MP3C	Mx	.018	5.75
61	MP3A	X	23.851	2
62	MP3A	Z	41.31	2
63	MP3A	Mx	-.036	2
64	MP3A	X	23.851	5.75
65	MP3A	Z	41.31	5.75
66	MP3A	Mx	-.036	5.75
67	MP3B	X	23.851	2
68	MP3B	Z	41.31	2
69	MP3B	Mx	.012	2
70	MP3B	X	23.851	5.75
71	MP3B	Z	41.31	5.75
72	MP3B	Mx	.012	5.75
73	MP3C	X	18.279	2
74	MP3C	Z	31.66	2
75	MP3C	Mx	.018	2
76	MP3C	X	18.279	5.75
77	MP3C	Z	31.66	5.75
78	MP3C	Mx	.018	5.75
79	MP4A	X	12.399	3
80	MP4A	Z	21.476	3
81	MP4A	Mx	.006	3
82	MP4B	X	12.399	3
83	MP4B	Z	21.476	3
84	MP4B	Mx	.006	3
85	MP4C	X	8.395	3
86	MP4C	Z	14.541	3
87	MP4C	Mx	-.008	3
88	MP2A	X	12.767	3
89	MP2A	Z	22.113	3
90	MP2A	Mx	.006	3
91	MP2B	X	12.767	3
92	MP2B	Z	22.113	3
93	MP2B	Mx	.006	3
94	MP2C	X	9.865	3
95	MP2C	Z	17.087	3
96	MP2C	Mx	-.01	3

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	2.25
2	MP1A	Z	31.115	2.25
3	MP1A	Mx	0	2.25
4	MP1A	X	0	3.5
5	MP1A	Z	31.115	3.5
6	MP1A	Mx	0	3.5
7	MP1B	X	0	2.25
8	MP1B	Z	18.439	2.25
9	MP1B	Mx	-.008	2.25
10	MP1B	X	0	3.5
11	MP1B	Z	18.439	3.5
12	MP1B	Mx	-.008	3.5
13	MP1C	X	0	2.25
14	MP1C	Z	18.439	2.25
15	MP1C	Mx	.008	2.25
16	MP1C	X	0	3.5
17	MP1C	Z	18.439	3.5
18	MP1C	Mx	.008	3.5
19	MP5A	X	0	1
20	MP5A	Z	58.344	1
21	MP5A	Mx	0	1
22	MP5A	X	0	4.75
23	MP5A	Z	58.344	4.75
24	MP5A	Mx	0	4.75
25	MP5B	X	0	1
26	MP5B	Z	45.785	1
27	MP5B	Mx	-.02	1
28	MP5B	X	0	4.75
29	MP5B	Z	45.785	4.75
30	MP5B	Mx	-.02	4.75
31	MP5C	X	0	1
32	MP5C	Z	45.785	1
33	MP5C	Mx	.02	1
34	MP5C	X	0	4.75
35	MP5C	Z	45.785	4.75
36	MP5C	Mx	.02	4.75
37	M101	X	0	1.5
38	M101	Z	47.094	1.5
39	M101	Mx	0	1.5
40	M96	X	0	0
41	M96	Z	4.254	0
42	M96	Mx	0	0
43	MP3A	X	0	2
44	MP3A	Z	51.416	2
45	MP3A	Mx	.03	2
46	MP3A	X	0	5.75
47	MP3A	Z	51.416	5.75
48	MP3A	Mx	.03	5.75
49	MP3B	X	0	2
50	MP3B	Z	40.272	2
51	MP3B	Mx	-.029	2
52	MP3B	X	0	5.75
53	MP3B	Z	40.272	5.75
54	MP3B	Mx	-.029	5.75
55	MP3C	X	0	2
56	MP3C	Z	40.272	2
57	MP3C	Mx	.006	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	0	5.75
59	MP3C	Z	40.272	5.75
60	MP3C	Mx	.006	5.75
61	MP3A	X	0	2
62	MP3A	Z	51.416	2
63	MP3A	Mx	-.03	2
64	MP3A	X	0	5.75
65	MP3A	Z	51.416	5.75
66	MP3A	Mx	-.03	5.75
67	MP3B	X	0	2
68	MP3B	Z	40.272	2
69	MP3B	Mx	-.006	2
70	MP3B	X	0	5.75
71	MP3B	Z	40.272	5.75
72	MP3B	Mx	-.006	5.75
73	MP3C	X	0	2
74	MP3C	Z	40.272	2
75	MP3C	Mx	.029	2
76	MP3C	X	0	5.75
77	MP3C	Z	40.272	5.75
78	MP3C	Mx	.029	5.75
79	MP4A	X	0	3
80	MP4A	Z	27.468	3
81	MP4A	Mx	0	3
82	MP4B	X	0	3
83	MP4B	Z	19.46	3
84	MP4B	Mx	.008	3
85	MP4C	X	0	3
86	MP4C	Z	19.46	3
87	MP4C	Mx	-.008	3
88	MP2A	X	0	3
89	MP2A	Z	27.468	3
90	MP2A	Mx	0	3
91	MP2B	X	0	3
92	MP2B	Z	21.665	3
93	MP2B	Mx	.009	3
94	MP2C	X	0	3
95	MP2C	Z	21.665	3
96	MP2C	Mx	-.009	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-13.445	2.25
2	MP1A	Z	23.287	2.25
3	MP1A	Mx	.007	2.25
4	MP1A	X	-13.445	3.5
5	MP1A	Z	23.287	3.5
6	MP1A	Mx	.007	3.5
7	MP1B	X	-7.107	2.25
8	MP1B	Z	12.31	2.25
9	MP1B	Mx	-.007	2.25
10	MP1B	X	-7.107	3.5
11	MP1B	Z	12.31	3.5
12	MP1B	Mx	-.007	3.5
13	MP1C	X	-13.445	2.25
14	MP1C	Z	23.287	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP1C	Mx	.007	2.25
16	MP1C	X	-13.445	3.5
17	MP1C	Z	23.287	3.5
18	MP1C	Mx	.007	3.5
19	MP5A	X	-27.079	1
20	MP5A	Z	46.902	1
21	MP5A	Mx	.014	1
22	MP5A	X	-27.079	4.75
23	MP5A	Z	46.902	4.75
24	MP5A	Mx	.014	4.75
25	MP5B	X	-20.799	1
26	MP5B	Z	36.026	1
27	MP5B	Mx	-.021	1
28	MP5B	X	-20.799	4.75
29	MP5B	Z	36.026	4.75
30	MP5B	Mx	-.021	4.75
31	MP5C	X	-27.079	1
32	MP5C	Z	46.902	1
33	MP5C	Mx	.014	1
34	MP5C	X	-27.079	4.75
35	MP5C	Z	46.902	4.75
36	MP5C	Mx	.014	4.75
37	M101	X	-19.804	1.5
38	M101	Z	34.302	1.5
39	M101	Mx	0	1.5
40	M96	X	-2.127	0
41	M96	Z	3.684	0
42	M96	Mx	0	0
43	MP3A	X	-23.851	2
44	MP3A	Z	41.31	2
45	MP3A	Mx	.036	2
46	MP3A	X	-23.851	5.75
47	MP3A	Z	41.31	5.75
48	MP3A	Mx	.036	5.75
49	MP3B	X	-18.279	2
50	MP3B	Z	31.66	2
51	MP3B	Mx	-.018	2
52	MP3B	X	-18.279	5.75
53	MP3B	Z	31.66	5.75
54	MP3B	Mx	-.018	5.75
55	MP3C	X	-23.851	2
56	MP3C	Z	41.31	2
57	MP3C	Mx	-.012	2
58	MP3C	X	-23.851	5.75
59	MP3C	Z	41.31	5.75
60	MP3C	Mx	-.012	5.75
61	MP3A	X	-23.851	2
62	MP3A	Z	41.31	2
63	MP3A	Mx	-.012	2
64	MP3A	X	-23.851	5.75
65	MP3A	Z	41.31	5.75
66	MP3A	Mx	-.012	5.75
67	MP3B	X	-18.279	2
68	MP3B	Z	31.66	2
69	MP3B	Mx	-.018	2
70	MP3B	X	-18.279	5.75
71	MP3B	Z	31.66	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP3B	Mx	-.018	5.75
73	MP3C	X	-23.851	2
74	MP3C	Z	41.31	2
75	MP3C	Mx	.036	2
76	MP3C	X	-23.851	5.75
77	MP3C	Z	41.31	5.75
78	MP3C	Mx	.036	5.75
79	MP4A	X	-12.399	3
80	MP4A	Z	21.476	3
81	MP4A	Mx	-.006	3
82	MP4B	X	-8.395	3
83	MP4B	Z	14.541	3
84	MP4B	Mx	.008	3
85	MP4C	X	-12.399	3
86	MP4C	Z	21.476	3
87	MP4C	Mx	-.006	3
88	MP2A	X	-12.767	3
89	MP2A	Z	22.113	3
90	MP2A	Mx	-.006	3
91	MP2B	X	-9.865	3
92	MP2B	Z	17.087	3
93	MP2B	Mx	.01	3
94	MP2C	X	-12.767	3
95	MP2C	Z	22.113	3
96	MP2C	Mx	-.006	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-15.969	2.25
2	MP1A	Z	9.22	2.25
3	MP1A	Mx	.008	2.25
4	MP1A	X	-15.969	3.5
5	MP1A	Z	9.22	3.5
6	MP1A	Mx	.008	3.5
7	MP1B	X	-15.969	2.25
8	MP1B	Z	9.22	2.25
9	MP1B	Mx	-.008	2.25
10	MP1B	X	-15.969	3.5
11	MP1B	Z	9.22	3.5
12	MP1B	Mx	-.008	3.5
13	MP1C	X	-26.946	2.25
14	MP1C	Z	15.557	2.25
15	MP1C	Mx	0	2.25
16	MP1C	X	-26.946	3.5
17	MP1C	Z	15.557	3.5
18	MP1C	Mx	0	3.5
19	MP5A	X	-39.651	1
20	MP5A	Z	22.893	1
21	MP5A	Mx	.02	1
22	MP5A	X	-39.651	4.75
23	MP5A	Z	22.893	4.75
24	MP5A	Mx	.02	4.75
25	MP5B	X	-39.651	1
26	MP5B	Z	22.893	1
27	MP5B	Mx	-.02	1
28	MP5B	X	-39.651	4.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP5B	Z	22.893	4.75
30	MP5B	Mx	-.02	4.75
31	MP5C	X	-50.527	1
32	MP5C	Z	29.172	1
33	MP5C	Mx	0	1
34	MP5C	X	-50.527	4.75
35	MP5C	Z	29.172	4.75
36	MP5C	Mx	0	4.75
37	M101	X	-31.06	1.5
38	M101	Z	17.933	1.5
39	M101	Mx	0	1.5
40	M96	X	-3.684	0
41	M96	Z	2.127	0
42	M96	Mx	0	0
43	MP3A	X	-34.877	2
44	MP3A	Z	20.136	2
45	MP3A	Mx	.029	2
46	MP3A	X	-34.877	5.75
47	MP3A	Z	20.136	5.75
48	MP3A	Mx	.029	5.75
49	MP3B	X	-34.877	2
50	MP3B	Z	20.136	2
51	MP3B	Mx	-.006	2
52	MP3B	X	-34.877	5.75
53	MP3B	Z	20.136	5.75
54	MP3B	Mx	-.006	5.75
55	MP3C	X	-44.527	2
56	MP3C	Z	25.708	2
57	MP3C	Mx	-.03	2
58	MP3C	X	-44.527	5.75
59	MP3C	Z	25.708	5.75
60	MP3C	Mx	-.03	5.75
61	MP3A	X	-34.877	2
62	MP3A	Z	20.136	2
63	MP3A	Mx	.006	2
64	MP3A	X	-34.877	5.75
65	MP3A	Z	20.136	5.75
66	MP3A	Mx	.006	5.75
67	MP3B	X	-34.877	2
68	MP3B	Z	20.136	2
69	MP3B	Mx	-.029	2
70	MP3B	X	-34.877	5.75
71	MP3B	Z	20.136	5.75
72	MP3B	Mx	-.029	5.75
73	MP3C	X	-44.527	2
74	MP3C	Z	25.708	2
75	MP3C	Mx	.03	2
76	MP3C	X	-44.527	5.75
77	MP3C	Z	25.708	5.75
78	MP3C	Mx	.03	5.75
79	MP4A	X	-16.853	3
80	MP4A	Z	9.73	3
81	MP4A	Mx	-.008	3
82	MP4B	X	-16.853	3
83	MP4B	Z	9.73	3
84	MP4B	Mx	.008	3
85	MP4C	X	-23.788	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP4C	Z	13.734	3
87	MP4C	Mx	0	3
88	MP2A	X	-18.762	3
89	MP2A	Z	10.832	3
90	MP2A	Mx	-.009	3
91	MP2B	X	-18.762	3
92	MP2B	Z	10.832	3
93	MP2B	Mx	.009	3
94	MP2C	X	-23.788	3
95	MP2C	Z	13.734	3
96	MP2C	Mx	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-14.214	2.25
2	MP1A	Z	0	2.25
3	MP1A	Mx	.007	2.25
4	MP1A	X	-14.214	3.5
5	MP1A	Z	0	3.5
6	MP1A	Mx	.007	3.5
7	MP1B	X	-26.889	2.25
8	MP1B	Z	0	2.25
9	MP1B	Mx	-.007	2.25
10	MP1B	X	-26.889	3.5
11	MP1B	Z	0	3.5
12	MP1B	Mx	-.007	3.5
13	MP1C	X	-26.889	2.25
14	MP1C	Z	0	2.25
15	MP1C	Mx	-.007	2.25
16	MP1C	X	-26.889	3.5
17	MP1C	Z	0	3.5
18	MP1C	Mx	-.007	3.5
19	MP5A	X	-41.599	1
20	MP5A	Z	0	1
21	MP5A	Mx	.021	1
22	MP5A	X	-41.599	4.75
23	MP5A	Z	0	4.75
24	MP5A	Mx	.021	4.75
25	MP5B	X	-54.158	1
26	MP5B	Z	0	1
27	MP5B	Mx	-.014	1
28	MP5B	X	-54.158	4.75
29	MP5B	Z	0	4.75
30	MP5B	Mx	-.014	4.75
31	MP5C	X	-54.158	1
32	MP5C	Z	0	1
33	MP5C	Mx	-.014	1
34	MP5C	X	-54.158	4.75
35	MP5C	Z	0	4.75
36	MP5C	Mx	-.014	4.75
37	M101	X	-39.608	1.5
38	M101	Z	0	1.5
39	M101	Mx	0	1.5
40	M96	X	-4.254	0
41	M96	Z	0	0
42	M96	Mx	0	0

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP3A	X	-36.558	2
44	MP3A	Z	0	2
45	MP3A	Mx	.018	2
46	MP3A	X	-36.558	5.75
47	MP3A	Z	0	5.75
48	MP3A	Mx	.018	5.75
49	MP3B	X	-47.701	2
50	MP3B	Z	0	2
51	MP3B	Mx	.012	2
52	MP3B	X	-47.701	5.75
53	MP3B	Z	0	5.75
54	MP3B	Mx	.012	5.75
55	MP3C	X	-47.701	2
56	MP3C	Z	0	2
57	MP3C	Mx	-.036	2
58	MP3C	X	-47.701	5.75
59	MP3C	Z	0	5.75
60	MP3C	Mx	-.036	5.75
61	MP3A	X	-36.558	2
62	MP3A	Z	0	2
63	MP3A	Mx	.018	2
64	MP3A	X	-36.558	5.75
65	MP3A	Z	0	5.75
66	MP3A	Mx	.018	5.75
67	MP3B	X	-47.701	2
68	MP3B	Z	0	2
69	MP3B	Mx	-.036	2
70	MP3B	X	-47.701	5.75
71	MP3B	Z	0	5.75
72	MP3B	Mx	-.036	5.75
73	MP3C	X	-47.701	2
74	MP3C	Z	0	2
75	MP3C	Mx	.012	2
76	MP3C	X	-47.701	5.75
77	MP3C	Z	0	5.75
78	MP3C	Mx	.012	5.75
79	MP4A	X	-16.79	3
80	MP4A	Z	0	3
81	MP4A	Mx	-.008	3
82	MP4B	X	-24.799	3
83	MP4B	Z	0	3
84	MP4B	Mx	.006	3
85	MP4C	X	-24.799	3
86	MP4C	Z	0	3
87	MP4C	Mx	.006	3
88	MP2A	X	-19.731	3
89	MP2A	Z	0	3
90	MP2A	Mx	-.01	3
91	MP2B	X	-25.534	3
92	MP2B	Z	0	3
93	MP2B	Mx	.006	3
94	MP2C	X	-25.534	3
95	MP2C	Z	0	3
96	MP2C	Mx	.006	3

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-15.969	2.25
2	MP1A	Z	-9.22	2.25
3	MP1A	Mx	.008	2.25
4	MP1A	X	-15.969	3.5
5	MP1A	Z	-9.22	3.5
6	MP1A	Mx	.008	3.5
7	MP1B	X	-26.946	2.25
8	MP1B	Z	-15.557	2.25
9	MP1B	Mx	0	2.25
10	MP1B	X	-26.946	3.5
11	MP1B	Z	-15.557	3.5
12	MP1B	Mx	0	3.5
13	MP1C	X	-15.969	2.25
14	MP1C	Z	-9.22	2.25
15	MP1C	Mx	-.008	2.25
16	MP1C	X	-15.969	3.5
17	MP1C	Z	-9.22	3.5
18	MP1C	Mx	-.008	3.5
19	MP5A	X	-39.651	1
20	MP5A	Z	-22.893	1
21	MP5A	Mx	.02	1
22	MP5A	X	-39.651	4.75
23	MP5A	Z	-22.893	4.75
24	MP5A	Mx	.02	4.75
25	MP5B	X	-50.527	1
26	MP5B	Z	-29.172	1
27	MP5B	Mx	0	1
28	MP5B	X	-50.527	4.75
29	MP5B	Z	-29.172	4.75
30	MP5B	Mx	0	4.75
31	MP5C	X	-39.651	1
32	MP5C	Z	-22.893	1
33	MP5C	Mx	-.02	1
34	MP5C	X	-39.651	4.75
35	MP5C	Z	-22.893	4.75
36	MP5C	Mx	-.02	4.75
37	M101	X	-40.784	1.5
38	M101	Z	-23.547	1.5
39	M101	Mx	0	1.5
40	M96	X	-3.684	0
41	M96	Z	-2.127	0
42	M96	Mx	0	0
43	MP3A	X	-34.877	2
44	MP3A	Z	-20.136	2
45	MP3A	Mx	.006	2
46	MP3A	X	-34.877	5.75
47	MP3A	Z	-20.136	5.75
48	MP3A	Mx	.006	5.75
49	MP3B	X	-44.527	2
50	MP3B	Z	-25.708	2
51	MP3B	Mx	.03	2
52	MP3B	X	-44.527	5.75
53	MP3B	Z	-25.708	5.75
54	MP3B	Mx	.03	5.75
55	MP3C	X	-34.877	2
56	MP3C	Z	-20.136	2
57	MP3C	Mx	-.029	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	-34.877	5.75
59	MP3C	Z	-20.136	5.75
60	MP3C	Mx	-.029	5.75
61	MP3A	X	-34.877	2
62	MP3A	Z	-20.136	2
63	MP3A	Mx	.029	2
64	MP3A	X	-34.877	5.75
65	MP3A	Z	-20.136	5.75
66	MP3A	Mx	.029	5.75
67	MP3B	X	-44.527	2
68	MP3B	Z	-25.708	2
69	MP3B	Mx	-.03	2
70	MP3B	X	-44.527	5.75
71	MP3B	Z	-25.708	5.75
72	MP3B	Mx	-.03	5.75
73	MP3C	X	-34.877	2
74	MP3C	Z	-20.136	2
75	MP3C	Mx	-.006	2
76	MP3C	X	-34.877	5.75
77	MP3C	Z	-20.136	5.75
78	MP3C	Mx	-.006	5.75
79	MP4A	X	-16.853	3
80	MP4A	Z	-9.73	3
81	MP4A	Mx	-.008	3
82	MP4B	X	-23.788	3
83	MP4B	Z	-13.734	3
84	MP4B	Mx	0	3
85	MP4C	X	-16.853	3
86	MP4C	Z	-9.73	3
87	MP4C	Mx	.008	3
88	MP2A	X	-18.762	3
89	MP2A	Z	-10.832	3
90	MP2A	Mx	-.009	3
91	MP2B	X	-23.788	3
92	MP2B	Z	-13.734	3
93	MP2B	Mx	0	3
94	MP2C	X	-18.762	3
95	MP2C	Z	-10.832	3
96	MP2C	Mx	.009	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-13.445	2.25
2	MP1A	Z	-23.287	2.25
3	MP1A	Mx	.007	2.25
4	MP1A	X	-13.445	3.5
5	MP1A	Z	-23.287	3.5
6	MP1A	Mx	.007	3.5
7	MP1B	X	-13.445	2.25
8	MP1B	Z	-23.287	2.25
9	MP1B	Mx	.007	2.25
10	MP1B	X	-13.445	3.5
11	MP1B	Z	-23.287	3.5
12	MP1B	Mx	.007	3.5
13	MP1C	X	-7.107	2.25
14	MP1C	Z	-12.31	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP1C	Mx	-.007	2.25
16	MP1C	X	-7.107	3.5
17	MP1C	Z	-12.31	3.5
18	MP1C	Mx	-.007	3.5
19	MP5A	X	-27.079	1
20	MP5A	Z	-46.902	1
21	MP5A	Mx	.014	1
22	MP5A	X	-27.079	4.75
23	MP5A	Z	-46.902	4.75
24	MP5A	Mx	.014	4.75
25	MP5B	X	-27.079	1
26	MP5B	Z	-46.902	1
27	MP5B	Mx	.014	1
28	MP5B	X	-27.079	4.75
29	MP5B	Z	-46.902	4.75
30	MP5B	Mx	.014	4.75
31	MP5C	X	-20.799	1
32	MP5C	Z	-36.026	1
33	MP5C	Mx	-.021	1
34	MP5C	X	-20.799	4.75
35	MP5C	Z	-36.026	4.75
36	MP5C	Mx	-.021	4.75
37	M101	X	-25.418	1.5
38	M101	Z	-44.026	1.5
39	M101	Mx	0	1.5
40	M96	X	-2.127	0
41	M96	Z	-3.684	0
42	M96	Mx	0	0
43	MP3A	X	-23.851	2
44	MP3A	Z	-41.31	2
45	MP3A	Mx	-.012	2
46	MP3A	X	-23.851	5.75
47	MP3A	Z	-41.31	5.75
48	MP3A	Mx	-.012	5.75
49	MP3B	X	-23.851	2
50	MP3B	Z	-41.31	2
51	MP3B	Mx	.036	2
52	MP3B	X	-23.851	5.75
53	MP3B	Z	-41.31	5.75
54	MP3B	Mx	.036	5.75
55	MP3C	X	-18.279	2
56	MP3C	Z	-31.66	2
57	MP3C	Mx	-.018	2
58	MP3C	X	-18.279	5.75
59	MP3C	Z	-31.66	5.75
60	MP3C	Mx	-.018	5.75
61	MP3A	X	-23.851	2
62	MP3A	Z	-41.31	2
63	MP3A	Mx	.036	2
64	MP3A	X	-23.851	5.75
65	MP3A	Z	-41.31	5.75
66	MP3A	Mx	.036	5.75
67	MP3B	X	-23.851	2
68	MP3B	Z	-41.31	2
69	MP3B	Mx	-.012	2
70	MP3B	X	-23.851	5.75
71	MP3B	Z	-41.31	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP3B	Mx	-.012	5.75
73	MP3C	X	-18.279	2
74	MP3C	Z	-31.66	2
75	MP3C	Mx	-.018	2
76	MP3C	X	-18.279	5.75
77	MP3C	Z	-31.66	5.75
78	MP3C	Mx	-.018	5.75
79	MP4A	X	-12.399	3
80	MP4A	Z	-21.476	3
81	MP4A	Mx	-.006	3
82	MP4B	X	-12.399	3
83	MP4B	Z	-21.476	3
84	MP4B	Mx	-.006	3
85	MP4C	X	-8.395	3
86	MP4C	Z	-14.541	3
87	MP4C	Mx	.008	3
88	MP2A	X	-12.767	3
89	MP2A	Z	-22.113	3
90	MP2A	Mx	-.006	3
91	MP2B	X	-12.767	3
92	MP2B	Z	-22.113	3
93	MP2B	Mx	-.006	3
94	MP2C	X	-9.865	3
95	MP2C	Z	-17.087	3
96	MP2C	Mx	.01	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	2.25
2	MP1A	Z	-8.979	2.25
3	MP1A	Mx	0	2.25
4	MP1A	X	0	3.5
5	MP1A	Z	-8.979	3.5
6	MP1A	Mx	0	3.5
7	MP1B	X	0	2.25
8	MP1B	Z	-4.881	2.25
9	MP1B	Mx	.002	2.25
10	MP1B	X	0	3.5
11	MP1B	Z	-4.881	3.5
12	MP1B	Mx	.002	3.5
13	MP1C	X	0	2.25
14	MP1C	Z	-4.881	2.25
15	MP1C	Mx	-.002	2.25
16	MP1C	X	0	3.5
17	MP1C	Z	-4.881	3.5
18	MP1C	Mx	-.002	3.5
19	MP5A	X	0	1
20	MP5A	Z	-17.633	1
21	MP5A	Mx	0	1
22	MP5A	X	0	4.75
23	MP5A	Z	-17.633	4.75
24	MP5A	Mx	0	4.75
25	MP5B	X	0	1
26	MP5B	Z	-13.206	1
27	MP5B	Mx	.006	1
28	MP5B	X	0	4.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP5B	Z	-13.206	4.75
30	MP5B	Mx	.006	4.75
31	MP5C	X	0	1
32	MP5C	Z	-13.206	1
33	MP5C	Mx	-.006	1
34	MP5C	X	0	4.75
35	MP5C	Z	-13.206	4.75
36	MP5C	Mx	-.006	4.75
37	M101	X	0	1.5
38	M101	Z	-13.237	1.5
39	M101	Mx	0	1.5
40	M96	X	0	0
41	M96	Z	-.391	0
42	M96	Mx	0	0
43	MP3A	X	0	2
44	MP3A	Z	-15.436	2
45	MP3A	Mx	-.009	2
46	MP3A	X	0	5.75
47	MP3A	Z	-15.436	5.75
48	MP3A	Mx	-.009	5.75
49	MP3B	X	0	2
50	MP3B	Z	-11.513	2
51	MP3B	Mx	.008	2
52	MP3B	X	0	5.75
53	MP3B	Z	-11.513	5.75
54	MP3B	Mx	.008	5.75
55	MP3C	X	0	2
56	MP3C	Z	-11.513	2
57	MP3C	Mx	-.002	2
58	MP3C	X	0	5.75
59	MP3C	Z	-11.513	5.75
60	MP3C	Mx	-.002	5.75
61	MP3A	X	0	2
62	MP3A	Z	-15.436	2
63	MP3A	Mx	.009	2
64	MP3A	X	0	5.75
65	MP3A	Z	-15.436	5.75
66	MP3A	Mx	.009	5.75
67	MP3B	X	0	2
68	MP3B	Z	-11.513	2
69	MP3B	Mx	.002	2
70	MP3B	X	0	5.75
71	MP3B	Z	-11.513	5.75
72	MP3B	Mx	.002	5.75
73	MP3C	X	0	2
74	MP3C	Z	-11.513	2
75	MP3C	Mx	-.008	2
76	MP3C	X	0	5.75
77	MP3C	Z	-11.513	5.75
78	MP3C	Mx	-.008	5.75
79	MP4A	X	0	3
80	MP4A	Z	-7.145	3
81	MP4A	Mx	0	3
82	MP4B	X	0	3
83	MP4B	Z	-4.688	3
84	MP4B	Mx	-.002	3
85	MP4C	X	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP4C	Z	-4.688	3
87	MP4C	Mx	.002	3
88	MP2A	X	0	3
89	MP2A	Z	-7.145	3
90	MP2A	Mx	0	3
91	MP2B	X	0	3
92	MP2B	Z	-5.368	3
93	MP2B	Mx	-.002	3
94	MP2C	X	0	3
95	MP2C	Z	-5.368	3
96	MP2C	Mx	.002	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	3.806	2.25
2	MP1A	Z	-6.593	2.25
3	MP1A	Mx	-.002	2.25
4	MP1A	X	3.806	3.5
5	MP1A	Z	-6.593	3.5
6	MP1A	Mx	-.002	3.5
7	MP1B	X	1.758	2.25
8	MP1B	Z	-3.044	2.25
9	MP1B	Mx	.002	2.25
10	MP1B	X	1.758	3.5
11	MP1B	Z	-3.044	3.5
12	MP1B	Mx	.002	3.5
13	MP1C	X	3.806	2.25
14	MP1C	Z	-6.593	2.25
15	MP1C	Mx	-.002	2.25
16	MP1C	X	3.806	3.5
17	MP1C	Z	-6.593	3.5
18	MP1C	Mx	-.002	3.5
19	MP5A	X	8.079	1
20	MP5A	Z	-13.993	1
21	MP5A	Mx	-.004	1
22	MP5A	X	8.079	4.75
23	MP5A	Z	-13.993	4.75
24	MP5A	Mx	-.004	4.75
25	MP5B	X	5.865	1
26	MP5B	Z	-10.159	1
27	MP5B	Mx	.006	1
28	MP5B	X	5.865	4.75
29	MP5B	Z	-10.159	4.75
30	MP5B	Mx	.006	4.75
31	MP5C	X	8.079	1
32	MP5C	Z	-13.993	1
33	MP5C	Mx	-.004	1
34	MP5C	X	8.079	4.75
35	MP5C	Z	-13.993	4.75
36	MP5C	Mx	-.004	4.75
37	M101	X	5.396	1.5
38	M101	Z	-9.347	1.5
39	M101	Mx	0	1.5
40	M96	X	.243	0
41	M96	Z	-.421	0
42	M96	Mx	0	0

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP3A	X	7.064	2
44	MP3A	Z	-12.235	2
45	MP3A	Mx	-.011	2
46	MP3A	X	7.064	5.75
47	MP3A	Z	-12.235	5.75
48	MP3A	Mx	-.011	5.75
49	MP3B	X	5.102	2
50	MP3B	Z	-8.838	2
51	MP3B	Mx	.005	2
52	MP3B	X	5.102	5.75
53	MP3B	Z	-8.838	5.75
54	MP3B	Mx	.005	5.75
55	MP3C	X	7.064	2
56	MP3C	Z	-12.235	2
57	MP3C	Mx	.004	2
58	MP3C	X	7.064	5.75
59	MP3C	Z	-12.235	5.75
60	MP3C	Mx	.004	5.75
61	MP3A	X	7.064	2
62	MP3A	Z	-12.235	2
63	MP3A	Mx	.004	2
64	MP3A	X	7.064	5.75
65	MP3A	Z	-12.235	5.75
66	MP3A	Mx	.004	5.75
67	MP3B	X	5.102	2
68	MP3B	Z	-8.838	2
69	MP3B	Mx	.005	2
70	MP3B	X	5.102	5.75
71	MP3B	Z	-8.838	5.75
72	MP3B	Mx	.005	5.75
73	MP3C	X	7.064	2
74	MP3C	Z	-12.235	2
75	MP3C	Mx	-.011	2
76	MP3C	X	7.064	5.75
77	MP3C	Z	-12.235	5.75
78	MP3C	Mx	-.011	5.75
79	MP4A	X	3.163	3
80	MP4A	Z	-5.478	3
81	MP4A	Mx	.002	3
82	MP4B	X	1.934	3
83	MP4B	Z	-3.35	3
84	MP4B	Mx	-.002	3
85	MP4C	X	3.163	3
86	MP4C	Z	-5.478	3
87	MP4C	Mx	.002	3
88	MP2A	X	3.276	3
89	MP2A	Z	-5.675	3
90	MP2A	Mx	.002	3
91	MP2B	X	2.388	3
92	MP2B	Z	-4.136	3
93	MP2B	Mx	-.002	3
94	MP2C	X	3.276	3
95	MP2C	Z	-5.675	3
96	MP2C	Mx	.002	3

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	4.227	2.25
2	MP1A	Z	-2.441	2.25
3	MP1A	Mx	-.002	2.25
4	MP1A	X	4.227	3.5
5	MP1A	Z	-2.441	3.5
6	MP1A	Mx	-.002	3.5
7	MP1B	X	4.227	2.25
8	MP1B	Z	-2.441	2.25
9	MP1B	Mx	.002	2.25
10	MP1B	X	4.227	3.5
11	MP1B	Z	-2.441	3.5
12	MP1B	Mx	.002	3.5
13	MP1C	X	7.776	2.25
14	MP1C	Z	-4.489	2.25
15	MP1C	Mx	0	2.25
16	MP1C	X	7.776	3.5
17	MP1C	Z	-4.489	3.5
18	MP1C	Mx	0	3.5
19	MP5A	X	11.437	1
20	MP5A	Z	-6.603	1
21	MP5A	Mx	-.006	1
22	MP5A	X	11.437	4.75
23	MP5A	Z	-6.603	4.75
24	MP5A	Mx	-.006	4.75
25	MP5B	X	11.437	1
26	MP5B	Z	-6.603	1
27	MP5B	Mx	.006	1
28	MP5B	X	11.437	4.75
29	MP5B	Z	-6.603	4.75
30	MP5B	Mx	.006	4.75
31	MP5C	X	15.271	1
32	MP5C	Z	-8.817	1
33	MP5C	Mx	0	1
34	MP5C	X	15.271	4.75
35	MP5C	Z	-8.817	4.75
36	MP5C	Mx	0	4.75
37	M101	X	8.288	1.5
38	M101	Z	-4.785	1.5
39	M101	Mx	0	1.5
40	M96	X	.463	0
41	M96	Z	-.267	0
42	M96	Mx	0	0
43	MP3A	X	9.97	2
44	MP3A	Z	-5.756	2
45	MP3A	Mx	-.008	2
46	MP3A	X	9.97	5.75
47	MP3A	Z	-5.756	5.75
48	MP3A	Mx	-.008	5.75
49	MP3B	X	9.97	2
50	MP3B	Z	-5.756	2
51	MP3B	Mx	.002	2
52	MP3B	X	9.97	5.75
53	MP3B	Z	-5.756	5.75
54	MP3B	Mx	.002	5.75
55	MP3C	X	13.368	2
56	MP3C	Z	-7.718	2
57	MP3C	Mx	.009	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	13.368	5.75
59	MP3C	Z	-7.718	5.75
60	MP3C	Mx	.009	5.75
61	MP3A	X	9.97	2
62	MP3A	Z	-5.756	2
63	MP3A	Mx	-.002	2
64	MP3A	X	9.97	5.75
65	MP3A	Z	-5.756	5.75
66	MP3A	Mx	-.002	5.75
67	MP3B	X	9.97	2
68	MP3B	Z	-5.756	2
69	MP3B	Mx	.008	2
70	MP3B	X	9.97	5.75
71	MP3B	Z	-5.756	5.75
72	MP3B	Mx	.008	5.75
73	MP3C	X	13.368	2
74	MP3C	Z	-7.718	2
75	MP3C	Mx	-.009	2
76	MP3C	X	13.368	5.75
77	MP3C	Z	-7.718	5.75
78	MP3C	Mx	-.009	5.75
79	MP4A	X	4.06	3
80	MP4A	Z	-2.344	3
81	MP4A	Mx	.002	3
82	MP4B	X	4.06	3
83	MP4B	Z	-2.344	3
84	MP4B	Mx	-.002	3
85	MP4C	X	6.188	3
86	MP4C	Z	-3.572	3
87	MP4C	Mx	0	3
88	MP2A	X	4.649	3
89	MP2A	Z	-2.684	3
90	MP2A	Mx	.002	3
91	MP2B	X	4.649	3
92	MP2B	Z	-2.684	3
93	MP2B	Mx	-.002	3
94	MP2C	X	6.188	3
95	MP2C	Z	-3.572	3
96	MP2C	Mx	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	3.515	2.25
2	MP1A	Z	0	2.25
3	MP1A	Mx	-.002	2.25
4	MP1A	X	3.515	3.5
5	MP1A	Z	0	3.5
6	MP1A	Mx	-.002	3.5
7	MP1B	X	7.613	2.25
8	MP1B	Z	0	2.25
9	MP1B	Mx	.002	2.25
10	MP1B	X	7.613	3.5
11	MP1B	Z	0	3.5
12	MP1B	Mx	.002	3.5
13	MP1C	X	7.613	2.25
14	MP1C	Z	0	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP1C	Mx	.002	2.25
16	MP1C	X	7.613	3.5
17	MP1C	Z	0	3.5
18	MP1C	Mx	.002	3.5
19	MP5A	X	11.73	1
20	MP5A	Z	0	1
21	MP5A	Mx	-.006	1
22	MP5A	X	11.73	4.75
23	MP5A	Z	0	4.75
24	MP5A	Mx	-.006	4.75
25	MP5B	X	16.157	1
26	MP5B	Z	0	1
27	MP5B	Mx	.004	1
28	MP5B	X	16.157	4.75
29	MP5B	Z	0	4.75
30	MP5B	Mx	.004	4.75
31	MP5C	X	16.157	1
32	MP5C	Z	0	1
33	MP5C	Mx	.004	1
34	MP5C	X	16.157	4.75
35	MP5C	Z	0	4.75
36	MP5C	Mx	.004	4.75
37	M101	X	10.793	1.5
38	M101	Z	0	1.5
39	M101	Mx	0	1.5
40	M96	X	.486	0
41	M96	Z	0	0
42	M96	Mx	0	0
43	MP3A	X	10.205	2
44	MP3A	Z	0	2
45	MP3A	Mx	-.005	2
46	MP3A	X	10.205	5.75
47	MP3A	Z	0	5.75
48	MP3A	Mx	-.005	5.75
49	MP3B	X	14.128	2
50	MP3B	Z	0	2
51	MP3B	Mx	-.004	2
52	MP3B	X	14.128	5.75
53	MP3B	Z	0	5.75
54	MP3B	Mx	-.004	5.75
55	MP3C	X	14.128	2
56	MP3C	Z	0	2
57	MP3C	Mx	.011	2
58	MP3C	X	14.128	5.75
59	MP3C	Z	0	5.75
60	MP3C	Mx	.011	5.75
61	MP3A	X	10.205	2
62	MP3A	Z	0	2
63	MP3A	Mx	-.005	2
64	MP3A	X	10.205	5.75
65	MP3A	Z	0	5.75
66	MP3A	Mx	-.005	5.75
67	MP3B	X	14.128	2
68	MP3B	Z	0	2
69	MP3B	Mx	.011	2
70	MP3B	X	14.128	5.75
71	MP3B	Z	0	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP3B	Mx	.011	5.75
73	MP3C	X	14.128	2
74	MP3C	Z	0	2
75	MP3C	Mx	-.004	2
76	MP3C	X	14.128	5.75
77	MP3C	Z	0	5.75
78	MP3C	Mx	-.004	5.75
79	MP4A	X	3.869	3
80	MP4A	Z	0	3
81	MP4A	Mx	.002	3
82	MP4B	X	6.326	3
83	MP4B	Z	0	3
84	MP4B	Mx	-.002	3
85	MP4C	X	6.326	3
86	MP4C	Z	0	3
87	MP4C	Mx	-.002	3
88	MP2A	X	4.776	3
89	MP2A	Z	0	3
90	MP2A	Mx	.002	3
91	MP2B	X	6.553	3
92	MP2B	Z	0	3
93	MP2B	Mx	-.002	3
94	MP2C	X	6.553	3
95	MP2C	Z	0	3
96	MP2C	Mx	-.002	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	4.227	2.25
2	MP1A	Z	2.441	2.25
3	MP1A	Mx	-.002	2.25
4	MP1A	X	4.227	3.5
5	MP1A	Z	2.441	3.5
6	MP1A	Mx	-.002	3.5
7	MP1B	X	7.776	2.25
8	MP1B	Z	4.489	2.25
9	MP1B	Mx	0	2.25
10	MP1B	X	7.776	3.5
11	MP1B	Z	4.489	3.5
12	MP1B	Mx	0	3.5
13	MP1C	X	4.227	2.25
14	MP1C	Z	2.441	2.25
15	MP1C	Mx	.002	2.25
16	MP1C	X	4.227	3.5
17	MP1C	Z	2.441	3.5
18	MP1C	Mx	.002	3.5
19	MP5A	X	11.437	1
20	MP5A	Z	6.603	1
21	MP5A	Mx	-.006	1
22	MP5A	X	11.437	4.75
23	MP5A	Z	6.603	4.75
24	MP5A	Mx	-.006	4.75
25	MP5B	X	15.271	1
26	MP5B	Z	8.817	1
27	MP5B	Mx	0	1
28	MP5B	X	15.271	4.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP5B	Z	8.817	4.75
30	MP5B	Mx	0	4.75
31	MP5C	X	11.437	1
32	MP5C	Z	6.603	1
33	MP5C	Mx	.006	1
34	MP5C	X	11.437	4.75
35	MP5C	Z	6.603	4.75
36	MP5C	Mx	.006	4.75
37	M101	X	11.463	1.5
38	M101	Z	6.618	1.5
39	M101	Mx	0	1.5
40	M96	X	.339	0
41	M96	Z	.196	0
42	M96	Mx	0	0
43	MP3A	X	9.97	2
44	MP3A	Z	5.756	2
45	MP3A	Mx	-.002	2
46	MP3A	X	9.97	5.75
47	MP3A	Z	5.756	5.75
48	MP3A	Mx	-.002	5.75
49	MP3B	X	13.368	2
50	MP3B	Z	7.718	2
51	MP3B	Mx	-.009	2
52	MP3B	X	13.368	5.75
53	MP3B	Z	7.718	5.75
54	MP3B	Mx	-.009	5.75
55	MP3C	X	9.97	2
56	MP3C	Z	5.756	2
57	MP3C	Mx	.008	2
58	MP3C	X	9.97	5.75
59	MP3C	Z	5.756	5.75
60	MP3C	Mx	.008	5.75
61	MP3A	X	9.97	2
62	MP3A	Z	5.756	2
63	MP3A	Mx	-.008	2
64	MP3A	X	9.97	5.75
65	MP3A	Z	5.756	5.75
66	MP3A	Mx	-.008	5.75
67	MP3B	X	13.368	2
68	MP3B	Z	7.718	2
69	MP3B	Mx	.009	2
70	MP3B	X	13.368	5.75
71	MP3B	Z	7.718	5.75
72	MP3B	Mx	.009	5.75
73	MP3C	X	9.97	2
74	MP3C	Z	5.756	2
75	MP3C	Mx	.002	2
76	MP3C	X	9.97	5.75
77	MP3C	Z	5.756	5.75
78	MP3C	Mx	.002	5.75
79	MP4A	X	4.06	3
80	MP4A	Z	2.344	3
81	MP4A	Mx	.002	3
82	MP4B	X	6.188	3
83	MP4B	Z	3.572	3
84	MP4B	Mx	0	3
85	MP4C	X	4.06	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP4C	Z	2.344	3
87	MP4C	Mx	-.002	3
88	MP2A	X	4.649	3
89	MP2A	Z	2.684	3
90	MP2A	Mx	.002	3
91	MP2B	X	6.188	3
92	MP2B	Z	3.572	3
93	MP2B	Mx	0	3
94	MP2C	X	4.649	3
95	MP2C	Z	2.684	3
96	MP2C	Mx	-.002	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	3.806	2.25
2	MP1A	Z	6.593	2.25
3	MP1A	Mx	-.002	2.25
4	MP1A	X	3.806	3.5
5	MP1A	Z	6.593	3.5
6	MP1A	Mx	-.002	3.5
7	MP1B	X	3.806	2.25
8	MP1B	Z	6.593	2.25
9	MP1B	Mx	-.002	2.25
10	MP1B	X	3.806	3.5
11	MP1B	Z	6.593	3.5
12	MP1B	Mx	-.002	3.5
13	MP1C	X	1.758	2.25
14	MP1C	Z	3.044	2.25
15	MP1C	Mx	.002	2.25
16	MP1C	X	1.758	3.5
17	MP1C	Z	3.044	3.5
18	MP1C	Mx	.002	3.5
19	MP5A	X	8.079	1
20	MP5A	Z	13.993	1
21	MP5A	Mx	-.004	1
22	MP5A	X	8.079	4.75
23	MP5A	Z	13.993	4.75
24	MP5A	Mx	-.004	4.75
25	MP5B	X	8.079	1
26	MP5B	Z	13.993	1
27	MP5B	Mx	-.004	1
28	MP5B	X	8.079	4.75
29	MP5B	Z	13.993	4.75
30	MP5B	Mx	-.004	4.75
31	MP5C	X	5.865	1
32	MP5C	Z	10.159	1
33	MP5C	Mx	.006	1
34	MP5C	X	5.865	4.75
35	MP5C	Z	10.159	4.75
36	MP5C	Mx	.006	4.75
37	M101	X	7.229	1.5
38	M101	Z	12.522	1.5
39	M101	Mx	0	1.5
40	M96	X	.172	0
41	M96	Z	.297	0
42	M96	Mx	0	0

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP3A	X	7.064	2
44	MP3A	Z	12.235	2
45	MP3A	Mx	.004	2
46	MP3A	X	7.064	5.75
47	MP3A	Z	12.235	5.75
48	MP3A	Mx	.004	5.75
49	MP3B	X	7.064	2
50	MP3B	Z	12.235	2
51	MP3B	Mx	-.011	2
52	MP3B	X	7.064	5.75
53	MP3B	Z	12.235	5.75
54	MP3B	Mx	-.011	5.75
55	MP3C	X	5.102	2
56	MP3C	Z	8.838	2
57	MP3C	Mx	.005	2
58	MP3C	X	5.102	5.75
59	MP3C	Z	8.838	5.75
60	MP3C	Mx	.005	5.75
61	MP3A	X	7.064	2
62	MP3A	Z	12.235	2
63	MP3A	Mx	-.011	2
64	MP3A	X	7.064	5.75
65	MP3A	Z	12.235	5.75
66	MP3A	Mx	-.011	5.75
67	MP3B	X	7.064	2
68	MP3B	Z	12.235	2
69	MP3B	Mx	.004	2
70	MP3B	X	7.064	5.75
71	MP3B	Z	12.235	5.75
72	MP3B	Mx	.004	5.75
73	MP3C	X	5.102	2
74	MP3C	Z	8.838	2
75	MP3C	Mx	.005	2
76	MP3C	X	5.102	5.75
77	MP3C	Z	8.838	5.75
78	MP3C	Mx	.005	5.75
79	MP4A	X	3.163	3
80	MP4A	Z	5.478	3
81	MP4A	Mx	.002	3
82	MP4B	X	3.163	3
83	MP4B	Z	5.478	3
84	MP4B	Mx	.002	3
85	MP4C	X	1.934	3
86	MP4C	Z	3.35	3
87	MP4C	Mx	-.002	3
88	MP2A	X	3.276	3
89	MP2A	Z	5.675	3
90	MP2A	Mx	.002	3
91	MP2B	X	3.276	3
92	MP2B	Z	5.675	3
93	MP2B	Mx	.002	3
94	MP2C	X	2.388	3
95	MP2C	Z	4.136	3
96	MP2C	Mx	-.002	3

