Robinson+Cole

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Also admitted in Massachusetts
and New York

August 27, 2021

Via Electronic Mail

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

Re: **Notice of Exempt Modification – Facility Modification**
3345 Winsted Road (a/k/a 350 or 404 Burr Mountain Road), Torrington, Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains an existing wireless telecommunications facility at the above-referenced property address (the "Property"). The facility consists of antennas and remote radio heads attached to a tower and related equipment on the ground, near the base of the tower. The tower and Cellco's use of the tower were approved by the Siting Council ("Council") in April 2004 (Docket No. 277). A copy of the Council's Docket No. 277 Decision and Order is included in Attachment 1.

Cellco now intends to modify its facility by replacing nine (9) existing antennas with three (3) Samsung MT6407-77A antennas and six (6) JAHH-65C-R3B-V2 antennas on its existing mounting platform. Cellco also intends to replace three (3) existing remote radio heads ("RRHs") with six (6) new RRHs behind its antennas. A set of project plans showing Cellco's proposed facility modifications and new antennas and RRH specifications are included in Attachment 2.

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

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

1. The proposed modifications will not result in an increase in the height of the existing tower.

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

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

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

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

6. According to the attached Structural Analysis ("SA") and Mount Analysis ("MA"), the existing tower, tower foundation and 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:

Elinor Carbone, Mayor for the City of Torrington
Martin Connor, Torrington City Planner
O&G Industries, Property Owner
Alex Tyurin

ATTACHMENT 1

DOCKET NO. 277 – Sprint Spectrum, L.P. application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a telecommunications facility in Torrington, Connecticut.	} } }	Connecticut Siting Council April 26, 2004

Decision and Order

Pursuant to the foregoing Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, operation, and maintenance of a telecommunications facility including effects on the natural environment; ecological integrity and balance; public health and safety; scenic, historic, and recreational values; forests and parks; air and water purity; and fish and wildlife are not disproportionate either alone or cumulatively with other effects when compared to need, are not in conflict with the policies of the State concerning such effects, and are not sufficient reason to deny the application and therefore directs that a Certificate of Environmental Compatibility and Public Need, as provided by General Statutes **§** 16-50k, be issued to Sprint Spectrum, L.P. d/b/a Sprint PCS for the construction, maintenance and operation of a wireless telecommunications facility at Candidate A, located off Burr Mountain Road, Torrington, Connecticut. The Council denies certification of Candidate B located at Jordan Lane and Laurelton Drive, Torrington, Connecticut.

The facility shall be constructed, operated, and maintained substantially as specified in the Council's record in this matter, and subject to the following conditions:

1. The tower shall be constructed no taller than necessary to provide the proposed telecommunications services, sufficient to accommodate the antennas of Sprint and other entities, both public and private, but such tower, including all appurtenances attached thereto, shall not exceed a height of 198 feet above ground level and shall be designed with a yield point to reduce the area of the setback radius so that it shall be contained within the property of O&G Industries.
2. The Certificate Holder shall prepare a Development and Management (D&M) Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be submitted to and approved by the Council prior to the commencement of facility construction and shall include:

a. a final site plan(s) of site development to include specifications for the tower, tower foundation, antennas, equipment building, access road, utility line, and landscaping; and

b. construction plans for site clearing, water drainage, and erosion and sedimentation control consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as amended.

3. The Certificate Holder shall, prior to the commencement of operation, provide the Council worst-case modeling of electromagnetic radio frequency power density of all proposed entities' antennas at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin No. 65, August 1997. The Certificate Holder shall ensure a recalculated report of electromagnetic radio frequency power density is submitted to the Council if and when circumstances in operation cause a change in power density above the levels calculated and provided pursuant to this Decision and Order.
4. Upon the establishment of any new State or federal radio frequency standards applicable to frequencies of this facility, the facility granted herein shall be brought into compliance with such standards.
5. The Certificate Holder shall permit public or private entities to share space on the proposed tower for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.
6. The Certificate Holder shall provide reasonable space on the tower for no compensation for any municipal antennas, provided such antennas are compatible with the structural integrity of the tower.
7. If the facility does not initially provide wireless services within one year of completion of construction or ceases to provide wireless services for a period of one year, this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made.
8. Any antenna that becomes obsolete and ceases to function shall be removed within 60 days after such antennas become obsolete and cease to function.
9. Unless otherwise approved by the Council, this Decision and Order shall be void if the facility authorized herein is not operational within one year of the effective date of this Decision and Order or within one year after all appeals to this Decision and Order have been resolved.