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	2.25
2	MP1A	Z	8.979	2.25
3	MP1A	Mx	0	2.25
4	MP1A	X	0	3.5
5	MP1A	Z	8.979	3.5
6	MP1A	Mx	0	3.5
7	MP1B	X	0	2.25
8	MP1B	Z	4.881	2.25
9	MP1B	Mx	-.002	2.25
10	MP1B	X	0	3.5
11	MP1B	Z	4.881	3.5
12	MP1B	Mx	-.002	3.5
13	MP1C	X	0	2.25
14	MP1C	Z	4.881	2.25
15	MP1C	Mx	.002	2.25
16	MP1C	X	0	3.5
17	MP1C	Z	4.881	3.5
18	MP1C	Mx	.002	3.5
19	MP5A	X	0	1
20	MP5A	Z	17.633	1
21	MP5A	Mx	0	1
22	MP5A	X	0	4.75
23	MP5A	Z	17.633	4.75
24	MP5A	Mx	0	4.75
25	MP5B	X	0	1
26	MP5B	Z	13.206	1
27	MP5B	Mx	-.006	1
28	MP5B	X	0	4.75
29	MP5B	Z	13.206	4.75
30	MP5B	Mx	-.006	4.75
31	MP5C	X	0	1
32	MP5C	Z	13.206	1
33	MP5C	Mx	.006	1
34	MP5C	X	0	4.75
35	MP5C	Z	13.206	4.75
36	MP5C	Mx	.006	4.75
37	M101	X	0	1.5
38	M101	Z	13.237	1.5
39	M101	Mx	0	1.5
40	M96	X	0	0
41	M96	Z	.391	0
42	M96	Mx	0	0
43	MP3A	X	0	2
44	MP3A	Z	15.436	2
45	MP3A	Mx	.009	2
46	MP3A	X	0	5.75
47	MP3A	Z	15.436	5.75
48	MP3A	Mx	.009	5.75
49	MP3B	X	0	2
50	MP3B	Z	11.513	2
51	MP3B	Mx	-.008	2
52	MP3B	X	0	5.75
53	MP3B	Z	11.513	5.75
54	MP3B	Mx	-.008	5.75
55	MP3C	X	0	2
56	MP3C	Z	11.513	2
57	MP3C	Mx	.002	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	0	5.75
59	MP3C	Z	11.513	5.75
60	MP3C	Mx	.002	5.75
61	MP3A	X	0	2
62	MP3A	Z	15.436	2
63	MP3A	Mx	-.009	2
64	MP3A	X	0	5.75
65	MP3A	Z	15.436	5.75
66	MP3A	Mx	-.009	5.75
67	MP3B	X	0	2
68	MP3B	Z	11.513	2
69	MP3B	Mx	-.002	2
70	MP3B	X	0	5.75
71	MP3B	Z	11.513	5.75
72	MP3B	Mx	-.002	5.75
73	MP3C	X	0	2
74	MP3C	Z	11.513	2
75	MP3C	Mx	.008	2
76	MP3C	X	0	5.75
77	MP3C	Z	11.513	5.75
78	MP3C	Mx	.008	5.75
79	MP4A	X	0	3
80	MP4A	Z	7.145	3
81	MP4A	Mx	0	3
82	MP4B	X	0	3
83	MP4B	Z	4.688	3
84	MP4B	Mx	.002	3
85	MP4C	X	0	3
86	MP4C	Z	4.688	3
87	MP4C	Mx	-.002	3
88	MP2A	X	0	3
89	MP2A	Z	7.145	3
90	MP2A	Mx	0	3
91	MP2B	X	0	3
92	MP2B	Z	5.368	3
93	MP2B	Mx	.002	3
94	MP2C	X	0	3
95	MP2C	Z	5.368	3
96	MP2C	Mx	-.002	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-3.806	2.25
2	MP1A	Z	6.593	2.25
3	MP1A	Mx	.002	2.25
4	MP1A	X	-3.806	3.5
5	MP1A	Z	6.593	3.5
6	MP1A	Mx	.002	3.5
7	MP1B	X	-1.758	2.25
8	MP1B	Z	3.044	2.25
9	MP1B	Mx	-.002	2.25
10	MP1B	X	-1.758	3.5
11	MP1B	Z	3.044	3.5
12	MP1B	Mx	-.002	3.5
13	MP1C	X	-3.806	2.25
14	MP1C	Z	6.593	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP1C	Mx	.002	2.25
16	MP1C	X	-3.806	3.5
17	MP1C	Z	6.593	3.5
18	MP1C	Mx	.002	3.5
19	MP5A	X	-8.079	1
20	MP5A	Z	13.993	1
21	MP5A	Mx	.004	1
22	MP5A	X	-8.079	4.75
23	MP5A	Z	13.993	4.75
24	MP5A	Mx	.004	4.75
25	MP5B	X	-5.865	1
26	MP5B	Z	10.159	1
27	MP5B	Mx	-.006	1
28	MP5B	X	-5.865	4.75
29	MP5B	Z	10.159	4.75
30	MP5B	Mx	-.006	4.75
31	MP5C	X	-8.079	1
32	MP5C	Z	13.993	1
33	MP5C	Mx	.004	1
34	MP5C	X	-8.079	4.75
35	MP5C	Z	13.993	4.75
36	MP5C	Mx	.004	4.75
37	M101	X	-5.396	1.5
38	M101	Z	9.347	1.5
39	M101	Mx	0	1.5
40	M96	X	-.243	0
41	M96	Z	.421	0
42	M96	Mx	0	0
43	MP3A	X	-7.064	2
44	MP3A	Z	12.235	2
45	MP3A	Mx	.011	2
46	MP3A	X	-7.064	5.75
47	MP3A	Z	12.235	5.75
48	MP3A	Mx	.011	5.75
49	MP3B	X	-5.102	2
50	MP3B	Z	8.838	2
51	MP3B	Mx	-.005	2
52	MP3B	X	-5.102	5.75
53	MP3B	Z	8.838	5.75
54	MP3B	Mx	-.005	5.75
55	MP3C	X	-7.064	2
56	MP3C	Z	12.235	2
57	MP3C	Mx	-.004	2
58	MP3C	X	-7.064	5.75
59	MP3C	Z	12.235	5.75
60	MP3C	Mx	-.004	5.75
61	MP3A	X	-7.064	2
62	MP3A	Z	12.235	2
63	MP3A	Mx	-.004	2
64	MP3A	X	-7.064	5.75
65	MP3A	Z	12.235	5.75
66	MP3A	Mx	-.004	5.75
67	MP3B	X	-5.102	2
68	MP3B	Z	8.838	2
69	MP3B	Mx	-.005	2
70	MP3B	X	-5.102	5.75
71	MP3B	Z	8.838	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP3B	Mx	-.005	5.75
73	MP3C	X	-7.064	2
74	MP3C	Z	12.235	2
75	MP3C	Mx	.011	2
76	MP3C	X	-7.064	5.75
77	MP3C	Z	12.235	5.75
78	MP3C	Mx	.011	5.75
79	MP4A	X	-3.163	3
80	MP4A	Z	5.478	3
81	MP4A	Mx	-.002	3
82	MP4B	X	-1.934	3
83	MP4B	Z	3.35	3
84	MP4B	Mx	.002	3
85	MP4C	X	-3.163	3
86	MP4C	Z	5.478	3
87	MP4C	Mx	-.002	3
88	MP2A	X	-3.276	3
89	MP2A	Z	5.675	3
90	MP2A	Mx	-.002	3
91	MP2B	X	-2.388	3
92	MP2B	Z	4.136	3
93	MP2B	Mx	.002	3
94	MP2C	X	-3.276	3
95	MP2C	Z	5.675	3
96	MP2C	Mx	-.002	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-4.227	2.25
2	MP1A	Z	2.441	2.25
3	MP1A	Mx	.002	2.25
4	MP1A	X	-4.227	3.5
5	MP1A	Z	2.441	3.5
6	MP1A	Mx	.002	3.5
7	MP1B	X	-4.227	2.25
8	MP1B	Z	2.441	2.25
9	MP1B	Mx	-.002	2.25
10	MP1B	X	-4.227	3.5
11	MP1B	Z	2.441	3.5
12	MP1B	Mx	-.002	3.5
13	MP1C	X	-7.776	2.25
14	MP1C	Z	4.489	2.25
15	MP1C	Mx	0	2.25
16	MP1C	X	-7.776	3.5
17	MP1C	Z	4.489	3.5
18	MP1C	Mx	0	3.5
19	MP5A	X	-11.437	1
20	MP5A	Z	6.603	1
21	MP5A	Mx	.006	1
22	MP5A	X	-11.437	4.75
23	MP5A	Z	6.603	4.75
24	MP5A	Mx	.006	4.75
25	MP5B	X	-11.437	1
26	MP5B	Z	6.603	1
27	MP5B	Mx	-.006	1
28	MP5B	X	-11.437	4.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP5B	Z	6.603	4.75
30	MP5B	Mx	-.006	4.75
31	MP5C	X	-15.271	1
32	MP5C	Z	8.817	1
33	MP5C	Mx	0	1
34	MP5C	X	-15.271	4.75
35	MP5C	Z	8.817	4.75
36	MP5C	Mx	0	4.75
37	M101	X	-8.288	1.5
38	M101	Z	4.785	1.5
39	M101	Mx	0	1.5
40	M96	X	-.463	0
41	M96	Z	.267	0
42	M96	Mx	0	0
43	MP3A	X	-9.97	2
44	MP3A	Z	5.756	2
45	MP3A	Mx	.008	2
46	MP3A	X	-9.97	5.75
47	MP3A	Z	5.756	5.75
48	MP3A	Mx	.008	5.75
49	MP3B	X	-9.97	2
50	MP3B	Z	5.756	2
51	MP3B	Mx	-.002	2
52	MP3B	X	-9.97	5.75
53	MP3B	Z	5.756	5.75
54	MP3B	Mx	-.002	5.75
55	MP3C	X	-13.368	2
56	MP3C	Z	7.718	2
57	MP3C	Mx	-.009	2
58	MP3C	X	-13.368	5.75
59	MP3C	Z	7.718	5.75
60	MP3C	Mx	-.009	5.75
61	MP3A	X	-9.97	2
62	MP3A	Z	5.756	2
63	MP3A	Mx	.002	2
64	MP3A	X	-9.97	5.75
65	MP3A	Z	5.756	5.75
66	MP3A	Mx	.002	5.75
67	MP3B	X	-9.97	2
68	MP3B	Z	5.756	2
69	MP3B	Mx	-.008	2
70	MP3B	X	-9.97	5.75
71	MP3B	Z	5.756	5.75
72	MP3B	Mx	-.008	5.75
73	MP3C	X	-13.368	2
74	MP3C	Z	7.718	2
75	MP3C	Mx	.009	2
76	MP3C	X	-13.368	5.75
77	MP3C	Z	7.718	5.75
78	MP3C	Mx	.009	5.75
79	MP4A	X	-4.06	3
80	MP4A	Z	2.344	3
81	MP4A	Mx	-.002	3
82	MP4B	X	-4.06	3
83	MP4B	Z	2.344	3
84	MP4B	Mx	.002	3
85	MP4C	X	-6.188	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP4C	Z	3.572	3
87	MP4C	Mx	0	3
88	MP2A	X	-4.649	3
89	MP2A	Z	2.684	3
90	MP2A	Mx	-.002	3
91	MP2B	X	-4.649	3
92	MP2B	Z	2.684	3
93	MP2B	Mx	.002	3
94	MP2C	X	-6.188	3
95	MP2C	Z	3.572	3
96	MP2C	Mx	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-3.515	2.25
2	MP1A	Z	0	2.25
3	MP1A	Mx	.002	2.25
4	MP1A	X	-3.515	3.5
5	MP1A	Z	0	3.5
6	MP1A	Mx	.002	3.5
7	MP1B	X	-7.613	2.25
8	MP1B	Z	0	2.25
9	MP1B	Mx	-.002	2.25
10	MP1B	X	-7.613	3.5
11	MP1B	Z	0	3.5
12	MP1B	Mx	-.002	3.5
13	MP1C	X	-7.613	2.25
14	MP1C	Z	0	2.25
15	MP1C	Mx	-.002	2.25
16	MP1C	X	-7.613	3.5
17	MP1C	Z	0	3.5
18	MP1C	Mx	-.002	3.5
19	MP5A	X	-11.73	1
20	MP5A	Z	0	1
21	MP5A	Mx	.006	1
22	MP5A	X	-11.73	4.75
23	MP5A	Z	0	4.75
24	MP5A	Mx	.006	4.75
25	MP5B	X	-16.157	1
26	MP5B	Z	0	1
27	MP5B	Mx	-.004	1
28	MP5B	X	-16.157	4.75
29	MP5B	Z	0	4.75
30	MP5B	Mx	-.004	4.75
31	MP5C	X	-16.157	1
32	MP5C	Z	0	1
33	MP5C	Mx	-.004	1
34	MP5C	X	-16.157	4.75
35	MP5C	Z	0	4.75
36	MP5C	Mx	-.004	4.75
37	M101	X	-10.793	1.5
38	M101	Z	0	1.5
39	M101	Mx	0	1.5
40	M96	X	-.486	0
41	M96	Z	0	0
42	M96	Mx	0	0

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP3A	X	-10.205	2
44	MP3A	Z	0	2
45	MP3A	Mx	.005	2
46	MP3A	X	-10.205	5.75
47	MP3A	Z	0	5.75
48	MP3A	Mx	.005	5.75
49	MP3B	X	-14.128	2
50	MP3B	Z	0	2
51	MP3B	Mx	.004	2
52	MP3B	X	-14.128	5.75
53	MP3B	Z	0	5.75
54	MP3B	Mx	.004	5.75
55	MP3C	X	-14.128	2
56	MP3C	Z	0	2
57	MP3C	Mx	-.011	2
58	MP3C	X	-14.128	5.75
59	MP3C	Z	0	5.75
60	MP3C	Mx	-.011	5.75
61	MP3A	X	-10.205	2
62	MP3A	Z	0	2
63	MP3A	Mx	.005	2
64	MP3A	X	-10.205	5.75
65	MP3A	Z	0	5.75
66	MP3A	Mx	.005	5.75
67	MP3B	X	-14.128	2
68	MP3B	Z	0	2
69	MP3B	Mx	-.011	2
70	MP3B	X	-14.128	5.75
71	MP3B	Z	0	5.75
72	MP3B	Mx	-.011	5.75
73	MP3C	X	-14.128	2
74	MP3C	Z	0	2
75	MP3C	Mx	.004	2
76	MP3C	X	-14.128	5.75
77	MP3C	Z	0	5.75
78	MP3C	Mx	.004	5.75
79	MP4A	X	-3.869	3
80	MP4A	Z	0	3
81	MP4A	Mx	-.002	3
82	MP4B	X	-6.326	3
83	MP4B	Z	0	3
84	MP4B	Mx	.002	3
85	MP4C	X	-6.326	3
86	MP4C	Z	0	3
87	MP4C	Mx	.002	3
88	MP2A	X	-4.776	3
89	MP2A	Z	0	3
90	MP2A	Mx	-.002	3
91	MP2B	X	-6.553	3
92	MP2B	Z	0	3
93	MP2B	Mx	.002	3
94	MP2C	X	-6.553	3
95	MP2C	Z	0	3
96	MP2C	Mx	.002	3

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-4.227	2.25
2	MP1A	Z	-2.441	2.25
3	MP1A	Mx	.002	2.25
4	MP1A	X	-4.227	3.5
5	MP1A	Z	-2.441	3.5
6	MP1A	Mx	.002	3.5
7	MP1B	X	-7.776	2.25
8	MP1B	Z	-4.489	2.25
9	MP1B	Mx	0	2.25
10	MP1B	X	-7.776	3.5
11	MP1B	Z	-4.489	3.5
12	MP1B	Mx	0	3.5
13	MP1C	X	-4.227	2.25
14	MP1C	Z	-2.441	2.25
15	MP1C	Mx	-.002	2.25
16	MP1C	X	-4.227	3.5
17	MP1C	Z	-2.441	3.5
18	MP1C	Mx	-.002	3.5
19	MP5A	X	-11.437	1
20	MP5A	Z	-6.603	1
21	MP5A	Mx	.006	1
22	MP5A	X	-11.437	4.75
23	MP5A	Z	-6.603	4.75
24	MP5A	Mx	.006	4.75
25	MP5B	X	-15.271	1
26	MP5B	Z	-8.817	1
27	MP5B	Mx	0	1
28	MP5B	X	-15.271	4.75
29	MP5B	Z	-8.817	4.75
30	MP5B	Mx	0	4.75
31	MP5C	X	-11.437	1
32	MP5C	Z	-6.603	1
33	MP5C	Mx	-.006	1
34	MP5C	X	-11.437	4.75
35	MP5C	Z	-6.603	4.75
36	MP5C	Mx	-.006	4.75
37	M101	X	-11.463	1.5
38	M101	Z	-6.618	1.5
39	M101	Mx	0	1.5
40	M96	X	-.339	0
41	M96	Z	-.196	0
42	M96	Mx	0	0
43	MP3A	X	-9.97	2
44	MP3A	Z	-5.756	2
45	MP3A	Mx	.002	2
46	MP3A	X	-9.97	5.75
47	MP3A	Z	-5.756	5.75
48	MP3A	Mx	.002	5.75
49	MP3B	X	-13.368	2
50	MP3B	Z	-7.718	2
51	MP3B	Mx	.009	2
52	MP3B	X	-13.368	5.75
53	MP3B	Z	-7.718	5.75
54	MP3B	Mx	.009	5.75
55	MP3C	X	-9.97	2
56	MP3C	Z	-5.756	2
57	MP3C	Mx	-.008	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	-9.97	5.75
59	MP3C	Z	-5.756	5.75
60	MP3C	Mx	-.008	5.75
61	MP3A	X	-9.97	2
62	MP3A	Z	-5.756	2
63	MP3A	Mx	.008	2
64	MP3A	X	-9.97	5.75
65	MP3A	Z	-5.756	5.75
66	MP3A	Mx	.008	5.75
67	MP3B	X	-13.368	2
68	MP3B	Z	-7.718	2
69	MP3B	Mx	-.009	2
70	MP3B	X	-13.368	5.75
71	MP3B	Z	-7.718	5.75
72	MP3B	Mx	-.009	5.75
73	MP3C	X	-9.97	2
74	MP3C	Z	-5.756	2
75	MP3C	Mx	-.002	2
76	MP3C	X	-9.97	5.75
77	MP3C	Z	-5.756	5.75
78	MP3C	Mx	-.002	5.75
79	MP4A	X	-4.06	3
80	MP4A	Z	-2.344	3
81	MP4A	Mx	-.002	3
82	MP4B	X	-6.188	3
83	MP4B	Z	-3.572	3
84	MP4B	Mx	0	3
85	MP4C	X	-4.06	3
86	MP4C	Z	-2.344	3
87	MP4C	Mx	.002	3
88	MP2A	X	-4.649	3
89	MP2A	Z	-2.684	3
90	MP2A	Mx	-.002	3
91	MP2B	X	-6.188	3
92	MP2B	Z	-3.572	3
93	MP2B	Mx	0	3
94	MP2C	X	-4.649	3
95	MP2C	Z	-2.684	3
96	MP2C	Mx	.002	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-3.806	2.25
2	MP1A	Z	-6.593	2.25
3	MP1A	Mx	.002	2.25
4	MP1A	X	-3.806	3.5
5	MP1A	Z	-6.593	3.5
6	MP1A	Mx	.002	3.5
7	MP1B	X	-3.806	2.25
8	MP1B	Z	-6.593	2.25
9	MP1B	Mx	.002	2.25
10	MP1B	X	-3.806	3.5
11	MP1B	Z	-6.593	3.5
12	MP1B	Mx	.002	3.5
13	MP1C	X	-1.758	2.25
14	MP1C	Z	-3.044	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP1C	Mx	-.002	2.25
16	MP1C	X	-1.758	3.5
17	MP1C	Z	-3.044	3.5
18	MP1C	Mx	-.002	3.5
19	MP5A	X	-8.079	1
20	MP5A	Z	-13.993	1
21	MP5A	Mx	.004	1
22	MP5A	X	-8.079	4.75
23	MP5A	Z	-13.993	4.75
24	MP5A	Mx	.004	4.75
25	MP5B	X	-8.079	1
26	MP5B	Z	-13.993	1
27	MP5B	Mx	.004	1
28	MP5B	X	-8.079	4.75
29	MP5B	Z	-13.993	4.75
30	MP5B	Mx	.004	4.75
31	MP5C	X	-5.865	1
32	MP5C	Z	-10.159	1
33	MP5C	Mx	-.006	1
34	MP5C	X	-5.865	4.75
35	MP5C	Z	-10.159	4.75
36	MP5C	Mx	-.006	4.75
37	M101	X	-7.229	1.5
38	M101	Z	-12.522	1.5
39	M101	Mx	0	1.5
40	M96	X	-.172	0
41	M96	Z	-.297	0
42	M96	Mx	0	0
43	MP3A	X	-7.064	2
44	MP3A	Z	-12.235	2
45	MP3A	Mx	-.004	2
46	MP3A	X	-7.064	5.75
47	MP3A	Z	-12.235	5.75
48	MP3A	Mx	-.004	5.75
49	MP3B	X	-7.064	2
50	MP3B	Z	-12.235	2
51	MP3B	Mx	.011	2
52	MP3B	X	-7.064	5.75
53	MP3B	Z	-12.235	5.75
54	MP3B	Mx	.011	5.75
55	MP3C	X	-5.102	2
56	MP3C	Z	-8.838	2
57	MP3C	Mx	-.005	2
58	MP3C	X	-5.102	5.75
59	MP3C	Z	-8.838	5.75
60	MP3C	Mx	-.005	5.75
61	MP3A	X	-7.064	2
62	MP3A	Z	-12.235	2
63	MP3A	Mx	.011	2
64	MP3A	X	-7.064	5.75
65	MP3A	Z	-12.235	5.75
66	MP3A	Mx	.011	5.75
67	MP3B	X	-7.064	2
68	MP3B	Z	-12.235	2
69	MP3B	Mx	-.004	2
70	MP3B	X	-7.064	5.75
71	MP3B	Z	-12.235	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP3B	Mx	-.004	5.75
73	MP3C	X	-5.102	2
74	MP3C	Z	-8.838	2
75	MP3C	Mx	-.005	2
76	MP3C	X	-5.102	5.75
77	MP3C	Z	-8.838	5.75
78	MP3C	Mx	-.005	5.75
79	MP4A	X	-3.163	3
80	MP4A	Z	-5.478	3
81	MP4A	Mx	-.002	3
82	MP4B	X	-3.163	3
83	MP4B	Z	-5.478	3
84	MP4B	Mx	-.002	3
85	MP4C	X	-1.934	3
86	MP4C	Z	-3.35	3
87	MP4C	Mx	.002	3
88	MP2A	X	-3.276	3
89	MP2A	Z	-5.675	3
90	MP2A	Mx	-.002	3
91	MP2B	X	-3.276	3
92	MP2B	Z	-5.675	3
93	MP2B	Mx	-.002	3
94	MP2C	X	-2.388	3
95	MP2C	Z	-4.136	3
96	MP2C	Mx	.002	3

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M7	Y	-500	%98

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M7	Y	-500	%50

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M7	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M7	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	M5	Y	-20.365	-20.365	0	%100
2	M7	Y	-24.426	-24.426	0	%100
3	M29	Y	-13.098	-13.098	0	%100
4	M80	Y	-23.921	-23.921	0	%100
5	M81	Y	-23.921	-23.921	0	%100
6	M82	Y	-23.921	-23.921	0	%100
7	M51	Y	-24.426	-24.426	0	%100
8	M53	Y	-24.426	-24.426	0	%100
9	MP1A	Y	-11.791	-11.791	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
10	MP2A	Y	-11.791	-11.791	0	%100
11	MP4A	Y	-11.791	-11.791	0	%100
12	MP5A	Y	-11.791	-11.791	0	%100
13	MP3A	Y	-13.098	-13.098	0	%100
14	MP1C	Y	-11.791	-11.791	0	%100
15	MP2C	Y	-11.791	-11.791	0	%100
16	MP4C	Y	-11.791	-11.791	0	%100
17	MP5C	Y	-11.791	-11.791	0	%100
18	MP3C	Y	-13.098	-13.098	0	%100
19	MP1B	Y	-11.791	-11.791	0	%100
20	MP2B	Y	-11.791	-11.791	0	%100
21	MP4B	Y	-11.791	-11.791	0	%100
22	MP5B	Y	-11.791	-11.791	0	%100
23	MP3B	Y	-13.098	-13.098	0	%100
24	M101	Y	-11.791	-11.791	0	%100
25	M106A	Y	-20.365	-20.365	0	%100
26	M107A	Y	-20.365	-20.365	0	%100
27	M85	Y	-18.714	-18.714	0	%100
28	M86A	Y	-24.426	-24.426	0	%100
29	M87	Y	-18.714	-18.714	0	%100
30	M89B	Y	-18.714	-18.714	0	%100
31	M90A	Y	-24.426	-24.426	0	%100
32	M91A	Y	-18.714	-18.714	0	%100
33	M93	Y	-18.714	-18.714	0	%100
34	M94A	Y	-24.426	-24.426	0	%100
35	M95A	Y	-18.714	-18.714	0	%100
36	M89C	Y	-6.893	-6.893	0	%100
37	M90B	Y	-6.893	-6.893	0	%100
38	M90C	Y	-6.893	-6.893	0	%100
39	M91B	Y	-6.893	-6.893	0	%100
40	M96	Y	-9.923	-9.923	0	%100
41	M99	Y	-6.893	-6.893	0	%100
42	M100A	Y	-6.893	-6.893	0	%100
43	M103A	Y	-11.791	-11.791	0	%100
44	M106	Y	-6.893	-6.893	0	%100
45	M107	Y	-6.893	-6.893	0	%100
46	M112	Y	-6.893	-6.893	0	%100
47	M113	Y	-6.893	-6.893	0	%100
48	M116	Y	-11.791	-11.791	0	%100
49	M119	Y	-6.893	-6.893	0	%100
50	M120	Y	-6.893	-6.893	0	%100
51	M125	Y	-6.893	-6.893	0	%100
52	M126	Y	-6.893	-6.893	0	%100
53	M129	Y	-11.791	-11.791	0	%100
54	M132	Y	-6.893	-6.893	0	%100
55	M133	Y	-6.893	-6.893	0	%100
56	M125A	Y	-13.098	-13.098	0	%100
57	M126A	Y	-13.098	-13.098	0	%100
58	M133A	Y	-16.671	-16.671	0	%100
59	M136	Y	-23.221	-23.221	0	%100
60	M137	Y	-23.221	-23.221	0	%100
61	M138	Y	-23.221	-23.221	0	%100
62	M137B	Y	-16.671	-16.671	0	%100
63	M138A	Y	-16.671	-16.671	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,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M5	X	0	0	0	%100
2	M5	Z	0	0	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	-55.981	-55.981	0	%100
5	M29	X	0	0	0	%100
6	M29	Z	-16.117	-16.117	0	%100
7	M80	X	0	0	0	%100
8	M80	Z	-2.803	-2.803	0	%100
9	M81	X	0	0	0	%100
10	M81	Z	-.701	-.701	0	%100
11	M82	X	0	0	0	%100
12	M82	Z	-.701	-.701	0	%100
13	M51	X	0	0	0	%100
14	M51	Z	-13.995	-13.995	0	%100
15	M53	X	0	0	0	%100
16	M53	Z	-13.995	-13.995	0	%100
17	MP1A	X	0	0	0	%100
18	MP1A	Z	-13.314	-13.314	0	%100
19	MP2A	X	0	0	0	%100
20	MP2A	Z	-13.314	-13.314	0	%100
21	MP4A	X	0	0	0	%100
22	MP4A	Z	-13.314	-13.314	0	%100
23	MP5A	X	0	0	0	%100
24	MP5A	Z	-13.314	-13.314	0	%100
25	MP3A	X	0	0	0	%100
26	MP3A	Z	-16.117	-16.117	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	-13.314	-13.314	0	%100
29	MP2C	X	0	0	0	%100
30	MP2C	Z	-13.314	-13.314	0	%100
31	MP4C	X	0	0	0	%100
32	MP4C	Z	-13.314	-13.314	0	%100
33	MP5C	X	0	0	0	%100
34	MP5C	Z	-13.314	-13.314	0	%100
35	MP3C	X	0	0	0	%100
36	MP3C	Z	-16.117	-16.117	0	%100
37	MP1B	X	0	0	0	%100
38	MP1B	Z	-13.314	-13.314	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	-13.314	-13.314	0	%100
41	MP4B	X	0	0	0	%100
42	MP4B	Z	-13.314	-13.314	0	%100
43	MP5B	X	0	0	0	%100
44	MP5B	Z	-13.314	-13.314	0	%100
45	MP3B	X	0	0	0	%100
46	MP3B	Z	-16.117	-16.117	0	%100
47	M101	X	0	0	0	%100
48	M101	Z	-10.887	-10.887	0	%100
49	M106A	X	0	0	0	%100
50	M106A	Z	-15.815	-15.815	0	%100
51	M107A	X	0	0	0	%100
52	M107A	Z	-15.815	-15.815	0	%100
53	M85	X	0	0	0	%100
54	M85	Z	-28.029	-28.029	0	%100
55	M86A	X	0	0	0	%100
56	M86A	Z	-28.571	-28.571	0	%100
57	M87	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M87	Z	-28.029	-28.029	0	%100
59	M89B	X	0	0	0	%100
60	M89B	Z	-7.007	-7.007	0	%100
61	M90A	X	0	0	0	%100
62	M90A	Z	-7.143	-7.143	0	%100
63	M91A	X	0	0	0	%100
64	M91A	Z	-7.007	-7.007	0	%100
65	M93	X	0	0	0	%100
66	M93	Z	-7.007	-7.007	0	%100
67	M94A	X	0	0	0	%100
68	M94A	Z	-7.143	-7.143	0	%100
69	M95A	X	0	0	0	%100
70	M95A	Z	-7.007	-7.007	0	%100
71	M89C	X	0	0	0	%100
72	M89C	Z	-.532	-.532	0	%100
73	M90B	X	0	0	0	%100
74	M90B	Z	-.532	-.532	0	%100
75	M90C	X	0	0	0	%100
76	M90C	Z	-.532	-.532	0	%100
77	M91B	X	0	0	0	%100
78	M91B	Z	-.532	-.532	0	%100
79	M96	X	0	0	0	%100
80	M96	Z	-8.735	-8.735	0	%100
81	M99	X	0	0	0	%100
82	M99	Z	-.61	-.61	0	%100
83	M100A	X	0	0	0	%100
84	M100A	Z	-.61	-.61	0	%100
85	M103A	X	0	0	0	%100
86	M103A	Z	-10.887	-10.887	0	%100
87	M106	X	0	0	0	%100
88	M106	Z	-.61	-.61	0	%100
89	M107	X	0	0	0	%100
90	M107	Z	-.61	-.61	0	%100
91	M112	X	0	0	0	%100
92	M112	Z	-.61	-.61	0	%100
93	M113	X	0	0	0	%100
94	M113	Z	-.61	-.61	0	%100
95	M116	X	0	0	0	%100
96	M116	Z	-10.887	-10.887	0	%100
97	M119	X	0	0	0	%100
98	M119	Z	-.61	-.61	0	%100
99	M120	X	0	0	0	%100
100	M120	Z	-.61	-.61	0	%100
101	M125	X	0	0	0	%100
102	M125	Z	-2.44	-2.44	0	%100
103	M126	X	0	0	0	%100
104	M126	Z	-2.44	-2.44	0	%100
105	M129	X	0	0	0	%100
106	M129	Z	-10.887	-10.887	0	%100
107	M132	X	0	0	0	%100
108	M132	Z	-2.44	-2.44	0	%100
109	M133	X	0	0	0	%100
110	M133	Z	-2.44	-2.44	0	%100
111	M125A	X	0	0	0	%100
112	M125A	Z	-4.029	-4.029	0	%100
113	M126A	X	0	0	0	%100
114	M126A	Z	-4.029	-4.029	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
115	M133A	X	0	0	0	%100
116	M133A	Z	-4.618	-4.618	0	%100
117	M136	X	0	0	0	%100
118	M136	Z	-15.467	-15.467	0	%100
119	M137	X	0	0	0	%100
120	M137	Z	-23.42	-23.42	0	%100
121	M138	X	0	0	0	%100
122	M138	Z	-23.42	-23.42	0	%100
123	M137B	X	0	0	0	%100
124	M137B	Z	-18.473	-18.473	0	%100
125	M138A	X	0	0	0	%100
126	M138A	Z	-4.618	-4.618	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M5	X	2.636	2.636	0	%100
2	M5	Z	-4.565	-4.565	0	%100
3	M7	X	20.993	20.993	0	%100
4	M7	Z	-36.36	-36.36	0	%100
5	M29	X	6.044	6.044	0	%100
6	M29	Z	-10.468	-10.468	0	%100
7	M80	X	1.051	1.051	0	%100
8	M80	Z	-1.821	-1.821	0	%100
9	M81	X	1.051	1.051	0	%100
10	M81	Z	-1.821	-1.821	0	%100
11	M82	X	0	0	0	%100
12	M82	Z	0	0	0	%100
13	M51	X	20.993	20.993	0	%100
14	M51	Z	-36.36	-36.36	0	%100
15	M53	X	0	0	0	%100
16	M53	Z	0	0	0	%100
17	MP1A	X	6.657	6.657	0	%100
18	MP1A	Z	-11.53	-11.53	0	%100
19	MP2A	X	6.657	6.657	0	%100
20	MP2A	Z	-11.53	-11.53	0	%100
21	MP4A	X	6.657	6.657	0	%100
22	MP4A	Z	-11.53	-11.53	0	%100
23	MP5A	X	6.657	6.657	0	%100
24	MP5A	Z	-11.53	-11.53	0	%100
25	MP3A	X	8.058	8.058	0	%100
26	MP3A	Z	-13.958	-13.958	0	%100
27	MP1C	X	6.657	6.657	0	%100
28	MP1C	Z	-11.53	-11.53	0	%100
29	MP2C	X	6.657	6.657	0	%100
30	MP2C	Z	-11.53	-11.53	0	%100
31	MP4C	X	6.657	6.657	0	%100
32	MP4C	Z	-11.53	-11.53	0	%100
33	MP5C	X	6.657	6.657	0	%100
34	MP5C	Z	-11.53	-11.53	0	%100
35	MP3C	X	8.058	8.058	0	%100
36	MP3C	Z	-13.958	-13.958	0	%100
37	MP1B	X	6.657	6.657	0	%100
38	MP1B	Z	-11.53	-11.53	0	%100
39	MP2B	X	6.657	6.657	0	%100
40	MP2B	Z	-11.53	-11.53	0	%100
41	MP4B	X	6.657	6.657	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
42	MP4B	Z	-11.53	-11.53	0	%100
43	MP5B	X	6.657	6.657	0	%100
44	MP5B	Z	-11.53	-11.53	0	%100
45	MP3B	X	8.058	8.058	0	%100
46	MP3B	Z	-13.958	-13.958	0	%100
47	M101	X	5.444	5.444	0	%100
48	M101	Z	-9.429	-9.429	0	%100
49	M106A	X	2.636	2.636	0	%100
50	M106A	Z	-4.565	-4.565	0	%100
51	M107A	X	10.543	10.543	0	%100
52	M107A	Z	-18.262	-18.262	0	%100
53	M85	X	10.511	10.511	0	%100
54	M85	Z	-18.206	-18.206	0	%100
55	M86A	X	10.714	10.714	0	%100
56	M86A	Z	-18.557	-18.557	0	%100
57	M87	X	10.511	10.511	0	%100
58	M87	Z	-18.206	-18.206	0	%100
59	M89B	X	10.511	10.511	0	%100
60	M89B	Z	-18.206	-18.206	0	%100
61	M90A	X	10.714	10.714	0	%100
62	M90A	Z	-18.557	-18.557	0	%100
63	M91A	X	10.511	10.511	0	%100
64	M91A	Z	-18.206	-18.206	0	%100
65	M93	X	0	0	0	%100
66	M93	Z	0	0	0	%100
67	M94A	X	0	0	0	%100
68	M94A	Z	0	0	0	%100
69	M95A	X	0	0	0	%100
70	M95A	Z	0	0	0	%100
71	M89C	X	.798	.798	0	%100
72	M89C	Z	-1.382	-1.382	0	%100
73	M90B	X	.798	.798	0	%100
74	M90B	Z	-1.382	-1.382	0	%100
75	M90C	X	.798	.798	0	%100
76	M90C	Z	-1.382	-1.382	0	%100
77	M91B	X	.798	.798	0	%100
78	M91B	Z	-1.382	-1.382	0	%100
79	M96	X	4.367	4.367	0	%100
80	M96	Z	-7.565	-7.565	0	%100
81	M99	X	.915	.915	0	%100
82	M99	Z	-1.585	-1.585	0	%100
83	M100A	X	.915	.915	0	%100
84	M100A	Z	-1.585	-1.585	0	%100
85	M103A	X	5.444	5.444	0	%100
86	M103A	Z	-9.429	-9.429	0	%100
87	M106	X	.915	.915	0	%100
88	M106	Z	-1.585	-1.585	0	%100
89	M107	X	.915	.915	0	%100
90	M107	Z	-1.585	-1.585	0	%100
91	M112	X	0	0	0	%100
92	M112	Z	0	0	0	%100
93	M113	X	0	0	0	%100
94	M113	Z	0	0	0	%100
95	M116	X	5.444	5.444	0	%100
96	M116	Z	-9.429	-9.429	0	%100
97	M119	X	0	0	0	%100
98	M119	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
99	M120	X	0	0	0	%100
100	M120	Z	0	0	0	%100
101	M125	X	.915	.915	0	%100
102	M125	Z	-1.585	-1.585	0	%100
103	M126	X	.915	.915	0	%100
104	M126	Z	-1.585	-1.585	0	%100
105	M129	X	5.444	5.444	0	%100
106	M129	Z	-9.429	-9.429	0	%100
107	M132	X	.915	.915	0	%100
108	M132	Z	-1.585	-1.585	0	%100
109	M133	X	.915	.915	0	%100
110	M133	Z	-1.585	-1.585	0	%100
111	M125A	X	6.044	6.044	0	%100
112	M125A	Z	-10.468	-10.468	0	%100
113	M126A	X	0	0	0	%100
114	M126A	Z	0	0	0	%100
115	M133A	X	0	0	0	%100
116	M133A	Z	0	0	0	%100
117	M136	X	9.059	9.059	0	%100
118	M136	Z	-15.691	-15.691	0	%100
119	M137	X	9.059	9.059	0	%100
120	M137	Z	-15.691	-15.691	0	%100
121	M138	X	13.036	13.036	0	%100
122	M138	Z	-22.578	-22.578	0	%100
123	M137B	X	6.927	6.927	0	%100
124	M137B	Z	-11.999	-11.999	0	%100
125	M138A	X	6.927	6.927	0	%100
126	M138A	Z	-11.999	-11.999	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	M5	X	13.696	13.696	0	%100
2	M5	Z	-7.908	-7.908	0	%100
3	M7	X	12.12	12.12	0	%100
4	M7	Z	-6.998	-6.998	0	%100
5	M29	X	3.489	3.489	0	%100
6	M29	Z	-2.015	-2.015	0	%100
7	M80	X	.607	.607	0	%100
8	M80	Z	-.35	-.35	0	%100
9	M81	X	2.427	2.427	0	%100
10	M81	Z	-1.401	-1.401	0	%100
11	M82	X	.607	.607	0	%100
12	M82	Z	-.35	-.35	0	%100
13	M51	X	48.481	48.481	0	%100
14	M51	Z	-27.99	-27.99	0	%100
15	M53	X	12.12	12.12	0	%100
16	M53	Z	-6.998	-6.998	0	%100
17	MP1A	X	11.53	11.53	0	%100
18	MP1A	Z	-6.657	-6.657	0	%100
19	MP2A	X	11.53	11.53	0	%100
20	MP2A	Z	-6.657	-6.657	0	%100
21	MP4A	X	11.53	11.53	0	%100
22	MP4A	Z	-6.657	-6.657	0	%100
23	MP5A	X	11.53	11.53	0	%100
24	MP5A	Z	-6.657	-6.657	0	%100
25	MP3A	X	13.958	13.958	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
26	MP3A	Z	-8.058	-8.058	0	%100
27	MP1C	X	11.53	11.53	0	%100
28	MP1C	Z	-6.657	-6.657	0	%100
29	MP2C	X	11.53	11.53	0	%100
30	MP2C	Z	-6.657	-6.657	0	%100
31	MP4C	X	11.53	11.53	0	%100
32	MP4C	Z	-6.657	-6.657	0	%100
33	MP5C	X	11.53	11.53	0	%100
34	MP5C	Z	-6.657	-6.657	0	%100
35	MP3C	X	13.958	13.958	0	%100
36	MP3C	Z	-8.058	-8.058	0	%100
37	MP1B	X	11.53	11.53	0	%100
38	MP1B	Z	-6.657	-6.657	0	%100
39	MP2B	X	11.53	11.53	0	%100
40	MP2B	Z	-6.657	-6.657	0	%100
41	MP4B	X	11.53	11.53	0	%100
42	MP4B	Z	-6.657	-6.657	0	%100
43	MP5B	X	11.53	11.53	0	%100
44	MP5B	Z	-6.657	-6.657	0	%100
45	MP3B	X	13.958	13.958	0	%100
46	MP3B	Z	-8.058	-8.058	0	%100
47	M101	X	9.429	9.429	0	%100
48	M101	Z	-5.444	-5.444	0	%100
49	M106A	X	0	0	0	%100
50	M106A	Z	0	0	0	%100
51	M107A	X	13.696	13.696	0	%100
52	M107A	Z	-7.908	-7.908	0	%100
53	M85	X	6.069	6.069	0	%100
54	M85	Z	-3.504	-3.504	0	%100
55	M86A	X	6.186	6.186	0	%100
56	M86A	Z	-3.571	-3.571	0	%100
57	M87	X	6.069	6.069	0	%100
58	M87	Z	-3.504	-3.504	0	%100
59	M89B	X	24.274	24.274	0	%100
60	M89B	Z	-14.015	-14.015	0	%100
61	M90A	X	24.743	24.743	0	%100
62	M90A	Z	-14.286	-14.286	0	%100
63	M91A	X	24.274	24.274	0	%100
64	M91A	Z	-14.015	-14.015	0	%100
65	M93	X	6.069	6.069	0	%100
66	M93	Z	-3.504	-3.504	0	%100
67	M94A	X	6.186	6.186	0	%100
68	M94A	Z	-3.571	-3.571	0	%100
69	M95A	X	6.069	6.069	0	%100
70	M95A	Z	-3.504	-3.504	0	%100
71	M89C	X	1.843	1.843	0	%100
72	M89C	Z	-1.064	-1.064	0	%100
73	M90B	X	1.843	1.843	0	%100
74	M90B	Z	-1.064	-1.064	0	%100
75	M90C	X	1.843	1.843	0	%100
76	M90C	Z	-1.064	-1.064	0	%100
77	M91B	X	1.843	1.843	0	%100
78	M91B	Z	-1.064	-1.064	0	%100
79	M96	X	7.565	7.565	0	%100
80	M96	Z	-4.367	-4.367	0	%100
81	M99	X	2.113	2.113	0	%100
82	M99	Z	-1.22	-1.22	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
83	M100A	X	2.113	2.113	0	%100
84	M100A	Z	-1.22	-1.22	0	%100
85	M103A	X	9.429	9.429	0	%100
86	M103A	Z	-5.444	-5.444	0	%100
87	M106	X	2.113	2.113	0	%100
88	M106	Z	-1.22	-1.22	0	%100
89	M107	X	2.113	2.113	0	%100
90	M107	Z	-1.22	-1.22	0	%100
91	M112	X	.528	.528	0	%100
92	M112	Z	-.305	-.305	0	%100
93	M113	X	.528	.528	0	%100
94	M113	Z	-.305	-.305	0	%100
95	M116	X	9.429	9.429	0	%100
96	M116	Z	-5.444	-5.444	0	%100
97	M119	X	.528	.528	0	%100
98	M119	Z	-.305	-.305	0	%100
99	M120	X	.528	.528	0	%100
100	M120	Z	-.305	-.305	0	%100
101	M125	X	.528	.528	0	%100
102	M125	Z	-.305	-.305	0	%100
103	M126	X	.528	.528	0	%100
104	M126	Z	-.305	-.305	0	%100
105	M129	X	9.429	9.429	0	%100
106	M129	Z	-5.444	-5.444	0	%100
107	M132	X	.528	.528	0	%100
108	M132	Z	-.305	-.305	0	%100
109	M133	X	.528	.528	0	%100
110	M133	Z	-.305	-.305	0	%100
111	M125A	X	13.958	13.958	0	%100
112	M125A	Z	-8.058	-8.058	0	%100
113	M126A	X	3.489	3.489	0	%100
114	M126A	Z	-2.015	-2.015	0	%100
115	M133A	X	4	4	0	%100
116	M133A	Z	-2.309	-2.309	0	%100
117	M136	X	20.283	20.283	0	%100
118	M136	Z	-11.71	-11.71	0	%100
119	M137	X	13.395	13.395	0	%100
120	M137	Z	-7.734	-7.734	0	%100
121	M138	X	20.283	20.283	0	%100
122	M138	Z	-11.71	-11.71	0	%100
123	M137B	X	4	4	0	%100
124	M137B	Z	-2.309	-2.309	0	%100
125	M138A	X	15.998	15.998	0	%100
126	M138A	Z	-9.237	-9.237	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M5	X	21.087	21.087	0	%100
2	M5	Z	0	0	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	0	0	0	%100
5	M29	X	0	0	0	%100
6	M29	Z	0	0	0	%100
7	M80	X	0	0	0	%100
8	M80	Z	0	0	0	%100
9	M81	X	2.102	2.102	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
10	M81	Z	0	0	0	%100
11	M82	X	2.102	2.102	0	%100
12	M82	Z	0	0	0	%100
13	M51	X	41.985	41.985	0	%100
14	M51	Z	0	0	0	%100
15	M53	X	41.985	41.985	0	%100
16	M53	Z	0	0	0	%100
17	MP1A	X	13.314	13.314	0	%100
18	MP1A	Z	0	0	0	%100
19	MP2A	X	13.314	13.314	0	%100
20	MP2A	Z	0	0	0	%100
21	MP4A	X	13.314	13.314	0	%100
22	MP4A	Z	0	0	0	%100
23	MP5A	X	13.314	13.314	0	%100
24	MP5A	Z	0	0	0	%100
25	MP3A	X	16.117	16.117	0	%100
26	MP3A	Z	0	0	0	%100
27	MP1C	X	13.314	13.314	0	%100
28	MP1C	Z	0	0	0	%100
29	MP2C	X	13.314	13.314	0	%100
30	MP2C	Z	0	0	0	%100
31	MP4C	X	13.314	13.314	0	%100
32	MP4C	Z	0	0	0	%100
33	MP5C	X	13.314	13.314	0	%100
34	MP5C	Z	0	0	0	%100
35	MP3C	X	16.117	16.117	0	%100
36	MP3C	Z	0	0	0	%100
37	MP1B	X	13.314	13.314	0	%100
38	MP1B	Z	0	0	0	%100
39	MP2B	X	13.314	13.314	0	%100
40	MP2B	Z	0	0	0	%100
41	MP4B	X	13.314	13.314	0	%100
42	MP4B	Z	0	0	0	%100
43	MP5B	X	13.314	13.314	0	%100
44	MP5B	Z	0	0	0	%100
45	MP3B	X	16.117	16.117	0	%100
46	MP3B	Z	0	0	0	%100
47	M101	X	10.887	10.887	0	%100
48	M101	Z	0	0	0	%100
49	M106A	X	5.272	5.272	0	%100
50	M106A	Z	0	0	0	%100
51	M107A	X	5.272	5.272	0	%100
52	M107A	Z	0	0	0	%100
53	M85	X	0	0	0	%100
54	M85	Z	0	0	0	%100
55	M86A	X	0	0	0	%100
56	M86A	Z	0	0	0	%100
57	M87	X	0	0	0	%100
58	M87	Z	0	0	0	%100
59	M89B	X	21.022	21.022	0	%100
60	M89B	Z	0	0	0	%100
61	M90A	X	21.428	21.428	0	%100
62	M90A	Z	0	0	0	%100
63	M91A	X	21.022	21.022	0	%100
64	M91A	Z	0	0	0	%100
65	M93	X	21.022	21.022	0	%100
66	M93	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
67	M94A	X	21.428	21.428	0	%100
68	M94A	Z	0	0	0	%100
69	M95A	X	21.022	21.022	0	%100
70	M95A	Z	0	0	0	%100
71	M89C	X	1.596	1.596	0	%100
72	M89C	Z	0	0	0	%100
73	M90B	X	1.596	1.596	0	%100
74	M90B	Z	0	0	0	%100
75	M90C	X	1.596	1.596	0	%100
76	M90C	Z	0	0	0	%100
77	M91B	X	1.596	1.596	0	%100
78	M91B	Z	0	0	0	%100
79	M96	X	8.735	8.735	0	%100
80	M96	Z	0	0	0	%100
81	M99	X	1.83	1.83	0	%100
82	M99	Z	0	0	0	%100
83	M100A	X	1.83	1.83	0	%100
84	M100A	Z	0	0	0	%100
85	M103A	X	10.887	10.887	0	%100
86	M103A	Z	0	0	0	%100
87	M106	X	1.83	1.83	0	%100
88	M106	Z	0	0	0	%100
89	M107	X	1.83	1.83	0	%100
90	M107	Z	0	0	0	%100
91	M112	X	1.83	1.83	0	%100
92	M112	Z	0	0	0	%100
93	M113	X	1.83	1.83	0	%100
94	M113	Z	0	0	0	%100
95	M116	X	10.887	10.887	0	%100
96	M116	Z	0	0	0	%100
97	M119	X	1.83	1.83	0	%100
98	M119	Z	0	0	0	%100
99	M120	X	1.83	1.83	0	%100
100	M120	Z	0	0	0	%100
101	M125	X	0	0	0	%100
102	M125	Z	0	0	0	%100
103	M126	X	0	0	0	%100
104	M126	Z	0	0	0	%100
105	M129	X	10.887	10.887	0	%100
106	M129	Z	0	0	0	%100
107	M132	X	0	0	0	%100
108	M132	Z	0	0	0	%100
109	M133	X	0	0	0	%100
110	M133	Z	0	0	0	%100
111	M125A	X	12.088	12.088	0	%100
112	M125A	Z	0	0	0	%100
113	M126A	X	12.088	12.088	0	%100
114	M126A	Z	0	0	0	%100
115	M133A	X	13.855	13.855	0	%100
116	M133A	Z	0	0	0	%100
117	M136	X	26.071	26.071	0	%100
118	M136	Z	0	0	0	%100
119	M137	X	18.118	18.118	0	%100
120	M137	Z	0	0	0	%100
121	M138	X	18.118	18.118	0	%100
122	M138	Z	0	0	0	%100
123	M137B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
124	M137B	Z	0	0	0	%100
125	M138A	X	13.855	13.855	0	%100
126	M138A	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	M5	X	13.696	13.696	0	%100
2	M5	Z	7.908	7.908	0	%100
3	M7	X	12.12	12.12	0	%100
4	M7	Z	6.998	6.998	0	%100
5	M29	X	3.489	3.489	0	%100
6	M29	Z	2.015	2.015	0	%100
7	M80	X	.607	.607	0	%100
8	M80	Z	.35	.35	0	%100
9	M81	X	.607	.607	0	%100
10	M81	Z	.35	.35	0	%100
11	M82	X	2.427	2.427	0	%100
12	M82	Z	1.401	1.401	0	%100
13	M51	X	12.12	12.12	0	%100
14	M51	Z	6.998	6.998	0	%100
15	M53	X	48.481	48.481	0	%100
16	M53	Z	27.99	27.99	0	%100
17	MP1A	X	11.53	11.53	0	%100
18	MP1A	Z	6.657	6.657	0	%100
19	MP2A	X	11.53	11.53	0	%100
20	MP2A	Z	6.657	6.657	0	%100
21	MP4A	X	11.53	11.53	0	%100
22	MP4A	Z	6.657	6.657	0	%100
23	MP5A	X	11.53	11.53	0	%100
24	MP5A	Z	6.657	6.657	0	%100
25	MP3A	X	13.958	13.958	0	%100
26	MP3A	Z	8.058	8.058	0	%100
27	MP1C	X	11.53	11.53	0	%100
28	MP1C	Z	6.657	6.657	0	%100
29	MP2C	X	11.53	11.53	0	%100
30	MP2C	Z	6.657	6.657	0	%100
31	MP4C	X	11.53	11.53	0	%100
32	MP4C	Z	6.657	6.657	0	%100
33	MP5C	X	11.53	11.53	0	%100
34	MP5C	Z	6.657	6.657	0	%100
35	MP3C	X	13.958	13.958	0	%100
36	MP3C	Z	8.058	8.058	0	%100
37	MP1B	X	11.53	11.53	0	%100
38	MP1B	Z	6.657	6.657	0	%100
39	MP2B	X	11.53	11.53	0	%100
40	MP2B	Z	6.657	6.657	0	%100
41	MP4B	X	11.53	11.53	0	%100
42	MP4B	Z	6.657	6.657	0	%100
43	MP5B	X	11.53	11.53	0	%100
44	MP5B	Z	6.657	6.657	0	%100
45	MP3B	X	13.958	13.958	0	%100
46	MP3B	Z	8.058	8.058	0	%100
47	M101	X	9.429	9.429	0	%100
48	M101	Z	5.444	5.444	0	%100
49	M106A	X	13.696	13.696	0	%100
50	M106A	Z	7.908	7.908	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
51	M107A	X	0	0	0	%100
52	M107A	Z	0	0	0	%100
53	M85	X	6.069	6.069	0	%100
54	M85	Z	3.504	3.504	0	%100
55	M86A	X	6.186	6.186	0	%100
56	M86A	Z	3.571	3.571	0	%100
57	M87	X	6.069	6.069	0	%100
58	M87	Z	3.504	3.504	0	%100
59	M89B	X	6.069	6.069	0	%100
60	M89B	Z	3.504	3.504	0	%100
61	M90A	X	6.186	6.186	0	%100
62	M90A	Z	3.571	3.571	0	%100
63	M91A	X	6.069	6.069	0	%100
64	M91A	Z	3.504	3.504	0	%100
65	M93	X	24.274	24.274	0	%100
66	M93	Z	14.015	14.015	0	%100
67	M94A	X	24.743	24.743	0	%100
68	M94A	Z	14.286	14.286	0	%100
69	M95A	X	24.274	24.274	0	%100
70	M95A	Z	14.015	14.015	0	%100
71	M89C	X	.461	.461	0	%100
72	M89C	Z	.266	.266	0	%100
73	M90B	X	.461	.461	0	%100
74	M90B	Z	.266	.266	0	%100
75	M90C	X	.461	.461	0	%100
76	M90C	Z	.266	.266	0	%100
77	M91B	X	.461	.461	0	%100
78	M91B	Z	.266	.266	0	%100
79	M96	X	7.565	7.565	0	%100
80	M96	Z	4.367	4.367	0	%100
81	M99	X	.528	.528	0	%100
82	M99	Z	.305	.305	0	%100
83	M100A	X	.528	.528	0	%100
84	M100A	Z	.305	.305	0	%100
85	M103A	X	9.429	9.429	0	%100
86	M103A	Z	5.444	5.444	0	%100
87	M106	X	.528	.528	0	%100
88	M106	Z	.305	.305	0	%100
89	M107	X	.528	.528	0	%100
90	M107	Z	.305	.305	0	%100
91	M112	X	2.113	2.113	0	%100
92	M112	Z	1.22	1.22	0	%100
93	M113	X	2.113	2.113	0	%100
94	M113	Z	1.22	1.22	0	%100
95	M116	X	9.429	9.429	0	%100
96	M116	Z	5.444	5.444	0	%100
97	M119	X	2.113	2.113	0	%100
98	M119	Z	1.22	1.22	0	%100
99	M120	X	2.113	2.113	0	%100
100	M120	Z	1.22	1.22	0	%100
101	M125	X	.528	.528	0	%100
102	M125	Z	.305	.305	0	%100
103	M126	X	.528	.528	0	%100
104	M126	Z	.305	.305	0	%100
105	M129	X	9.429	9.429	0	%100
106	M129	Z	5.444	5.444	0	%100
107	M132	X	.528	.528	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
108	M132	Z	.305	.305	0	%100
109	M133	X	.528	.528	0	%100
110	M133	Z	.305	.305	0	%100
111	M125A	X	3.489	3.489	0	%100
112	M125A	Z	2.015	2.015	0	%100
113	M126A	X	13.958	13.958	0	%100
114	M126A	Z	8.058	8.058	0	%100
115	M133A	X	15.998	15.998	0	%100
116	M133A	Z	9.237	9.237	0	%100
117	M136	X	20.283	20.283	0	%100
118	M136	Z	11.71	11.71	0	%100
119	M137	X	20.283	20.283	0	%100
120	M137	Z	11.71	11.71	0	%100
121	M138	X	13.395	13.395	0	%100
122	M138	Z	7.734	7.734	0	%100
123	M137B	X	4	4	0	%100
124	M137B	Z	2.309	2.309	0	%100
125	M138A	X	4	4	0	%100
126	M138A	Z	2.309	2.309	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M5	X	2.636	2.636	0	%100
2	M5	Z	4.565	4.565	0	%100
3	M7	X	20.993	20.993	0	%100
4	M7	Z	36.36	36.36	0	%100
5	M29	X	6.044	6.044	0	%100
6	M29	Z	10.468	10.468	0	%100
7	M80	X	1.051	1.051	0	%100
8	M80	Z	1.821	1.821	0	%100
9	M81	X	0	0	0	%100
10	M81	Z	0	0	0	%100
11	M82	X	1.051	1.051	0	%100
12	M82	Z	1.821	1.821	0	%100
13	M51	X	0	0	0	%100
14	M51	Z	0	0	0	%100
15	M53	X	20.993	20.993	0	%100
16	M53	Z	36.36	36.36	0	%100
17	MP1A	X	6.657	6.657	0	%100
18	MP1A	Z	11.53	11.53	0	%100
19	MP2A	X	6.657	6.657	0	%100
20	MP2A	Z	11.53	11.53	0	%100
21	MP4A	X	6.657	6.657	0	%100
22	MP4A	Z	11.53	11.53	0	%100
23	MP5A	X	6.657	6.657	0	%100
24	MP5A	Z	11.53	11.53	0	%100
25	MP3A	X	8.058	8.058	0	%100
26	MP3A	Z	13.958	13.958	0	%100
27	MP1C	X	6.657	6.657	0	%100
28	MP1C	Z	11.53	11.53	0	%100
29	MP2C	X	6.657	6.657	0	%100
30	MP2C	Z	11.53	11.53	0	%100
31	MP4C	X	6.657	6.657	0	%100
32	MP4C	Z	11.53	11.53	0	%100
33	MP5C	X	6.657	6.657	0	%100
34	MP5C	Z	11.53	11.53	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
35	MP3C	X	8.058	8.058	0	%100
36	MP3C	Z	13.958	13.958	0	%100
37	MP1B	X	6.657	6.657	0	%100
38	MP1B	Z	11.53	11.53	0	%100
39	MP2B	X	6.657	6.657	0	%100
40	MP2B	Z	11.53	11.53	0	%100
41	MP4B	X	6.657	6.657	0	%100
42	MP4B	Z	11.53	11.53	0	%100
43	MP5B	X	6.657	6.657	0	%100
44	MP5B	Z	11.53	11.53	0	%100
45	MP3B	X	8.058	8.058	0	%100
46	MP3B	Z	13.958	13.958	0	%100
47	M101	X	5.444	5.444	0	%100
48	M101	Z	9.429	9.429	0	%100
49	M106A	X	10.543	10.543	0	%100
50	M106A	Z	18.262	18.262	0	%100
51	M107A	X	2.636	2.636	0	%100
52	M107A	Z	4.565	4.565	0	%100
53	M85	X	10.511	10.511	0	%100
54	M85	Z	18.206	18.206	0	%100
55	M86A	X	10.714	10.714	0	%100
56	M86A	Z	18.557	18.557	0	%100
57	M87	X	10.511	10.511	0	%100
58	M87	Z	18.206	18.206	0	%100
59	M89B	X	0	0	0	%100
60	M89B	Z	0	0	0	%100
61	M90A	X	0	0	0	%100
62	M90A	Z	0	0	0	%100
63	M91A	X	0	0	0	%100
64	M91A	Z	0	0	0	%100
65	M93	X	10.511	10.511	0	%100
66	M93	Z	18.206	18.206	0	%100
67	M94A	X	10.714	10.714	0	%100
68	M94A	Z	18.557	18.557	0	%100
69	M95A	X	10.511	10.511	0	%100
70	M95A	Z	18.206	18.206	0	%100
71	M89C	X	0	0	0	%100
72	M89C	Z	0	0	0	%100
73	M90B	X	0	0	0	%100
74	M90B	Z	0	0	0	%100
75	M90C	X	0	0	0	%100
76	M90C	Z	0	0	0	%100
77	M91B	X	0	0	0	%100
78	M91B	Z	0	0	0	%100
79	M96	X	4.367	4.367	0	%100
80	M96	Z	7.565	7.565	0	%100
81	M99	X	0	0	0	%100
82	M99	Z	0	0	0	%100
83	M100A	X	0	0	0	%100
84	M100A	Z	0	0	0	%100
85	M103A	X	5.444	5.444	0	%100
86	M103A	Z	9.429	9.429	0	%100
87	M106	X	0	0	0	%100
88	M106	Z	0	0	0	%100
89	M107	X	0	0	0	%100
90	M107	Z	0	0	0	%100
91	M112	X	.915	.915	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
92	M112	Z	1.585	1.585	0	%100
93	M113	X	.915	.915	0	%100
94	M113	Z	1.585	1.585	0	%100
95	M116	X	5.444	5.444	0	%100
96	M116	Z	9.429	9.429	0	%100
97	M119	X	.915	.915	0	%100
98	M119	Z	1.585	1.585	0	%100
99	M120	X	.915	.915	0	%100
100	M120	Z	1.585	1.585	0	%100
101	M125	X	.915	.915	0	%100
102	M125	Z	1.585	1.585	0	%100
103	M126	X	.915	.915	0	%100
104	M126	Z	1.585	1.585	0	%100
105	M129	X	5.444	5.444	0	%100
106	M129	Z	9.429	9.429	0	%100
107	M132	X	.915	.915	0	%100
108	M132	Z	1.585	1.585	0	%100
109	M133	X	.915	.915	0	%100
110	M133	Z	1.585	1.585	0	%100
111	M125A	X	0	0	0	%100
112	M125A	Z	0	0	0	%100
113	M126A	X	6.044	6.044	0	%100
114	M126A	Z	10.468	10.468	0	%100
115	M133A	X	6.927	6.927	0	%100
116	M133A	Z	11.999	11.999	0	%100
117	M136	X	9.059	9.059	0	%100
118	M136	Z	15.691	15.691	0	%100
119	M137	X	13.036	13.036	0	%100
120	M137	Z	22.578	22.578	0	%100
121	M138	X	9.059	9.059	0	%100
122	M138	Z	15.691	15.691	0	%100
123	M137B	X	6.927	6.927	0	%100
124	M137B	Z	11.999	11.999	0	%100
125	M138A	X	0	0	0	%100
126	M138A	Z	0	0	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	M5	X	0	0	0	%100
2	M5	Z	0	0	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	55.981	55.981	0	%100
5	M29	X	0	0	0	%100
6	M29	Z	16.117	16.117	0	%100
7	M80	X	0	0	0	%100
8	M80	Z	2.803	2.803	0	%100
9	M81	X	0	0	0	%100
10	M81	Z	.701	.701	0	%100
11	M82	X	0	0	0	%100
12	M82	Z	.701	.701	0	%100
13	M51	X	0	0	0	%100
14	M51	Z	13.995	13.995	0	%100
15	M53	X	0	0	0	%100
16	M53	Z	13.995	13.995	0	%100
17	MP1A	X	0	0	0	%100
18	MP1A	Z	13.314	13.314	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
19	MP2A	X	0	0	0	%100
20	MP2A	Z	13.314	13.314	0	%100
21	MP4A	X	0	0	0	%100
22	MP4A	Z	13.314	13.314	0	%100
23	MP5A	X	0	0	0	%100
24	MP5A	Z	13.314	13.314	0	%100
25	MP3A	X	0	0	0	%100
26	MP3A	Z	16.117	16.117	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	13.314	13.314	0	%100
29	MP2C	X	0	0	0	%100
30	MP2C	Z	13.314	13.314	0	%100
31	MP4C	X	0	0	0	%100
32	MP4C	Z	13.314	13.314	0	%100
33	MP5C	X	0	0	0	%100
34	MP5C	Z	13.314	13.314	0	%100
35	MP3C	X	0	0	0	%100
36	MP3C	Z	16.117	16.117	0	%100
37	MP1B	X	0	0	0	%100
38	MP1B	Z	13.314	13.314	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	13.314	13.314	0	%100
41	MP4B	X	0	0	0	%100
42	MP4B	Z	13.314	13.314	0	%100
43	MP5B	X	0	0	0	%100
44	MP5B	Z	13.314	13.314	0	%100
45	MP3B	X	0	0	0	%100
46	MP3B	Z	16.117	16.117	0	%100
47	M101	X	0	0	0	%100
48	M101	Z	10.887	10.887	0	%100
49	M106A	X	0	0	0	%100
50	M106A	Z	15.815	15.815	0	%100
51	M107A	X	0	0	0	%100
52	M107A	Z	15.815	15.815	0	%100
53	M85	X	0	0	0	%100
54	M85	Z	28.029	28.029	0	%100
55	M86A	X	0	0	0	%100
56	M86A	Z	28.571	28.571	0	%100
57	M87	X	0	0	0	%100
58	M87	Z	28.029	28.029	0	%100
59	M89B	X	0	0	0	%100
60	M89B	Z	7.007	7.007	0	%100
61	M90A	X	0	0	0	%100
62	M90A	Z	7.143	7.143	0	%100
63	M91A	X	0	0	0	%100
64	M91A	Z	7.007	7.007	0	%100
65	M93	X	0	0	0	%100
66	M93	Z	7.007	7.007	0	%100
67	M94A	X	0	0	0	%100
68	M94A	Z	7.143	7.143	0	%100
69	M95A	X	0	0	0	%100
70	M95A	Z	7.007	7.007	0	%100
71	M89C	X	0	0	0	%100
72	M89C	Z	.532	.532	0	%100
73	M90B	X	0	0	0	%100
74	M90B	Z	.532	.532	0	%100
75	M90C	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
76	M90C	Z	.532	.532	0	%100
77	M91B	X	0	0	0	%100
78	M91B	Z	.532	.532	0	%100
79	M96	X	0	0	0	%100
80	M96	Z	8.735	8.735	0	%100
81	M99	X	0	0	0	%100
82	M99	Z	.61	.61	0	%100
83	M100A	X	0	0	0	%100
84	M100A	Z	.61	.61	0	%100
85	M103A	X	0	0	0	%100
86	M103A	Z	10.887	10.887	0	%100
87	M106	X	0	0	0	%100
88	M106	Z	.61	.61	0	%100
89	M107	X	0	0	0	%100
90	M107	Z	.61	.61	0	%100
91	M112	X	0	0	0	%100
92	M112	Z	.61	.61	0	%100
93	M113	X	0	0	0	%100
94	M113	Z	.61	.61	0	%100
95	M116	X	0	0	0	%100
96	M116	Z	10.887	10.887	0	%100
97	M119	X	0	0	0	%100
98	M119	Z	.61	.61	0	%100
99	M120	X	0	0	0	%100
100	M120	Z	.61	.61	0	%100
101	M125	X	0	0	0	%100
102	M125	Z	2.44	2.44	0	%100
103	M126	X	0	0	0	%100
104	M126	Z	2.44	2.44	0	%100
105	M129	X	0	0	0	%100
106	M129	Z	10.887	10.887	0	%100
107	M132	X	0	0	0	%100
108	M132	Z	2.44	2.44	0	%100
109	M133	X	0	0	0	%100
110	M133	Z	2.44	2.44	0	%100
111	M125A	X	0	0	0	%100
112	M125A	Z	4.029	4.029	0	%100
113	M126A	X	0	0	0	%100
114	M126A	Z	4.029	4.029	0	%100
115	M133A	X	0	0	0	%100
116	M133A	Z	4.618	4.618	0	%100
117	M136	X	0	0	0	%100
118	M136	Z	15.467	15.467	0	%100
119	M137	X	0	0	0	%100
120	M137	Z	23.42	23.42	0	%100
121	M138	X	0	0	0	%100
122	M138	Z	23.42	23.42	0	%100
123	M137B	X	0	0	0	%100
124	M137B	Z	18.473	18.473	0	%100
125	M138A	X	0	0	0	%100
126	M138A	Z	4.618	4.618	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M5	X	-2.636	-2.636	0	%100
2	M5	Z	4.565	4.565	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
3	M7	X	-20.993	-20.993	0	%100
4	M7	Z	36.36	36.36	0	%100
5	M29	X	-6.044	-6.044	0	%100
6	M29	Z	10.468	10.468	0	%100
7	M80	X	-1.051	-1.051	0	%100
8	M80	Z	1.821	1.821	0	%100
9	M81	X	-1.051	-1.051	0	%100
10	M81	Z	1.821	1.821	0	%100
11	M82	X	0	0	0	%100
12	M82	Z	0	0	0	%100
13	M51	X	-20.993	-20.993	0	%100
14	M51	Z	36.36	36.36	0	%100
15	M53	X	0	0	0	%100
16	M53	Z	0	0	0	%100
17	MP1A	X	-6.657	-6.657	0	%100
18	MP1A	Z	11.53	11.53	0	%100
19	MP2A	X	-6.657	-6.657	0	%100
20	MP2A	Z	11.53	11.53	0	%100
21	MP4A	X	-6.657	-6.657	0	%100
22	MP4A	Z	11.53	11.53	0	%100
23	MP5A	X	-6.657	-6.657	0	%100
24	MP5A	Z	11.53	11.53	0	%100
25	MP3A	X	-8.058	-8.058	0	%100
26	MP3A	Z	13.958	13.958	0	%100
27	MP1C	X	-6.657	-6.657	0	%100
28	MP1C	Z	11.53	11.53	0	%100
29	MP2C	X	-6.657	-6.657	0	%100
30	MP2C	Z	11.53	11.53	0	%100
31	MP4C	X	-6.657	-6.657	0	%100
32	MP4C	Z	11.53	11.53	0	%100
33	MP5C	X	-6.657	-6.657	0	%100
34	MP5C	Z	11.53	11.53	0	%100
35	MP3C	X	-8.058	-8.058	0	%100
36	MP3C	Z	13.958	13.958	0	%100
37	MP1B	X	-6.657	-6.657	0	%100
38	MP1B	Z	11.53	11.53	0	%100
39	MP2B	X	-6.657	-6.657	0	%100
40	MP2B	Z	11.53	11.53	0	%100
41	MP4B	X	-6.657	-6.657	0	%100
42	MP4B	Z	11.53	11.53	0	%100
43	MP5B	X	-6.657	-6.657	0	%100
44	MP5B	Z	11.53	11.53	0	%100
45	MP3B	X	-8.058	-8.058	0	%100
46	MP3B	Z	13.958	13.958	0	%100
47	M101	X	-5.444	-5.444	0	%100
48	M101	Z	9.429	9.429	0	%100
49	M106A	X	-2.636	-2.636	0	%100
50	M106A	Z	4.565	4.565	0	%100
51	M107A	X	-10.543	-10.543	0	%100
52	M107A	Z	18.262	18.262	0	%100
53	M85	X	-10.511	-10.511	0	%100
54	M85	Z	18.206	18.206	0	%100
55	M86A	X	-10.714	-10.714	0	%100
56	M86A	Z	18.557	18.557	0	%100
57	M87	X	-10.511	-10.511	0	%100
58	M87	Z	18.206	18.206	0	%100
59	M89B	X	-10.511	-10.511	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
60	M89B	Z	18.206	18.206	0	%100
61	M90A	X	-10.714	-10.714	0	%100
62	M90A	Z	18.557	18.557	0	%100
63	M91A	X	-10.511	-10.511	0	%100
64	M91A	Z	18.206	18.206	0	%100
65	M93	X	0	0	0	%100
66	M93	Z	0	0	0	%100
67	M94A	X	0	0	0	%100
68	M94A	Z	0	0	0	%100
69	M95A	X	0	0	0	%100
70	M95A	Z	0	0	0	%100
71	M89C	X	-.798	-.798	0	%100
72	M89C	Z	1.382	1.382	0	%100
73	M90B	X	-.798	-.798	0	%100
74	M90B	Z	1.382	1.382	0	%100
75	M90C	X	-.798	-.798	0	%100
76	M90C	Z	1.382	1.382	0	%100
77	M91B	X	-.798	-.798	0	%100
78	M91B	Z	1.382	1.382	0	%100
79	M96	X	-4.367	-4.367	0	%100
80	M96	Z	7.565	7.565	0	%100
81	M99	X	-.915	-.915	0	%100
82	M99	Z	1.585	1.585	0	%100
83	M100A	X	-.915	-.915	0	%100
84	M100A	Z	1.585	1.585	0	%100
85	M103A	X	-5.444	-5.444	0	%100
86	M103A	Z	9.429	9.429	0	%100
87	M106	X	-.915	-.915	0	%100
88	M106	Z	1.585	1.585	0	%100
89	M107	X	-.915	-.915	0	%100
90	M107	Z	1.585	1.585	0	%100
91	M112	X	0	0	0	%100
92	M112	Z	0	0	0	%100
93	M113	X	0	0	0	%100
94	M113	Z	0	0	0	%100
95	M116	X	-5.444	-5.444	0	%100
96	M116	Z	9.429	9.429	0	%100
97	M119	X	0	0	0	%100
98	M119	Z	0	0	0	%100
99	M120	X	0	0	0	%100
100	M120	Z	0	0	0	%100
101	M125	X	-.915	-.915	0	%100
102	M125	Z	1.585	1.585	0	%100
103	M126	X	-.915	-.915	0	%100
104	M126	Z	1.585	1.585	0	%100
105	M129	X	-5.444	-5.444	0	%100
106	M129	Z	9.429	9.429	0	%100
107	M132	X	-.915	-.915	0	%100
108	M132	Z	1.585	1.585	0	%100
109	M133	X	-.915	-.915	0	%100
110	M133	Z	1.585	1.585	0	%100
111	M125A	X	-6.044	-6.044	0	%100
112	M125A	Z	10.468	10.468	0	%100
113	M126A	X	0	0	0	%100
114	M126A	Z	0	0	0	%100
115	M133A	X	0	0	0	%100
116	M133A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
117	M136	X	-9.059	-9.059	0	%100
118	M136	Z	15.691	15.691	0	%100
119	M137	X	-9.059	-9.059	0	%100
120	M137	Z	15.691	15.691	0	%100
121	M138	X	-13.036	-13.036	0	%100
122	M138	Z	22.578	22.578	0	%100
123	M137B	X	-6.927	-6.927	0	%100
124	M137B	Z	11.999	11.999	0	%100
125	M138A	X	-6.927	-6.927	0	%100
126	M138A	Z	11.999	11.999	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M5	X	-13.696	-13.696	0	%100
2	M5	Z	7.908	7.908	0	%100
3	M7	X	-12.12	-12.12	0	%100
4	M7	Z	6.998	6.998	0	%100
5	M29	X	-3.489	-3.489	0	%100
6	M29	Z	2.015	2.015	0	%100
7	M80	X	-.607	-.607	0	%100
8	M80	Z	.35	.35	0	%100
9	M81	X	-2.427	-2.427	0	%100
10	M81	Z	1.401	1.401	0	%100
11	M82	X	-.607	-.607	0	%100
12	M82	Z	.35	.35	0	%100
13	M51	X	-48.481	-48.481	0	%100
14	M51	Z	27.99	27.99	0	%100
15	M53	X	-12.12	-12.12	0	%100
16	M53	Z	6.998	6.998	0	%100
17	MP1A	X	-11.53	-11.53	0	%100
18	MP1A	Z	6.657	6.657	0	%100
19	MP2A	X	-11.53	-11.53	0	%100
20	MP2A	Z	6.657	6.657	0	%100
21	MP4A	X	-11.53	-11.53	0	%100
22	MP4A	Z	6.657	6.657	0	%100
23	MP5A	X	-11.53	-11.53	0	%100
24	MP5A	Z	6.657	6.657	0	%100
25	MP3A	X	-13.958	-13.958	0	%100
26	MP3A	Z	8.058	8.058	0	%100
27	MP1C	X	-11.53	-11.53	0	%100
28	MP1C	Z	6.657	6.657	0	%100
29	MP2C	X	-11.53	-11.53	0	%100
30	MP2C	Z	6.657	6.657	0	%100
31	MP4C	X	-11.53	-11.53	0	%100
32	MP4C	Z	6.657	6.657	0	%100
33	MP5C	X	-11.53	-11.53	0	%100
34	MP5C	Z	6.657	6.657	0	%100
35	MP3C	X	-13.958	-13.958	0	%100
36	MP3C	Z	8.058	8.058	0	%100
37	MP1B	X	-11.53	-11.53	0	%100
38	MP1B	Z	6.657	6.657	0	%100
39	MP2B	X	-11.53	-11.53	0	%100
40	MP2B	Z	6.657	6.657	0	%100
41	MP4B	X	-11.53	-11.53	0	%100
42	MP4B	Z	6.657	6.657	0	%100
43	MP5B	X	-11.53	-11.53	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
44	MP5B	Z	6.657	6.657	0	%100
45	MP3B	X	-13.958	-13.958	0	%100
46	MP3B	Z	8.058	8.058	0	%100
47	M101	X	-9.429	-9.429	0	%100
48	M101	Z	5.444	5.444	0	%100
49	M106A	X	0	0	0	%100
50	M106A	Z	0	0	0	%100
51	M107A	X	-13.696	-13.696	0	%100
52	M107A	Z	7.908	7.908	0	%100
53	M85	X	-6.069	-6.069	0	%100
54	M85	Z	3.504	3.504	0	%100
55	M86A	X	-6.186	-6.186	0	%100
56	M86A	Z	3.571	3.571	0	%100
57	M87	X	-6.069	-6.069	0	%100
58	M87	Z	3.504	3.504	0	%100
59	M89B	X	-24.274	-24.274	0	%100
60	M89B	Z	14.015	14.015	0	%100
61	M90A	X	-24.743	-24.743	0	%100
62	M90A	Z	14.286	14.286	0	%100
63	M91A	X	-24.274	-24.274	0	%100
64	M91A	Z	14.015	14.015	0	%100
65	M93	X	-6.069	-6.069	0	%100
66	M93	Z	3.504	3.504	0	%100
67	M94A	X	-6.186	-6.186	0	%100
68	M94A	Z	3.571	3.571	0	%100
69	M95A	X	-6.069	-6.069	0	%100
70	M95A	Z	3.504	3.504	0	%100
71	M89C	X	-1.843	-1.843	0	%100
72	M89C	Z	1.064	1.064	0	%100
73	M90B	X	-1.843	-1.843	0	%100
74	M90B	Z	1.064	1.064	0	%100
75	M90C	X	-1.843	-1.843	0	%100
76	M90C	Z	1.064	1.064	0	%100
77	M91B	X	-1.843	-1.843	0	%100
78	M91B	Z	1.064	1.064	0	%100
79	M96	X	-7.565	-7.565	0	%100
80	M96	Z	4.367	4.367	0	%100
81	M99	X	-2.113	-2.113	0	%100
82	M99	Z	1.22	1.22	0	%100
83	M100A	X	-2.113	-2.113	0	%100
84	M100A	Z	1.22	1.22	0	%100
85	M103A	X	-9.429	-9.429	0	%100
86	M103A	Z	5.444	5.444	0	%100
87	M106	X	-2.113	-2.113	0	%100
88	M106	Z	1.22	1.22	0	%100
89	M107	X	-2.113	-2.113	0	%100
90	M107	Z	1.22	1.22	0	%100
91	M112	X	-.528	-.528	0	%100
92	M112	Z	.305	.305	0	%100
93	M113	X	-.528	-.528	0	%100
94	M113	Z	.305	.305	0	%100
95	M116	X	-9.429	-9.429	0	%100
96	M116	Z	5.444	5.444	0	%100
97	M119	X	-.528	-.528	0	%100
98	M119	Z	.305	.305	0	%100
99	M120	X	-.528	-.528	0	%100
100	M120	Z	.305	.305	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
101	M125	X	-.528	-.528	0	%100
102	M125	Z	.305	.305	0	%100
103	M126	X	-.528	-.528	0	%100
104	M126	Z	.305	.305	0	%100
105	M129	X	-9.429	-9.429	0	%100
106	M129	Z	5.444	5.444	0	%100
107	M132	X	-.528	-.528	0	%100
108	M132	Z	.305	.305	0	%100
109	M133	X	-.528	-.528	0	%100
110	M133	Z	.305	.305	0	%100
111	M125A	X	-13.958	-13.958	0	%100
112	M125A	Z	8.058	8.058	0	%100
113	M126A	X	-3.489	-3.489	0	%100
114	M126A	Z	2.015	2.015	0	%100
115	M133A	X	-4	-4	0	%100
116	M133A	Z	2.309	2.309	0	%100
117	M136	X	-20.283	-20.283	0	%100
118	M136	Z	11.71	11.71	0	%100
119	M137	X	-13.395	-13.395	0	%100
120	M137	Z	7.734	7.734	0	%100
121	M138	X	-20.283	-20.283	0	%100
122	M138	Z	11.71	11.71	0	%100
123	M137B	X	-4	-4	0	%100
124	M137B	Z	2.309	2.309	0	%100
125	M138A	X	-15.998	-15.998	0	%100
126	M138A	Z	9.237	9.237	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M5	X	-21.087	-21.087	0	%100
2	M5	Z	0	0	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	0	0	0	%100
5	M29	X	0	0	0	%100
6	M29	Z	0	0	0	%100
7	M80	X	0	0	0	%100
8	M80	Z	0	0	0	%100
9	M81	X	-2.102	-2.102	0	%100
10	M81	Z	0	0	0	%100
11	M82	X	-2.102	-2.102	0	%100
12	M82	Z	0	0	0	%100
13	M51	X	-41.985	-41.985	0	%100
14	M51	Z	0	0	0	%100
15	M53	X	-41.985	-41.985	0	%100
16	M53	Z	0	0	0	%100
17	MP1A	X	-13.314	-13.314	0	%100
18	MP1A	Z	0	0	0	%100
19	MP2A	X	-13.314	-13.314	0	%100
20	MP2A	Z	0	0	0	%100
21	MP4A	X	-13.314	-13.314	0	%100
22	MP4A	Z	0	0	0	%100
23	MP5A	X	-13.314	-13.314	0	%100
24	MP5A	Z	0	0	0	%100
25	MP3A	X	-16.117	-16.117	0	%100
26	MP3A	Z	0	0	0	%100
27	MP1C	X	-13.314	-13.314	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
28	MP1C	Z	0	0	0	%100
29	MP2C	X	-13.314	-13.314	0	%100
30	MP2C	Z	0	0	0	%100
31	MP4C	X	-13.314	-13.314	0	%100
32	MP4C	Z	0	0	0	%100
33	MP5C	X	-13.314	-13.314	0	%100
34	MP5C	Z	0	0	0	%100
35	MP3C	X	-16.117	-16.117	0	%100
36	MP3C	Z	0	0	0	%100
37	MP1B	X	-13.314	-13.314	0	%100
38	MP1B	Z	0	0	0	%100
39	MP2B	X	-13.314	-13.314	0	%100
40	MP2B	Z	0	0	0	%100
41	MP4B	X	-13.314	-13.314	0	%100
42	MP4B	Z	0	0	0	%100
43	MP5B	X	-13.314	-13.314	0	%100
44	MP5B	Z	0	0	0	%100
45	MP3B	X	-16.117	-16.117	0	%100
46	MP3B	Z	0	0	0	%100
47	M101	X	-10.887	-10.887	0	%100
48	M101	Z	0	0	0	%100
49	M106A	X	-5.272	-5.272	0	%100
50	M106A	Z	0	0	0	%100
51	M107A	X	-5.272	-5.272	0	%100
52	M107A	Z	0	0	0	%100
53	M85	X	0	0	0	%100
54	M85	Z	0	0	0	%100
55	M86A	X	0	0	0	%100
56	M86A	Z	0	0	0	%100
57	M87	X	0	0	0	%100
58	M87	Z	0	0	0	%100
59	M89B	X	-21.022	-21.022	0	%100
60	M89B	Z	0	0	0	%100
61	M90A	X	-21.428	-21.428	0	%100
62	M90A	Z	0	0	0	%100
63	M91A	X	-21.022	-21.022	0	%100
64	M91A	Z	0	0	0	%100
65	M93	X	-21.022	-21.022	0	%100
66	M93	Z	0	0	0	%100
67	M94A	X	-21.428	-21.428	0	%100
68	M94A	Z	0	0	0	%100
69	M95A	X	-21.022	-21.022	0	%100
70	M95A	Z	0	0	0	%100
71	M89C	X	-1.596	-1.596	0	%100
72	M89C	Z	0	0	0	%100
73	M90B	X	-1.596	-1.596	0	%100
74	M90B	Z	0	0	0	%100
75	M90C	X	-1.596	-1.596	0	%100
76	M90C	Z	0	0	0	%100
77	M91B	X	-1.596	-1.596	0	%100
78	M91B	Z	0	0	0	%100
79	M96	X	-8.735	-8.735	0	%100
80	M96	Z	0	0	0	%100
81	M99	X	-1.83	-1.83	0	%100
82	M99	Z	0	0	0	%100
83	M100A	X	-1.83	-1.83	0	%100
84	M100A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
85	M103A	X	-10.887	-10.887	0	%100
86	M103A	Z	0	0	0	%100
87	M106	X	-1.83	-1.83	0	%100
88	M106	Z	0	0	0	%100
89	M107	X	-1.83	-1.83	0	%100
90	M107	Z	0	0	0	%100
91	M112	X	-1.83	-1.83	0	%100
92	M112	Z	0	0	0	%100
93	M113	X	-1.83	-1.83	0	%100
94	M113	Z	0	0	0	%100
95	M116	X	-10.887	-10.887	0	%100
96	M116	Z	0	0	0	%100
97	M119	X	-1.83	-1.83	0	%100
98	M119	Z	0	0	0	%100
99	M120	X	-1.83	-1.83	0	%100
100	M120	Z	0	0	0	%100
101	M125	X	0	0	0	%100
102	M125	Z	0	0	0	%100
103	M126	X	0	0	0	%100
104	M126	Z	0	0	0	%100
105	M129	X	-10.887	-10.887	0	%100
106	M129	Z	0	0	0	%100
107	M132	X	0	0	0	%100
108	M132	Z	0	0	0	%100
109	M133	X	0	0	0	%100
110	M133	Z	0	0	0	%100
111	M125A	X	-12.088	-12.088	0	%100
112	M125A	Z	0	0	0	%100
113	M126A	X	-12.088	-12.088	0	%100
114	M126A	Z	0	0	0	%100
115	M133A	X	-13.855	-13.855	0	%100
116	M133A	Z	0	0	0	%100
117	M136	X	-26.071	-26.071	0	%100
118	M136	Z	0	0	0	%100
119	M137	X	-18.118	-18.118	0	%100
120	M137	Z	0	0	0	%100
121	M138	X	-18.118	-18.118	0	%100
122	M138	Z	0	0	0	%100
123	M137B	X	0	0	0	%100
124	M137B	Z	0	0	0	%100
125	M138A	X	-13.855	-13.855	0	%100
126	M138A	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	M5	X	-13.696	-13.696	0	%100
2	M5	Z	-7.908	-7.908	0	%100
3	M7	X	-12.12	-12.12	0	%100
4	M7	Z	-6.998	-6.998	0	%100
5	M29	X	-3.489	-3.489	0	%100
6	M29	Z	-2.015	-2.015	0	%100
7	M80	X	-.607	-.607	0	%100
8	M80	Z	-.35	-.35	0	%100
9	M81	X	-.607	-.607	0	%100
10	M81	Z	-.35	-.35	0	%100
11	M82	X	-2.427	-2.427	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
12	M82	Z	-1.401	-1.401	0	%100
13	M51	X	-12.12	-12.12	0	%100
14	M51	Z	-6.998	-6.998	0	%100
15	M53	X	-48.481	-48.481	0	%100
16	M53	Z	-27.99	-27.99	0	%100
17	MP1A	X	-11.53	-11.53	0	%100
18	MP1A	Z	-6.657	-6.657	0	%100
19	MP2A	X	-11.53	-11.53	0	%100
20	MP2A	Z	-6.657	-6.657	0	%100
21	MP4A	X	-11.53	-11.53	0	%100
22	MP4A	Z	-6.657	-6.657	0	%100
23	MP5A	X	-11.53	-11.53	0	%100
24	MP5A	Z	-6.657	-6.657	0	%100
25	MP3A	X	-13.958	-13.958	0	%100
26	MP3A	Z	-8.058	-8.058	0	%100
27	MP1C	X	-11.53	-11.53	0	%100
28	MP1C	Z	-6.657	-6.657	0	%100
29	MP2C	X	-11.53	-11.53	0	%100
30	MP2C	Z	-6.657	-6.657	0	%100
31	MP4C	X	-11.53	-11.53	0	%100
32	MP4C	Z	-6.657	-6.657	0	%100
33	MP5C	X	-11.53	-11.53	0	%100
34	MP5C	Z	-6.657	-6.657	0	%100
35	MP3C	X	-13.958	-13.958	0	%100
36	MP3C	Z	-8.058	-8.058	0	%100
37	MP1B	X	-11.53	-11.53	0	%100
38	MP1B	Z	-6.657	-6.657	0	%100
39	MP2B	X	-11.53	-11.53	0	%100
40	MP2B	Z	-6.657	-6.657	0	%100
41	MP4B	X	-11.53	-11.53	0	%100
42	MP4B	Z	-6.657	-6.657	0	%100
43	MP5B	X	-11.53	-11.53	0	%100
44	MP5B	Z	-6.657	-6.657	0	%100
45	MP3B	X	-13.958	-13.958	0	%100
46	MP3B	Z	-8.058	-8.058	0	%100
47	M101	X	-9.429	-9.429	0	%100
48	M101	Z	-5.444	-5.444	0	%100
49	M106A	X	-13.696	-13.696	0	%100
50	M106A	Z	-7.908	-7.908	0	%100
51	M107A	X	0	0	0	%100
52	M107A	Z	0	0	0	%100
53	M85	X	-6.069	-6.069	0	%100
54	M85	Z	-3.504	-3.504	0	%100
55	M86A	X	-6.186	-6.186	0	%100
56	M86A	Z	-3.571	-3.571	0	%100
57	M87	X	-6.069	-6.069	0	%100
58	M87	Z	-3.504	-3.504	0	%100
59	M89B	X	-6.069	-6.069	0	%100
60	M89B	Z	-3.504	-3.504	0	%100
61	M90A	X	-6.186	-6.186	0	%100
62	M90A	Z	-3.571	-3.571	0	%100
63	M91A	X	-6.069	-6.069	0	%100
64	M91A	Z	-3.504	-3.504	0	%100
65	M93	X	-24.274	-24.274	0	%100
66	M93	Z	-14.015	-14.015	0	%100
67	M94A	X	-24.743	-24.743	0	%100
68	M94A	Z	-14.286	-14.286	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
69	M95A	X	-24.274	-24.274	0	%100
70	M95A	Z	-14.015	-14.015	0	%100
71	M89C	X	-.461	-.461	0	%100
72	M89C	Z	-.266	-.266	0	%100
73	M90B	X	-.461	-.461	0	%100
74	M90B	Z	-.266	-.266	0	%100
75	M90C	X	-.461	-.461	0	%100
76	M90C	Z	-.266	-.266	0	%100
77	M91B	X	-.461	-.461	0	%100
78	M91B	Z	-.266	-.266	0	%100
79	M96	X	-7.565	-7.565	0	%100
80	M96	Z	-4.367	-4.367	0	%100
81	M99	X	-.528	-.528	0	%100
82	M99	Z	-.305	-.305	0	%100
83	M100A	X	-.528	-.528	0	%100
84	M100A	Z	-.305	-.305	0	%100
85	M103A	X	-9.429	-9.429	0	%100
86	M103A	Z	-5.444	-5.444	0	%100
87	M106	X	-.528	-.528	0	%100
88	M106	Z	-.305	-.305	0	%100
89	M107	X	-.528	-.528	0	%100
90	M107	Z	-.305	-.305	0	%100
91	M112	X	-2.113	-2.113	0	%100
92	M112	Z	-1.22	-1.22	0	%100
93	M113	X	-2.113	-2.113	0	%100
94	M113	Z	-1.22	-1.22	0	%100
95	M116	X	-9.429	-9.429	0	%100
96	M116	Z	-5.444	-5.444	0	%100
97	M119	X	-2.113	-2.113	0	%100
98	M119	Z	-1.22	-1.22	0	%100
99	M120	X	-2.113	-2.113	0	%100
100	M120	Z	-1.22	-1.22	0	%100
101	M125	X	-.528	-.528	0	%100
102	M125	Z	-.305	-.305	0	%100
103	M126	X	-.528	-.528	0	%100
104	M126	Z	-.305	-.305	0	%100
105	M129	X	-9.429	-9.429	0	%100
106	M129	Z	-5.444	-5.444	0	%100
107	M132	X	-.528	-.528	0	%100
108	M132	Z	-.305	-.305	0	%100
109	M133	X	-.528	-.528	0	%100
110	M133	Z	-.305	-.305	0	%100
111	M125A	X	-3.489	-3.489	0	%100
112	M125A	Z	-2.015	-2.015	0	%100
113	M126A	X	-13.958	-13.958	0	%100
114	M126A	Z	-8.058	-8.058	0	%100
115	M133A	X	-15.998	-15.998	0	%100
116	M133A	Z	-9.237	-9.237	0	%100
117	M136	X	-20.283	-20.283	0	%100
118	M136	Z	-11.71	-11.71	0	%100
119	M137	X	-20.283	-20.283	0	%100
120	M137	Z	-11.71	-11.71	0	%100
121	M138	X	-13.395	-13.395	0	%100
122	M138	Z	-7.734	-7.734	0	%100
123	M137B	X	-4	-4	0	%100
124	M137B	Z	-2.309	-2.309	0	%100
125	M138A	X	-4	-4	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
126	M138A	Z	-2.309	-2.309	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M5	X	-2.636	-2.636	0	%100
2	M5	Z	-4.565	-4.565	0	%100
3	M7	X	-20.993	-20.993	0	%100
4	M7	Z	-36.36	-36.36	0	%100
5	M29	X	-6.044	-6.044	0	%100
6	M29	Z	-10.468	-10.468	0	%100
7	M80	X	-1.051	-1.051	0	%100
8	M80	Z	-1.821	-1.821	0	%100
9	M81	X	0	0	0	%100
10	M81	Z	0	0	0	%100
11	M82	X	-1.051	-1.051	0	%100
12	M82	Z	-1.821	-1.821	0	%100
13	M51	X	0	0	0	%100
14	M51	Z	0	0	0	%100
15	M53	X	-20.993	-20.993	0	%100
16	M53	Z	-36.36	-36.36	0	%100
17	MP1A	X	-6.657	-6.657	0	%100
18	MP1A	Z	-11.53	-11.53	0	%100
19	MP2A	X	-6.657	-6.657	0	%100
20	MP2A	Z	-11.53	-11.53	0	%100
21	MP4A	X	-6.657	-6.657	0	%100
22	MP4A	Z	-11.53	-11.53	0	%100
23	MP5A	X	-6.657	-6.657	0	%100
24	MP5A	Z	-11.53	-11.53	0	%100
25	MP3A	X	-8.058	-8.058	0	%100
26	MP3A	Z	-13.958	-13.958	0	%100
27	MP1C	X	-6.657	-6.657	0	%100
28	MP1C	Z	-11.53	-11.53	0	%100
29	MP2C	X	-6.657	-6.657	0	%100
30	MP2C	Z	-11.53	-11.53	0	%100
31	MP4C	X	-6.657	-6.657	0	%100
32	MP4C	Z	-11.53	-11.53	0	%100
33	MP5C	X	-6.657	-6.657	0	%100
34	MP5C	Z	-11.53	-11.53	0	%100
35	MP3C	X	-8.058	-8.058	0	%100
36	MP3C	Z	-13.958	-13.958	0	%100
37	MP1B	X	-6.657	-6.657	0	%100
38	MP1B	Z	-11.53	-11.53	0	%100
39	MP2B	X	-6.657	-6.657	0	%100
40	MP2B	Z	-11.53	-11.53	0	%100
41	MP4B	X	-6.657	-6.657	0	%100
42	MP4B	Z	-11.53	-11.53	0	%100
43	MP5B	X	-6.657	-6.657	0	%100
44	MP5B	Z	-11.53	-11.53	0	%100
45	MP3B	X	-8.058	-8.058	0	%100
46	MP3B	Z	-13.958	-13.958	0	%100
47	M101	X	-5.444	-5.444	0	%100
48	M101	Z	-9.429	-9.429	0	%100
49	M106A	X	-10.543	-10.543	0	%100
50	M106A	Z	-18.262	-18.262	0	%100
51	M107A	X	-2.636	-2.636	0	%100
52	M107A	Z	-4.565	-4.565	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	M85	X	-10.511	-10.511	0	%100
54	M85	Z	-18.206	-18.206	0	%100
55	M86A	X	-10.714	-10.714	0	%100
56	M86A	Z	-18.557	-18.557	0	%100