Pursuant to General Statutes **§** 16-50p, we hereby direct that a copy of the Findings of Fact, Opinion, and Decision and Order be served on each person listed below, and notice of issuance shall be published in the Waterbury Republican American and the Torrington Register Citizen.

By this Decision and Order, the Council disposes of the legal rights, duties, and privileges of each party named or admitted to the proceeding in accordance with Section 16-50j-17 of the Regulations of Connecticut State Agencies.

The parties and intervenors to this proceeding are:

Applicant	**Its Representative**
Sprint Spectrum, L.P. d/b/a Sprint PCS	Thomas J. Regan, Esq. Brown Rudnick Berlack Israels CityPlace 1

	185 Asylum Street Hartford, CT 06103
Intervenor Cellco Partnership d/b/a Verizon Wireless	**Its Representative** Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103-3597 (860) 275-8200

ATTACHMENT 2

WIRELESS COMMUNICATIONS FACILITY

SITE NAME:
TORRINGTON NORTH CT

SBA SITE # CT46138
404 BURR MOUNTAIN RD.
TORRINGTON, CT 06790

ANTENNA MODIFICATION

PROJECT SUMMARY	
SITE NAME:	TORRINGTON NORTH CT
SITE ADDRESS:	404 BURR MOUNTAIN RD. a.k.a. 3345 WINSTED RD. TORRINGTON, CT 06790
PROPERTY OWNER:	O & G INDUSTRIES 112 WALL ST. TORRINGTON, CT 06790
TOWER OWNER/MGMT:	SBA SITE # CT46138
PARCEL ID:	242-001-005
COORDINATES:	41° 52' 23.7216" N 73° 05' 18.2616" 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

20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

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

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	06.23.21	REVISED PER NEW RFDS

DRAWN BY:	AS
CHECKED BY:	DW

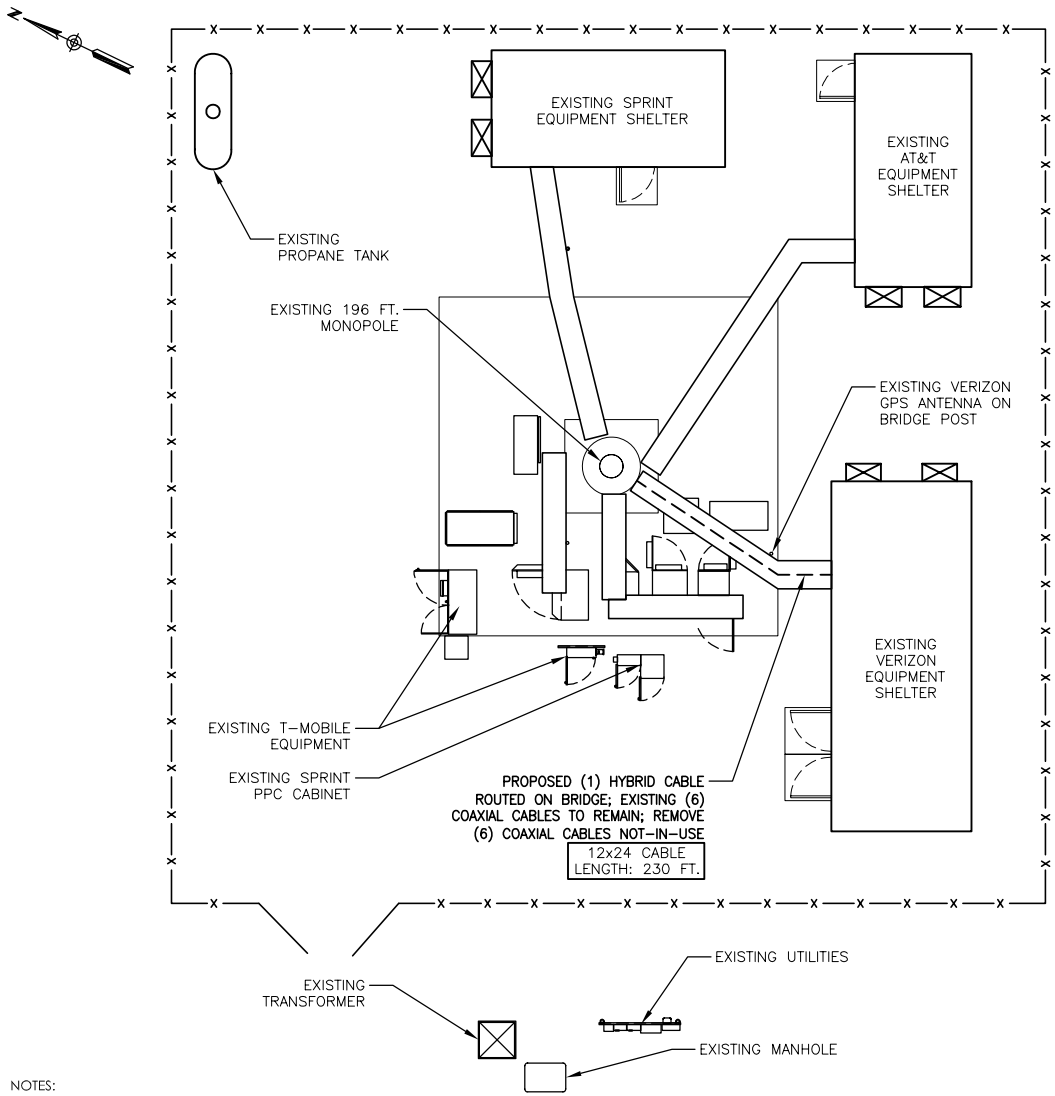
PROJECT NAME:
ANTMO MT6407
850-LTE-PCS-AWS
DESIGN EXHIBITS