57	M87	X	-10.511	-10.511	0	%100
58	M87	Z	-18.206	-18.206	0	%100
59	M89B	X	0	0	0	%100
60	M89B	Z	0	0	0	%100
61	M90A	X	0	0	0	%100
62	M90A	Z	0	0	0	%100
63	M91A	X	0	0	0	%100
64	M91A	Z	0	0	0	%100
65	M93	X	-10.511	-10.511	0	%100
66	M93	Z	-18.206	-18.206	0	%100
67	M94A	X	-10.714	-10.714	0	%100
68	M94A	Z	-18.557	-18.557	0	%100
69	M95A	X	-10.511	-10.511	0	%100
70	M95A	Z	-18.206	-18.206	0	%100
71	M89C	X	0	0	0	%100
72	M89C	Z	0	0	0	%100
73	M90B	X	0	0	0	%100
74	M90B	Z	0	0	0	%100
75	M90C	X	0	0	0	%100
76	M90C	Z	0	0	0	%100
77	M91B	X	0	0	0	%100
78	M91B	Z	0	0	0	%100
79	M96	X	-4.367	-4.367	0	%100
80	M96	Z	-7.565	-7.565	0	%100
81	M99	X	0	0	0	%100
82	M99	Z	0	0	0	%100
83	M100A	X	0	0	0	%100
84	M100A	Z	0	0	0	%100
85	M103A	X	-5.444	-5.444	0	%100
86	M103A	Z	-9.429	-9.429	0	%100
87	M106	X	0	0	0	%100
88	M106	Z	0	0	0	%100
89	M107	X	0	0	0	%100
90	M107	Z	0	0	0	%100
91	M112	X	-.915	-.915	0	%100
92	M112	Z	-1.585	-1.585	0	%100
93	M113	X	-.915	-.915	0	%100
94	M113	Z	-1.585	-1.585	0	%100
95	M116	X	-5.444	-5.444	0	%100
96	M116	Z	-9.429	-9.429	0	%100
97	M119	X	-.915	-.915	0	%100
98	M119	Z	-1.585	-1.585	0	%100
99	M120	X	-.915	-.915	0	%100
100	M120	Z	-1.585	-1.585	0	%100
101	M125	X	-.915	-.915	0	%100
102	M125	Z	-1.585	-1.585	0	%100
103	M126	X	-.915	-.915	0	%100
104	M126	Z	-1.585	-1.585	0	%100
105	M129	X	-5.444	-5.444	0	%100
106	M129	Z	-9.429	-9.429	0	%100
107	M132	X	-.915	-.915	0	%100
108	M132	Z	-1.585	-1.585	0	%100
109	M133	X	-.915	-.915	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
110	M133	Z	-1.585	-1.585	0	%100
111	M125A	X	0	0	0	%100
112	M125A	Z	0	0	0	%100
113	M126A	X	-6.044	-6.044	0	%100
114	M126A	Z	-10.468	-10.468	0	%100
115	M133A	X	-6.927	-6.927	0	%100
116	M133A	Z	-11.999	-11.999	0	%100
117	M136	X	-9.059	-9.059	0	%100
118	M136	Z	-15.691	-15.691	0	%100
119	M137	X	-13.036	-13.036	0	%100
120	M137	Z	-22.578	-22.578	0	%100
121	M138	X	-9.059	-9.059	0	%100
122	M138	Z	-15.691	-15.691	0	%100
123	M137B	X	-6.927	-6.927	0	%100
124	M137B	Z	-11.999	-11.999	0	%100
125	M138A	X	0	0	0	%100
126	M138A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M5	X	0	0	0	%100
2	M5	Z	0	0	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	-15.138	-15.138	0	%100
5	M29	X	0	0	0	%100
6	M29	Z	-7.59	-7.59	0	%100
7	M80	X	0	0	0	%100
8	M80	Z	-3.261	-3.261	0	%100
9	M81	X	0	0	0	%100
10	M81	Z	-.815	-.815	0	%100
11	M82	X	0	0	0	%100
12	M82	Z	-.815	-.815	0	%100
13	M51	X	0	0	0	%100
14	M51	Z	-3.784	-3.784	0	%100
15	M53	X	0	0	0	%100
16	M53	Z	-3.784	-3.784	0	%100
17	MP1A	X	0	0	0	%100
18	MP1A	Z	-6.138	-6.138	0	%100
19	MP2A	X	0	0	0	%100
20	MP2A	Z	-6.138	-6.138	0	%100
21	MP4A	X	0	0	0	%100
22	MP4A	Z	-6.138	-6.138	0	%100
23	MP5A	X	0	0	0	%100
24	MP5A	Z	-6.138	-6.138	0	%100
25	MP3A	X	0	0	0	%100
26	MP3A	Z	-7.14	-7.14	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	-6.138	-6.138	0	%100
29	MP2C	X	0	0	0	%100
30	MP2C	Z	-6.138	-6.138	0	%100
31	MP4C	X	0	0	0	%100
32	MP4C	Z	-6.138	-6.138	0	%100
33	MP5C	X	0	0	0	%100
34	MP5C	Z	-6.138	-6.138	0	%100
35	MP3C	X	0	0	0	%100
36	MP3C	Z	-7.14	-7.14	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	MP1B	X	0	0	0	%100
38	MP1B	Z	-6.138	-6.138	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	-6.138	-6.138	0	%100
41	MP4B	X	0	0	0	%100
42	MP4B	Z	-6.138	-6.138	0	%100
43	MP5B	X	0	0	0	%100
44	MP5B	Z	-6.138	-6.138	0	%100
45	MP3B	X	0	0	0	%100
46	MP3B	Z	-7.14	-7.14	0	%100
47	M101	X	0	0	0	%100
48	M101	Z	-5.206	-5.206	0	%100
49	M106A	X	0	0	0	%100
50	M106A	Z	-5.928	-5.928	0	%100
51	M107A	X	0	0	0	%100
52	M107A	Z	-5.928	-5.928	0	%100
53	M85	X	0	0	0	%100
54	M85	Z	-7.954	-7.954	0	%100
55	M86A	X	0	0	0	%100
56	M86A	Z	-9.129	-9.129	0	%100
57	M87	X	0	0	0	%100
58	M87	Z	-7.954	-7.954	0	%100
59	M89B	X	0	0	0	%100
60	M89B	Z	-1.989	-1.989	0	%100
61	M90A	X	0	0	0	%100
62	M90A	Z	-2.282	-2.282	0	%100
63	M91A	X	0	0	0	%100
64	M91A	Z	-1.989	-1.989	0	%100
65	M93	X	0	0	0	%100
66	M93	Z	-1.989	-1.989	0	%100
67	M94A	X	0	0	0	%100
68	M94A	Z	-2.282	-2.282	0	%100
69	M95A	X	0	0	0	%100
70	M95A	Z	-1.989	-1.989	0	%100
71	M89C	X	0	0	0	%100
72	M89C	Z	-.763	-.763	0	%100
73	M90B	X	0	0	0	%100
74	M90B	Z	-.763	-.763	0	%100
75	M90C	X	0	0	0	%100
76	M90C	Z	-.763	-.763	0	%100
77	M91B	X	0	0	0	%100
78	M91B	Z	-.763	-.763	0	%100
79	M96	X	0	0	0	%100
80	M96	Z	-4.799	-4.799	0	%100
81	M99	X	0	0	0	%100
82	M99	Z	-.777	-.777	0	%100
83	M100A	X	0	0	0	%100
84	M100A	Z	-.777	-.777	0	%100
85	M103A	X	0	0	0	%100
86	M103A	Z	-5.206	-5.206	0	%100
87	M106	X	0	0	0	%100
88	M106	Z	-.777	-.777	0	%100
89	M107	X	0	0	0	%100
90	M107	Z	-.777	-.777	0	%100
91	M112	X	0	0	0	%100
92	M112	Z	-.777	-.777	0	%100
93	M113	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
94	M113	Z	-.777	-.777	0	%100
95	M116	X	0	0	0	%100
96	M116	Z	-5.206	-5.206	0	%100
97	M119	X	0	0	0	%100
98	M119	Z	-.777	-.777	0	%100
99	M120	X	0	0	0	%100
100	M120	Z	-.777	-.777	0	%100
101	M125	X	0	0	0	%100
102	M125	Z	-3.11	-3.11	0	%100
103	M126	X	0	0	0	%100
104	M126	Z	-3.11	-3.11	0	%100
105	M129	X	0	0	0	%100
106	M129	Z	-5.206	-5.206	0	%100
107	M132	X	0	0	0	%100
108	M132	Z	-3.11	-3.11	0	%100
109	M133	X	0	0	0	%100
110	M133	Z	-3.11	-3.11	0	%100
111	M125A	X	0	0	0	%100
112	M125A	Z	-1.898	-1.898	0	%100
113	M126A	X	0	0	0	%100
114	M126A	Z	-1.898	-1.898	0	%100
115	M133A	X	0	0	0	%100
116	M133A	Z	-1.56	-1.56	0	%100
117	M136	X	0	0	0	%100
118	M136	Z	-4.147	-4.147	0	%100
119	M137	X	0	0	0	%100
120	M137	Z	-7.487	-7.487	0	%100
121	M138	X	0	0	0	%100
122	M138	Z	-7.487	-7.487	0	%100
123	M137B	X	0	0	0	%100
124	M137B	Z	-6.239	-6.239	0	%100
125	M138A	X	0	0	0	%100
126	M138A	Z	-1.56	-1.56	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M5	X	.988	.988	0	%100
2	M5	Z	-1.711	-1.711	0	%100
3	M7	X	5.677	5.677	0	%100
4	M7	Z	-9.832	-9.832	0	%100
5	M29	X	2.846	2.846	0	%100
6	M29	Z	-4.93	-4.93	0	%100
7	M80	X	1.223	1.223	0	%100
8	M80	Z	-2.118	-2.118	0	%100
9	M81	X	1.223	1.223	0	%100
10	M81	Z	-2.118	-2.118	0	%100
11	M82	X	0	0	0	%100
12	M82	Z	0	0	0	%100
13	M51	X	5.677	5.677	0	%100
14	M51	Z	-9.832	-9.832	0	%100
15	M53	X	0	0	0	%100
16	M53	Z	0	0	0	%100
17	MP1A	X	3.069	3.069	0	%100
18	MP1A	Z	-5.315	-5.315	0	%100
19	MP2A	X	3.069	3.069	0	%100
20	MP2A	Z	-5.315	-5.315	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
21	MP4A	X	3.069	3.069	0	%100
22	MP4A	Z	-5.315	-5.315	0	%100
23	MP5A	X	3.069	3.069	0	%100
24	MP5A	Z	-5.315	-5.315	0	%100
25	MP3A	X	3.57	3.57	0	%100
26	MP3A	Z	-6.183	-6.183	0	%100
27	MP1C	X	3.069	3.069	0	%100
28	MP1C	Z	-5.315	-5.315	0	%100
29	MP2C	X	3.069	3.069	0	%100
30	MP2C	Z	-5.315	-5.315	0	%100
31	MP4C	X	3.069	3.069	0	%100
32	MP4C	Z	-5.315	-5.315	0	%100
33	MP5C	X	3.069	3.069	0	%100
34	MP5C	Z	-5.315	-5.315	0	%100
35	MP3C	X	3.57	3.57	0	%100
36	MP3C	Z	-6.183	-6.183	0	%100
37	MP1B	X	3.069	3.069	0	%100
38	MP1B	Z	-5.315	-5.315	0	%100
39	MP2B	X	3.069	3.069	0	%100
40	MP2B	Z	-5.315	-5.315	0	%100
41	MP4B	X	3.069	3.069	0	%100
42	MP4B	Z	-5.315	-5.315	0	%100
43	MP5B	X	3.069	3.069	0	%100
44	MP5B	Z	-5.315	-5.315	0	%100
45	MP3B	X	3.57	3.57	0	%100
46	MP3B	Z	-6.183	-6.183	0	%100
47	M101	X	2.603	2.603	0	%100
48	M101	Z	-4.509	-4.509	0	%100
49	M106A	X	.988	.988	0	%100
50	M106A	Z	-1.711	-1.711	0	%100
51	M107A	X	3.952	3.952	0	%100
52	M107A	Z	-6.845	-6.845	0	%100
53	M85	X	2.983	2.983	0	%100
54	M85	Z	-5.167	-5.167	0	%100
55	M86A	X	3.423	3.423	0	%100
56	M86A	Z	-5.929	-5.929	0	%100
57	M87	X	2.983	2.983	0	%100
58	M87	Z	-5.167	-5.167	0	%100
59	M89B	X	2.983	2.983	0	%100
60	M89B	Z	-5.167	-5.167	0	%100
61	M90A	X	3.423	3.423	0	%100
62	M90A	Z	-5.929	-5.929	0	%100
63	M91A	X	2.983	2.983	0	%100
64	M91A	Z	-5.167	-5.167	0	%100
65	M93	X	0	0	0	%100
66	M93	Z	0	0	0	%100
67	M94A	X	0	0	0	%100
68	M94A	Z	0	0	0	%100
69	M95A	X	0	0	0	%100
70	M95A	Z	0	0	0	%100
71	M89C	X	1.144	1.144	0	%100
72	M89C	Z	-1.982	-1.982	0	%100
73	M90B	X	1.144	1.144	0	%100
74	M90B	Z	-1.982	-1.982	0	%100
75	M90C	X	1.144	1.144	0	%100
76	M90C	Z	-1.982	-1.982	0	%100
77	M91B	X	1.144	1.144	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
78	M91B	Z	-1.982	-1.982	0	%100
79	M96	X	2.399	2.399	0	%100
80	M96	Z	-4.156	-4.156	0	%100
81	M99	X	1.166	1.166	0	%100
82	M99	Z	-2.02	-2.02	0	%100
83	M100A	X	1.166	1.166	0	%100
84	M100A	Z	-2.02	-2.02	0	%100
85	M103A	X	2.603	2.603	0	%100
86	M103A	Z	-4.509	-4.509	0	%100
87	M106	X	1.166	1.166	0	%100
88	M106	Z	-2.02	-2.02	0	%100
89	M107	X	1.166	1.166	0	%100
90	M107	Z	-2.02	-2.02	0	%100
91	M112	X	0	0	0	%100
92	M112	Z	0	0	0	%100
93	M113	X	0	0	0	%100
94	M113	Z	0	0	0	%100
95	M116	X	2.603	2.603	0	%100
96	M116	Z	-4.509	-4.509	0	%100
97	M119	X	0	0	0	%100
98	M119	Z	0	0	0	%100
99	M120	X	0	0	0	%100
100	M120	Z	0	0	0	%100
101	M125	X	1.166	1.166	0	%100
102	M125	Z	-2.02	-2.02	0	%100
103	M126	X	1.166	1.166	0	%100
104	M126	Z	-2.02	-2.02	0	%100
105	M129	X	2.603	2.603	0	%100
106	M129	Z	-4.509	-4.509	0	%100
107	M132	X	1.166	1.166	0	%100
108	M132	Z	-2.02	-2.02	0	%100
109	M133	X	1.166	1.166	0	%100
110	M133	Z	-2.02	-2.02	0	%100
111	M125A	X	2.846	2.846	0	%100
112	M125A	Z	-4.93	-4.93	0	%100
113	M126A	X	0	0	0	%100
114	M126A	Z	0	0	0	%100
115	M133A	X	0	0	0	%100
116	M133A	Z	0	0	0	%100
117	M136	X	2.63	2.63	0	%100
118	M136	Z	-4.556	-4.556	0	%100
119	M137	X	2.63	2.63	0	%100
120	M137	Z	-4.556	-4.556	0	%100
121	M138	X	4.3	4.3	0	%100
122	M138	Z	-7.448	-7.448	0	%100
123	M137B	X	2.34	2.34	0	%100
124	M137B	Z	-4.053	-4.053	0	%100
125	M138A	X	2.34	2.34	0	%100
126	M138A	Z	-4.053	-4.053	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	M5	X	5.134	5.134	0	%100
2	M5	Z	-2.964	-2.964	0	%100
3	M7	X	3.277	3.277	0	%100
4	M7	Z	-1.892	-1.892	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
5	M29	X	1.643	1.643	0	%100
6	M29	Z	-.949	-.949	0	%100
7	M80	X	.706	.706	0	%100
8	M80	Z	-.408	-.408	0	%100
9	M81	X	2.824	2.824	0	%100
10	M81	Z	-1.631	-1.631	0	%100
11	M82	X	.706	.706	0	%100
12	M82	Z	-.408	-.408	0	%100
13	M51	X	13.11	13.11	0	%100
14	M51	Z	-7.569	-7.569	0	%100
15	M53	X	3.277	3.277	0	%100
16	M53	Z	-1.892	-1.892	0	%100
17	MP1A	X	5.315	5.315	0	%100
18	MP1A	Z	-3.069	-3.069	0	%100
19	MP2A	X	5.315	5.315	0	%100
20	MP2A	Z	-3.069	-3.069	0	%100
21	MP4A	X	5.315	5.315	0	%100
22	MP4A	Z	-3.069	-3.069	0	%100
23	MP5A	X	5.315	5.315	0	%100
24	MP5A	Z	-3.069	-3.069	0	%100
25	MP3A	X	6.183	6.183	0	%100
26	MP3A	Z	-3.57	-3.57	0	%100
27	MP1C	X	5.315	5.315	0	%100
28	MP1C	Z	-3.069	-3.069	0	%100
29	MP2C	X	5.315	5.315	0	%100
30	MP2C	Z	-3.069	-3.069	0	%100
31	MP4C	X	5.315	5.315	0	%100
32	MP4C	Z	-3.069	-3.069	0	%100
33	MP5C	X	5.315	5.315	0	%100
34	MP5C	Z	-3.069	-3.069	0	%100
35	MP3C	X	6.183	6.183	0	%100
36	MP3C	Z	-3.57	-3.57	0	%100
37	MP1B	X	5.315	5.315	0	%100
38	MP1B	Z	-3.069	-3.069	0	%100
39	MP2B	X	5.315	5.315	0	%100
40	MP2B	Z	-3.069	-3.069	0	%100
41	MP4B	X	5.315	5.315	0	%100
42	MP4B	Z	-3.069	-3.069	0	%100
43	MP5B	X	5.315	5.315	0	%100
44	MP5B	Z	-3.069	-3.069	0	%100
45	MP3B	X	6.183	6.183	0	%100
46	MP3B	Z	-3.57	-3.57	0	%100
47	M101	X	4.509	4.509	0	%100
48	M101	Z	-2.603	-2.603	0	%100
49	M106A	X	0	0	0	%100
50	M106A	Z	0	0	0	%100
51	M107A	X	5.134	5.134	0	%100
52	M107A	Z	-2.964	-2.964	0	%100
53	M85	X	1.722	1.722	0	%100
54	M85	Z	-.994	-.994	0	%100
55	M86A	X	1.976	1.976	0	%100
56	M86A	Z	-1.141	-1.141	0	%100
57	M87	X	1.722	1.722	0	%100
58	M87	Z	-.994	-.994	0	%100
59	M89B	X	6.889	6.889	0	%100
60	M89B	Z	-3.977	-3.977	0	%100
61	M90A	X	7.906	7.906	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
62	M90A	Z	-4.564	-4.564	0	%100
63	M91A	X	6.889	6.889	0	%100
64	M91A	Z	-3.977	-3.977	0	%100
65	M93	X	1.722	1.722	0	%100
66	M93	Z	-.994	-.994	0	%100
67	M94A	X	1.976	1.976	0	%100
68	M94A	Z	-1.141	-1.141	0	%100
69	M95A	X	1.722	1.722	0	%100
70	M95A	Z	-.994	-.994	0	%100
71	M89C	X	2.642	2.642	0	%100
72	M89C	Z	-1.525	-1.525	0	%100
73	M90B	X	2.642	2.642	0	%100
74	M90B	Z	-1.525	-1.525	0	%100
75	M90C	X	2.642	2.642	0	%100
76	M90C	Z	-1.525	-1.525	0	%100
77	M91B	X	2.642	2.642	0	%100
78	M91B	Z	-1.525	-1.525	0	%100
79	M96	X	4.156	4.156	0	%100
80	M96	Z	-2.399	-2.399	0	%100
81	M99	X	2.693	2.693	0	%100
82	M99	Z	-1.555	-1.555	0	%100
83	M100A	X	2.693	2.693	0	%100
84	M100A	Z	-1.555	-1.555	0	%100
85	M103A	X	4.509	4.509	0	%100
86	M103A	Z	-2.603	-2.603	0	%100
87	M106	X	2.693	2.693	0	%100
88	M106	Z	-1.555	-1.555	0	%100
89	M107	X	2.693	2.693	0	%100
90	M107	Z	-1.555	-1.555	0	%100
91	M112	X	.673	.673	0	%100
92	M112	Z	-.389	-.389	0	%100
93	M113	X	.673	.673	0	%100
94	M113	Z	-.389	-.389	0	%100
95	M116	X	4.509	4.509	0	%100
96	M116	Z	-2.603	-2.603	0	%100
97	M119	X	.673	.673	0	%100
98	M119	Z	-.389	-.389	0	%100
99	M120	X	.673	.673	0	%100
100	M120	Z	-.389	-.389	0	%100
101	M125	X	.673	.673	0	%100
102	M125	Z	-.389	-.389	0	%100
103	M126	X	.673	.673	0	%100
104	M126	Z	-.389	-.389	0	%100
105	M129	X	4.509	4.509	0	%100
106	M129	Z	-2.603	-2.603	0	%100
107	M132	X	.673	.673	0	%100
108	M132	Z	-.389	-.389	0	%100
109	M133	X	.673	.673	0	%100
110	M133	Z	-.389	-.389	0	%100
111	M125A	X	6.574	6.574	0	%100
112	M125A	Z	-3.795	-3.795	0	%100
113	M126A	X	1.643	1.643	0	%100
114	M126A	Z	-.949	-.949	0	%100
115	M133A	X	1.351	1.351	0	%100
116	M133A	Z	-.78	-.78	0	%100
117	M136	X	6.484	6.484	0	%100
118	M136	Z	-3.744	-3.744	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
119	M137	X	3.591	3.591	0	%100
120	M137	Z	-2.074	-2.074	0	%100
121	M138	X	6.484	6.484	0	%100
122	M138	Z	-3.744	-3.744	0	%100
123	M137B	X	1.351	1.351	0	%100
124	M137B	Z	-.78	-.78	0	%100
125	M138A	X	5.403	5.403	0	%100
126	M138A	Z	-3.12	-3.12	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M5	X	7.904	7.904	0	%100
2	M5	Z	0	0	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	0	0	0	%100
5	M29	X	0	0	0	%100
6	M29	Z	0	0	0	%100
7	M80	X	0	0	0	%100
8	M80	Z	0	0	0	%100
9	M81	X	2.446	2.446	0	%100
10	M81	Z	0	0	0	%100
11	M82	X	2.446	2.446	0	%100
12	M82	Z	0	0	0	%100
13	M51	X	11.353	11.353	0	%100
14	M51	Z	0	0	0	%100
15	M53	X	11.353	11.353	0	%100
16	M53	Z	0	0	0	%100
17	MP1A	X	6.138	6.138	0	%100
18	MP1A	Z	0	0	0	%100
19	MP2A	X	6.138	6.138	0	%100
20	MP2A	Z	0	0	0	%100
21	MP4A	X	6.138	6.138	0	%100
22	MP4A	Z	0	0	0	%100
23	MP5A	X	6.138	6.138	0	%100
24	MP5A	Z	0	0	0	%100
25	MP3A	X	7.14	7.14	0	%100
26	MP3A	Z	0	0	0	%100
27	MP1C	X	6.138	6.138	0	%100
28	MP1C	Z	0	0	0	%100
29	MP2C	X	6.138	6.138	0	%100
30	MP2C	Z	0	0	0	%100
31	MP4C	X	6.138	6.138	0	%100
32	MP4C	Z	0	0	0	%100
33	MP5C	X	6.138	6.138	0	%100
34	MP5C	Z	0	0	0	%100
35	MP3C	X	7.14	7.14	0	%100
36	MP3C	Z	0	0	0	%100
37	MP1B	X	6.138	6.138	0	%100
38	MP1B	Z	0	0	0	%100
39	MP2B	X	6.138	6.138	0	%100
40	MP2B	Z	0	0	0	%100
41	MP4B	X	6.138	6.138	0	%100
42	MP4B	Z	0	0	0	%100
43	MP5B	X	6.138	6.138	0	%100
44	MP5B	Z	0	0	0	%100
45	MP3B	X	7.14	7.14	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	MP3B	Z	0	0	0	%100
47	M101	X	5.206	5.206	0	%100
48	M101	Z	0	0	0	%100
49	M106A	X	1.976	1.976	0	%100
50	M106A	Z	0	0	0	%100
51	M107A	X	1.976	1.976	0	%100
52	M107A	Z	0	0	0	%100
53	M85	X	0	0	0	%100
54	M85	Z	0	0	0	%100
55	M86A	X	0	0	0	%100
56	M86A	Z	0	0	0	%100
57	M87	X	0	0	0	%100
58	M87	Z	0	0	0	%100
59	M89B	X	5.966	5.966	0	%100
60	M89B	Z	0	0	0	%100
61	M90A	X	6.847	6.847	0	%100
62	M90A	Z	0	0	0	%100
63	M91A	X	5.966	5.966	0	%100
64	M91A	Z	0	0	0	%100
65	M93	X	5.966	5.966	0	%100
66	M93	Z	0	0	0	%100
67	M94A	X	6.847	6.847	0	%100
68	M94A	Z	0	0	0	%100
69	M95A	X	5.966	5.966	0	%100
70	M95A	Z	0	0	0	%100
71	M89C	X	2.288	2.288	0	%100
72	M89C	Z	0	0	0	%100
73	M90B	X	2.288	2.288	0	%100
74	M90B	Z	0	0	0	%100
75	M90C	X	2.288	2.288	0	%100
76	M90C	Z	0	0	0	%100
77	M91B	X	2.288	2.288	0	%100
78	M91B	Z	0	0	0	%100
79	M96	X	4.799	4.799	0	%100
80	M96	Z	0	0	0	%100
81	M99	X	2.332	2.332	0	%100
82	M99	Z	0	0	0	%100
83	M100A	X	2.332	2.332	0	%100
84	M100A	Z	0	0	0	%100
85	M103A	X	5.206	5.206	0	%100
86	M103A	Z	0	0	0	%100
87	M106	X	2.332	2.332	0	%100
88	M106	Z	0	0	0	%100
89	M107	X	2.332	2.332	0	%100
90	M107	Z	0	0	0	%100
91	M112	X	2.332	2.332	0	%100
92	M112	Z	0	0	0	%100
93	M113	X	2.332	2.332	0	%100
94	M113	Z	0	0	0	%100
95	M116	X	5.206	5.206	0	%100
96	M116	Z	0	0	0	%100
97	M119	X	2.332	2.332	0	%100
98	M119	Z	0	0	0	%100
99	M120	X	2.332	2.332	0	%100
100	M120	Z	0	0	0	%100
101	M125	X	0	0	0	%100
102	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
103	M126	X	0	0	0	%100
104	M126	Z	0	0	0	%100
105	M129	X	5.206	5.206	0	%100
106	M129	Z	0	0	0	%100
107	M132	X	0	0	0	%100
108	M132	Z	0	0	0	%100
109	M133	X	0	0	0	%100
110	M133	Z	0	0	0	%100
111	M125A	X	5.693	5.693	0	%100
112	M125A	Z	0	0	0	%100
113	M126A	X	5.693	5.693	0	%100
114	M126A	Z	0	0	0	%100
115	M133A	X	4.679	4.679	0	%100
116	M133A	Z	0	0	0	%100
117	M136	X	8.601	8.601	0	%100
118	M136	Z	0	0	0	%100
119	M137	X	5.26	5.26	0	%100
120	M137	Z	0	0	0	%100
121	M138	X	5.26	5.26	0	%100
122	M138	Z	0	0	0	%100
123	M137B	X	0	0	0	%100
124	M137B	Z	0	0	0	%100
125	M138A	X	4.679	4.679	0	%100
126	M138A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M5	X	5.134	5.134	0	%100
2	M5	Z	2.964	2.964	0	%100
3	M7	X	3.277	3.277	0	%100
4	M7	Z	1.892	1.892	0	%100
5	M29	X	1.643	1.643	0	%100
6	M29	Z	.949	.949	0	%100
7	M80	X	.706	.706	0	%100
8	M80	Z	.408	.408	0	%100
9	M81	X	.706	.706	0	%100
10	M81	Z	.408	.408	0	%100
11	M82	X	2.824	2.824	0	%100
12	M82	Z	1.631	1.631	0	%100
13	M51	X	3.277	3.277	0	%100
14	M51	Z	1.892	1.892	0	%100
15	M53	X	13.11	13.11	0	%100
16	M53	Z	7.569	7.569	0	%100
17	MP1A	X	5.315	5.315	0	%100
18	MP1A	Z	3.069	3.069	0	%100
19	MP2A	X	5.315	5.315	0	%100
20	MP2A	Z	3.069	3.069	0	%100
21	MP4A	X	5.315	5.315	0	%100
22	MP4A	Z	3.069	3.069	0	%100
23	MP5A	X	5.315	5.315	0	%100
24	MP5A	Z	3.069	3.069	0	%100
25	MP3A	X	6.183	6.183	0	%100
26	MP3A	Z	3.57	3.57	0	%100
27	MP1C	X	5.315	5.315	0	%100
28	MP1C	Z	3.069	3.069	0	%100
29	MP2C	X	5.315	5.315	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
30	MP2C	Z	3.069	3.069	0	%100
31	MP4C	X	5.315	5.315	0	%100
32	MP4C	Z	3.069	3.069	0	%100
33	MP5C	X	5.315	5.315	0	%100
34	MP5C	Z	3.069	3.069	0	%100
35	MP3C	X	6.183	6.183	0	%100
36	MP3C	Z	3.57	3.57	0	%100
37	MP1B	X	5.315	5.315	0	%100
38	MP1B	Z	3.069	3.069	0	%100
39	MP2B	X	5.315	5.315	0	%100
40	MP2B	Z	3.069	3.069	0	%100
41	MP4B	X	5.315	5.315	0	%100
42	MP4B	Z	3.069	3.069	0	%100
43	MP5B	X	5.315	5.315	0	%100
44	MP5B	Z	3.069	3.069	0	%100
45	MP3B	X	6.183	6.183	0	%100
46	MP3B	Z	3.57	3.57	0	%100
47	M101	X	4.509	4.509	0	%100
48	M101	Z	2.603	2.603	0	%100
49	M106A	X	5.134	5.134	0	%100
50	M106A	Z	2.964	2.964	0	%100
51	M107A	X	0	0	0	%100
52	M107A	Z	0	0	0	%100
53	M85	X	1.722	1.722	0	%100
54	M85	Z	.994	.994	0	%100
55	M86A	X	1.976	1.976	0	%100
56	M86A	Z	1.141	1.141	0	%100
57	M87	X	1.722	1.722	0	%100
58	M87	Z	.994	.994	0	%100
59	M89B	X	1.722	1.722	0	%100
60	M89B	Z	.994	.994	0	%100
61	M90A	X	1.976	1.976	0	%100
62	M90A	Z	1.141	1.141	0	%100
63	M91A	X	1.722	1.722	0	%100
64	M91A	Z	.994	.994	0	%100
65	M93	X	6.889	6.889	0	%100
66	M93	Z	3.977	3.977	0	%100
67	M94A	X	7.906	7.906	0	%100
68	M94A	Z	4.564	4.564	0	%100
69	M95A	X	6.889	6.889	0	%100
70	M95A	Z	3.977	3.977	0	%100
71	M89C	X	.66	.66	0	%100
72	M89C	Z	.381	.381	0	%100
73	M90B	X	.66	.66	0	%100
74	M90B	Z	.381	.381	0	%100
75	M90C	X	.66	.66	0	%100
76	M90C	Z	.381	.381	0	%100
77	M91B	X	.66	.66	0	%100
78	M91B	Z	.381	.381	0	%100
79	M96	X	4.156	4.156	0	%100
80	M96	Z	2.399	2.399	0	%100
81	M99	X	.673	.673	0	%100
82	M99	Z	.389	.389	0	%100
83	M100A	X	.673	.673	0	%100
84	M100A	Z	.389	.389	0	%100
85	M103A	X	4.509	4.509	0	%100
86	M103A	Z	2.603	2.603	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
87	M106	X	.673	.673	0	%100
88	M106	Z	.389	.389	0	%100
89	M107	X	.673	.673	0	%100
90	M107	Z	.389	.389	0	%100
91	M112	X	2.693	2.693	0	%100
92	M112	Z	1.555	1.555	0	%100
93	M113	X	2.693	2.693	0	%100
94	M113	Z	1.555	1.555	0	%100
95	M116	X	4.509	4.509	0	%100
96	M116	Z	2.603	2.603	0	%100
97	M119	X	2.693	2.693	0	%100
98	M119	Z	1.555	1.555	0	%100
99	M120	X	2.693	2.693	0	%100
100	M120	Z	1.555	1.555	0	%100
101	M125	X	.673	.673	0	%100
102	M125	Z	.389	.389	0	%100
103	M126	X	.673	.673	0	%100
104	M126	Z	.389	.389	0	%100
105	M129	X	4.509	4.509	0	%100
106	M129	Z	2.603	2.603	0	%100
107	M132	X	.673	.673	0	%100
108	M132	Z	.389	.389	0	%100
109	M133	X	.673	.673	0	%100
110	M133	Z	.389	.389	0	%100
111	M125A	X	1.643	1.643	0	%100
112	M125A	Z	.949	.949	0	%100
113	M126A	X	6.574	6.574	0	%100
114	M126A	Z	3.795	3.795	0	%100
115	M133A	X	5.403	5.403	0	%100
116	M133A	Z	3.12	3.12	0	%100
117	M136	X	6.484	6.484	0	%100
118	M136	Z	3.744	3.744	0	%100
119	M137	X	6.484	6.484	0	%100
120	M137	Z	3.744	3.744	0	%100
121	M138	X	3.591	3.591	0	%100
122	M138	Z	2.074	2.074	0	%100
123	M137B	X	1.351	1.351	0	%100
124	M137B	Z	.78	.78	0	%100
125	M138A	X	1.351	1.351	0	%100
126	M138A	Z	.78	.78	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M5	X	.988	.988	0	%100
2	M5	Z	1.711	1.711	0	%100
3	M7	X	5.677	5.677	0	%100
4	M7	Z	9.832	9.832	0	%100
5	M29	X	2.846	2.846	0	%100
6	M29	Z	4.93	4.93	0	%100
7	M80	X	1.223	1.223	0	%100
8	M80	Z	2.118	2.118	0	%100
9	M81	X	0	0	0	%100
10	M81	Z	0	0	0	%100
11	M82	X	1.223	1.223	0	%100
12	M82	Z	2.118	2.118	0	%100
13	M51	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
14	M51	Z	0	0	0	%100
15	M53	X	5.677	5.677	0	%100
16	M53	Z	9.832	9.832	0	%100
17	MP1A	X	3.069	3.069	0	%100
18	MP1A	Z	5.315	5.315	0	%100
19	MP2A	X	3.069	3.069	0	%100
20	MP2A	Z	5.315	5.315	0	%100
21	MP4A	X	3.069	3.069	0	%100
22	MP4A	Z	5.315	5.315	0	%100
23	MP5A	X	3.069	3.069	0	%100
24	MP5A	Z	5.315	5.315	0	%100
25	MP3A	X	3.57	3.57	0	%100
26	MP3A	Z	6.183	6.183	0	%100
27	MP1C	X	3.069	3.069	0	%100
28	MP1C	Z	5.315	5.315	0	%100
29	MP2C	X	3.069	3.069	0	%100
30	MP2C	Z	5.315	5.315	0	%100
31	MP4C	X	3.069	3.069	0	%100
32	MP4C	Z	5.315	5.315	0	%100
33	MP5C	X	3.069	3.069	0	%100
34	MP5C	Z	5.315	5.315	0	%100
35	MP3C	X	3.57	3.57	0	%100
36	MP3C	Z	6.183	6.183	0	%100
37	MP1B	X	3.069	3.069	0	%100
38	MP1B	Z	5.315	5.315	0	%100
39	MP2B	X	3.069	3.069	0	%100
40	MP2B	Z	5.315	5.315	0	%100
41	MP4B	X	3.069	3.069	0	%100
42	MP4B	Z	5.315	5.315	0	%100
43	MP5B	X	3.069	3.069	0	%100
44	MP5B	Z	5.315	5.315	0	%100
45	MP3B	X	3.57	3.57	0	%100
46	MP3B	Z	6.183	6.183	0	%100
47	M101	X	2.603	2.603	0	%100
48	M101	Z	4.509	4.509	0	%100
49	M106A	X	3.952	3.952	0	%100
50	M106A	Z	6.845	6.845	0	%100
51	M107A	X	.988	.988	0	%100
52	M107A	Z	1.711	1.711	0	%100
53	M85	X	2.983	2.983	0	%100
54	M85	Z	5.167	5.167	0	%100
55	M86A	X	3.423	3.423	0	%100
56	M86A	Z	5.929	5.929	0	%100
57	M87	X	2.983	2.983	0	%100
58	M87	Z	5.167	5.167	0	%100
59	M89B	X	0	0	0	%100
60	M89B	Z	0	0	0	%100
61	M90A	X	0	0	0	%100
62	M90A	Z	0	0	0	%100
63	M91A	X	0	0	0	%100
64	M91A	Z	0	0	0	%100
65	M93	X	2.983	2.983	0	%100
66	M93	Z	5.167	5.167	0	%100
67	M94A	X	3.423	3.423	0	%100
68	M94A	Z	5.929	5.929	0	%100
69	M95A	X	2.983	2.983	0	%100
70	M95A	Z	5.167	5.167	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
71	M89C	X	0	0	0	%100
72	M89C	Z	0	0	0	%100
73	M90B	X	0	0	0	%100
74	M90B	Z	0	0	0	%100
75	M90C	X	0	0	0	%100
76	M90C	Z	0	0	0	%100
77	M91B	X	0	0	0	%100
78	M91B	Z	0	0	0	%100
79	M96	X	2.399	2.399	0	%100
80	M96	Z	4.156	4.156	0	%100
81	M99	X	0	0	0	%100
82	M99	Z	0	0	0	%100
83	M100A	X	0	0	0	%100
84	M100A	Z	0	0	0	%100
85	M103A	X	2.603	2.603	0	%100
86	M103A	Z	4.509	4.509	0	%100
87	M106	X	0	0	0	%100
88	M106	Z	0	0	0	%100
89	M107	X	0	0	0	%100
90	M107	Z	0	0	0	%100
91	M112	X	1.166	1.166	0	%100
92	M112	Z	2.02	2.02	0	%100
93	M113	X	1.166	1.166	0	%100
94	M113	Z	2.02	2.02	0	%100
95	M116	X	2.603	2.603	0	%100
96	M116	Z	4.509	4.509	0	%100
97	M119	X	1.166	1.166	0	%100
98	M119	Z	2.02	2.02	0	%100
99	M120	X	1.166	1.166	0	%100
100	M120	Z	2.02	2.02	0	%100
101	M125	X	1.166	1.166	0	%100
102	M125	Z	2.02	2.02	0	%100
103	M126	X	1.166	1.166	0	%100
104	M126	Z	2.02	2.02	0	%100
105	M129	X	2.603	2.603	0	%100
106	M129	Z	4.509	4.509	0	%100
107	M132	X	1.166	1.166	0	%100
108	M132	Z	2.02	2.02	0	%100
109	M133	X	1.166	1.166	0	%100
110	M133	Z	2.02	2.02	0	%100
111	M125A	X	0	0	0	%100
112	M125A	Z	0	0	0	%100
113	M126A	X	2.846	2.846	0	%100
114	M126A	Z	4.93	4.93	0	%100
115	M133A	X	2.34	2.34	0	%100
116	M133A	Z	4.053	4.053	0	%100
117	M136	X	2.63	2.63	0	%100
118	M136	Z	4.556	4.556	0	%100
119	M137	X	4.3	4.3	0	%100
120	M137	Z	7.448	7.448	0	%100
121	M138	X	2.63	2.63	0	%100
122	M138	Z	4.556	4.556	0	%100
123	M137B	X	2.34	2.34	0	%100
124	M137B	Z	4.053	4.053	0	%100
125	M138A	X	0	0	0	%100
126	M138A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M5	X	0	0	0	%100
2	M5	Z	0	0	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	15.138	15.138	0	%100
5	M29	X	0	0	0	%100
6	M29	Z	7.59	7.59	0	%100
7	M80	X	0	0	0	%100
8	M80	Z	3.261	3.261	0	%100
9	M81	X	0	0	0	%100
10	M81	Z	.815	.815	0	%100
11	M82	X	0	0	0	%100
12	M82	Z	.815	.815	0	%100
13	M51	X	0	0	0	%100
14	M51	Z	3.784	3.784	0	%100
15	M53	X	0	0	0	%100
16	M53	Z	3.784	3.784	0	%100
17	MP1A	X	0	0	0	%100
18	MP1A	Z	6.138	6.138	0	%100
19	MP2A	X	0	0	0	%100
20	MP2A	Z	6.138	6.138	0	%100
21	MP4A	X	0	0	0	%100
22	MP4A	Z	6.138	6.138	0	%100
23	MP5A	X	0	0	0	%100
24	MP5A	Z	6.138	6.138	0	%100
25	MP3A	X	0	0	0	%100
26	MP3A	Z	7.14	7.14	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	6.138	6.138	0	%100
29	MP2C	X	0	0	0	%100
30	MP2C	Z	6.138	6.138	0	%100
31	MP4C	X	0	0	0	%100
32	MP4C	Z	6.138	6.138	0	%100
33	MP5C	X	0	0	0	%100
34	MP5C	Z	6.138	6.138	0	%100
35	MP3C	X	0	0	0	%100
36	MP3C	Z	7.14	7.14	0	%100
37	MP1B	X	0	0	0	%100
38	MP1B	Z	6.138	6.138	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	6.138	6.138	0	%100
41	MP4B	X	0	0	0	%100
42	MP4B	Z	6.138	6.138	0	%100
43	MP5B	X	0	0	0	%100
44	MP5B	Z	6.138	6.138	0	%100
45	MP3B	X	0	0	0	%100
46	MP3B	Z	7.14	7.14	0	%100
47	M101	X	0	0	0	%100
48	M101	Z	5.206	5.206	0	%100
49	M106A	X	0	0	0	%100
50	M106A	Z	5.928	5.928	0	%100
51	M107A	X	0	0	0	%100
52	M107A	Z	5.928	5.928	0	%100
53	M85	X	0	0	0	%100
54	M85	Z	7.954	7.954	0	%100
55	M86A	X	0	0	0	%100
56	M86A	Z	9.129	9.129	0	%100
57	M87	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M87	Z	7.954	7.954	0	%100
59	M89B	X	0	0	0	%100
60	M89B	Z	1.989	1.989	0	%100
61	M90A	X	0	0	0	%100
62	M90A	Z	2.282	2.282	0	%100
63	M91A	X	0	0	0	%100
64	M91A	Z	1.989	1.989	0	%100
65	M93	X	0	0	0	%100
66	M93	Z	1.989	1.989	0	%100
67	M94A	X	0	0	0	%100
68	M94A	Z	2.282	2.282	0	%100
69	M95A	X	0	0	0	%100
70	M95A	Z	1.989	1.989	0	%100
71	M89C	X	0	0	0	%100
72	M89C	Z	.763	.763	0	%100
73	M90B	X	0	0	0	%100
74	M90B	Z	.763	.763	0	%100
75	M90C	X	0	0	0	%100
76	M90C	Z	.763	.763	0	%100
77	M91B	X	0	0	0	%100
78	M91B	Z	.763	.763	0	%100
79	M96	X	0	0	0	%100
80	M96	Z	4.799	4.799	0	%100
81	M99	X	0	0	0	%100
82	M99	Z	.777	.777	0	%100
83	M100A	X	0	0	0	%100
84	M100A	Z	.777	.777	0	%100
85	M103A	X	0	0	0	%100
86	M103A	Z	5.206	5.206	0	%100
87	M106	X	0	0	0	%100
88	M106	Z	.777	.777	0	%100
89	M107	X	0	0	0	%100
90	M107	Z	.777	.777	0	%100
91	M112	X	0	0	0	%100
92	M112	Z	.777	.777	0	%100
93	M113	X	0	0	0	%100
94	M113	Z	.777	.777	0	%100
95	M116	X	0	0	0	%100
96	M116	Z	5.206	5.206	0	%100
97	M119	X	0	0	0	%100
98	M119	Z	.777	.777	0	%100
99	M120	X	0	0	0	%100
100	M120	Z	.777	.777	0	%100
101	M125	X	0	0	0	%100
102	M125	Z	3.11	3.11	0	%100
103	M126	X	0	0	0	%100
104	M126	Z	3.11	3.11	0	%100
105	M129	X	0	0	0	%100
106	M129	Z	5.206	5.206	0	%100
107	M132	X	0	0	0	%100
108	M132	Z	3.11	3.11	0	%100
109	M133	X	0	0	0	%100
110	M133	Z	3.11	3.11	0	%100
111	M125A	X	0	0	0	%100
112	M125A	Z	1.898	1.898	0	%100
113	M126A	X	0	0	0	%100
114	M126A	Z	1.898	1.898	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
115	M133A	X	0	0	0	%100
116	M133A	Z	1.56	1.56	0	%100
117	M136	X	0	0	0	%100
118	M136	Z	4.147	4.147	0	%100
119	M137	X	0	0	0	%100
120	M137	Z	7.487	7.487	0	%100
121	M138	X	0	0	0	%100
122	M138	Z	7.487	7.487	0	%100
123	M137B	X	0	0	0	%100
124	M137B	Z	6.239	6.239	0	%100
125	M138A	X	0	0	0	%100
126	M138A	Z	1.56	1.56	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M5	X	-.988	-.988	0	%100
2	M5	Z	1.711	1.711	0	%100
3	M7	X	-5.677	-5.677	0	%100
4	M7	Z	9.832	9.832	0	%100
5	M29	X	-2.846	-2.846	0	%100
6	M29	Z	4.93	4.93	0	%100
7	M80	X	-1.223	-1.223	0	%100
8	M80	Z	2.118	2.118	0	%100
9	M81	X	-1.223	-1.223	0	%100
10	M81	Z	2.118	2.118	0	%100
11	M82	X	0	0	0	%100
12	M82	Z	0	0	0	%100
13	M51	X	-5.677	-5.677	0	%100
14	M51	Z	9.832	9.832	0	%100
15	M53	X	0	0	0	%100
16	M53	Z	0	0	0	%100
17	MP1A	X	-3.069	-3.069	0	%100
18	MP1A	Z	5.315	5.315	0	%100
19	MP2A	X	-3.069	-3.069	0	%100
20	MP2A	Z	5.315	5.315	0	%100
21	MP4A	X	-3.069	-3.069	0	%100
22	MP4A	Z	5.315	5.315	0	%100
23	MP5A	X	-3.069	-3.069	0	%100
24	MP5A	Z	5.315	5.315	0	%100
25	MP3A	X	-3.57	-3.57	0	%100
26	MP3A	Z	6.183	6.183	0	%100
27	MP1C	X	-3.069	-3.069	0	%100
28	MP1C	Z	5.315	5.315	0	%100
29	MP2C	X	-3.069	-3.069	0	%100
30	MP2C	Z	5.315	5.315	0	%100
31	MP4C	X	-3.069	-3.069	0	%100
32	MP4C	Z	5.315	5.315	0	%100
33	MP5C	X	-3.069	-3.069	0	%100
34	MP5C	Z	5.315	5.315	0	%100
35	MP3C	X	-3.57	-3.57	0	%100
36	MP3C	Z	6.183	6.183	0	%100
37	MP1B	X	-3.069	-3.069	0	%100
38	MP1B	Z	5.315	5.315	0	%100
39	MP2B	X	-3.069	-3.069	0	%100
40	MP2B	Z	5.315	5.315	0	%100
41	MP4B	X	-3.069	-3.069	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
42	MP4B	Z	5.315	5.315	0	%100
43	MP5B	X	-3.069	-3.069	0	%100
44	MP5B	Z	5.315	5.315	0	%100
45	MP3B	X	-3.57	-3.57	0	%100
46	MP3B	Z	6.183	6.183	0	%100
47	M101	X	-2.603	-2.603	0	%100
48	M101	Z	4.509	4.509	0	%100
49	M106A	X	-.988	-.988	0	%100
50	M106A	Z	1.711	1.711	0	%100
51	M107A	X	-3.952	-3.952	0	%100
52	M107A	Z	6.845	6.845	0	%100
53	M85	X	-2.983	-2.983	0	%100
54	M85	Z	5.167	5.167	0	%100
55	M86A	X	-3.423	-3.423	0	%100
56	M86A	Z	5.929	5.929	0	%100
57	M87	X	-2.983	-2.983	0	%100
58	M87	Z	5.167	5.167	0	%100
59	M89B	X	-2.983	-2.983	0	%100
60	M89B	Z	5.167	5.167	0	%100
61	M90A	X	-3.423	-3.423	0	%100
62	M90A	Z	5.929	5.929	0	%100
63	M91A	X	-2.983	-2.983	0	%100
64	M91A	Z	5.167	5.167	0	%100
65	M93	X	0	0	0	%100
66	M93	Z	0	0	0	%100
67	M94A	X	0	0	0	%100
68	M94A	Z	0	0	0	%100
69	M95A	X	0	0	0	%100
70	M95A	Z	0	0	0	%100
71	M89C	X	-1.144	-1.144	0	%100
72	M89C	Z	1.982	1.982	0	%100
73	M90B	X	-1.144	-1.144	0	%100
74	M90B	Z	1.982	1.982	0	%100
75	M90C	X	-1.144	-1.144	0	%100
76	M90C	Z	1.982	1.982	0	%100
77	M91B	X	-1.144	-1.144	0	%100
78	M91B	Z	1.982	1.982	0	%100
79	M96	X	-2.399	-2.399	0	%100
80	M96	Z	4.156	4.156	0	%100
81	M99	X	-1.166	-1.166	0	%100
82	M99	Z	2.02	2.02	0	%100
83	M100A	X	-1.166	-1.166	0	%100
84	M100A	Z	2.02	2.02	0	%100
85	M103A	X	-2.603	-2.603	0	%100
86	M103A	Z	4.509	4.509	0	%100
87	M106	X	-1.166	-1.166	0	%100
88	M106	Z	2.02	2.02	0	%100
89	M107	X	-1.166	-1.166	0	%100
90	M107	Z	2.02	2.02	0	%100
91	M112	X	0	0	0	%100
92	M112	Z	0	0	0	%100
93	M113	X	0	0	0	%100
94	M113	Z	0	0	0	%100
95	M116	X	-2.603	-2.603	0	%100
96	M116	Z	4.509	4.509	0	%100
97	M119	X	0	0	0	%100
98	M119	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
99	M120	X	0	0	0	%100
100	M120	Z	0	0	0	%100
101	M125	X	-1.166	-1.166	0	%100
102	M125	Z	2.02	2.02	0	%100
103	M126	X	-1.166	-1.166	0	%100
104	M126	Z	2.02	2.02	0	%100
105	M129	X	-2.603	-2.603	0	%100
106	M129	Z	4.509	4.509	0	%100
107	M132	X	-1.166	-1.166	0	%100
108	M132	Z	2.02	2.02	0	%100
109	M133	X	-1.166	-1.166	0	%100
110	M133	Z	2.02	2.02	0	%100
111	M125A	X	-2.846	-2.846	0	%100
112	M125A	Z	4.93	4.93	0	%100
113	M126A	X	0	0	0	%100
114	M126A	Z	0	0	0	%100
115	M133A	X	0	0	0	%100
116	M133A	Z	0	0	0	%100
117	M136	X	-2.63	-2.63	0	%100
118	M136	Z	4.556	4.556	0	%100
119	M137	X	-2.63	-2.63	0	%100
120	M137	Z	4.556	4.556	0	%100
121	M138	X	-4.3	-4.3	0	%100
122	M138	Z	7.448	7.448	0	%100
123	M137B	X	-2.34	-2.34	0	%100
124	M137B	Z	4.053	4.053	0	%100
125	M138A	X	-2.34	-2.34	0	%100
126	M138A	Z	4.053	4.053	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	M5	X	-5.134	-5.134	0	%100
2	M5	Z	2.964	2.964	0	%100
3	M7	X	-3.277	-3.277	0	%100
4	M7	Z	1.892	1.892	0	%100
5	M29	X	-1.643	-1.643	0	%100
6	M29	Z	.949	.949	0	%100
7	M80	X	-.706	-.706	0	%100
8	M80	Z	.408	.408	0	%100
9	M81	X	-2.824	-2.824	0	%100
10	M81	Z	1.631	1.631	0	%100
11	M82	X	-.706	-.706	0	%100
12	M82	Z	.408	.408	0	%100
13	M51	X	-13.11	-13.11	0	%100
14	M51	Z	7.569	7.569	0	%100
15	M53	X	-3.277	-3.277	0	%100
16	M53	Z	1.892	1.892	0	%100
17	MP1A	X	-5.315	-5.315	0	%100
18	MP1A	Z	3.069	3.069	0	%100
19	MP2A	X	-5.315	-5.315	0	%100
20	MP2A	Z	3.069	3.069	0	%100
21	MP4A	X	-5.315	-5.315	0	%100
22	MP4A	Z	3.069	3.069	0	%100
23	MP5A	X	-5.315	-5.315	0	%100
24	MP5A	Z	3.069	3.069	0	%100
25	MP3A	X	-6.183	-6.183	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
26	MP3A	Z	3.57	3.57	0	%100
27	MP1C	X	-5.315	-5.315	0	%100
28	MP1C	Z	3.069	3.069	0	%100
29	MP2C	X	-5.315	-5.315	0	%100
30	MP2C	Z	3.069	3.069	0	%100
31	MP4C	X	-5.315	-5.315	0	%100
32	MP4C	Z	3.069	3.069	0	%100
33	MP5C	X	-5.315	-5.315	0	%100
34	MP5C	Z	3.069	3.069	0	%100
35	MP3C	X	-6.183	-6.183	0	%100
36	MP3C	Z	3.57	3.57	0	%100
37	MP1B	X	-5.315	-5.315	0	%100
38	MP1B	Z	3.069	3.069	0	%100
39	MP2B	X	-5.315	-5.315	0	%100
40	MP2B	Z	3.069	3.069	0	%100
41	MP4B	X	-5.315	-5.315	0	%100
42	MP4B	Z	3.069	3.069	0	%100
43	MP5B	X	-5.315	-5.315	0	%100
44	MP5B	Z	3.069	3.069	0	%100
45	MP3B	X	-6.183	-6.183	0	%100
46	MP3B	Z	3.57	3.57	0	%100
47	M101	X	-4.509	-4.509	0	%100
48	M101	Z	2.603	2.603	0	%100
49	M106A	X	0	0	0	%100
50	M106A	Z	0	0	0	%100
51	M107A	X	-5.134	-5.134	0	%100
52	M107A	Z	2.964	2.964	0	%100
53	M85	X	-1.722	-1.722	0	%100
54	M85	Z	.994	.994	0	%100
55	M86A	X	-1.976	-1.976	0	%100
56	M86A	Z	1.141	1.141	0	%100
57	M87	X	-1.722	-1.722	0	%100
58	M87	Z	.994	.994	0	%100
59	M89B	X	-6.889	-6.889	0	%100
60	M89B	Z	3.977	3.977	0	%100
61	M90A	X	-7.906	-7.906	0	%100
62	M90A	Z	4.564	4.564	0	%100
63	M91A	X	-6.889	-6.889	0	%100
64	M91A	Z	3.977	3.977	0	%100
65	M93	X	-1.722	-1.722	0	%100
66	M93	Z	.994	.994	0	%100
67	M94A	X	-1.976	-1.976	0	%100
68	M94A	Z	1.141	1.141	0	%100
69	M95A	X	-1.722	-1.722	0	%100
70	M95A	Z	.994	.994	0	%100
71	M89C	X	-2.642	-2.642	0	%100
72	M89C	Z	1.525	1.525	0	%100
73	M90B	X	-2.642	-2.642	0	%100
74	M90B	Z	1.525	1.525	0	%100
75	M90C	X	-2.642	-2.642	0	%100
76	M90C	Z	1.525	1.525	0	%100
77	M91B	X	-2.642	-2.642	0	%100
78	M91B	Z	1.525	1.525	0	%100
79	M96	X	-4.156	-4.156	0	%100
80	M96	Z	2.399	2.399	0	%100
81	M99	X	-2.693	-2.693	0	%100
82	M99	Z	1.555	1.555	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
83	M100A	X	-2.693	-2.693	0	%100
84	M100A	Z	1.555	1.555	0	%100
85	M103A	X	-4.509	-4.509	0	%100
86	M103A	Z	2.603	2.603	0	%100
87	M106	X	-2.693	-2.693	0	%100
88	M106	Z	1.555	1.555	0	%100
89	M107	X	-2.693	-2.693	0	%100
90	M107	Z	1.555	1.555	0	%100
91	M112	X	-.673	-.673	0	%100
92	M112	Z	.389	.389	0	%100
93	M113	X	-.673	-.673	0	%100
94	M113	Z	.389	.389	0	%100
95	M116	X	-4.509	-4.509	0	%100
96	M116	Z	2.603	2.603	0	%100
97	M119	X	-.673	-.673	0	%100
98	M119	Z	.389	.389	0	%100
99	M120	X	-.673	-.673	0	%100
100	M120	Z	.389	.389	0	%100
101	M125	X	-.673	-.673	0	%100
102	M125	Z	.389	.389	0	%100
103	M126	X	-.673	-.673	0	%100
104	M126	Z	.389	.389	0	%100
105	M129	X	-4.509	-4.509	0	%100
106	M129	Z	2.603	2.603	0	%100
107	M132	X	-.673	-.673	0	%100
108	M132	Z	.389	.389	0	%100
109	M133	X	-.673	-.673	0	%100
110	M133	Z	.389	.389	0	%100
111	M125A	X	-6.574	-6.574	0	%100
112	M125A	Z	3.795	3.795	0	%100
113	M126A	X	-1.643	-1.643	0	%100
114	M126A	Z	.949	.949	0	%100
115	M133A	X	-1.351	-1.351	0	%100
116	M133A	Z	.78	.78	0	%100
117	M136	X	-6.484	-6.484	0	%100
118	M136	Z	3.744	3.744	0	%100
119	M137	X	-3.591	-3.591	0	%100
120	M137	Z	2.074	2.074	0	%100
121	M138	X	-6.484	-6.484	0	%100
122	M138	Z	3.744	3.744	0	%100
123	M137B	X	-1.351	-1.351	0	%100
124	M137B	Z	.78	.78	0	%100
125	M138A	X	-5.403	-5.403	0	%100
126	M138A	Z	3.12	3.12	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M5	X	-7.904	-7.904	0	%100
2	M5	Z	0	0	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	0	0	0	%100
5	M29	X	0	0	0	%100
6	M29	Z	0	0	0	%100
7	M80	X	0	0	0	%100
8	M80	Z	0	0	0	%100
9	M81	X	-2.446	-2.446	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
10	M81	Z	0	0	0	%100
11	M82	X	-2.446	-2.446	0	%100
12	M82	Z	0	0	0	%100
13	M51	X	-11.353	-11.353	0	%100
14	M51	Z	0	0	0	%100
15	M53	X	-11.353	-11.353	0	%100
16	M53	Z	0	0	0	%100
17	MP1A	X	-6.138	-6.138	0	%100
18	MP1A	Z	0	0	0	%100
19	MP2A	X	-6.138	-6.138	0	%100
20	MP2A	Z	0	0	0	%100
21	MP4A	X	-6.138	-6.138	0	%100
22	MP4A	Z	0	0	0	%100
23	MP5A	X	-6.138	-6.138	0	%100
24	MP5A	Z	0	0	0	%100
25	MP3A	X	-7.14	-7.14	0	%100
26	MP3A	Z	0	0	0	%100
27	MP1C	X	-6.138	-6.138	0	%100
28	MP1C	Z	0	0	0	%100
29	MP2C	X	-6.138	-6.138	0	%100
30	MP2C	Z	0	0	0	%100
31	MP4C	X	-6.138	-6.138	0	%100
32	MP4C	Z	0	0	0	%100
33	MP5C	X	-6.138	-6.138	0	%100
34	MP5C	Z	0	0	0	%100
35	MP3C	X	-7.14	-7.14	0	%100
36	MP3C	Z	0	0	0	%100
37	MP1B	X	-6.138	-6.138	0	%100
38	MP1B	Z	0	0	0	%100
39	MP2B	X	-6.138	-6.138	0	%100
40	MP2B	Z	0	0	0	%100
41	MP4B	X	-6.138	-6.138	0	%100
42	MP4B	Z	0	0	0	%100
43	MP5B	X	-6.138	-6.138	0	%100
44	MP5B	Z	0	0	0	%100
45	MP3B	X	-7.14	-7.14	0	%100
46	MP3B	Z	0	0	0	%100
47	M101	X	-5.206	-5.206	0	%100
48	M101	Z	0	0	0	%100
49	M106A	X	-1.976	-1.976	0	%100
50	M106A	Z	0	0	0	%100
51	M107A	X	-1.976	-1.976	0	%100
52	M107A	Z	0	0	0	%100
53	M85	X	0	0	0	%100
54	M85	Z	0	0	0	%100
55	M86A	X	0	0	0	%100
56	M86A	Z	0	0	0	%100
57	M87	X	0	0	0	%100
58	M87	Z	0	0	0	%100
59	M89B	X	-5.966	-5.966	0	%100
60	M89B	Z	0	0	0	%100
61	M90A	X	-6.847	-6.847	0	%100
62	M90A	Z	0	0	0	%100
63	M91A	X	-5.966	-5.966	0	%100
64	M91A	Z	0	0	0	%100
65	M93	X	-5.966	-5.966	0	%100
66	M93	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
67	M94A	X	-6.847	-6.847	0	%100
68	M94A	Z	0	0	0	%100
69	M95A	X	-5.966	-5.966	0	%100
70	M95A	Z	0	0	0	%100
71	M89C	X	-2.288	-2.288	0	%100
72	M89C	Z	0	0	0	%100
73	M90B	X	-2.288	-2.288	0	%100
74	M90B	Z	0	0	0	%100
75	M90C	X	-2.288	-2.288	0	%100
76	M90C	Z	0	0	0	%100
77	M91B	X	-2.288	-2.288	0	%100
78	M91B	Z	0	0	0	%100
79	M96	X	-4.799	-4.799	0	%100
80	M96	Z	0	0	0	%100
81	M99	X	-2.332	-2.332	0	%100
82	M99	Z	0	0	0	%100
83	M100A	X	-2.332	-2.332	0	%100
84	M100A	Z	0	0	0	%100
85	M103A	X	-5.206	-5.206	0	%100
86	M103A	Z	0	0	0	%100
87	M106	X	-2.332	-2.332	0	%100
88	M106	Z	0	0	0	%100
89	M107	X	-2.332	-2.332	0	%100
90	M107	Z	0	0	0	%100
91	M112	X	-2.332	-2.332	0	%100
92	M112	Z	0	0	0	%100
93	M113	X	-2.332	-2.332	0	%100
94	M113	Z	0	0	0	%100
95	M116	X	-5.206	-5.206	0	%100
96	M116	Z	0	0	0	%100
97	M119	X	-2.332	-2.332	0	%100
98	M119	Z	0	0	0	%100
99	M120	X	-2.332	-2.332	0	%100
100	M120	Z	0	0	0	%100
101	M125	X	0	0	0	%100
102	M125	Z	0	0	0	%100
103	M126	X	0	0	0	%100
104	M126	Z	0	0	0	%100
105	M129	X	-5.206	-5.206	0	%100
106	M129	Z	0	0	0	%100
107	M132	X	0	0	0	%100
108	M132	Z	0	0	0	%100
109	M133	X	0	0	0	%100
110	M133	Z	0	0	0	%100
111	M125A	X	-5.693	-5.693	0	%100
112	M125A	Z	0	0	0	%100
113	M126A	X	-5.693	-5.693	0	%100
114	M126A	Z	0	0	0	%100
115	M133A	X	-4.679	-4.679	0	%100
116	M133A	Z	0	0	0	%100
117	M136	X	-8.601	-8.601	0	%100
118	M136	Z	0	0	0	%100
119	M137	X	-5.26	-5.26	0	%100
120	M137	Z	0	0	0	%100
121	M138	X	-5.26	-5.26	0	%100
122	M138	Z	0	0	0	%100
123	M137B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
124	M137B	Z	0	0	0	%100
125	M138A	X	-4.679	-4.679	0	%100
126	M138A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M5	X	-5.134	-5.134	0	%100
2	M5	Z	-2.964	-2.964	0	%100
3	M7	X	-3.277	-3.277	0	%100
4	M7	Z	-1.892	-1.892	0	%100
5	M29	X	-1.643	-1.643	0	%100
6	M29	Z	-.949	-.949	0	%100
7	M80	X	-.706	-.706	0	%100
8	M80	Z	-.408	-.408	0	%100
9	M81	X	-.706	-.706	0	%100
10	M81	Z	-.408	-.408	0	%100
11	M82	X	-2.824	-2.824	0	%100
12	M82	Z	-1.631	-1.631	0	%100
13	M51	X	-3.277	-3.277	0	%100
14	M51	Z	-1.892	-1.892	0	%100
15	M53	X	-13.11	-13.11	0	%100
16	M53	Z	-7.569	-7.569	0	%100
17	MP1A	X	-5.315	-5.315	0	%100
18	MP1A	Z	-3.069	-3.069	0	%100
19	MP2A	X	-5.315	-5.315	0	%100
20	MP2A	Z	-3.069	-3.069	0	%100
21	MP4A	X	-5.315	-5.315	0	%100
22	MP4A	Z	-3.069	-3.069	0	%100
23	MP5A	X	-5.315	-5.315	0	%100
24	MP5A	Z	-3.069	-3.069	0	%100
25	MP3A	X	-6.183	-6.183	0	%100
26	MP3A	Z	-3.57	-3.57	0	%100
27	MP1C	X	-5.315	-5.315	0	%100
28	MP1C	Z	-3.069	-3.069	0	%100
29	MP2C	X	-5.315	-5.315	0	%100
30	MP2C	Z	-3.069	-3.069	0	%100
31	MP4C	X	-5.315	-5.315	0	%100
32	MP4C	Z	-3.069	-3.069	0	%100
33	MP5C	X	-5.315	-5.315	0	%100
34	MP5C	Z	-3.069	-3.069	0	%100
35	MP3C	X	-6.183	-6.183	0	%100
36	MP3C	Z	-3.57	-3.57	0	%100
37	MP1B	X	-5.315	-5.315	0	%100
38	MP1B	Z	-3.069	-3.069	0	%100
39	MP2B	X	-5.315	-5.315	0	%100
40	MP2B	Z	-3.069	-3.069	0	%100
41	MP4B	X	-5.315	-5.315	0	%100
42	MP4B	Z	-3.069	-3.069	0	%100
43	MP5B	X	-5.315	-5.315	0	%100
44	MP5B	Z	-3.069	-3.069	0	%100
45	MP3B	X	-6.183	-6.183	0	%100
46	MP3B	Z	-3.57	-3.57	0	%100
47	M101	X	-4.509	-4.509	0	%100
48	M101	Z	-2.603	-2.603	0	%100
49	M106A	X	-5.134	-5.134	0	%100
50	M106A	Z	-2.964	-2.964	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
51	M107A	X	0	0	0	%100
52	M107A	Z	0	0	0	%100
53	M85	X	-1.722	-1.722	0	%100
54	M85	Z	-.994	-.994	0	%100
55	M86A	X	-1.976	-1.976	0	%100
56	M86A	Z	-1.141	-1.141	0	%100
57	M87	X	-1.722	-1.722	0	%100
58	M87	Z	-.994	-.994	0	%100
59	M89B	X	-1.722	-1.722	0	%100
60	M89B	Z	-.994	-.994	0	%100
61	M90A	X	-1.976	-1.976	0	%100
62	M90A	Z	-1.141	-1.141	0	%100
63	M91A	X	-1.722	-1.722	0	%100
64	M91A	Z	-.994	-.994	0	%100
65	M93	X	-6.889	-6.889	0	%100
66	M93	Z	-3.977	-3.977	0	%100
67	M94A	X	-7.906	-7.906	0	%100
68	M94A	Z	-4.564	-4.564	0	%100
69	M95A	X	-6.889	-6.889	0	%100
70	M95A	Z	-3.977	-3.977	0	%100
71	M89C	X	-.66	-.66	0	%100
72	M89C	Z	-.381	-.381	0	%100
73	M90B	X	-.66	-.66	0	%100
74	M90B	Z	-.381	-.381	0	%100
75	M90C	X	-.66	-.66	0	%100
76	M90C	Z	-.381	-.381	0	%100
77	M91B	X	-.66	-.66	0	%100
78	M91B	Z	-.381	-.381	0	%100
79	M96	X	-4.156	-4.156	0	%100
80	M96	Z	-2.399	-2.399	0	%100
81	M99	X	-.673	-.673	0	%100
82	M99	Z	-.389	-.389	0	%100
83	M100A	X	-.673	-.673	0	%100
84	M100A	Z	-.389	-.389	0	%100
85	M103A	X	-4.509	-4.509	0	%100
86	M103A	Z	-2.603	-2.603	0	%100
87	M106	X	-.673	-.673	0	%100
88	M106	Z	-.389	-.389	0	%100
89	M107	X	-.673	-.673	0	%100
90	M107	Z	-.389	-.389	0	%100
91	M112	X	-2.693	-2.693	0	%100
92	M112	Z	-1.555	-1.555	0	%100
93	M113	X	-2.693	-2.693	0	%100
94	M113	Z	-1.555	-1.555	0	%100
95	M116	X	-4.509	-4.509	0	%100
96	M116	Z	-2.603	-2.603	0	%100
97	M119	X	-2.693	-2.693	0	%100
98	M119	Z	-1.555	-1.555	0	%100
99	M120	X	-2.693	-2.693	0	%100
100	M120	Z	-1.555	-1.555	0	%100
101	M125	X	-.673	-.673	0	%100
102	M125	Z	-.389	-.389	0	%100
103	M126	X	-.673	-.673	0	%100
104	M126	Z	-.389	-.389	0	%100
105	M129	X	-4.509	-4.509	0	%100
106	M129	Z	-2.603	-2.603	0	%100
107	M132	X	-.673	-.673	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
108	M132	Z	-.389	-.389	0	%100
109	M133	X	-.673	-.673	0	%100
110	M133	Z	-.389	-.389	0	%100
111	M125A	X	-1.643	-1.643	0	%100
112	M125A	Z	-.949	-.949	0	%100
113	M126A	X	-6.574	-6.574	0	%100
114	M126A	Z	-3.795	-3.795	0	%100
115	M133A	X	-5.403	-5.403	0	%100
116	M133A	Z	-3.12	-3.12	0	%100
117	M136	X	-6.484	-6.484	0	%100
118	M136	Z	-3.744	-3.744	0	%100
119	M137	X	-6.484	-6.484	0	%100
120	M137	Z	-3.744	-3.744	0	%100
121	M138	X	-3.591	-3.591	0	%100
122	M138	Z	-2.074	-2.074	0	%100
123	M137B	X	-1.351	-1.351	0	%100
124	M137B	Z	-.78	-.78	0	%100
125	M138A	X	-1.351	-1.351	0	%100
126	M138A	Z	-.78	-.78	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	M5	X	-.988	-.988	0	%100
2	M5	Z	-1.711	-1.711	0	%100
3	M7	X	-5.677	-5.677	0	%100
4	M7	Z	-9.832	-9.832	0	%100
5	M29	X	-2.846	-2.846	0	%100
6	M29	Z	-4.93	-4.93	0	%100
7	M80	X	-1.223	-1.223	0	%100
8	M80	Z	-2.118	-2.118	0	%100
9	M81	X	0	0	0	%100
10	M81	Z	0	0	0	%100
11	M82	X	-1.223	-1.223	0	%100
12	M82	Z	-2.118	-2.118	0	%100
13	M51	X	0	0	0	%100
14	M51	Z	0	0	0	%100
15	M53	X	-5.677	-5.677	0	%100
16	M53	Z	-9.832	-9.832	0	%100
17	MP1A	X	-3.069	-3.069	0	%100
18	MP1A	Z	-5.315	-5.315	0	%100
19	MP2A	X	-3.069	-3.069	0	%100
20	MP2A	Z	-5.315	-5.315	0	%100
21	MP4A	X	-3.069	-3.069	0	%100
22	MP4A	Z	-5.315	-5.315	0	%100
23	MP5A	X	-3.069	-3.069	0	%100
24	MP5A	Z	-5.315	-5.315	0	%100
25	MP3A	X	-3.57	-3.57	0	%100
26	MP3A	Z	-6.183	-6.183	0	%100
27	MP1C	X	-3.069	-3.069	0	%100
28	MP1C	Z	-5.315	-5.315	0	%100
29	MP2C	X	-3.069	-3.069	0	%100
30	MP2C	Z	-5.315	-5.315	0	%100
31	MP4C	X	-3.069	-3.069	0	%100
32	MP4C	Z	-5.315	-5.315	0	%100
33	MP5C	X	-3.069	-3.069	0	%100
34	MP5C	Z	-5.315	-5.315	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
35	MP3C	X	-3.57	-3.57	0	%100
36	MP3C	Z	-6.183	-6.183	0	%100
37	MP1B	X	-3.069	-3.069	0	%100
38	MP1B	Z	-5.315	-5.315	0	%100
39	MP2B	X	-3.069	-3.069	0	%100
40	MP2B	Z	-5.315	-5.315	0	%100
41	MP4B	X	-3.069	-3.069	0	%100
42	MP4B	Z	-5.315	-5.315	0	%100
43	MP5B	X	-3.069	-3.069	0	%100
44	MP5B	Z	-5.315	-5.315	0	%100
45	MP3B	X	-3.57	-3.57	0	%100
46	MP3B	Z	-6.183	-6.183	0	%100
47	M101	X	-2.603	-2.603	0	%100
48	M101	Z	-4.509	-4.509	0	%100
49	M106A	X	-3.952	-3.952	0	%100
50	M106A	Z	-6.845	-6.845	0	%100
51	M107A	X	-.988	-.988	0	%100
52	M107A	Z	-1.711	-1.711	0	%100
53	M85	X	-2.983	-2.983	0	%100
54	M85	Z	-5.167	-5.167	0	%100
55	M86A	X	-3.423	-3.423	0	%100
56	M86A	Z	-5.929	-5.929	0	%100
57	M87	X	-2.983	-2.983	0	%100
58	M87	Z	-5.167	-5.167	0	%100
59	M89B	X	0	0	0	%100
60	M89B	Z	0	0	0	%100
61	M90A	X	0	0	0	%100
62	M90A	Z	0	0	0	%100
63	M91A	X	0	0	0	%100
64	M91A	Z	0	0	0	%100
65	M93	X	-2.983	-2.983	0	%100
66	M93	Z	-5.167	-5.167	0	%100
67	M94A	X	-3.423	-3.423	0	%100
68	M94A	Z	-5.929	-5.929	0	%100
69	M95A	X	-2.983	-2.983	0	%100
70	M95A	Z	-5.167	-5.167	0	%100
71	M89C	X	0	0	0	%100
72	M89C	Z	0	0	0	%100
73	M90B	X	0	0	0	%100
74	M90B	Z	0	0	0	%100
75	M90C	X	0	0	0	%100
76	M90C	Z	0	0	0	%100
77	M91B	X	0	0	0	%100
78	M91B	Z	0	0	0	%100
79	M96	X	-2.399	-2.399	0	%100
80	M96	Z	-4.156	-4.156	0	%100
81	M99	X	0	0	0	%100
82	M99	Z	0	0	0	%100
83	M100A	X	0	0	0	%100
84	M100A	Z	0	0	0	%100
85	M103A	X	-2.603	-2.603	0	%100
86	M103A	Z	-4.509	-4.509	0	%100
87	M106	X	0	0	0	%100
88	M106	Z	0	0	0	%100
89	M107	X	0	0	0	%100
90	M107	Z	0	0	0	%100
91	M112	X	-1.166	-1.166	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
92	M112	Z	-2.02	-2.02	0	%100
93	M113	X	-1.166	-1.166	0	%100
94	M113	Z	-2.02	-2.02	0	%100
95	M116	X	-2.603	-2.603	0	%100
96	M116	Z	-4.509	-4.509	0	%100
97	M119	X	-1.166	-1.166	0	%100
98	M119	Z	-2.02	-2.02	0	%100
99	M120	X	-1.166	-1.166	0	%100
100	M120	Z	-2.02	-2.02	0	%100
101	M125	X	-1.166	-1.166	0	%100
102	M125	Z	-2.02	-2.02	0	%100
103	M126	X	-1.166	-1.166	0	%100
104	M126	Z	-2.02	-2.02	0	%100
105	M129	X	-2.603	-2.603	0	%100
106	M129	Z	-4.509	-4.509	0	%100
107	M132	X	-1.166	-1.166	0	%100
108	M132	Z	-2.02	-2.02	0	%100
109	M133	X	-1.166	-1.166	0	%100
110	M133	Z	-2.02	-2.02	0	%100
111	M125A	X	0	0	0	%100
112	M125A	Z	0	0	0	%100
113	M126A	X	-2.846	-2.846	0	%100
114	M126A	Z	-4.93	-4.93	0	%100
115	M133A	X	-2.34	-2.34	0	%100
116	M133A	Z	-4.053	-4.053	0	%100
117	M136	X	-2.63	-2.63	0	%100
118	M136	Z	-4.556	-4.556	0	%100
119	M137	X	-4.3	-4.3	0	%100
120	M137	Z	-7.448	-7.448	0	%100
121	M138	X	-2.63	-2.63	0	%100
122	M138	Z	-4.556	-4.556	0	%100
123	M137B	X	-2.34	-2.34	0	%100
124	M137B	Z	-4.053	-4.053	0	%100
125	M138A	X	0	0	0	%100
126	M138A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M5	X	0	0	0	%100
2	M5	Z	0	0	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	-3.816	-3.816	0	%100
5	M29	X	0	0	0	%100
6	M29	Z	-1.098	-1.098	0	%100
7	M80	X	0	0	0	%100
8	M80	Z	-.191	-.191	0	%100
9	M81	X	0	0	0	%100
10	M81	Z	-.048	-.048	0	%100
11	M82	X	0	0	0	%100
12	M82	Z	-.048	-.048	0	%100
13	M51	X	0	0	0	%100
14	M51	Z	-.954	-.954	0	%100
15	M53	X	0	0	0	%100
16	M53	Z	-.954	-.954	0	%100
17	MP1A	X	0	0	0	%100
18	MP1A	Z	-.907	-.907	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
19	MP2A	X	0	0	0	%100
20	MP2A	Z	-.907	-.907	0	%100
21	MP4A	X	0	0	0	%100
22	MP4A	Z	-.907	-.907	0	%100
23	MP5A	X	0	0	0	%100
24	MP5A	Z	-.907	-.907	0	%100
25	MP3A	X	0	0	0	%100
26	MP3A	Z	-1.098	-1.098	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	-.907	-.907	0	%100
29	MP2C	X	0	0	0	%100
30	MP2C	Z	-.907	-.907	0	%100
31	MP4C	X	0	0	0	%100
32	MP4C	Z	-.907	-.907	0	%100
33	MP5C	X	0	0	0	%100
34	MP5C	Z	-.907	-.907	0	%100
35	MP3C	X	0	0	0	%100
36	MP3C	Z	-1.098	-1.098	0	%100
37	MP1B	X	0	0	0	%100
38	MP1B	Z	-.907	-.907	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	-.907	-.907	0	%100
41	MP4B	X	0	0	0	%100
42	MP4B	Z	-.907	-.907	0	%100
43	MP5B	X	0	0	0	%100
44	MP5B	Z	-.907	-.907	0	%100
45	MP3B	X	0	0	0	%100
46	MP3B	Z	-1.098	-1.098	0	%100
47	M101	X	0	0	0	%100
48	M101	Z	-.742	-.742	0	%100
49	M106A	X	0	0	0	%100
50	M106A	Z	-1.078	-1.078	0	%100
51	M107A	X	0	0	0	%100
52	M107A	Z	-1.078	-1.078	0	%100
53	M85	X	0	0	0	%100
54	M85	Z	-1.91	-1.91	0	%100
55	M86A	X	0	0	0	%100
56	M86A	Z	-1.947	-1.947	0	%100
57	M87	X	0	0	0	%100
58	M87	Z	-1.91	-1.91	0	%100
59	M89B	X	0	0	0	%100
60	M89B	Z	-.478	-.478	0	%100
61	M90A	X	0	0	0	%100
62	M90A	Z	-.487	-.487	0	%100
63	M91A	X	0	0	0	%100
64	M91A	Z	-.478	-.478	0	%100
65	M93	X	0	0	0	%100
66	M93	Z	-.478	-.478	0	%100
67	M94A	X	0	0	0	%100
68	M94A	Z	-.487	-.487	0	%100
69	M95A	X	0	0	0	%100
70	M95A	Z	-.478	-.478	0	%100
71	M89C	X	0	0	0	%100
72	M89C	Z	-.036	-.036	0	%100
73	M90B	X	0	0	0	%100
74	M90B	Z	-.036	-.036	0	%100
75	M90C	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
76	M90C	Z	-.036	-.036	0	%100
77	M91B	X	0	0	0	%100
78	M91B	Z	-.036	-.036	0	%100
79	M96	X	0	0	0	%100
80	M96	Z	-.595	-.595	0	%100
81	M99	X	0	0	0	%100
82	M99	Z	-.042	-.042	0	%100
83	M100A	X	0	0	0	%100
84	M100A	Z	-.042	-.042	0	%100
85	M103A	X	0	0	0	%100
86	M103A	Z	-.742	-.742	0	%100
87	M106	X	0	0	0	%100
88	M106	Z	-.042	-.042	0	%100
89	M107	X	0	0	0	%100
90	M107	Z	-.042	-.042	0	%100
91	M112	X	0	0	0	%100
92	M112	Z	-.042	-.042	0	%100
93	M113	X	0	0	0	%100
94	M113	Z	-.042	-.042	0	%100
95	M116	X	0	0	0	%100
96	M116	Z	-.742	-.742	0	%100
97	M119	X	0	0	0	%100
98	M119	Z	-.042	-.042	0	%100
99	M120	X	0	0	0	%100
100	M120	Z	-.042	-.042	0	%100
101	M125	X	0	0	0	%100
102	M125	Z	-.166	-.166	0	%100
103	M126	X	0	0	0	%100
104	M126	Z	-.166	-.166	0	%100
105	M129	X	0	0	0	%100
106	M129	Z	-.742	-.742	0	%100
107	M132	X	0	0	0	%100
108	M132	Z	-.166	-.166	0	%100
109	M133	X	0	0	0	%100
110	M133	Z	-.166	-.166	0	%100
111	M125A	X	0	0	0	%100
112	M125A	Z	-.275	-.275	0	%100
113	M126A	X	0	0	0	%100
114	M126A	Z	-.275	-.275	0	%100
115	M133A	X	0	0	0	%100
116	M133A	Z	-.315	-.315	0	%100
117	M136	X	0	0	0	%100
118	M136	Z	-1.054	-1.054	0	%100
119	M137	X	0	0	0	%100
120	M137	Z	-1.596	-1.596	0	%100
121	M138	X	0	0	0	%100
122	M138	Z	-1.596	-1.596	0	%100
123	M137B	X	0	0	0	%100
124	M137B	Z	-1.259	-1.259	0	%100
125	M138A	X	0	0	0	%100
126	M138A	Z	-.315	-.315	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M5	X	.18	.18	0	%100
2	M5	Z	-.311	-.311	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
3	M7	X	1.431	1.431	0	%100
4	M7	Z	-2.478	-2.478	0	%100
5	M29	X	.412	.412	0	%100
6	M29	Z	-.713	-.713	0	%100
7	M80	X	.072	.072	0	%100
8	M80	Z	-.124	-.124	0	%100
9	M81	X	.072	.072	0	%100
10	M81	Z	-.124	-.124	0	%100
11	M82	X	0	0	0	%100
12	M82	Z	0	0	0	%100
13	M51	X	1.431	1.431	0	%100
14	M51	Z	-2.478	-2.478	0	%100
15	M53	X	0	0	0	%100
16	M53	Z	0	0	0	%100
17	MP1A	X	.454	.454	0	%100
18	MP1A	Z	-.786	-.786	0	%100
19	MP2A	X	.454	.454	0	%100
20	MP2A	Z	-.786	-.786	0	%100
21	MP4A	X	.454	.454	0	%100
22	MP4A	Z	-.786	-.786	0	%100
23	MP5A	X	.454	.454	0	%100
24	MP5A	Z	-.786	-.786	0	%100
25	MP3A	X	.549	.549	0	%100
26	MP3A	Z	-.951	-.951	0	%100
27	MP1C	X	.454	.454	0	%100
28	MP1C	Z	-.786	-.786	0	%100
29	MP2C	X	.454	.454	0	%100
30	MP2C	Z	-.786	-.786	0	%100
31	MP4C	X	.454	.454	0	%100
32	MP4C	Z	-.786	-.786	0	%100
33	MP5C	X	.454	.454	0	%100
34	MP5C	Z	-.786	-.786	0	%100
35	MP3C	X	.549	.549	0	%100
36	MP3C	Z	-.951	-.951	0	%100
37	MP1B	X	.454	.454	0	%100
38	MP1B	Z	-.786	-.786	0	%100
39	MP2B	X	.454	.454	0	%100
40	MP2B	Z	-.786	-.786	0	%100
41	MP4B	X	.454	.454	0	%100
42	MP4B	Z	-.786	-.786	0	%100
43	MP5B	X	.454	.454	0	%100
44	MP5B	Z	-.786	-.786	0	%100
45	MP3B	X	.549	.549	0	%100
46	MP3B	Z	-.951	-.951	0	%100
47	M101	X	.371	.371	0	%100
48	M101	Z	-.643	-.643	0	%100
49	M106A	X	.18	.18	0	%100
50	M106A	Z	-.311	-.311	0	%100
51	M107A	X	.719	.719	0	%100
52	M107A	Z	-1.245	-1.245	0	%100
53	M85	X	.716	.716	0	%100
54	M85	Z	-1.241	-1.241	0	%100
55	M86A	X	.73	.73	0	%100
56	M86A	Z	-1.265	-1.265	0	%100
57	M87	X	.716	.716	0	%100
58	M87	Z	-1.241	-1.241	0	%100
59	M89B	X	.716	.716	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
60	M89B	Z	-1.241	-1.241	0	%100
61	M90A	X	.73	.73	0	%100
62	M90A	Z	-1.265	-1.265	0	%100
63	M91A	X	.716	.716	0	%100
64	M91A	Z	-1.241	-1.241	0	%100
65	M93	X	0	0	0	%100
66	M93	Z	0	0	0	%100
67	M94A	X	0	0	0	%100
68	M94A	Z	0	0	0	%100
69	M95A	X	0	0	0	%100
70	M95A	Z	0	0	0	%100
71	M89C	X	.054	.054	0	%100
72	M89C	Z	-.094	-.094	0	%100
73	M90B	X	.054	.054	0	%100
74	M90B	Z	-.094	-.094	0	%100
75	M90C	X	.054	.054	0	%100
76	M90C	Z	-.094	-.094	0	%100
77	M91B	X	.054	.054	0	%100
78	M91B	Z	-.094	-.094	0	%100
79	M96	X	.298	.298	0	%100
80	M96	Z	-.516	-.516	0	%100
81	M99	X	.062	.062	0	%100
82	M99	Z	-.108	-.108	0	%100
83	M100A	X	.062	.062	0	%100
84	M100A	Z	-.108	-.108	0	%100
85	M103A	X	.371	.371	0	%100
86	M103A	Z	-.643	-.643	0	%100
87	M106	X	.062	.062	0	%100
88	M106	Z	-.108	-.108	0	%100
89	M107	X	.062	.062	0	%100
90	M107	Z	-.108	-.108	0	%100
91	M112	X	0	0	0	%100
92	M112	Z	0	0	0	%100
93	M113	X	0	0	0	%100
94	M113	Z	0	0	0	%100
95	M116	X	.371	.371	0	%100
96	M116	Z	-.643	-.643	0	%100
97	M119	X	0	0	0	%100
98	M119	Z	0	0	0	%100
99	M120	X	0	0	0	%100
100	M120	Z	0	0	0	%100
101	M125	X	.062	.062	0	%100
102	M125	Z	-.108	-.108	0	%100
103	M126	X	.062	.062	0	%100
104	M126	Z	-.108	-.108	0	%100
105	M129	X	.371	.371	0	%100
106	M129	Z	-.643	-.643	0	%100
107	M132	X	.062	.062	0	%100
108	M132	Z	-.108	-.108	0	%100
109	M133	X	.062	.062	0	%100
110	M133	Z	-.108	-.108	0	%100
111	M125A	X	.412	.412	0	%100
112	M125A	Z	-.713	-.713	0	%100
113	M126A	X	0	0	0	%100
114	M126A	Z	0	0	0	%100
115	M133A	X	0	0	0	%100
116	M133A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
117	M136	X	.617	.617	0	%100
118	M136	Z	-1.069	-1.069	0	%100
119	M137	X	.617	.617	0	%100
120	M137	Z	-1.069	-1.069	0	%100
121	M138	X	.888	.888	0	%100
122	M138	Z	-1.539	-1.539	0	%100
123	M137B	X	.472	.472	0	%100
124	M137B	Z	-.818	-.818	0	%100
125	M138A	X	.472	.472	0	%100
126	M138A	Z	-.818	-.818	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	M5	X	.934	.934	0	%100
2	M5	Z	-.539	-.539	0	%100
3	M7	X	.826	.826	0	%100
4	M7	Z	-.477	-.477	0	%100
5	M29	X	.238	.238	0	%100
6	M29	Z	-.137	-.137	0	%100
7	M80	X	.041	.041	0	%100
8	M80	Z	-.024	-.024	0	%100
9	M81	X	.165	.165	0	%100
10	M81	Z	-.096	-.096	0	%100
11	M82	X	.041	.041	0	%100
12	M82	Z	-.024	-.024	0	%100
13	M51	X	3.304	3.304	0	%100
14	M51	Z	-1.908	-1.908	0	%100
15	M53	X	.826	.826	0	%100
16	M53	Z	-.477	-.477	0	%100
17	MP1A	X	.786	.786	0	%100
18	MP1A	Z	-.454	-.454	0	%100
19	MP2A	X	.786	.786	0	%100
20	MP2A	Z	-.454	-.454	0	%100
21	MP4A	X	.786	.786	0	%100
22	MP4A	Z	-.454	-.454	0	%100
23	MP5A	X	.786	.786	0	%100
24	MP5A	Z	-.454	-.454	0	%100
25	MP3A	X	.951	.951	0	%100
26	MP3A	Z	-.549	-.549	0	%100
27	MP1C	X	.786	.786	0	%100
28	MP1C	Z	-.454	-.454	0	%100
29	MP2C	X	.786	.786	0	%100
30	MP2C	Z	-.454	-.454	0	%100
31	MP4C	X	.786	.786	0	%100
32	MP4C	Z	-.454	-.454	0	%100
33	MP5C	X	.786	.786	0	%100
34	MP5C	Z	-.454	-.454	0	%100
35	MP3C	X	.951	.951	0	%100
36	MP3C	Z	-.549	-.549	0	%100
37	MP1B	X	.786	.786	0	%100
38	MP1B	Z	-.454	-.454	0	%100
39	MP2B	X	.786	.786	0	%100
40	MP2B	Z	-.454	-.454	0	%100
41	MP4B	X	.786	.786	0	%100
42	MP4B	Z	-.454	-.454	0	%100
43	MP5B	X	.786	.786	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
44	MP5B	Z	-.454	-.454	0	%100
45	MP3B	X	.951	.951	0	%100
46	MP3B	Z	-.549	-.549	0	%100
47	M101	X	.643	.643	0	%100
48	M101	Z	-.371	-.371	0	%100
49	M106A	X	0	0	0	%100
50	M106A	Z	0	0	0	%100
51	M107A	X	.934	.934	0	%100
52	M107A	Z	-.539	-.539	0	%100
53	M85	X	.414	.414	0	%100
54	M85	Z	-.239	-.239	0	%100
55	M86A	X	.422	.422	0	%100
56	M86A	Z	-.243	-.243	0	%100
57	M87	X	.414	.414	0	%100
58	M87	Z	-.239	-.239	0	%100
59	M89B	X	1.654	1.654	0	%100
60	M89B	Z	-.955	-.955	0	%100
61	M90A	X	1.686	1.686	0	%100
62	M90A	Z	-.974	-.974	0	%100
63	M91A	X	1.654	1.654	0	%100
64	M91A	Z	-.955	-.955	0	%100
65	M93	X	.414	.414	0	%100
66	M93	Z	-.239	-.239	0	%100
67	M94A	X	.422	.422	0	%100
68	M94A	Z	-.243	-.243	0	%100
69	M95A	X	.414	.414	0	%100
70	M95A	Z	-.239	-.239	0	%100
71	M89C	X	.126	.126	0	%100
72	M89C	Z	-.073	-.073	0	%100
73	M90B	X	.126	.126	0	%100
74	M90B	Z	-.073	-.073	0	%100
75	M90C	X	.126	.126	0	%100
76	M90C	Z	-.073	-.073	0	%100
77	M91B	X	.126	.126	0	%100
78	M91B	Z	-.073	-.073	0	%100
79	M96	X	.516	.516	0	%100
80	M96	Z	-.298	-.298	0	%100
81	M99	X	.144	.144	0	%100
82	M99	Z	-.083	-.083	0	%100
83	M100A	X	.144	.144	0	%100
84	M100A	Z	-.083	-.083	0	%100
85	M103A	X	.643	.643	0	%100
86	M103A	Z	-.371	-.371	0	%100
87	M106	X	.144	.144	0	%100
88	M106	Z	-.083	-.083	0	%100
89	M107	X	.144	.144	0	%100
90	M107	Z	-.083	-.083	0	%100
91	M112	X	.036	.036	0	%100
92	M112	Z	-.021	-.021	0	%100
93	M113	X	.036	.036	0	%100
94	M113	Z	-.021	-.021	0	%100
95	M116	X	.643	.643	0	%100
96	M116	Z	-.371	-.371	0	%100
97	M119	X	.036	.036	0	%100
98	M119	Z	-.021	-.021	0	%100
99	M120	X	.036	.036	0	%100
100	M120	Z	-.021	-.021	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
101	M125	X	.036	.036	0	%100
102	M125	Z	-.021	-.021	0	%100
103	M126	X	.036	.036	0	%100
104	M126	Z	-.021	-.021	0	%100
105	M129	X	.643	.643	0	%100
106	M129	Z	-.371	-.371	0	%100
107	M132	X	.036	.036	0	%100
108	M132	Z	-.021	-.021	0	%100
109	M133	X	.036	.036	0	%100
110	M133	Z	-.021	-.021	0	%100
111	M125A	X	.951	.951	0	%100
112	M125A	Z	-.549	-.549	0	%100
113	M126A	X	.238	.238	0	%100
114	M126A	Z	-.137	-.137	0	%100
115	M133A	X	.273	.273	0	%100
116	M133A	Z	-.157	-.157	0	%100
117	M136	X	1.382	1.382	0	%100
118	M136	Z	-.798	-.798	0	%100
119	M137	X	.913	.913	0	%100
120	M137	Z	-.527	-.527	0	%100
121	M138	X	1.382	1.382	0	%100
122	M138	Z	-.798	-.798	0	%100
123	M137B	X	.273	.273	0	%100
124	M137B	Z	-.157	-.157	0	%100
125	M138A	X	1.09	1.09	0	%100
126	M138A	Z	-.63	-.63	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	M5	X	1.437	1.437	0	%100
2	M5	Z	0	0	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	0	0	0	%100
5	M29	X	0	0	0	%100
6	M29	Z	0	0	0	%100
7	M80	X	0	0	0	%100
8	M80	Z	0	0	0	%100
9	M81	X	.143	.143	0	%100
10	M81	Z	0	0	0	%100
11	M82	X	.143	.143	0	%100
12	M82	Z	0	0	0	%100
13	M51	X	2.862	2.862	0	%100
14	M51	Z	0	0	0	%100
15	M53	X	2.862	2.862	0	%100
16	M53	Z	0	0	0	%100
17	MP1A	X	.907	.907	0	%100
18	MP1A	Z	0	0	0	%100
19	MP2A	X	.907	.907	0	%100
20	MP2A	Z	0	0	0	%100
21	MP4A	X	.907	.907	0	%100
22	MP4A	Z	0	0	0	%100
23	MP5A	X	.907	.907	0	%100
24	MP5A	Z	0	0	0	%100
25	MP3A	X	1.098	1.098	0	%100
26	MP3A	Z	0	0	0	%100
27	MP1C	X	.907	.907	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
28	MP1C	Z	0	0	0	%100
29	MP2C	X	.907	.907	0	%100
30	MP2C	Z	0	0	0	%100
31	MP4C	X	.907	.907	0	%100
32	MP4C	Z	0	0	0	%100
33	MP5C	X	.907	.907	0	%100
34	MP5C	Z	0	0	0	%100
35	MP3C	X	1.098	1.098	0	%100
36	MP3C	Z	0	0	0	%100
37	MP1B	X	.907	.907	0	%100
38	MP1B	Z	0	0	0	%100
39	MP2B	X	.907	.907	0	%100
40	MP2B	Z	0	0	0	%100
41	MP4B	X	.907	.907	0	%100
42	MP4B	Z	0	0	0	%100
43	MP5B	X	.907	.907	0	%100
44	MP5B	Z	0	0	0	%100
45	MP3B	X	1.098	1.098	0	%100
46	MP3B	Z	0	0	0	%100
47	M101	X	.742	.742	0	%100
48	M101	Z	0	0	0	%100
49	M106A	X	.359	.359	0	%100
50	M106A	Z	0	0	0	%100
51	M107A	X	.359	.359	0	%100
52	M107A	Z	0	0	0	%100
53	M85	X	0	0	0	%100
54	M85	Z	0	0	0	%100
55	M86A	X	0	0	0	%100
56	M86A	Z	0	0	0	%100
57	M87	X	0	0	0	%100
58	M87	Z	0	0	0	%100
59	M89B	X	1.433	1.433	0	%100
60	M89B	Z	0	0	0	%100
61	M90A	X	1.461	1.461	0	%100
62	M90A	Z	0	0	0	%100
63	M91A	X	1.433	1.433	0	%100
64	M91A	Z	0	0	0	%100
65	M93	X	1.433	1.433	0	%100
66	M93	Z	0	0	0	%100
67	M94A	X	1.461	1.461	0	%100
68	M94A	Z	0	0	0	%100
69	M95A	X	1.433	1.433	0	%100
70	M95A	Z	0	0	0	%100
71	M89C	X	.109	.109	0	%100
72	M89C	Z	0	0	0	%100
73	M90B	X	.109	.109	0	%100
74	M90B	Z	0	0	0	%100
75	M90C	X	.109	.109	0	%100
76	M90C	Z	0	0	0	%100
77	M91B	X	.109	.109	0	%100
78	M91B	Z	0	0	0	%100
79	M96	X	.595	.595	0	%100
80	M96	Z	0	0	0	%100
81	M99	X	.125	.125	0	%100
82	M99	Z	0	0	0	%100
83	M100A	X	.125	.125	0	%100
84	M100A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
85	M103A	X	.742	.742	0	%100
86	M103A	Z	0	0	0	%100
87	M106	X	.125	.125	0	%100
88	M106	Z	0	0	0	%100
89	M107	X	.125	.125	0	%100
90	M107	Z	0	0	0	%100
91	M112	X	.125	.125	0	%100
92	M112	Z	0	0	0	%100
93	M113	X	.125	.125	0	%100
94	M113	Z	0	0	0	%100
95	M116	X	.742	.742	0	%100
96	M116	Z	0	0	0	%100
97	M119	X	.125	.125	0	%100
98	M119	Z	0	0	0	%100
99	M120	X	.125	.125	0	%100
100	M120	Z	0	0	0	%100
101	M125	X	0	0	0	%100
102	M125	Z	0	0	0	%100
103	M126	X	0	0	0	%100
104	M126	Z	0	0	0	%100
105	M129	X	.742	.742	0	%100
106	M129	Z	0	0	0	%100
107	M132	X	0	0	0	%100
108	M132	Z	0	0	0	%100
109	M133	X	0	0	0	%100
110	M133	Z	0	0	0	%100
111	M125A	X	.824	.824	0	%100
112	M125A	Z	0	0	0	%100
113	M126A	X	.824	.824	0	%100
114	M126A	Z	0	0	0	%100
115	M133A	X	.944	.944	0	%100
116	M133A	Z	0	0	0	%100
117	M136	X	1.777	1.777	0	%100
118	M136	Z	0	0	0	%100
119	M137	X	1.235	1.235	0	%100
120	M137	Z	0	0	0	%100
121	M138	X	1.235	1.235	0	%100
122	M138	Z	0	0	0	%100
123	M137B	X	0	0	0	%100
124	M137B	Z	0	0	0	%100
125	M138A	X	.944	.944	0	%100
126	M138A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M5	X	.934	.934	0	%100
2	M5	Z	.539	.539	0	%100
3	M7	X	.826	.826	0	%100
4	M7	Z	.477	.477	0	%100
5	M29	X	.238	.238	0	%100
6	M29	Z	.137	.137	0	%100
7	M80	X	.041	.041	0	%100
8	M80	Z	.024	.024	0	%100
9	M81	X	.041	.041	0	%100
10	M81	Z	.024	.024	0	%100
11	M82	X	.165	.165	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
12	M82	Z	.096	.096	0	%100
13	M51	X	.826	.826	0	%100
14	M51	Z	.477	.477	0	%100
15	M53	X	3.304	3.304	0	%100
16	M53	Z	1.908	1.908	0	%100
17	MP1A	X	.786	.786	0	%100
18	MP1A	Z	.454	.454	0	%100
19	MP2A	X	.786	.786	0	%100
20	MP2A	Z	.454	.454	0	%100
21	MP4A	X	.786	.786	0	%100
22	MP4A	Z	.454	.454	0	%100
23	MP5A	X	.786	.786	0	%100
24	MP5A	Z	.454	.454	0	%100
25	MP3A	X	.951	.951	0	%100
26	MP3A	Z	.549	.549	0	%100
27	MP1C	X	.786	.786	0	%100
28	MP1C	Z	.454	.454	0	%100
29	MP2C	X	.786	.786	0	%100
30	MP2C	Z	.454	.454	0	%100
31	MP4C	X	.786	.786	0	%100
32	MP4C	Z	.454	.454	0	%100
33	MP5C	X	.786	.786	0	%100
34	MP5C	Z	.454	.454	0	%100
35	MP3C	X	.951	.951	0	%100
36	MP3C	Z	.549	.549	0	%100
37	MP1B	X	.786	.786	0	%100
38	MP1B	Z	.454	.454	0	%100
39	MP2B	X	.786	.786	0	%100
40	MP2B	Z	.454	.454	0	%100
41	MP4B	X	.786	.786	0	%100
42	MP4B	Z	.454	.454	0	%100
43	MP5B	X	.786	.786	0	%100
44	MP5B	Z	.454	.454	0	%100
45	MP3B	X	.951	.951	0	%100
46	MP3B	Z	.549	.549	0	%100
47	M101	X	.643	.643	0	%100
48	M101	Z	.371	.371	0	%100
49	M106A	X	.934	.934	0	%100
50	M106A	Z	.539	.539	0	%100
51	M107A	X	0	0	0	%100
52	M107A	Z	0	0	0	%100
53	M85	X	.414	.414	0	%100
54	M85	Z	.239	.239	0	%100
55	M86A	X	.422	.422	0	%100
56	M86A	Z	.243	.243	0	%100
57	M87	X	.414	.414	0	%100
58	M87	Z	.239	.239	0	%100
59	M89B	X	.414	.414	0	%100
60	M89B	Z	.239	.239	0	%100
61	M90A	X	.422	.422	0	%100
62	M90A	Z	.243	.243	0	%100
63	M91A	X	.414	.414	0	%100
64	M91A	Z	.239	.239	0	%100
65	M93	X	1.654	1.654	0	%100
66	M93	Z	.955	.955	0	%100
67	M94A	X	1.686	1.686	0	%100
68	M94A	Z	.974	.974	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
69	M95A	X	1.654	1.654	0	%100
70	M95A	Z	.955	.955	0	%100
71	M89C	X	.031	.031	0	%100
72	M89C	Z	.018	.018	0	%100
73	M90B	X	.031	.031	0	%100
74	M90B	Z	.018	.018	0	%100
75	M90C	X	.031	.031	0	%100
76	M90C	Z	.018	.018	0	%100
77	M91B	X	.031	.031	0	%100
78	M91B	Z	.018	.018	0	%100
79	M96	X	.516	.516	0	%100
80	M96	Z	.298	.298	0	%100
81	M99	X	.036	.036	0	%100
82	M99	Z	.021	.021	0	%100
83	M100A	X	.036	.036	0	%100
84	M100A	Z	.021	.021	0	%100
85	M103A	X	.643	.643	0	%100
86	M103A	Z	.371	.371	0	%100
87	M106	X	.036	.036	0	%100
88	M106	Z	.021	.021	0	%100
89	M107	X	.036	.036	0	%100
90	M107	Z	.021	.021	0	%100
91	M112	X	.144	.144	0	%100
92	M112	Z	.083	.083	0	%100
93	M113	X	.144	.144	0	%100
94	M113	Z	.083	.083	0	%100
95	M116	X	.643	.643	0	%100
96	M116	Z	.371	.371	0	%100
97	M119	X	.144	.144	0	%100
98	M119	Z	.083	.083	0	%100
99	M120	X	.144	.144	0	%100
100	M120	Z	.083	.083	0	%100
101	M125	X	.036	.036	0	%100
102	M125	Z	.021	.021	0	%100
103	M126	X	.036	.036	0	%100
104	M126	Z	.021	.021	0	%100
105	M129	X	.643	.643	0	%100
106	M129	Z	.371	.371	0	%100
107	M132	X	.036	.036	0	%100
108	M132	Z	.021	.021	0	%100
109	M133	X	.036	.036	0	%100
110	M133	Z	.021	.021	0	%100
111	M125A	X	.238	.238	0	%100
112	M125A	Z	.137	.137	0	%100
113	M126A	X	.951	.951	0	%100
114	M126A	Z	.549	.549	0	%100
115	M133A	X	1.09	1.09	0	%100
116	M133A	Z	.63	.63	0	%100
117	M136	X	1.382	1.382	0	%100
118	M136	Z	.798	.798	0	%100
119	M137	X	1.382	1.382	0	%100
120	M137	Z	.798	.798	0	%100
121	M138	X	.913	.913	0	%100
122	M138	Z	.527	.527	0	%100
123	M137B	X	.273	.273	0	%100
124	M137B	Z	.157	.157	0	%100
125	M138A	X	.273	.273	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
126	M138A	Z	.157	.157	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M5	X	.18	.18	0	%100
2	M5	Z	.311	.311	0	%100
3	M7	X	1.431	1.431	0	%100
4	M7	Z	2.478	2.478	0	%100
5	M29	X	.412	.412	0	%100
6	M29	Z	.713	.713	0	%100
7	M80	X	.072	.072	0	%100
8	M80	Z	.124	.124	0	%100
9	M81	X	0	0	0	%100
10	M81	Z	0	0	0	%100
11	M82	X	.072	.072	0	%100
12	M82	Z	.124	.124	0	%100
13	M51	X	0	0	0	%100
14	M51	Z	0	0	0	%100
15	M53	X	1.431	1.431	0	%100
16	M53	Z	2.478	2.478	0	%100
17	MP1A	X	.454	.454	0	%100
18	MP1A	Z	.786	.786	0	%100
19	MP2A	X	.454	.454	0	%100
20	MP2A	Z	.786	.786	0	%100
21	MP4A	X	.454	.454	0	%100
22	MP4A	Z	.786	.786	0	%100
23	MP5A	X	.454	.454	0	%100
24	MP5A	Z	.786	.786	0	%100
25	MP3A	X	.549	.549	0	%100
26	MP3A	Z	.951	.951	0	%100
27	MP1C	X	.454	.454	0	%100
28	MP1C	Z	.786	.786	0	%100
29	MP2C	X	.454	.454	0	%100
30	MP2C	Z	.786	.786	0	%100
31	MP4C	X	.454	.454	0	%100
32	MP4C	Z	.786	.786	0	%100
33	MP5C	X	.454	.454	0	%100
34	MP5C	Z	.786	.786	0	%100
35	MP3C	X	.549	.549	0	%100
36	MP3C	Z	.951	.951	0	%100
37	MP1B	X	.454	.454	0	%100
38	MP1B	Z	.786	.786	0	%100
39	MP2B	X	.454	.454	0	%100
40	MP2B	Z	.786	.786	0	%100
41	MP4B	X	.454	.454	0	%100
42	MP4B	Z	.786	.786	0	%100
43	MP5B	X	.454	.454	0	%100
44	MP5B	Z	.786	.786	0	%100
45	MP3B	X	.549	.549	0	%100
46	MP3B	Z	.951	.951	0	%100
47	M101	X	.371	.371	0	%100
48	M101	Z	.643	.643	0	%100
49	M106A	X	.719	.719	0	%100
50	M106A	Z	1.245	1.245	0	%100
51	M107A	X	.18	.18	0	%100
52	M107A	Z	.311	.311	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	M85	X	.716	.716	0	%100
54	M85	Z	1.241	1.241	0	%100
55	M86A	X	.73	.73	0	%100
56	M86A	Z	1.265	1.265	0	%100
57	M87	X	.716	.716	0	%100
58	M87	Z	1.241	1.241	0	%100
59	M89B	X	0	0	0	%100
60	M89B	Z	0	0	0	%100
61	M90A	X	0	0	0	%100
62	M90A	Z	0	0	0	%100
63	M91A	X	0	0	0	%100
64	M91A	Z	0	0	0	%100
65	M93	X	.716	.716	0	%100
66	M93	Z	1.241	1.241	0	%100
67	M94A	X	.73	.73	0	%100
68	M94A	Z	1.265	1.265	0	%100
69	M95A	X	.716	.716	0	%100
70	M95A	Z	1.241	1.241	0	%100
71	M89C	X	0	0	0	%100
72	M89C	Z	0	0	0	%100
73	M90B	X	0	0	0	%100
74	M90B	Z	0	0	0	%100
75	M90C	X	0	0	0	%100
76	M90C	Z	0	0	0	%100
77	M91B	X	0	0	0	%100
78	M91B	Z	0	0	0	%100
79	M96	X	.298	.298	0	%100
80	M96	Z	.516	.516	0	%100
81	M99	X	0	0	0	%100
82	M99	Z	0	0	0	%100
83	M100A	X	0	0	0	%100
84	M100A	Z	0	0	0	%100
85	M103A	X	.371	.371	0	%100
86	M103A	Z	.643	.643	0	%100
87	M106	X	0	0	0	%100
88	M106	Z	0	0	0	%100
89	M107	X	0	0	0	%100
90	M107	Z	0	0	0	%100
91	M112	X	.062	.062	0	%100
92	M112	Z	.108	.108	0	%100
93	M113	X	.062	.062	0	%100
94	M113	Z	.108	.108	0	%100
95	M116	X	.371	.371	0	%100
96	M116	Z	.643	.643	0	%100
97	M119	X	.062	.062	0	%100
98	M119	Z	.108	.108	0	%100
99	M120	X	.062	.062	0	%100
100	M120	Z	.108	.108	0	%100
101	M125	X	.062	.062	0	%100
102	M125	Z	.108	.108	0	%100
103	M126	X	.062	.062	0	%100
104	M126	Z	.108	.108	0	%100
105	M129	X	.371	.371	0	%100
106	M129	Z	.643	.643	0	%100
107	M132	X	.062	.062	0	%100
108	M132	Z	.108	.108	0	%100
109	M133	X	.062	.062	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
110	M133	Z	.108	.108	0	%100
111	M125A	X	0	0	0	%100
112	M125A	Z	0	0	0	%100
113	M126A	X	.412	.412	0	%100
114	M126A	Z	.713	.713	0	%100
115	M133A	X	.472	.472	0	%100
116	M133A	Z	.818	.818	0	%100
117	M136	X	.617	.617	0	%100
118	M136	Z	1.069	1.069	0	%100
119	M137	X	.888	.888	0	%100
120	M137	Z	1.539	1.539	0	%100
121	M138	X	.617	.617	0	%100
122	M138	Z	1.069	1.069	0	%100
123	M137B	X	.472	.472	0	%100
124	M137B	Z	.818	.818	0	%100
125	M138A	X	0	0	0	%100
126	M138A	Z	0	0	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	M5	X	0	0	0	%100
2	M5	Z	0	0	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	3.816	3.816	0	%100
5	M29	X	0	0	0	%100
6	M29	Z	1.098	1.098	0	%100
7	M80	X	0	0	0	%100
8	M80	Z	.191	.191	0	%100
9	M81	X	0	0	0	%100
10	M81	Z	.048	.048	0	%100
11	M82	X	0	0	0	%100
12	M82	Z	.048	.048	0	%100
13	M51	X	0	0	0	%100
14	M51	Z	.954	.954	0	%100
15	M53	X	0	0	0	%100
16	M53	Z	.954	.954	0	%100
17	MP1A	X	0	0	0	%100
18	MP1A	Z	.907	.907	0	%100
19	MP2A	X	0	0	0	%100
20	MP2A	Z	.907	.907	0	%100
21	MP4A	X	0	0	0	%100
22	MP4A	Z	.907	.907	0	%100
23	MP5A	X	0	0	0	%100
24	MP5A	Z	.907	.907	0	%100
25	MP3A	X	0	0	0	%100
26	MP3A	Z	1.098	1.098	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	.907	.907	0	%100
29	MP2C	X	0	0	0	%100
30	MP2C	Z	.907	.907	0	%100
31	MP4C	X	0	0	0	%100
32	MP4C	Z	.907	.907	0	%100
33	MP5C	X	0	0	0	%100
34	MP5C	Z	.907	.907	0	%100
35	MP3C	X	0	0	0	%100
36	MP3C	Z	1.098	1.098	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
37	MP1B	X	0	0	0	%100
38	MP1B	Z	.907	.907	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	.907	.907	0	%100
41	MP4B	X	0	0	0	%100
42	MP4B	Z	.907	.907	0	%100
43	MP5B	X	0	0	0	%100
44	MP5B	Z	.907	.907	0	%100
45	MP3B	X	0	0	0	%100
46	MP3B	Z	1.098	1.098	0	%100
47	M101	X	0	0	0	%100
48	M101	Z	.742	.742	0	%100
49	M106A	X	0	0	0	%100
50	M106A	Z	1.078	1.078	0	%100
51	M107A	X	0	0	0	%100
52	M107A	Z	1.078	1.078	0	%100
53	M85	X	0	0	0	%100
54	M85	Z	1.91	1.91	0	%100
55	M86A	X	0	0	0	%100
56	M86A	Z	1.947	1.947	0	%100
57	M87	X	0	0	0	%100
58	M87	Z	1.91	1.91	0	%100
59	M89B	X	0	0	0	%100
60	M89B	Z	.478	.478	0	%100
61	M90A	X	0	0	0	%100
62	M90A	Z	.487	.487	0	%100
63	M91A	X	0	0	0	%100
64	M91A	Z	.478	.478	0	%100
65	M93	X	0	0	0	%100
66	M93	Z	.478	.478	0	%100
67	M94A	X	0	0	0	%100
68	M94A	Z	.487	.487	0	%100
69	M95A	X	0	0	0	%100
70	M95A	Z	.478	.478	0	%100
71	M89C	X	0	0	0	%100
72	M89C	Z	.036	.036	0	%100
73	M90B	X	0	0	0	%100
74	M90B	Z	.036	.036	0	%100
75	M90C	X	0	0	0	%100
76	M90C	Z	.036	.036	0	%100
77	M91B	X	0	0	0	%100
78	M91B	Z	.036	.036	0	%100
79	M96	X	0	0	0	%100
80	M96	Z	.595	.595	0	%100
81	M99	X	0	0	0	%100
82	M99	Z	.042	.042	0	%100
83	M100A	X	0	0	0	%100
84	M100A	Z	.042	.042	0	%100
85	M103A	X	0	0	0	%100
86	M103A	Z	.742	.742	0	%100
87	M106	X	0	0	0	%100
88	M106	Z	.042	.042	0	%100
89	M107	X	0	0	0	%100
90	M107	Z	.042	.042	0	%100
91	M112	X	0	0	0	%100
92	M112	Z	.042	.042	0	%100
93	M113	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
94	M113	Z	.042	.042	0	%100
95	M116	X	0	0	0	%100
96	M116	Z	.742	.742	0	%100
97	M119	X	0	0	0	%100
98	M119	Z	.042	.042	0	%100
99	M120	X	0	0	0	%100
100	M120	Z	.042	.042	0	%100
101	M125	X	0	0	0	%100
102	M125	Z	.166	.166	0	%100
103	M126	X	0	0	0	%100
104	M126	Z	.166	.166	0	%100
105	M129	X	0	0	0	%100
106	M129	Z	.742	.742	0	%100
107	M132	X	0	0	0	%100
108	M132	Z	.166	.166	0	%100
109	M133	X	0	0	0	%100
110	M133	Z	.166	.166	0	%100
111	M125A	X	0	0	0	%100
112	M125A	Z	.275	.275	0	%100
113	M126A	X	0	0	0	%100
114	M126A	Z	.275	.275	0	%100
115	M133A	X	0	0	0	%100
116	M133A	Z	.315	.315	0	%100
117	M136	X	0	0	0	%100
118	M136	Z	1.054	1.054	0	%100
119	M137	X	0	0	0	%100
120	M137	Z	1.596	1.596	0	%100
121	M138	X	0	0	0	%100
122	M138	Z	1.596	1.596	0	%100
123	M137B	X	0	0	0	%100
124	M137B	Z	1.259	1.259	0	%100
125	M138A	X	0	0	0	%100
126	M138A	Z	.315	.315	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	M5	X	-.18	-.18	0	%100
2	M5	Z	.311	.311	0	%100
3	M7	X	-1.431	-1.431	0	%100
4	M7	Z	2.478	2.478	0	%100
5	M29	X	-.412	-.412	0	%100
6	M29	Z	.713	.713	0	%100
7	M80	X	-.072	-.072	0	%100
8	M80	Z	.124	.124	0	%100
9	M81	X	-.072	-.072	0	%100
10	M81	Z	.124	.124	0	%100
11	M82	X	0	0	0	%100
12	M82	Z	0	0	0	%100
13	M51	X	-1.431	-1.431	0	%100
14	M51	Z	2.478	2.478	0	%100
15	M53	X	0	0	0	%100
16	M53	Z	0	0	0	%100
17	MP1A	X	-.454	-.454	0	%100
18	MP1A	Z	.786	.786	0	%100
19	MP2A	X	-.454	-.454	0	%100
20	MP2A	Z	.786	.786	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
21	MP4A	X	-.454	-.454	0	%100
22	MP4A	Z	.786	.786	0	%100
23	MP5A	X	-.454	-.454	0	%100
24	MP5A	Z	.786	.786	0	%100
25	MP3A	X	-.549	-.549	0	%100
26	MP3A	Z	.951	.951	0	%100
27	MP1C	X	-.454	-.454	0	%100
28	MP1C	Z	.786	.786	0	%100
29	MP2C	X	-.454	-.454	0	%100
30	MP2C	Z	.786	.786	0	%100
31	MP4C	X	-.454	-.454	0	%100
32	MP4C	Z	.786	.786	0	%100
33	MP5C	X	-.454	-.454	0	%100
34	MP5C	Z	.786	.786	0	%100
35	MP3C	X	-.549	-.549	0	%100
36	MP3C	Z	.951	.951	0	%100
37	MP1B	X	-.454	-.454	0	%100
38	MP1B	Z	.786	.786	0	%100
39	MP2B	X	-.454	-.454	0	%100
40	MP2B	Z	.786	.786	0	%100
41	MP4B	X	-.454	-.454	0	%100
42	MP4B	Z	.786	.786	0	%100
43	MP5B	X	-.454	-.454	0	%100
44	MP5B	Z	.786	.786	0	%100
45	MP3B	X	-.549	-.549	0	%100
46	MP3B	Z	.951	.951	0	%100
47	M101	X	-.371	-.371	0	%100
48	M101	Z	.643	.643	0	%100
49	M106A	X	-.18	-.18	0	%100
50	M106A	Z	.311	.311	0	%100
51	M107A	X	-.719	-.719	0	%100
52	M107A	Z	1.245	1.245	0	%100
53	M85	X	-.716	-.716	0	%100
54	M85	Z	1.241	1.241	0	%100
55	M86A	X	-.73	-.73	0	%100
56	M86A	Z	1.265	1.265	0	%100
57	M87	X	-.716	-.716	0	%100
58	M87	Z	1.241	1.241	0	%100
59	M89B	X	-.716	-.716	0	%100
60	M89B	Z	1.241	1.241	0	%100
61	M90A	X	-.73	-.73	0	%100
62	M90A	Z	1.265	1.265	0	%100
63	M91A	X	-.716	-.716	0	%100
64	M91A	Z	1.241	1.241	0	%100
65	M93	X	0	0	0	%100
66	M93	Z	0	0	0	%100
67	M94A	X	0	0	0	%100
68	M94A	Z	0	0	0	%100
69	M95A	X	0	0	0	%100
70	M95A	Z	0	0	0	%100
71	M89C	X	-.054	-.054	0	%100
72	M89C	Z	.094	.094	0	%100
73	M90B	X	-.054	-.054	0	%100
74	M90B	Z	.094	.094	0	%100
75	M90C	X	-.054	-.054	0	%100
76	M90C	Z	.094	.094	0	%100
77	M91B	X	-.054	-.054	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
78	M91B	Z	.094	.094	0	%100
79	M96	X	-.298	-.298	0	%100
80	M96	Z	.516	.516	0	%100
81	M99	X	-.062	-.062	0	%100
82	M99	Z	.108	.108	0	%100
83	M100A	X	-.062	-.062	0	%100
84	M100A	Z	.108	.108	0	%100
85	M103A	X	-.371	-.371	0	%100
86	M103A	Z	.643	.643	0	%100
87	M106	X	-.062	-.062	0	%100
88	M106	Z	.108	.108	0	%100
89	M107	X	-.062	-.062	0	%100
90	M107	Z	.108	.108	0	%100
91	M112	X	0	0	0	%100
92	M112	Z	0	0	0	%100
93	M113	X	0	0	0	%100
94	M113	Z	0	0	0	%100
95	M116	X	-.371	-.371	0	%100
96	M116	Z	.643	.643	0	%100
97	M119	X	0	0	0	%100
98	M119	Z	0	0	0	%100
99	M120	X	0	0	0	%100
100	M120	Z	0	0	0	%100
101	M125	X	-.062	-.062	0	%100
102	M125	Z	.108	.108	0	%100
103	M126	X	-.062	-.062	0	%100
104	M126	Z	.108	.108	0	%100
105	M129	X	-.371	-.371	0	%100
106	M129	Z	.643	.643	0	%100
107	M132	X	-.062	-.062	0	%100
108	M132	Z	.108	.108	0	%100
109	M133	X	-.062	-.062	0	%100
110	M133	Z	.108	.108	0	%100
111	M125A	X	-.412	-.412	0	%100
112	M125A	Z	.713	.713	0	%100
113	M126A	X	0	0	0	%100
114	M126A	Z	0	0	0	%100
115	M133A	X	0	0	0	%100
116	M133A	Z	0	0	0	%100
117	M136	X	-.617	-.617	0	%100
118	M136	Z	1.069	1.069	0	%100
119	M137	X	-.617	-.617	0	%100
120	M137	Z	1.069	1.069	0	%100
121	M138	X	-.888	-.888	0	%100
122	M138	Z	1.539	1.539	0	%100
123	M137B	X	-.472	-.472	0	%100
124	M137B	Z	.818	.818	0	%100
125	M138A	X	-.472	-.472	0	%100
126	M138A	Z	.818	.818	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	M5	X	-.934	-.934	0	%100
2	M5	Z	.539	.539	0	%100
3	M7	X	-.826	-.826	0	%100
4	M7	Z	.477	.477	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
5	M29	X	-.238	-.238	0	%100
6	M29	Z	.137	.137	0	%100
7	M80	X	-.041	-.041	0	%100
8	M80	Z	.024	.024	0	%100
9	M81	X	-.165	-.165	0	%100
10	M81	Z	.096	.096	0	%100
11	M82	X	-.041	-.041	0	%100
12	M82	Z	.024	.024	0	%100
13	M51	X	-3.304	-3.304	0	%100
14	M51	Z	1.908	1.908	0	%100
15	M53	X	-.826	-.826	0	%100
16	M53	Z	.477	.477	0	%100
17	MP1A	X	-.786	-.786	0	%100
18	MP1A	Z	.454	.454	0	%100
19	MP2A	X	-.786	-.786	0	%100
20	MP2A	Z	.454	.454	0	%100
21	MP4A	X	-.786	-.786	0	%100
22	MP4A	Z	.454	.454	0	%100
23	MP5A	X	-.786	-.786	0	%100
24	MP5A	Z	.454	.454	0	%100
25	MP3A	X	-.951	-.951	0	%100
26	MP3A	Z	.549	.549	0	%100
27	MP1C	X	-.786	-.786	0	%100
28	MP1C	Z	.454	.454	0	%100
29	MP2C	X	-.786	-.786	0	%100
30	MP2C	Z	.454	.454	0	%100
31	MP4C	X	-.786	-.786	0	%100
32	MP4C	Z	.454	.454	0	%100
33	MP5C	X	-.786	-.786	0	%100
34	MP5C	Z	.454	.454	0	%100
35	MP3C	X	-.951	-.951	0	%100
36	MP3C	Z	.549	.549	0	%100
37	MP1B	X	-.786	-.786	0	%100
38	MP1B	Z	.454	.454	0	%100
39	MP2B	X	-.786	-.786	0	%100
40	MP2B	Z	.454	.454	0	%100
41	MP4B	X	-.786	-.786	0	%100
42	MP4B	Z	.454	.454	0	%100
43	MP5B	X	-.786	-.786	0	%100
44	MP5B	Z	.454	.454	0	%100
45	MP3B	X	-.951	-.951	0	%100
46	MP3B	Z	.549	.549	0	%100
47	M101	X	-.643	-.643	0	%100
48	M101	Z	.371	.371	0	%100
49	M106A	X	0	0	0	%100
50	M106A	Z	0	0	0	%100
51	M107A	X	-.934	-.934	0	%100
52	M107A	Z	.539	.539	0	%100
53	M85	X	-.414	-.414	0	%100
54	M85	Z	.239	.239	0	%100
55	M86A	X	-.422	-.422	0	%100
56	M86A	Z	.243	.243	0	%100
57	M87	X	-.414	-.414	0	%100
58	M87	Z	.239	.239	0	%100
59	M89B	X	-1.654	-1.654	0	%100
60	M89B	Z	.955	.955	0	%100
61	M90A	X	-1.686	-1.686	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
62	M90A	Z	.974	.974	0	%100
63	M91A	X	-1.654	-1.654	0	%100
64	M91A	Z	.955	.955	0	%100
65	M93	X	-.414	-.414	0	%100
66	M93	Z	.239	.239	0	%100
67	M94A	X	-.422	-.422	0	%100
68	M94A	Z	.243	.243	0	%100
69	M95A	X	-.414	-.414	0	%100
70	M95A	Z	.239	.239	0	%100
71	M89C	X	-.126	-.126	0	%100
72	M89C	Z	.073	.073	0	%100
73	M90B	X	-.126	-.126	0	%100
74	M90B	Z	.073	.073	0	%100
75	M90C	X	-.126	-.126	0	%100
76	M90C	Z	.073	.073	0	%100
77	M91B	X	-.126	-.126	0	%100
78	M91B	Z	.073	.073	0	%100
79	M96	X	-.516	-.516	0	%100
80	M96	Z	.298	.298	0	%100
81	M99	X	-.144	-.144	0	%100
82	M99	Z	.083	.083	0	%100
83	M100A	X	-.144	-.144	0	%100
84	M100A	Z	.083	.083	0	%100
85	M103A	X	-.643	-.643	0	%100
86	M103A	Z	.371	.371	0	%100
87	M106	X	-.144	-.144	0	%100
88	M106	Z	.083	.083	0	%100
89	M107	X	-.144	-.144	0	%100
90	M107	Z	.083	.083	0	%100
91	M112	X	-.036	-.036	0	%100
92	M112	Z	.021	.021	0	%100
93	M113	X	-.036	-.036	0	%100
94	M113	Z	.021	.021	0	%100
95	M116	X	-.643	-.643	0	%100
96	M116	Z	.371	.371	0	%100
97	M119	X	-.036	-.036	0	%100
98	M119	Z	.021	.021	0	%100
99	M120	X	-.036	-.036	0	%100
100	M120	Z	.021	.021	0	%100
101	M125	X	-.036	-.036	0	%100
102	M125	Z	.021	.021	0	%100
103	M126	X	-.036	-.036	0	%100
104	M126	Z	.021	.021	0	%100
105	M129	X	-.643	-.643	0	%100
106	M129	Z	.371	.371	0	%100
107	M132	X	-.036	-.036	0	%100
108	M132	Z	.021	.021	0	%100
109	M133	X	-.036	-.036	0	%100
110	M133	Z	.021	.021	0	%100
111	M125A	X	-.951	-.951	0	%100
112	M125A	Z	.549	.549	0	%100
113	M126A	X	-.238	-.238	0	%100
114	M126A	Z	.137	.137	0	%100
115	M133A	X	-.273	-.273	0	%100
116	M133A	Z	.157	.157	0	%100
117	M136	X	-1.382	-1.382	0	%100
118	M136	Z	.798	.798	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
119	M137	X	-.913	-.913	0	%100
120	M137	Z	.527	.527	0	%100
121	M138	X	-1.382	-1.382	0	%100
122	M138	Z	.798	.798	0	%100
123	M137B	X	-.273	-.273	0	%100
124	M137B	Z	.157	.157	0	%100
125	M138A	X	-1.09	-1.09	0	%100
126	M138A	Z	.63	.63	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M5	X	-1.437	-1.437	0	%100
2	M5	Z	0	0	0	%100
3	M7	X	0	0	0	%100
4	M7	Z	0	0	0	%100
5	M29	X	0	0	0	%100
6	M29	Z	0	0	0	%100
7	M80	X	0	0	0	%100
8	M80	Z	0	0	0	%100
9	M81	X	-.143	-.143	0	%100
10	M81	Z	0	0	0	%100
11	M82	X	-.143	-.143	0	%100
12	M82	Z	0	0	0	%100
13	M51	X	-2.862	-2.862	0	%100
14	M51	Z	0	0	0	%100
15	M53	X	-2.862	-2.862	0	%100
16	M53	Z	0	0	0	%100
17	MP1A	X	-.907	-.907	0	%100
18	MP1A	Z	0	0	0	%100
19	MP2A	X	-.907	-.907	0	%100
20	MP2A	Z	0	0	0	%100
21	MP4A	X	-.907	-.907	0	%100
22	MP4A	Z	0	0	0	%100
23	MP5A	X	-.907	-.907	0	%100
24	MP5A	Z	0	0	0	%100
25	MP3A	X	-1.098	-1.098	0	%100
26	MP3A	Z	0	0	0	%100
27	MP1C	X	-.907	-.907	0	%100
28	MP1C	Z	0	0	0	%100
29	MP2C	X	-.907	-.907	0	%100
30	MP2C	Z	0	0	0	%100
31	MP4C	X	-.907	-.907	0	%100
32	MP4C	Z	0	0	0	%100
33	MP5C	X	-.907	-.907	0	%100
34	MP5C	Z	0	0	0	%100
35	MP3C	X	-1.098	-1.098	0	%100
36	MP3C	Z	0	0	0	%100
37	MP1B	X	-.907	-.907	0	%100
38	MP1B	Z	0	0	0	%100
39	MP2B	X	-.907	-.907	0	%100
40	MP2B	Z	0	0	0	%100
41	MP4B	X	-.907	-.907	0	%100
42	MP4B	Z	0	0	0	%100
43	MP5B	X	-.907	-.907	0	%100
44	MP5B	Z	0	0	0	%100
45	MP3B	X	-1.098	-1.098	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	MP3B	Z	0	0	0	%100
47	M101	X	-.742	-.742	0	%100
48	M101	Z	0	0	0	%100
49	M106A	X	-.359	-.359	0	%100
50	M106A	Z	0	0	0	%100
51	M107A	X	-.359	-.359	0	%100
52	M107A	Z	0	0	0	%100
53	M85	X	0	0	0	%100
54	M85	Z	0	0	0	%100
55	M86A	X	0	0	0	%100
56	M86A	Z	0	0	0	%100
57	M87	X	0	0	0	%100
58	M87	Z	0	0	0	%100
59	M89B	X	-1.433	-1.433	0	%100
60	M89B	Z	0	0	0	%100
61	M90A	X	-1.461	-1.461	0	%100
62	M90A	Z	0	0	0	%100
63	M91A	X	-1.433	-1.433	0	%100
64	M91A	Z	0	0	0	%100
65	M93	X	-1.433	-1.433	0	%100
66	M93	Z	0	0	0	%100
67	M94A	X	-1.461	-1.461	0	%100
68	M94A	Z	0	0	0	%100
69	M95A	X	-1.433	-1.433	0	%100
70	M95A	Z	0	0	0	%100
71	M89C	X	-.109	-.109	0	%100
72	M89C	Z	0	0	0	%100
73	M90B	X	-.109	-.109	0	%100
74	M90B	Z	0	0	0	%100
75	M90C	X	-.109	-.109	0	%100
76	M90C	Z	0	0	0	%100
77	M91B	X	-.109	-.109	0	%100
78	M91B	Z	0	0	0	%100
79	M96	X	-.595	-.595	0	%100
80	M96	Z	0	0	0	%100
81	M99	X	-.125	-.125	0	%100
82	M99	Z	0	0	0	%100
83	M100A	X	-.125	-.125	0	%100
84	M100A	Z	0	0	0	%100
85	M103A	X	-.742	-.742	0	%100
86	M103A	Z	0	0	0	%100
87	M106	X	-.125	-.125	0	%100
88	M106	Z	0	0	0	%100
89	M107	X	-.125	-.125	0	%100
90	M107	Z	0	0	0	%100
91	M112	X	-.125	-.125	0	%100
92	M112	Z	0	0	0	%100
93	M113	X	-.125	-.125	0	%100
94	M113	Z	0	0	0	%100
95	M116	X	-.742	-.742	0	%100
96	M116	Z	0	0	0	%100
97	M119	X	-.125	-.125	0	%100
98	M119	Z	0	0	0	%100
99	M120	X	-.125	-.125	0	%100
100	M120	Z	0	0	0	%100
101	M125	X	0	0	0	%100
102	M125	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
103	M126	X	0	0	0	%100
104	M126	Z	0	0	0	%100
105	M129	X	-.742	-.742	0	%100
106	M129	Z	0	0	0	%100
107	M132	X	0	0	0	%100
108	M132	Z	0	0	0	%100
109	M133	X	0	0	0	%100
110	M133	Z	0	0	0	%100
111	M125A	X	-.824	-.824	0	%100
112	M125A	Z	0	0	0	%100
113	M126A	X	-.824	-.824	0	%100
114	M126A	Z	0	0	0	%100
115	M133A	X	-.944	-.944	0	%100
116	M133A	Z	0	0	0	%100
117	M136	X	-1.777	-1.777	0	%100
118	M136	Z	0	0	0	%100
119	M137	X	-1.235	-1.235	0	%100
120	M137	Z	0	0	0	%100
121	M138	X	-1.235	-1.235	0	%100
122	M138	Z	0	0	0	%100
123	M137B	X	0	0	0	%100
124	M137B	Z	0	0	0	%100
125	M138A	X	-.944	-.944	0	%100
126	M138A	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	M5	X	-.934	-.934	0	%100
2	M5	Z	-.539	-.539	0	%100
3	M7	X	-.826	-.826	0	%100
4	M7	Z	-.477	-.477	0	%100
5	M29	X	-.238	-.238	0	%100
6	M29	Z	-.137	-.137	0	%100
7	M80	X	-.041	-.041	0	%100
8	M80	Z	-.024	-.024	0	%100
9	M81	X	-.041	-.041	0	%100
10	M81	Z	-.024	-.024	0	%100
11	M82	X	-.165	-.165	0	%100
12	M82	Z	-.096	-.096	0	%100
13	M51	X	-.826	-.826	0	%100
14	M51	Z	-.477	-.477	0	%100
15	M53	X	-3.304	-3.304	0	%100
16	M53	Z	-1.908	-1.908	0	%100
17	MP1A	X	-.786	-.786	0	%100
18	MP1A	Z	-.454	-.454	0	%100
19	MP2A	X	-.786	-.786	0	%100
20	MP2A	Z	-.454	-.454	0	%100
21	MP4A	X	-.786	-.786	0	%100
22	MP4A	Z	-.454	-.454	0	%100
23	MP5A	X	-.786	-.786	0	%100
24	MP5A	Z	-.454	-.454	0	%100
25	MP3A	X	-.951	-.951	0	%100
26	MP3A	Z	-.549	-.549	0	%100
27	MP1C	X	-.786	-.786	0	%100
28	MP1C	Z	-.454	-.454	0	%100
29	MP2C	X	-.786	-.786	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
30	MP2C	Z	-.454	-.454	0	%100
31	MP4C	X	-.786	-.786	0	%100
32	MP4C	Z	-.454	-.454	0	%100
33	MP5C	X	-.786	-.786	0	%100
34	MP5C	Z	-.454	-.454	0	%100
35	MP3C	X	-.951	-.951	0	%100
36	MP3C	Z	-.549	-.549	0	%100
37	MP1B	X	-.786	-.786	0	%100
38	MP1B	Z	-.454	-.454	0	%100
39	MP2B	X	-.786	-.786	0	%100
40	MP2B	Z	-.454	-.454	0	%100
41	MP4B	X	-.786	-.786	0	%100
42	MP4B	Z	-.454	-.454	0	%100
43	MP5B	X	-.786	-.786	0	%100
44	MP5B	Z	-.454	-.454	0	%100
45	MP3B	X	-.951	-.951	0	%100
46	MP3B	Z	-.549	-.549	0	%100
47	M101	X	-.643	-.643	0	%100
48	M101	Z	-.371	-.371	0	%100
49	M106A	X	-.934	-.934	0	%100
50	M106A	Z	-.539	-.539	0	%100
51	M107A	X	0	0	0	%100
52	M107A	Z	0	0	0	%100
53	M85	X	-.414	-.414	0	%100
54	M85	Z	-.239	-.239	0	%100
55	M86A	X	-.422	-.422	0	%100
56	M86A	Z	-.243	-.243	0	%100
57	M87	X	-.414	-.414	0	%100
58	M87	Z	-.239	-.239	0	%100
59	M89B	X	-.414	-.414	0	%100
60	M89B	Z	-.239	-.239	0	%100
61	M90A	X	-.422	-.422	0	%100
62	M90A	Z	-.243	-.243	0	%100
63	M91A	X	-.414	-.414	0	%100
64	M91A	Z	-.239	-.239	0	%100
65	M93	X	-1.654	-1.654	0	%100
66	M93	Z	-.955	-.955	0	%100
67	M94A	X	-1.686	-1.686	0	%100
68	M94A	Z	-.974	-.974	0	%100
69	M95A	X	-1.654	-1.654	0	%100
70	M95A	Z	-.955	-.955	0	%100
71	M89C	X	-.031	-.031	0	%100
72	M89C	Z	-.018	-.018	0	%100
73	M90B	X	-.031	-.031	0	%100
74	M90B	Z	-.018	-.018	0	%100
75	M90C	X	-.031	-.031	0	%100
76	M90C	Z	-.018	-.018	0	%100
77	M91B	X	-.031	-.031	0	%100
78	M91B	Z	-.018	-.018	0	%100
79	M96	X	-.516	-.516	0	%100
80	M96	Z	-.298	-.298	0	%100
81	M99	X	-.036	-.036	0	%100
82	M99	Z	-.021	-.021	0	%100
83	M100A	X	-.036	-.036	0	%100
84	M100A	Z	-.021	-.021	0	%100
85	M103A	X	-.643	-.643	0	%100
86	M103A	Z	-.371	-.371	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
87	M106	X	-.036	-.036	0	%100
88	M106	Z	-.021	-.021	0	%100
89	M107	X	-.036	-.036	0	%100
90	M107	Z	-.021	-.021	0	%100
91	M112	X	-.144	-.144	0	%100
92	M112	Z	-.083	-.083	0	%100
93	M113	X	-.144	-.144	0	%100
94	M113	Z	-.083	-.083	0	%100
95	M116	X	-.643	-.643	0	%100
96	M116	Z	-.371	-.371	0	%100
97	M119	X	-.144	-.144	0	%100
98	M119	Z	-.083	-.083	0	%100
99	M120	X	-.144	-.144	0	%100
100	M120	Z	-.083	-.083	0	%100
101	M125	X	-.036	-.036	0	%100
102	M125	Z	-.021	-.021	0	%100
103	M126	X	-.036	-.036	0	%100
104	M126	Z	-.021	-.021	0	%100
105	M129	X	-.643	-.643	0	%100
106	M129	Z	-.371	-.371	0	%100
107	M132	X	-.036	-.036	0	%100
108	M132	Z	-.021	-.021	0	%100
109	M133	X	-.036	-.036	0	%100
110	M133	Z	-.021	-.021	0	%100
111	M125A	X	-.238	-.238	0	%100
112	M125A	Z	-.137	-.137	0	%100
113	M126A	X	-.951	-.951	0	%100
114	M126A	Z	-.549	-.549	0	%100
115	M133A	X	-1.09	-1.09	0	%100
116	M133A	Z	-.63	-.63	0	%100
117	M136	X	-1.382	-1.382	0	%100
118	M136	Z	-.798	-.798	0	%100
119	M137	X	-1.382	-1.382	0	%100
120	M137	Z	-.798	-.798	0	%100
121	M138	X	-.913	-.913	0	%100
122	M138	Z	-.527	-.527	0	%100
123	M137B	X	-.273	-.273	0	%100
124	M137B	Z	-.157	-.157	0	%100
125	M138A	X	-.273	-.273	0	%100
126	M138A	Z	-.157	-.157	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	M5	X	-.18	-.18	0	%100
2	M5	Z	-.311	-.311	0	%100
3	M7	X	-1.431	-1.431	0	%100
4	M7	Z	-2.478	-2.478	0	%100
5	M29	X	-.412	-.412	0	%100
6	M29	Z	-.713	-.713	0	%100
7	M80	X	-.072	-.072	0	%100
8	M80	Z	-.124	-.124	0	%100
9	M81	X	0	0	0	%100
10	M81	Z	0	0	0	%100
11	M82	X	-.072	-.072	0	%100
12	M82	Z	-.124	-.124	0	%100
13	M51	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
14	M51	Z	0	0	0	%100
15	M53	X	-1.431	-1.431	0	%100
16	M53	Z	-2.478	-2.478	0	%100
17	MP1A	X	-.454	-.454	0	%100
18	MP1A	Z	-.786	-.786	0	%100
19	MP2A	X	-.454	-.454	0	%100
20	MP2A	Z	-.786	-.786	0	%100
21	MP4A	X	-.454	-.454	0	%100
22	MP4A	Z	-.786	-.786	0	%100
23	MP5A	X	-.454	-.454	0	%100
24	MP5A	Z	-.786	-.786	0	%100
25	MP3A	X	-.549	-.549	0	%100
26	MP3A	Z	-.951	-.951	0	%100
27	MP1C	X	-.454	-.454	0	%100
28	MP1C	Z	-.786	-.786	0	%100
29	MP2C	X	-.454	-.454	0	%100
30	MP2C	Z	-.786	-.786	0	%100
31	MP4C	X	-.454	-.454	0	%100
32	MP4C	Z	-.786	-.786	0	%100
33	MP5C	X	-.454	-.454	0	%100
34	MP5C	Z	-.786	-.786	0	%100
35	MP3C	X	-.549	-.549	0	%100
36	MP3C	Z	-.951	-.951	0	%100
37	MP1B	X	-.454	-.454	0	%100
38	MP1B	Z	-.786	-.786	0	%100
39	MP2B	X	-.454	-.454	0	%100
40	MP2B	Z	-.786	-.786	0	%100
41	MP4B	X	-.454	-.454	0	%100
42	MP4B	Z	-.786	-.786	0	%100
43	MP5B	X	-.454	-.454	0	%100
44	MP5B	Z	-.786	-.786	0	%100
45	MP3B	X	-.549	-.549	0	%100
46	MP3B	Z	-.951	-.951	0	%100
47	M101	X	-.371	-.371	0	%100
48	M101	Z	-.643	-.643	0	%100
49	M106A	X	-.719	-.719	0	%100
50	M106A	Z	-1.245	-1.245	0	%100
51	M107A	X	-.18	-.18	0	%100
52	M107A	Z	-.311	-.311	0	%100
53	M85	X	-.716	-.716	0	%100
54	M85	Z	-1.241	-1.241	0	%100
55	M86A	X	-.73	-.73	0	%100
56	M86A	Z	-1.265	-1.265	0	%100
57	M87	X	-.716	-.716	0	%100
58	M87	Z	-1.241	-1.241	0	%100
59	M89B	X	0	0	0	%100
60	M89B	Z	0	0	0	%100
61	M90A	X	0	0	0	%100
62	M90A	Z	0	0	0	%100
63	M91A	X	0	0	0	%100
64	M91A	Z	0	0	0	%100
65	M93	X	-.716	-.716	0	%100
66	M93	Z	-1.241	-1.241	0	%100
67	M94A	X	-.73	-.73	0	%100
68	M94A	Z	-1.265	-1.265	0	%100
69	M95A	X	-.716	-.716	0	%100
70	M95A	Z	-1.241	-1.241	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
71	M89C	X	0	0	0	%100
72	M89C	Z	0	0	0	%100
73	M90B	X	0	0	0	%100
74	M90B	Z	0	0	0	%100
75	M90C	X	0	0	0	%100
76	M90C	Z	0	0	0	%100
77	M91B	X	0	0	0	%100
78	M91B	Z	0	0	0	%100
79	M96	X	-.298	-.298	0	%100
80	M96	Z	-.516	-.516	0	%100
81	M99	X	0	0	0	%100
82	M99	Z	0	0	0	%100
83	M100A	X	0	0	0	%100
84	M100A	Z	0	0	0	%100
85	M103A	X	-.371	-.371	0	%100
86	M103A	Z	-.643	-.643	0	%100
87	M106	X	0	0	0	%100
88	M106	Z	0	0	0	%100
89	M107	X	0	0	0	%100
90	M107	Z	0	0	0	%100
91	M112	X	-.062	-.062	0	%100
92	M112	Z	-.108	-.108	0	%100
93	M113	X	-.062	-.062	0	%100
94	M113	Z	-.108	-.108	0	%100
95	M116	X	-.371	-.371	0	%100
96	M116	Z	-.643	-.643	0	%100
97	M119	X	-.062	-.062	0	%100
98	M119	Z	-.108	-.108	0	%100
99	M120	X	-.062	-.062	0	%100
100	M120	Z	-.108	-.108	0	%100
101	M125	X	-.062	-.062	0	%100
102	M125	Z	-.108	-.108	0	%100
103	M126	X	-.062	-.062	0	%100
104	M126	Z	-.108	-.108	0	%100
105	M129	X	-.371	-.371	0	%100
106	M129	Z	-.643	-.643	0	%100
107	M132	X	-.062	-.062	0	%100
108	M132	Z	-.108	-.108	0	%100
109	M133	X	-.062	-.062	0	%100
110	M133	Z	-.108	-.108	0	%100
111	M125A	X	0	0	0	%100
112	M125A	Z	0	0	0	%100
113	M126A	X	-.412	-.412	0	%100
114	M126A	Z	-.713	-.713	0	%100
115	M133A	X	-.472	-.472	0	%100
116	M133A	Z	-.818	-.818	0	%100
117	M136	X	-.617	-.617	0	%100
118	M136	Z	-1.069	-1.069	0	%100
119	M137	X	-.888	-.888	0	%100
120	M137	Z	-1.539	-1.539	0	%100
121	M138	X	-.617	-.617	0	%100
122	M138	Z	-1.069	-1.069	0	%100
123	M137B	X	-.472	-.472	0	%100
124	M137B	Z	-.818	-.818	0	%100
125	M138A	X	0	0	0	%100
126	M138A	Z	0	0	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	M7	Y	-.269	-7.167	0	1.495
2	M7	Y	-7.167	-10.742	1.495	2.99
3	M7	Y	-10.742	-15.84	2.99	4.485
4	M7	Y	-15.84	-10.919	4.485	5.98
5	M7	Y	-10.919	-.269	5.98	7.475
6	M53	Y	-11.827	-16.17	6.229	7.475
7	M53	Y	-16.17	-14.933	7.475	8.721
8	M53	Y	-14.933	-10.404	8.721	9.967
9	M53	Y	-10.404	-4.751	9.967	11.213
10	M53	Y	-4.751	-.217	11.213	12.458
11	M51	Y	-11.827	-16.17	6.229	7.475
12	M51	Y	-16.17	-14.933	7.475	8.721
13	M51	Y	-14.933	-10.404	8.721	9.967
14	M51	Y	-10.404	-4.751	9.967	11.213
15	M51	Y	-4.751	-.217	11.213	12.458
16	M53	Y	-.269	-7.167	0	1.495
17	M53	Y	-7.167	-10.742	1.495	2.99
18	M53	Y	-10.742	-15.84	2.99	4.485
19	M53	Y	-15.84	-10.919	4.485	5.98
20	M53	Y	-10.919	-.269	5.98	7.475
21	M86A	Y	-1.157	-6.319	0	.725
22	M86A	Y	-6.319	-6.459	.725	1.449
23	M86A	Y	-6.459	-1.576	1.449	2.174
24	M90A	Y	-.661	-6.227	3.261	3.986
25	M90A	Y	-6.227	-7.826	3.986	4.71
26	M90A	Y	-7.826	-4.397	4.71	5.435
27	M86A	Y	-.661	-6.227	3.261	3.986
28	M86A	Y	-6.227	-7.826	3.986	4.71
29	M86A	Y	-7.826	-4.397	4.71	5.435
30	M94A	Y	-1.157	-6.319	0	.725
31	M94A	Y	-6.319	-6.459	.725	1.449
32	M94A	Y	-6.459	-1.576	1.449	2.174
33	M90A	Y	-1.157	-6.319	0	.725
34	M90A	Y	-6.319	-6.459	.725	1.449
35	M90A	Y	-6.459	-1.576	1.449	2.174
36	M94A	Y	-.661	-6.227	3.261	3.986
37	M94A	Y	-6.227	-7.826	3.986	4.71
38	M94A	Y	-7.826	-4.397	4.71	5.435
39	M7	Y	-11.844	-16.166	6.229	7.475
40	M7	Y	-16.166	-14.951	7.475	8.721
41	M7	Y	-14.951	-10.431	8.721	9.967
42	M7	Y	-10.431	-4.752	9.967	11.213
43	M7	Y	-4.752	-.216	11.213	12.458
44	M51	Y	-.269	-7.159	0	1.495
45	M51	Y	-7.159	-10.728	1.495	2.99
46	M51	Y	-10.728	-15.828	2.99	4.485
47	M51	Y	-15.828	-10.912	4.485	5.98
48	M51	Y	-10.912	-.269	5.98	7.475

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	M7	Y	-.539	-14.334	0	1.495
2	M7	Y	-14.334	-21.483	1.495	2.99
3	M7	Y	-21.483	-31.681	2.99	4.485
4	M7	Y	-31.681	-21.838	4.485	5.98
5	M7	Y	-21.838	-.539	5.98	7.475

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
6	M53	Y	-23.655	-32.341	6.229	7.475
7	M53	Y	-32.341	-29.866	7.475	8.721
8	M53	Y	-29.866	-20.808	8.721	9.967
9	M53	Y	-20.808	-9.501	9.967	11.213
10	M53	Y	-9.501	-.434	11.213	12.458
11	M51	Y	-23.655	-32.341	6.229	7.475
12	M51	Y	-32.341	-29.866	7.475	8.721
13	M51	Y	-29.866	-20.808	8.721	9.967
14	M51	Y	-20.808	-9.501	9.967	11.213
15	M51	Y	-9.501	-.434	11.213	12.458
16	M53	Y	-.539	-14.334	0	1.495
17	M53	Y	-14.334	-21.483	1.495	2.99
18	M53	Y	-21.483	-31.681	2.99	4.485
19	M53	Y	-31.681	-21.838	4.485	5.98
20	M53	Y	-21.838	-.539	5.98	7.475
21	M86A	Y	-2.313	-12.638	0	.725
22	M86A	Y	-12.638	-12.918	.725	1.449
23	M86A	Y	-12.918	-3.152	1.449	2.174
24	M90A	Y	-1.323	-12.455	3.261	3.986
25	M90A	Y	-12.455	-15.651	3.986	4.71
26	M90A	Y	-15.651	-8.794	4.71	5.435
27	M86A	Y	-1.323	-12.455	3.261	3.986
28	M86A	Y	-12.455	-15.651	3.986	4.71
29	M86A	Y	-15.651	-8.793	4.71	5.435
30	M94A	Y	-2.313	-12.638	0	.725
31	M94A	Y	-12.638	-12.918	.725	1.449
32	M94A	Y	-12.918	-3.152	1.449	2.174
33	M90A	Y	-2.313	-12.638	0	.725
34	M90A	Y	-12.638	-12.918	.725	1.449
35	M90A	Y	-12.918	-3.152	1.449	2.174
36	M94A	Y	-1.323	-12.455	3.261	3.986
37	M94A	Y	-12.455	-15.651	3.986	4.71
38	M94A	Y	-15.651	-8.793	4.71	5.435
39	M7	Y	-23.688	-32.333	6.229	7.475
40	M7	Y	-32.333	-29.903	7.475	8.721
41	M7	Y	-29.903	-20.863	8.721	9.967
42	M7	Y	-20.863	-9.504	9.967	11.213
43	M7	Y	-9.504	-.432	11.213	12.458
44	M51	Y	-.539	-14.317	0	1.495
45	M51	Y	-14.317	-21.455	1.495	2.99
46	M51	Y	-21.455	-31.655	2.99	4.485
47	M51	Y	-31.655	-21.824	4.485	5.98
48	M51	Y	-21.824	-.539	5.98	7.475

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N168A	N169	N134	N135	Y	A-B	-.009
2	N161	N162	N142	N135A	Y	A-B	-.009
3	N217	N214A	N161	N169	Y	A-B	-.009
4	N222	N213A	N162	N175A	Y	A-B	-.009
5	N221	N218	N168A	N176A	Y	A-B	-.009
6	N176A	N175A	N143	N134A	Y	A-B	-.009

Member Area Loads (BLC 40 : Structure Di)

Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N168A	N169	N134	N135	Y	A-B	-.018
2	N161	N162	N142	N135A	Y	A-B	-.018
3	N214A	N217	N169	N161	Y	A-B	-.018
4	N213A	N222	N175A	N162	Y	A-B	-.018
5	N221	N218	N168A	N176A	Y	A-B	-.018
6	N176A	N175A	N143	N134A	Y	A-B	-.018

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	N12	max	4678.932	10	821.157	19	4500.114	1	.792	7	3.508	4	1.655	4
2		min	-4658.194	4	-431.337	1	-3952.391	7	-.518	1	-3.485	10	-1.603	10
3	N201B	max	4043.749	10	1064.559	15	4040.907	12	1.536	12	3.544	12	.758	6
4		min	-3603.192	4	-395.804	9	-4328.082	6	-1.635	6	-3.52	6	-1.087	12
5	N204	max	3449.785	10	830.798	23	3863.371	2	1.304	2	3.457	8	.965	1
6		min	-3910.981	4	-426.626	5	-4108.915	8	-1.488	8	-3.437	2	-.734	7
7	N218A	max	66.747	10	3915.652	13	1249.067	7	0	51	0	10	0	4
8		min	-66.771	4	-887.156	7	-5420.499	13	0	1	0	4	0	10
9	N220	max	1112.127	3	3858.447	21	2669.626	21	0	12	0	42	0	42
10		min	-4624.077	21	-911.938	3	-642.061	3	0	42	0	12	0	12
11	N222A	max	4619.694	17	3854.953	17	2667.304	17	0	2	0	2	0	2
12		min	-1090.755	11	-894.523	11	-629.756	11	0	32	0	32	0	32
13	Totals:	max	8267.425	10	11968.926	16	8299.364	1						
14		min	-8267.427	4	3651.143	10	-8299.362	7						

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear C...	Lo...	Dir	LC	phi*Pn...	phi*...	phi*...	phi*...	...	Eqn
1	M5	HSS4X4X4	.227	6.25	4	.243	6.25	z	4	118476...	1395...	16.181	16.181	...	H1-...
2	M7	L6X3.5X4	.363	11.55	5	.775	6....	z	1	14114....	7494...	1.822	5.282	...	H2-1
3	M29	PIPE_2.5	.259	6.25	7	.121	2....		6	14558....	50715	3.596	3.596	...	H1-...
4	M80	PL1/2X7	.675	.621	24	.226	0	y	24	64713....	1134...	1.181	16.538	...	H1-...
5	M81	PL1/2X7	.654	.621	20	.218	1....	y	22	64713....	1134...	1.181	16.538	...	H1-...
6	M82	PL1/2X7	.654	.621	16	.231	1....	y	28	64713....	1134...	1.181	16.538	...	H1-...
7	M51	L6X3.5X4	.371	11.55	1	.785	6....	z	9	14114....	7494...	1.822	5.311	...	H2-1
8	M53	L6X3.5X4	.371	11.55	9	.783	6....	z	4	14114....	7494...	1.822	5.275	...	H2-1
9	MP1A	PIPE_2.0	.335	4.323	4	.168	.833		2	23808....	32130	1.872	1.872	...	H1-...
10	MP2A	PIPE_2.0	.404	4.323	4	.132	4....		8	23808....	32130	1.872	1.872	...	H1-...
11	MP4A	PIPE_2.0	.412	4.323	10	.129	4....		12	23808....	32130	1.872	1.872	...	H1-...
12	MP5A	PIPE_2.0	.316	4.323	10	.151	.833		12	23808....	32130	1.872	1.872	...	H1-...
13	MP3A	PIPE_2.5	.402	5.979	10	.154	5....		10	33961....	50715	3.596	3.596	...	H1-...
14	MP1C	PIPE_2.0	.338	4.323	12	.171	.833		10	23808....	32130	1.872	1.872	...	H1-...
15	MP2C	PIPE_2.0	.404	4.323	12	.133	4....		4	23808....	32130	1.872	1.872	...	H1-...
16	MP4C	PIPE_2.0	.416	4.323	6	.131	4....		8	23808....	32130	1.872	1.872	...	H1-...
17	MP5C	PIPE_2.0	.320	4.323	6	.152	.833		8	23808....	32130	1.872	1.872	...	H1-...
18	MP3C	PIPE_2.5	.407	5.979	6	.155	5....		6	33961....	50715	3.596	3.596	...	H1-...
19	MP1B	PIPE_2.0	.339	4.323	8	.167	.833		6	23808....	32130	1.872	1.872	...	H1-...
20	MP2B	PIPE_2.0	.408	4.323	8	.132	4....		12	23808....	32130	1.872	1.872	...	H1-...
21	MP4B	PIPE_2.0	.416	4.323	2	.131	4....		4	23808....	32130	1.872	1.872	...	H1-...
22	MP5B	PIPE_2.0	.319	4.323	2	.153	.833		4	23808....	32130	1.872	1.872	...	H1-...
23	MP3B	PIPE_2.5	.408	5.979	2	.157	5....		2	33961....	50715	3.596	3.596	...	H1-...
24	M101	PIPE_2.0	.133	2.5	12	.025	2.5		12	28843....	32130	1.872	1.872	...	H1-...
25	M106A	HSS4X4X4	.231	6.25	12	.262	6.25	z	12	118476...	1395...	16.181	16.181	...	H1-...
26	M107A	HSS4X4X4	.224	6.25	8	.239	6.25	z	8	118476...	1395...	16.181	16.181	...	H1-...
27	M85	PL1/2x4.5	.330	0	11	.016	.417	y	16	68437....	72900	.759	6.834	...	H1-...
28	M86A	L6X3.5X4	.489	2.774	13	.034	2....	z	16	43411....	7494...	2.802	9.718	...	H2-1

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear C...	Lo...	Dir	LC	phi*Pn...	phi*...	phi*...	phi*...	...	Eqn
29	M87	PL1/2x4.5	.300	.475	3	.014	0	y	22	67150....	72900	.759	6.834	...	H1-...
30	M89B	PL1/2x4.5	.328	0	7	.015	.417	y	24	68437....	72900	.759	6.834	...	H1-...
31	M90A	L6X3.5X4	.483	2.774	21	.033	2....	z	24	43411....	7494..	2.802	9.718	...	H2-1
32	M91A	PL1/2x4.5	.296	.475	11	.014	0	y	18	67150....	72900	.759	6.834	...	H1-...
33	M93	PL1/2x4.5	.330	0	3	.016	.417	y	20	68437....	72900	.759	6.834	...	H1-...
34	M94A	L6X3.5X4	.488	2.774	17	.034	2....	z	20	43411....	7494..	2.802	9.718	...	H2-1
35	M95A	PL1/2x4.5	.299	.475	7	.014	0	y	14	67150....	72900	.759	6.834	...	H1-...
36	M89C	SR_0.5	.270	0	9	.078	0		21	5610.8...	6350.4	.052	.052	...	H1-...
37	M90B	SR_0.5	.180	.5	9	.077	0		21	5610.8...	6350.4	.052	.052	...	H1-...
38	M90C	SR_0.5	.180	.5	3	.076	0		15	5610.8...	6350.4	.052	.052	...	H1-...
39	M91B	SR_0.5	.270	0	3	.078	0		15	5610.8...	6350.4	.052	.052	...	H1-...
40	M96	PIPE_1.25	.049	2.25	9	.032	2.25		9	16061....	20250	.824	.824	...	H1-...
41	M99	SR_0.5	.204	0	21	.075	0		21	4806.28	6350.4	.052	.052	...	H1-...
42	M100A	SR_0.5	.207	0	21	.073	0		22	4806.28	6350.4	.052	.052	...	H1-...
43	M103A	PIPE_2.0	.004	1.5	3	.073	2.75		2	28843....	32130	1.872	1.872	...	H1-...
44	M106	SR_0.5	.262	0	15	.102	0		15	4806.28	6350.4	.052	.052	...	H1-...
45	M107	SR_0.5	.268	0	15	.099	0		16	4806.28	6350.4	.052	.052	...	H1-...
46	M112	SR_0.5	.204	0	17	.075	0		17	4806.28	6350.4	.052	.052	...	H1-...
47	M113	SR_0.5	.207	0	17	.073	0		17	4806.28	6350.4	.052	.052	...	H1-...
48	M116	PIPE_2.0	.004	1.5	11	.074	2.75		10	28843....	32130	1.872	1.872	...	H1-...
49	M119	SR_0.5	.265	0	23	.103	0		23	4806.28	6350.4	.052	.052	...	H1-...
50	M120	SR_0.5	.270	0	23	.099	0		24	4806.28	6350.4	.052	.052	...	H1-...
51	M125	SR_0.5	.204	0	13	.075	0		13	4806.28	6350.4	.052	.052	...	H1-...
52	M126	SR_0.5	.206	0	13	.073	0		14	4806.28	6350.4	.052	.052	...	H1-...
53	M129	PIPE_2.0	.004	1.5	7	.072	2.75		6	28843....	32130	1.872	1.872	1	H1-...
54	M132	SR_0.5	.262	0	19	.102	0		19	4806.28	6350.4	.052	.052	...	H1-...
55	M133	SR_0.5	.267	0	19	.098	0		20	4806.28	6350.4	.052	.052	...	H1-...
56	M125A	PIPE_2.5	.261	6.25	3	.123	1....		3	14558....	50715	3.596	3.596	...	H1-...
57	M126A	PIPE_2.5	.261	6.25	11	.123	2....		10	14558....	50715	3.596	3.596	...	H1-...
58	M133A	L3X3X4	.412	1.289	7	.079	0	z	2	44968....	46656	1.688	3.756	...	H2-1
59	M136	LL3x3x3x6	.144	0	13	.004	0	z	4	46342....	70632	6.362	3.751	1	H1-...
60	M137	LL3x3x3x6	.142	0	21	.004	5....	z	12	46342....	70632	6.362	3.751	1	H1-...
61	M138	LL3x3x3x6	.142	0	17	.004	5....	z	8	46342....	70632	6.362	3.751	1	H1-...
62	M137B	L3X3X4	.434	1.289	3	.082	.027	z	10	44968....	46656	1.688	3.756	...	H2-1
63	M138A	L3X3X4	.416	1.289	11	.078	.322	z	6	44968....	46656	1.688	3.756	...	H2-1

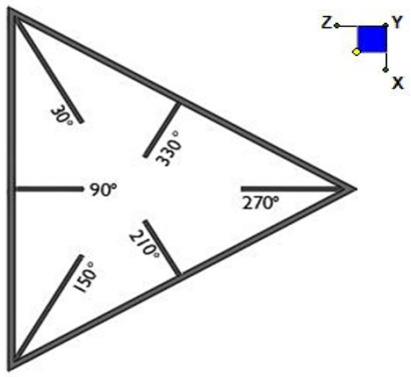
Client:	Verizon Wireless	Date:	6/24/2021
Site Name:	E GRANBY CT		
Project No.	21777185A		
Title:	Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

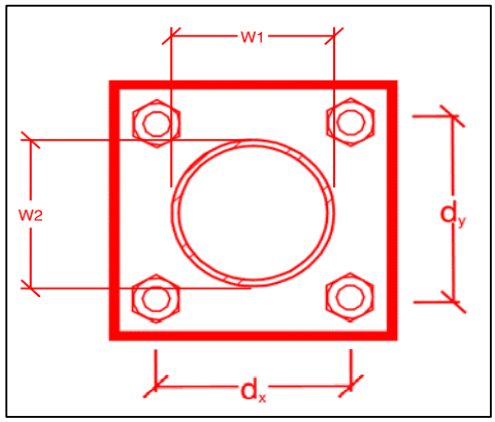
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N15	30
N12	270
N1	150



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:	yes
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	6
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	6
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength (kips):	14.3
Required Shear Strength (kips):	11.3
Tensile Strength / bolt (kips):	20.7
Shear Strength / bolt (kips):	12.4
Tensile Capacity Overall:	**17.2%***
Shear Capacity Overall:	**22.7%**



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

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Rect
Plate Width (in):	8.5
Plate Height (in):	8.5
W1 (in):	4
W2 (in):	4
Fy (ksi, plate):	36
t_{Plate} (in):	0.625
Weld Size (1/16 in):	3
Phi*Rn (kip/in):	4.18
Required Weld Strength (kip/in):	2.18
Plate Bending Capacity:	**27.6%**
Weld Capacity:	**52.2%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)* :	0.3
Phi*Mn_{xx} *(kip-in)* :	26.9
Mu_{yy} *(kip-in)* :	7.1
Phi*Mn_{yy} *(kip-in)* :	26.9

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

Purpose – to provide MASER CONSULTING CONNECTICUT the proper documentation in order to complete the required Mount Desktop review of the Post Modification Inspection Report.

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

Base Requirements:

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

Photo Requirements:

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

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

Material Certification:

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

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

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

Certifying Individual: Company _____

Name _____

Signature _____

Antenna & equipment placement and Geometry Confirmation:

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

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

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

Certifying Individual: Company _____

Name _____

Signature _____

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

Issue:

Contractor shall install proposed OVP on proposed equipment pipe, 18" from top of pipe. Contractor to install safety climb cable guide (Site Pro 1, Part #: 120-123/317 or EOR approved equivalent) in proposed monopole collar. Contractor to provide photos of safety climb guide installation.

Response:

Schedule A – Photo & Document File Structure

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

Structure: 468142-VZW - E GRANBY CT

Sector: **A**

Structure Type: Monopole

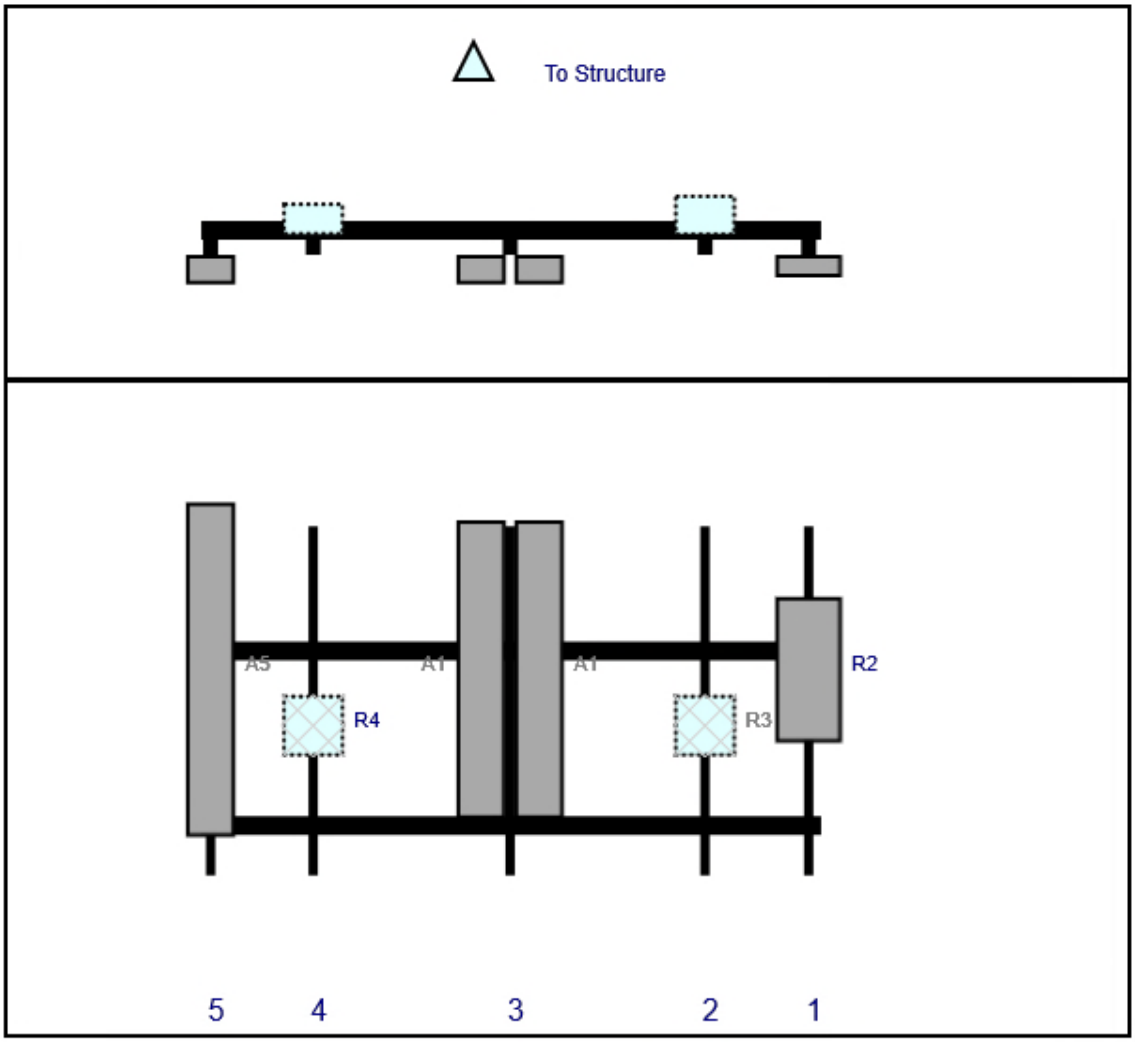
Mount Elev: 76.50

10078044

6/21/2021

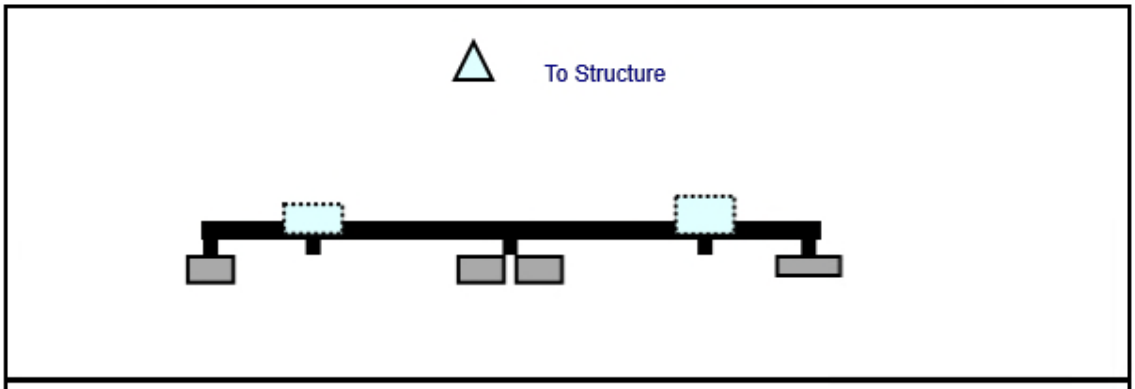
Plan View

Front View
Looking at Structure

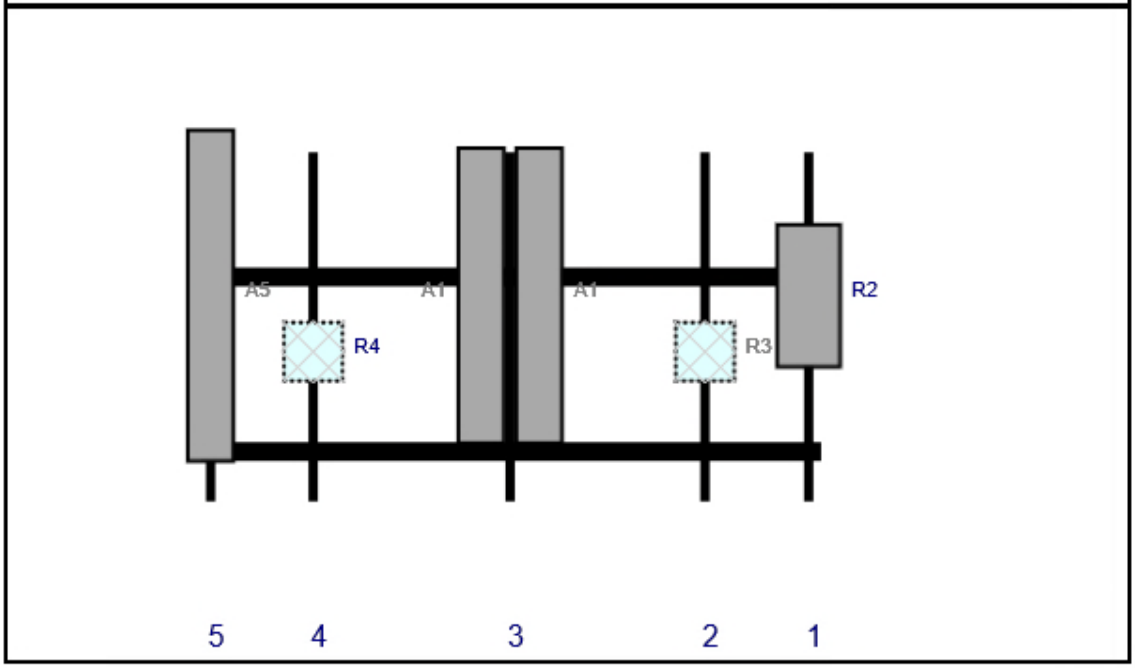


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R2	MT6407-77A	35.1	16.1	146.5	1	a	Front	34.5	0	Added	
R3	B2/B66A RRH-BR049	15	15	121.5	2	a	Behind	48	0	Added	
A1	NHH-65B-R2B	72	11.9	74.5	3	a	Front	34.5	7	Added	
A1	NHH-65B-R2B	72	11.9	74.5	3	b	Front	34.5	-7	Added	
R4	B5/B13 RRH-BR04C	15	15	27	4	a	Behind	48	0	Added	
A5	LNX-6514DS-A1M	80.6	11.9	2.25	5	a	Front	34.5	0	Retained	04/27/2021

Plan View



Front View
Looking at Structure



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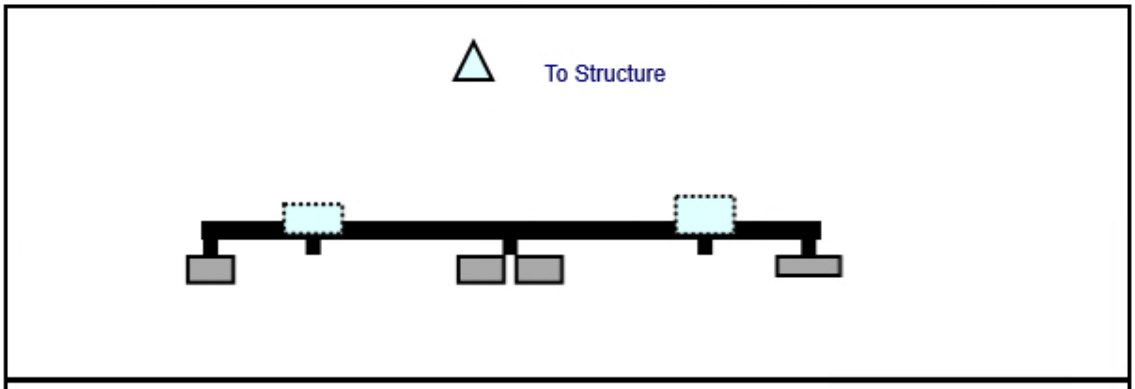
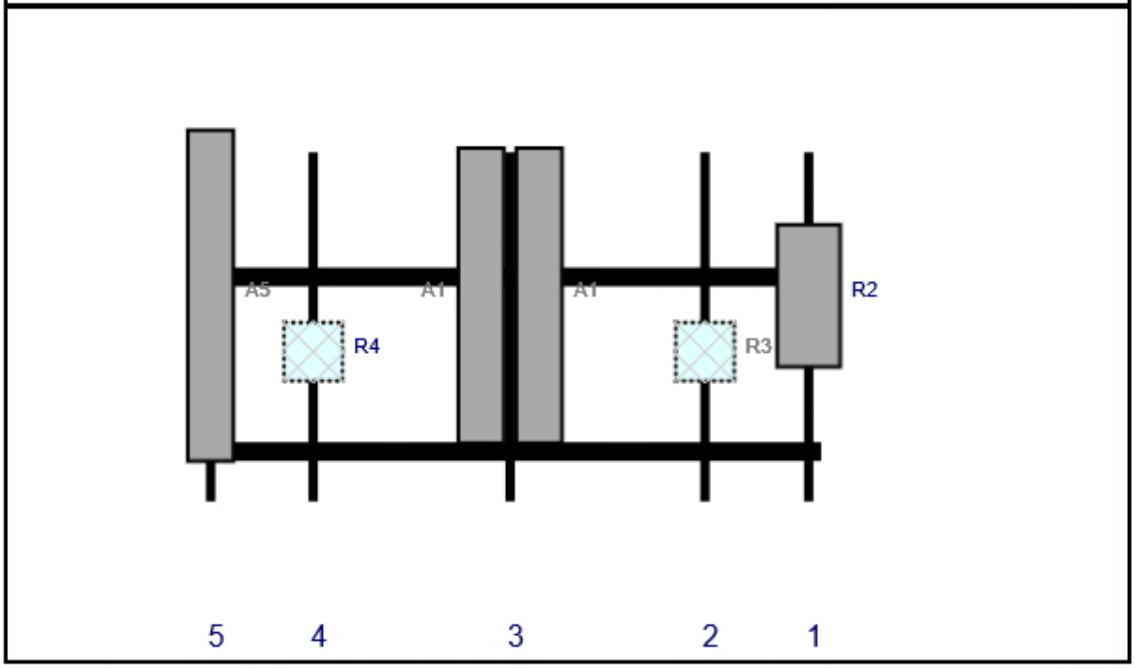
A1	NHH-65B-R2B	72	11.9	74.5	3	b	Front	34.5	-7	Added	
R4	B5/B13 RRH-BR04C	15	15	27	4	a	Behind	48	0	Added	
A5	LNX-6514DS-A1M	80.6	11.9	2.25	5	a	Front	34.5	0	Retained	04/27/2021

Plan View



Front View
Looking at Structure



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R4	B5/B13 RRH-BR04C	15	15	27	4	a	Behind	48	0	Added	
A5	LNX-6514DS-A1M	80.6	11.9	2.25	5	a	Front	34.5	0	Retained	04/27/2021

Maser Consulting Connecticut

Subject	TIA-222-H Usage	
Site Information	Site ID:	468142-VZW / E GRANBY CT
	Site Name:	E GRANBY CT
	Carrier Name:	Verizon Wireless
	Address:	116 Newgate Rd East Granby, Connecticut 06026 Hartford County
	Latitude:	41.963056°
	Longitude:	-72.741111°
Structure Information	Tower Type:	82-Ft Monopole
	Mount Type:	12.50-Ft Platform

To Whom It May Concern,

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

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

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

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

Sincerely,

Derek Hartzell, PE
Technical Specialist

PROJECT NOTES

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

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MOUNT MODIFICATION DRAWINGS
EXISTING 12.5' PLATFORM

SITE NAME: E GRANBY CT
SITE NUMBER: 468142

116 NEWGATE RD
EAST GRANBY, CONNECTICUT 06026
HARTFORD COUNTY

PROJECT INFORMATION

SITE INFORMATION

LATITUDE:	41.963056° N
LONGITUDE:	72.741111° W
JURISDICTION:	HARTFORD COUNTY

APPLICANT/LESSEE

COMPANY:	VERIZON WIRELESS

CLIENT REPRESENTATIVE

COMPANY:	VERIZON WIRELESS
ADDRESS:	118 FLANDERS ROAD, THIRD FLOOR
CITY, STATE, ZIP:	WESTBOROUGH, MA 01581
CONTACT:	ANDREW CANDIELLO
EMAIL:	ANDREW.CANDIELLO@VERIZONWIRELESS.COM

PROJECT MANAGER

COMPANY:	MASER CONSULTING
CONTACT:	PETER ALBANO
PHONE:	856-797-0412
E-MAIL:	PETER.ALBANO@COLLIERSENGINEERING.COM

SHEET INDEX

SHEET	DESCRIPTION
T-1	TITLE SHEET
S-1	BILL OF MATERIALS
S-2	MODIFICATION NOTES
S-3	MODIFICATION NOTES
S-4	MODIFICATION DETAILS
S-5	MODIFICATION DETAILS
S-6	MODIFICATION DETAILS
S-7	MOUNT PHOTOS
	SPECIFICATION SHEETS

CONTRACTOR PMI REQUIREMENTS

PMI LOCATION:	HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #:	10078044
VZW LOCATION CODE (PSLC):	468142
FUZE ID:	16272341

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

REFERENCED DOCUMENTS

FAILING MOUNT ANALYSIS REPORT

SMART TOOL PROJECT #:	10041810
MASER CONSULTING PROJECT #:	21777185A
ANALYSIS DATE:	6/9/2021

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

SCALE:	JOB NUMBER:
AS SHOWN	21777185A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	6/24/2021	ISSUED FOR CONSTRUCTION	JRF	DL

Derek R. Hartzell
CONNECTICUT LICENSED PROFESSIONAL ENGINEER
LICENSE NUMBER: 32710
MASER CONSULTING P.A.
CT C.O.A. No. PEC.0013
Digitally signed by Derek R. Hartzell
Date: 2021.06.24 09:24:45-04'00'

SITE NAME:

E GRANBY CT
468142

116 NEWGATE RD
EAST GRANBY, CT 06026
HARTFORD COUNTY

MASER CONSULTING P.A.
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE: TITLE SHEET

SHEET NUMBER: T-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

BILL OF MATERIALS

VZWSMART KITS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES
1	VZWSMART	VZWSMART-PLK1	SUPPORT RAIL KIT	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2
1		VZWSMART-PLK7	MONOPOLE COLLAR MOUNT ASSEMBLY	
1		VZWSMART-PLK5	KICKER KIT	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2
3		VZWSMART-MSK1	CROSSOVER PLATE	

OTHER REQUIRED PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES
3	-	-	84" LONG, P2.5 STD. PIPE	GALVANIZED
1	-	-	36" LONG, P2.0 STD. PIPE	GALVANIZED
1	SITE PRO 1	SQCX4-K	CROSSOVER PLATE	OR EOR APPROVED EQUAL, CONTACT MASER CONSULTING FOR APPROVAL OF SUBSTITUTION.
-	-	-	1/2" DIA. U-BOLTS	GALVANIZED

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

VZWSMART KITS - APPROVED VENDORS

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

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

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SCALE: AS SHOWN
JOB NUMBER: 21777185A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	6/24/2021	ISSUED FOR CONSTRUCTION	JRF	DL

Derek Hartzell
LICENSE NUMBER 32710
MASER CONSULTING
Digitally signed by Derek R. Hartzell
Date: 2021.06.24 09:24:53-04'00'

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

SITE NAME:
E GRANBY CT
468142
116 NEWGATE RD
EAST GRANBY, CT 06026
HARTFORD COUNTY

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

SHEET TITLE: BILL OF MATERIALS

SHEET NUMBER: S-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

GENERAL NOTES

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

DESIGN LOADS

WIND LOADS

a. BASIC WIND SPEED (3 SECOND GUST), V = 115 MPH

b. EXPOSURE CATEGORY B

c. TOPOGRAPHIC CATEGORY 4

d. MEAN BASE ELEVATION (AMSL) = 651.07'

ICE LOADS

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

b. ICE THICKNESS = 1.50 IN

SEISMIC LOADS

a. SEISMIC DESIGN CATEGORY B

b. SHORT TERM MCER GROUND MOTION, S_S = .171

c. LONG TERM MCER GROUND MOTION, S_1 = .054

STRUCTURAL STEEL

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

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

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

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Derek Hartzell
LICENSE NUMBER 32710
MASER CONSULTING
Digitally signed by Derek R. Hartzell
Date: 2021.06.24 09:24:53-04'00'

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Fax: 856.722.1120

SHEET TITLE:
MODIFICATION NOTES

SHEET NUMBER:
S-2

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

MODIFICATION INSPECTION NOTES

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

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

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

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

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

MI INSPECTOR

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

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

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

GENERAL CONTRACTOR

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

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

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

RECOMMENDATIONS

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

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

CORRECTION OF FAILING MI'S

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

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

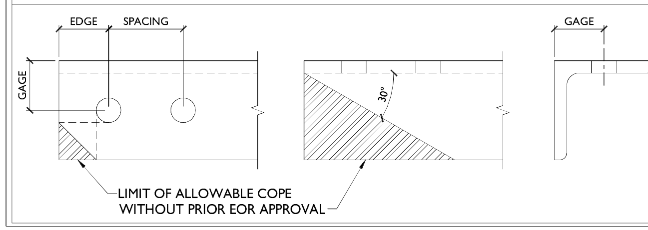
REQUIRED PHOTOS

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

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

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

ALLOWABLE COPING

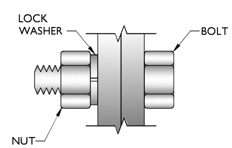


BOLT SCHEDULE (IN.)

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

WORKABLE GAGES (IN.)

LEG	GAGE
4	2 1/2
3 1/2	2
3	1 3/4
2 1/2	1 3/8
2	1 1/8



TYP. BOLT ASSEMBLY

NOTES:

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

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Derek Hartzell
CONNECTICUT LICENSED PROFESSIONAL ENGINEER
LICENSE NUMBER: 32710
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C.T. C.O.A.: PEC.0000013

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SHEET TITLE: MODIFICATION NOTES

SHEET NUMBER: S-3

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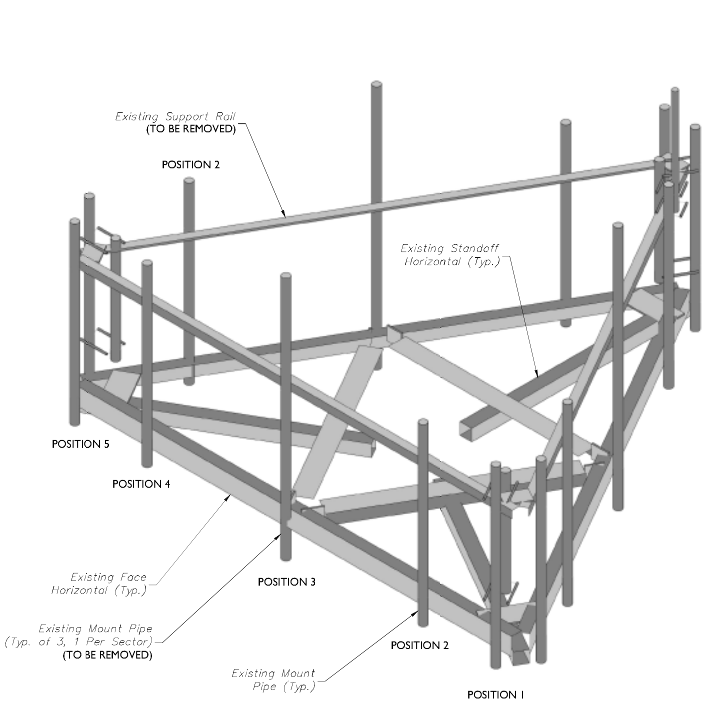
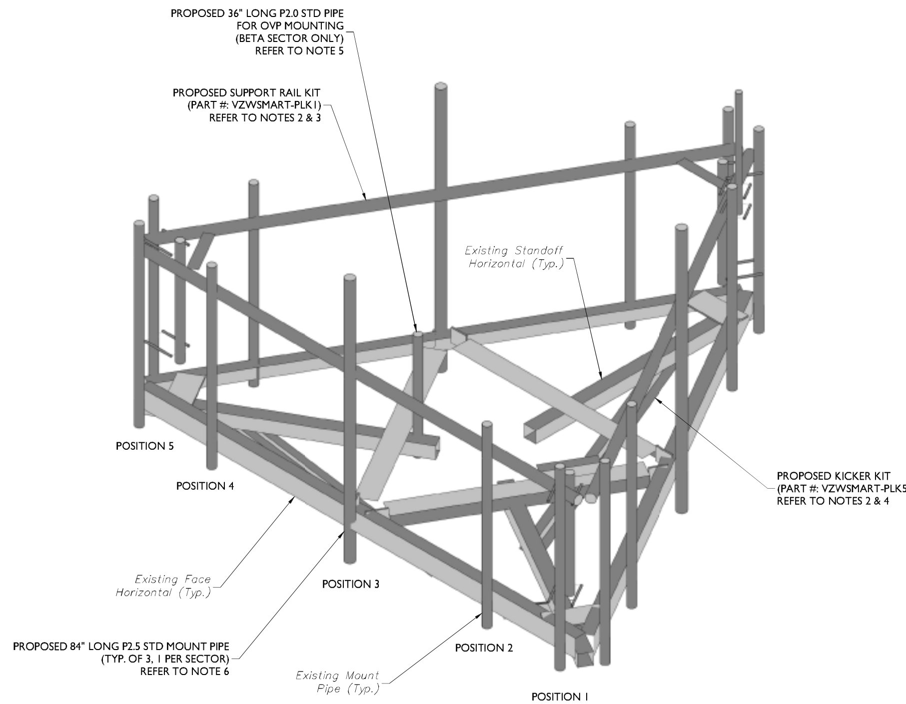


1 EXISTING PLATFORM ISOMETRIC VIEW
SCALE : N.T.S.



2 PROPOSED PLATFORM ISOMETRIC VIEW
SCALE : N.T.S.

STRUCTURAL NOTES:

1. PER THE MOUNT MAPPING COMPLETED BY NORTH EAST TOWERS ON 4/27/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (76'-6") ARE IN GOOD CONDITION. MASER DOES NOT WARRANT THIS INFORMATION.

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

MODIFICATION NOTES:

1. MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.

2. CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2.

3. RADIO AND/OR TME POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE.

4. CONNECT OTHER END OF KICKER KIT TO MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7).

5. CONNECT NEW OVP PIPE TO EXISTING STANDOFF HORIZONTAL WITH CROSSOVER PLATES (PART #: SITE PRO 1 - SQCX4-K, OR EOR APPROVED EQUAL).

6. CONNECT NEW MOUNT PIPE TO EXISTING FACE HORIZONTAL USING (2) 1/2" DIA. U-BOLTS. CONTRACTOR TO DRILL HOLES ON EXISTING FACE HORIZONTAL AS NECESSARY.

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S-4

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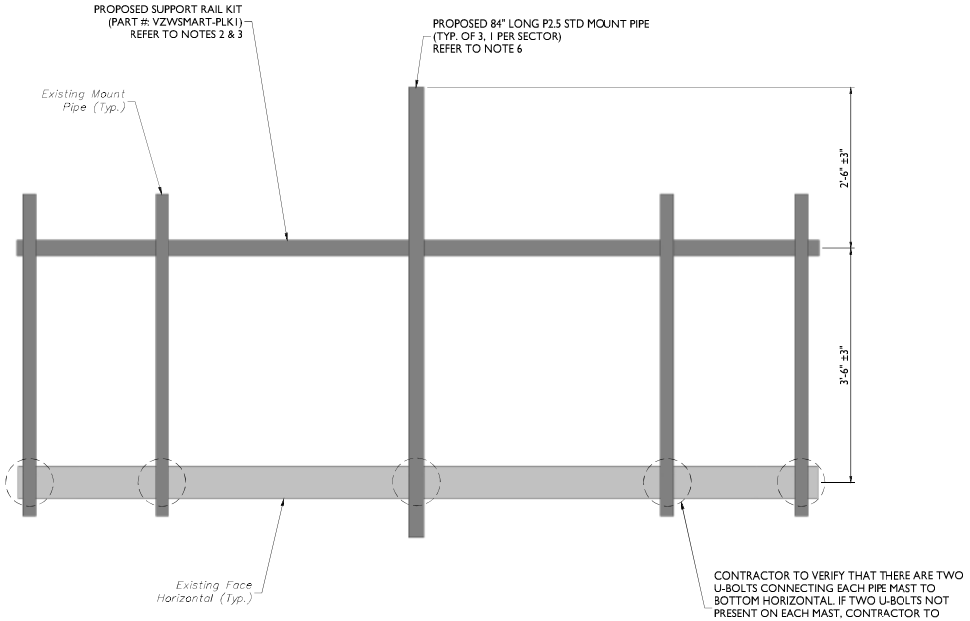

1 PROPOSED FRONT ELEVATION VIEW (TYP. EACH SECTOR)

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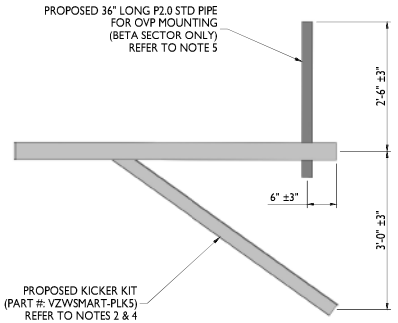

2 PROPOSED SIDE ELEVATION VIEW (TYP. EACH SECTOR)

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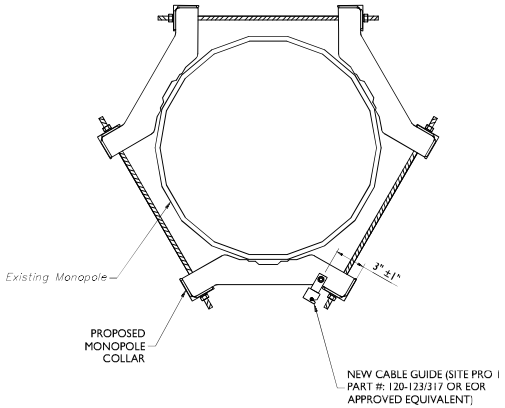

3 PROPOSED SAFETY CLIMB DETAIL

SCALE : N.T.S.

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4. CONNECT OTHER END OF KICKER KIT TO MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7).
5. CONNECT NEW OVP PIPE TO EXISTING STANDOFF HORIZONTAL WITH CROSSOVER PLATES (PART #: SITE PRO 1 - SQCX4-K, OR EOR APPROVED EQUAL).
6. CONNECT NEW MOUNT PIPE TO EXISTING FACE HORIZONTAL USING (2) 1/2" DIA. U-BOLTS. CONTRACTOR TO DRILL HOLES ON EXISTING FACE HORIZONTAL AS NECESSARY.

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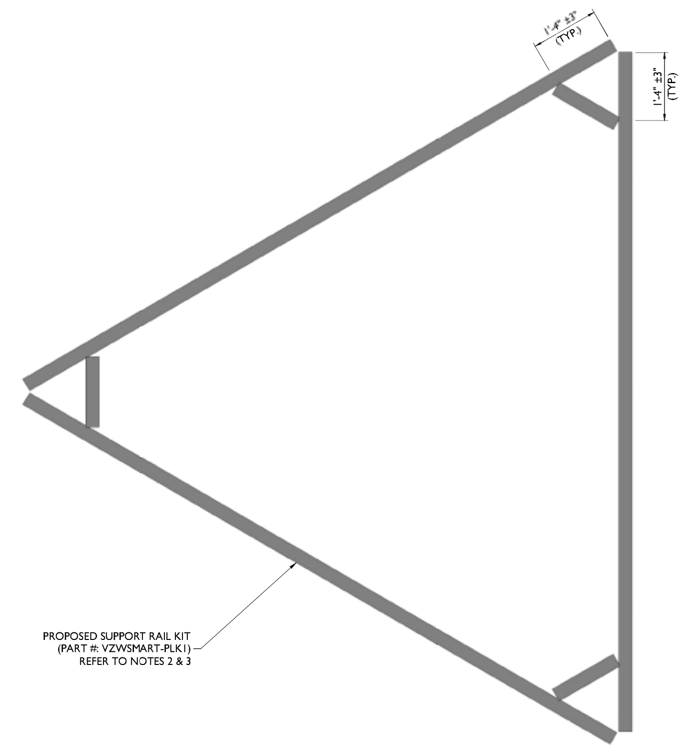

1 PROPOSED FRAME PLAN VIEW

SCALE : N.T.S.

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SHEET TITLE: MODIFICATION DETAILS

SHEET NUMBER: S-6

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MOUNT PHOTO 1

MOUNT PHOTO 2

MOUNT PHOTO 3

MOUNT PHOTO 4

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MASER CONSULTING
CT C.O.A. #: 0000131
Digitally signed by Derek R. Hartzell
Date: 2021.06.24 09:24:57-04'00'

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

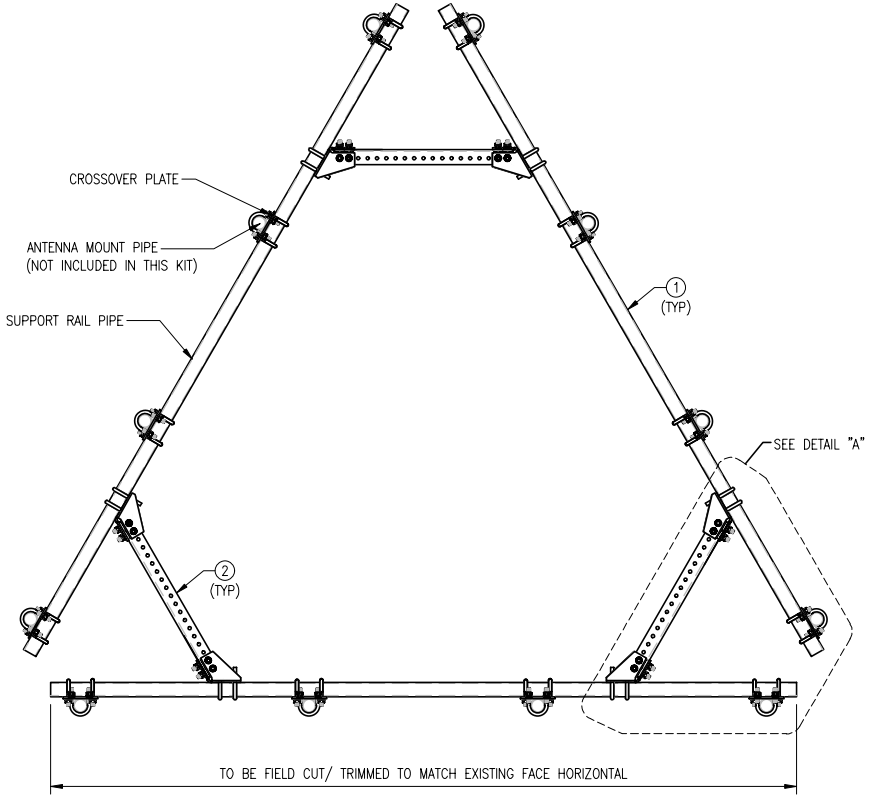
SITE NAME:
E GRANBY CT
468142
116 NEWGATE RD
EAST GRANBY, CT 06026
HARTFORD COUNTY

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

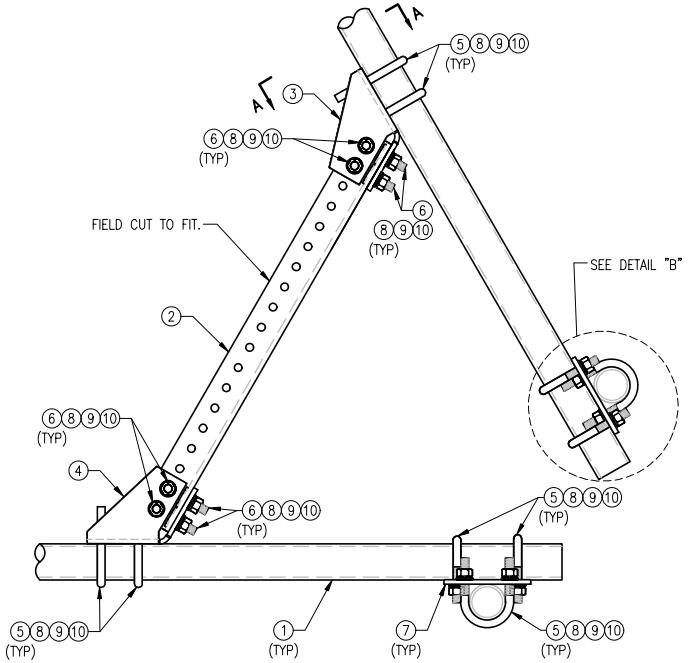
SHEET TITLE:
MOUNT PHOTOS

SHEET NUMBER:
S-7

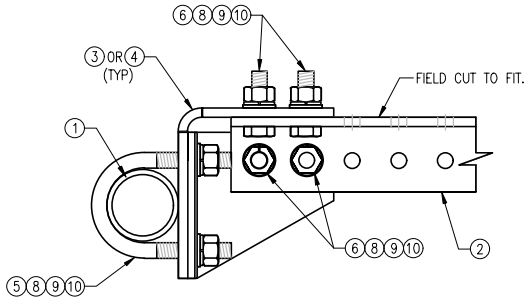
NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



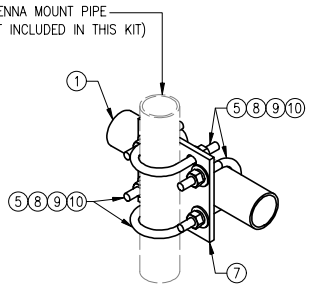
PLAN VIEW



DETAIL "A"



SECTION "A-A"



DETAIL "B"

NOTES:
1. HOT-DIPPED GALVANIZED PER ASTM A123.

VZW SMART-PLK1 (SUPPORT RAIL KIT)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	PST2875-12.5	2.5" PST (2.875" O.D. X 0.203" THK.) X 12'-6" A53 GR-B	PLK1-F1	292
2	3	L33375-3	L 3" X 3" X 3/8" X 3'-0" A36	PLK1-F1	66
3	3	CBP-L	CORNER BENT PLATE BRACKET	PLK1-F2	28
4	3	CBP-R	CORNER BENT PLATE BRACKET	PLK1-F2	28
5	60	MS02-625-300-500	RU-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC-1	82
6	24	---	BOLT 5/8" X 2" A325	---	9
7	12	PL375-857	PL 3/8" X 8 1/2" X 7'-0" A36	PLK1-F3	77
8	144	FW-625	5/8" HDG USS FLAT WASHER	---	12
9	144	LW-625	5/8" HDG LOCK WASHER	---	3
10	144	NUT-625	5/8" HDG HEX NUT	---	17
				GALVANIZED WT	504

VzW SMART Tool© Vendor

verizon

DRAWN BY: H.R	CHECKED BY: HMA

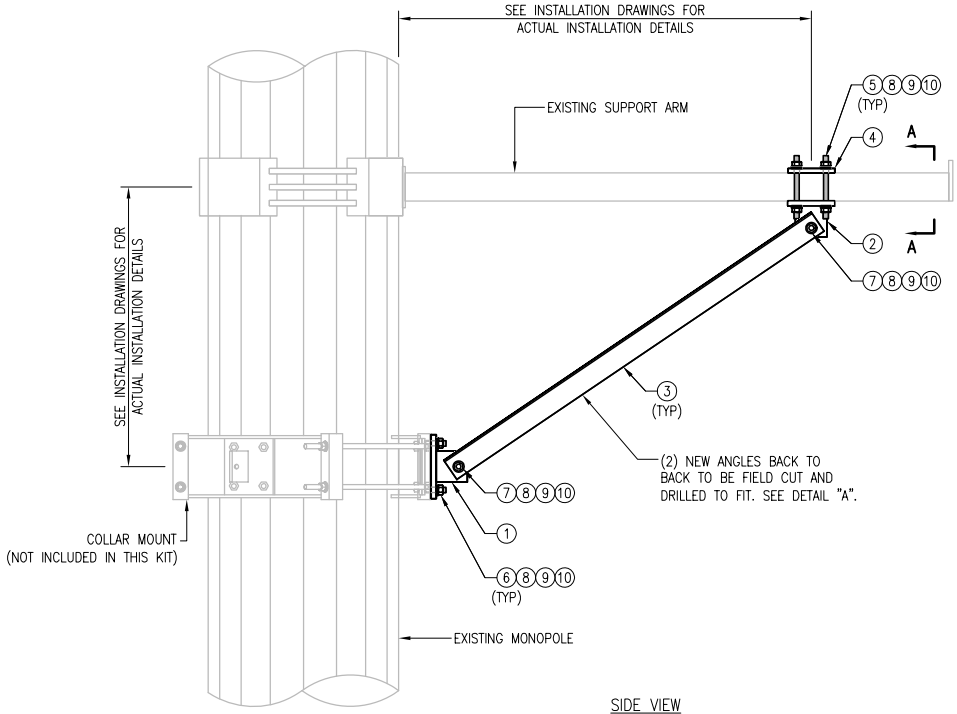
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	H.R	05/08/20

SHEET TITLE:

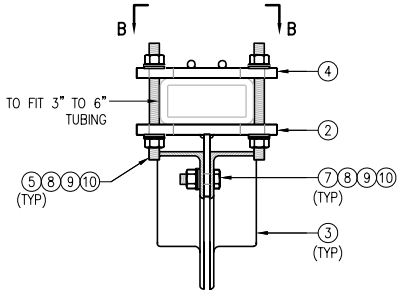
VZWSMART-PLK1
SUPPORT RAIL KIT

SHEET NUMBER:	REV #:
VZWSMART-PLK1	0

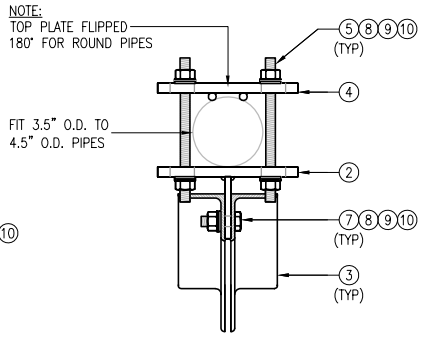
NOTE:
THE LOCATION OF KICKER AND EXISTING ANTENNA MOUNT SHOWN ON THE DRAWING IS FOR REPRESENTATION PURPOSE ONLY. SEE INSTALLATION DRAWINGS FOR ACTUAL INSTALLATION OF DETAILS.



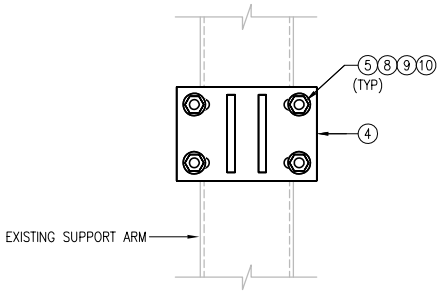
SIDE VIEW
KICKER KIT



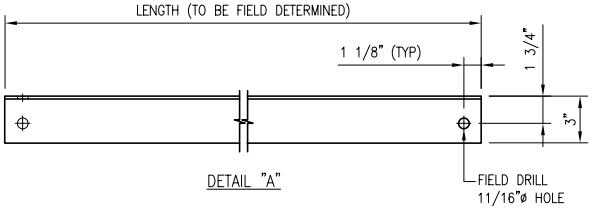
SECTION "A-A"
RECT. HSS MOUNTING



SECTION "A-A"
ROUND PIPE MOUNTING



SECTION "B-B"



DETAIL "A"

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

VZWSMART-PLK5 (KICKER KIT)

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

VzW
SMART Tool©
Vendor

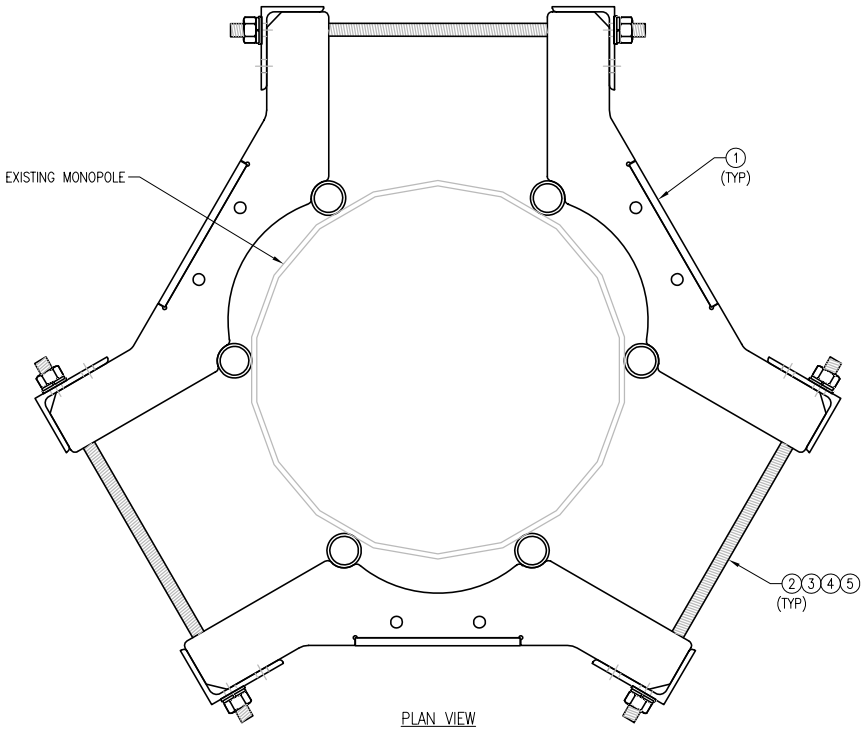
verizon

DRAWN BY: MN | CHECKED BY: HMA/KW

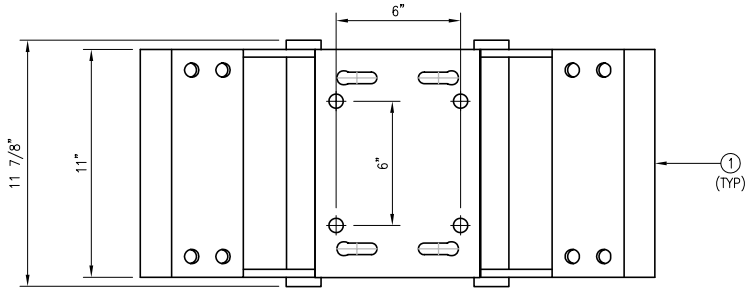
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	MN	05/08/20

SHEET TITLE:
VZWSMART-PLK5
KICKER KIT

SHEET NUMBER: VZWSMART-PLK5
REV #: 0



PLAN VIEW
MONOPOLE COLLAR MOUNT ASSEMBLY



FRONT VIEW

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

VZWSMART-PLK7 (MONOPOLE COLLAR MOUNT ASSEMBLY)

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

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DRAWN BY: BT | CHECKED BY: HMA/KW

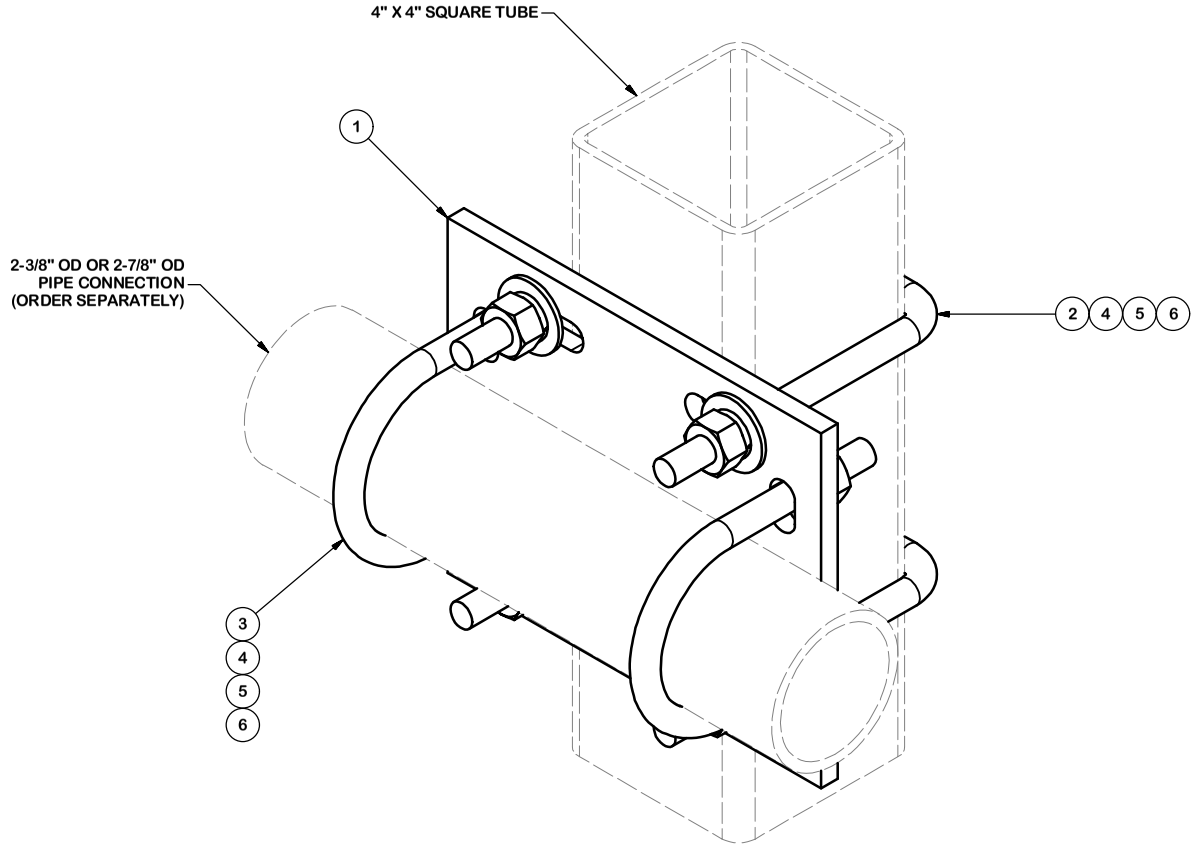
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	BT	05/11/20

SHEET TITLE:
VZWSMART-PLK7
MONOPOLE COLLAR
MOUNT ASSEMBLY

SHEET NUMBER: VZWSMART-PLK7

REV #: 0

PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	1	SCX4	CROSSOVER PLATE	8 1/2 in	6.02	6.02
2	2	X-SUB1418	SQUARE U-BOLT 0.5" DIA. X 4.125" IW X 6" IL X 3" TR		0.98	1.95
3	2	X-UB1212	1/2" X 2-1/2" X 4-1/2" X 2" U-BOLT (HDG.)		0.60	1.19
3	2	X-UB1300	1/2" X 3" X 5" X 2" U-BOLT (HDG.)		0.67	1.34
4	8	G12FW	1/2" HDG USS FLATWASHER	3/32 in	0.03	0.27
5	8	G12LW	1/2" HDG LOCKWASHER	1/8 in	0.01	0.11
6	8	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	0.57
					TOTAL WT. #	11.35



TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
SAWED, SHEARED AND GAS CUT EDGES (± 0.030")
DRILLED AND GAS CUT HOLES (± 0.030") - NO CONING OF HOLES
LASER CUT EDGES AND HOLES (± 0.010") - NO CONING OF HOLES
BENDS ARE ± 1/2 DEGREE
ALL OTHER MACHINING (± 0.030")
ALL OTHER ASSEMBLY (± 0.060")

DESCRIPTION
CROSSOVER PLATE KIT
W/ SQUARE U-BOLTS AND STD. U-BOLTS

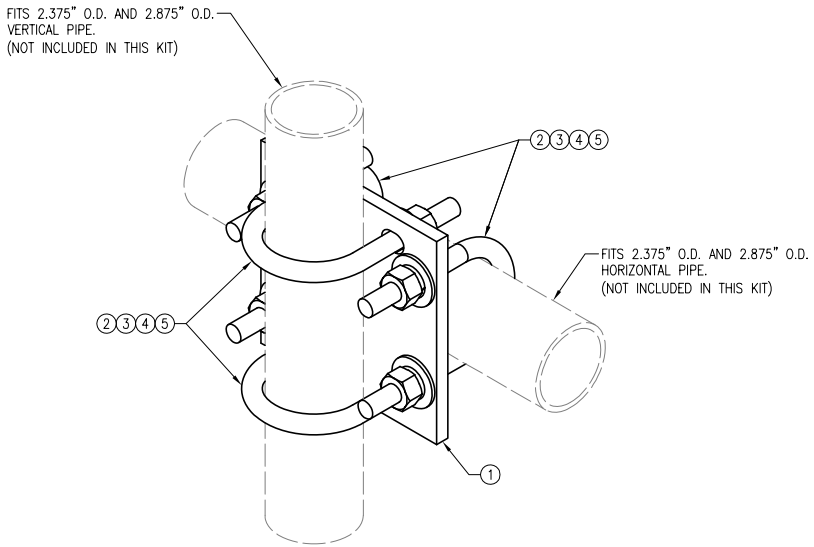
SITE PRO 1
A valmont COMPANY

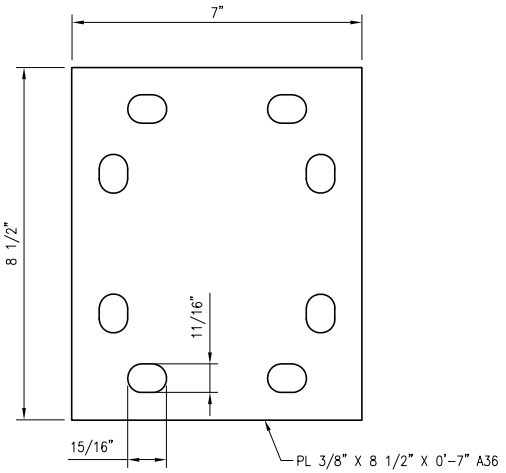
Engineering Support Team:
1-888-753-7446

Locations:
New York, NY
Atlanta, GA
Los Angeles, CA
Plymouth, IN
Salem, OR
Dallas, TX

CPD NO.	DRAWN BY	ENG. APPROVAL	PART NO.	PAGE
	CSL 9/18/2018	3RD PARTY	SQCX4-K	1 OF 1

CLASS	SUB	DRAWING USAGE	CHECKED BY	DWG. NO.
87	02	CUSTOMER	BMC 11/12/2018	SQCX4-K





PL375-857

VZWSMART-MSK1 (CROSSOVER PLATE)					
ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	PL375-857	PL 3/8" X 8 1/2" X 0'-7" A36	MSK1-F1	6
2	4	MS02-625-300-500	RU-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC-1	5
3	8	FW-625	5/8" HDG USS FLAT WASHER	---	1
4	8	LW-625	5/8" HDG LOCK WASHER	---	0
5	8	NUT-625	5/8" HDG HEX NUT	---	1
				GALVANIZED WT	14

NOTES:
1. HOT-DIPPED GALVANIZED PER ASTM A123.

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verizon

DRAWN BY: H.R	CHECKED BY: HMA

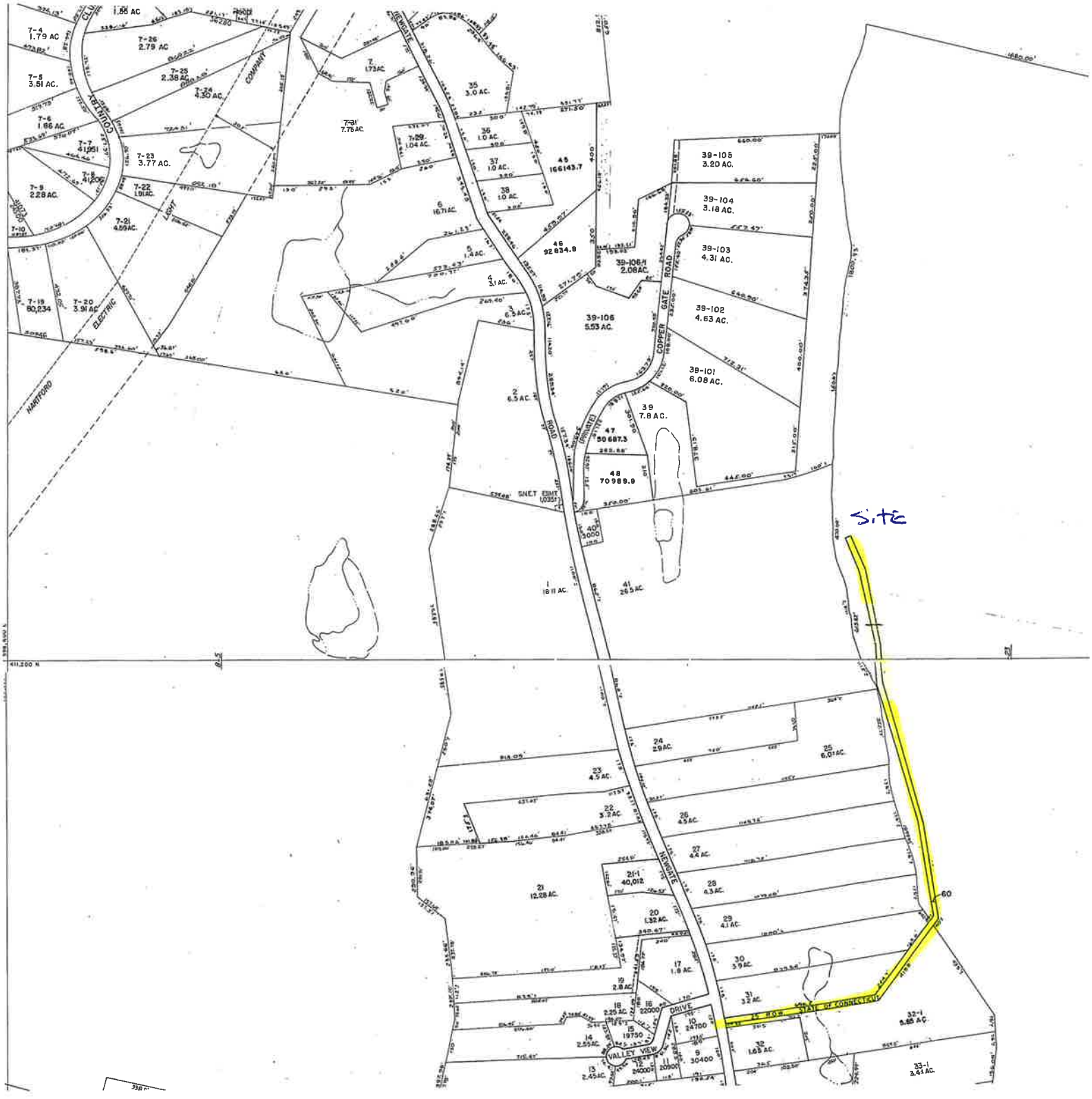
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	H.R	05/08/20

SHEET TITLE:

VZWSMART-MSK1
CROSSOVER PLATE

SHEET NUMBER:	REV #:
VZWSMART-MSK1	0

ATTACHMENT 5


Site
COPPER GATE ROAD
NEWGATE ROAD
HARTFORD
ELECTRIC LIGHT
COMPANY
COUNTRY CLUB
VALLEY VIEW DRIVE
STATE OF CONNECTICUT
7-4 1.79 AC
7-26 2.79 AC
7-5 3.51 AC.
7-25 2.38 AC.
7-24 4.30 AC.
7-6 1.66 AC.
7-7 41,951
7-23 3.77 AC.
7-8 41,206
7-9 2.28 AC.
7-22 1.91 AC.
7-10
7-21 4.59 AC.
7-19 60,234
7-20 3.91 AC.
7-31 7.75 AC.
7-29 1.04 AC.
35 3.0 AC.
36 1.0 AC.
37 1.0 AC.
38 1.0 AC.
45 166143.7
6 16.71 AC.
5 1.4 AC.
4 3.1 AC.
3 6.3 AC.
2 6.5 AC.
1 18.11 AC.
46 92834.8
39-106-A 2.06 AC.
39-106 5.53 AC.
39 7.8 AC.
47 50687.3
48 70989.0
41 26.5 AC.
39-105 3.20 AC.
39-104 3.18 AC.
39-103 4.31 AC.
39-102 4.63 AC.
39-101 6.08 AC.
24 2.9 AC.
25 6.01 AC.
23 4.5 AC.
22 3.2 AC.
26 4.5 AC.
27 4.4 AC.
21 12.28 AC.
21-1 40,012
28 4.3 AC.
20 1.32 AC.
29 4.1 AC.
30 3.9 AC.
17 1.8 AC.
19 2.8 AC.
31 3.2 AC.
18 2.29 AC.
16 22000
15 19750
14 2.55 AC.
10 24700
32 1.65 AC.
9 30400
11 20900
13 2.45 AC.
12 24000
33-1 3.61 AC.
32-1 5.65 AC.
411,200 N

NEWGATE ROAD

Location	NEWGATE ROAD	**Mblu**	8/ 60/ / /
Acct#	107106	**Owner**	CONNECTICUT AIRPORT AUTHORITY
Assessment	$6,600	**Appraisal**	$9,400
PID	2191	**Building Count**	1

Current Value

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2018	$0	$9,400	$9,400
Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2018	$0	$6,600	$6,600

Owner of Record

Owner	CONNECTICUT AIRPORT AUTHORITY	**Sale Price**	$0
Co-Owner		**Certificate**	
Address	BRADLEY INTERNATIONAL AIRPORT ADMIN OFFICE TERMINAL A WINDSOR LOCKS , CT 06096	**Book & Page**	0197/1024
		Sale Date	07/01/2013

Ownership History

Ownership History				
Owner	**Sale Price**	**Certificate**	**Book & Page**	**Sale Date**
CONNECTICUT AIRPORT AUTHORITY	$0		0197/1024	07/01/2013

Building Information

Building 1 : Section 1

Year Built:	
Living Area:	0
Replacement Cost:	$0
Building Percent Good:	
Replacement Cost Less Depreciation:	$0

Building Attributes	
Field	**Description**
Style:	Vacant Land
Model	
Grade:	
Stories:	
Occupancy	
Exterior Wall A	
Exterior Wall B	
Roof Structure:	
Roof Cover	
Interior Wall A	
Interior Wall B	
Interior Flr A	
Interior Flr B	
Heat Fuel	
Heat Type:	
AC Type:	
Total Bedrooms:	
Total Bthrms:	
Total Half Baths:	
Num Xtra Fix	
Total Rooms:	
Bath Style:	
Kitchen Style:	
Num Kitchens	
Fin. Basement	
Fin. Bsmt. Qual.	
Bsmt. Garage	
Fireplaces	
Whirlpools	
Num Park	
Fireplaces 2	
Fin Rsd Bsm	
Fin Rsd B Qual	
Fndtn Cndtn	
Basement	

Building Photo

(http://images.vgsi.com/photos/EastGranbyCTPhotos//default.jpg)

Building Layout

(ParcelSketch.ashx?pid=2191&bid=2191)

Building Sub-Areas (sq ft)	Legend
No Data for Building Sub-Areas	

Extra Features

Extra Features	Legend

No Data for Extra Features

Land

Land Use

Use Code	956
Description	CAA AIRPORT VAC
Zone	PRD
Neighborhood	110
Alt Land Appr	No
Category	

Land Line Valuation

Size (Acres)	1.7
Frontage	0
Depth	0
Assessed Value	$6,600
Appraised Value	$9,400

Outbuildings

Outbuildings	Legend
No Data for Outbuildings	

Valuation History

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2017	$0	$8,500	$8,500
2012	$0	$3,300	$3,300
2007	$0	$2,900	$2,900

Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2017	$0	$6,000	$6,000
2012	$0	$2,300	$2,300
2007	$0	$2,000	$2,000

ATTACHMENT 6

UNITED STATES POSTAL SERVICE®

EAST GRANBY

Certificate of Mailing — Firm

Name and Adcress of Sender	TOTAL NO. of Pieces Listed by Sender	TOTAL NO. of Pieces Received at Post Office™	Affix Stamp Here *Postmark with Date of Receipt.*
Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103		3	neopost 03/14/2022 US POSTAGE $002.99 ZIP 06103 041L12203937
	Postmaster, per *(name of receiving employee)*		

USPS® Tracking Number / Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	Eden Wimpfheimer, First Selectwoman Town of East Granby 9 Center Street East Granby, CT 06026				
2.	Gary Haynes, Director of Community Development Town of East Granby 9 Center Street East Granby, CT 06026				
3.	Connecticut Airport Authority Attn: Paul Lavallee 34 Ella Grasso Turnpike Windsor Locks, CT 06096				
4.					
5.					
6.					

USPS MAR 14 2022 OLD STATE HOUSE STATION 06103