SITE NAME:
TORRINGTON NORTH CT

SITE ADDRESS:
SBA SITE # CT46138
404 BURR MOUNTAIN RD.
TORRINGTON, CT 06790

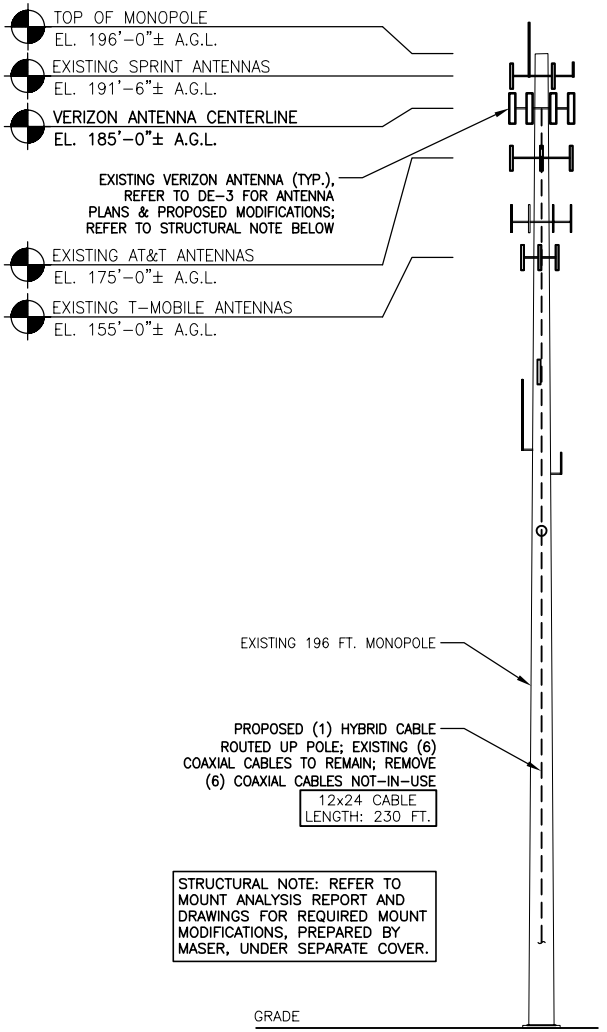
SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
DE-1



NOTES:
1. COMPOUND PLAN IS COMPILED FROM EXISTING DRAWINGS ON FILE WITH THE CT SITING COUNCIL AND A LIMITED DESIGN VISIT ON 1-12-21 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.

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



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

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

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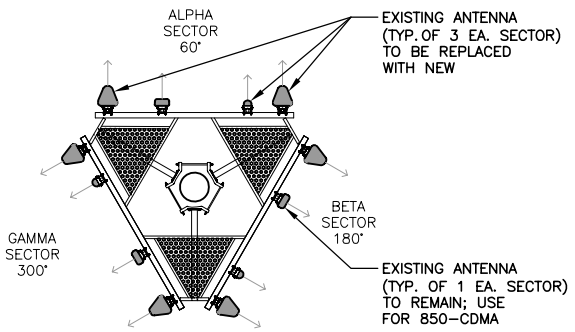
SBA SITE # CT46138
404 BURR MOUNTAIN RD.
TORRINGTON, CT 06790

SHEET TITLE:
COMPOUND PLAN
& ELEVATION

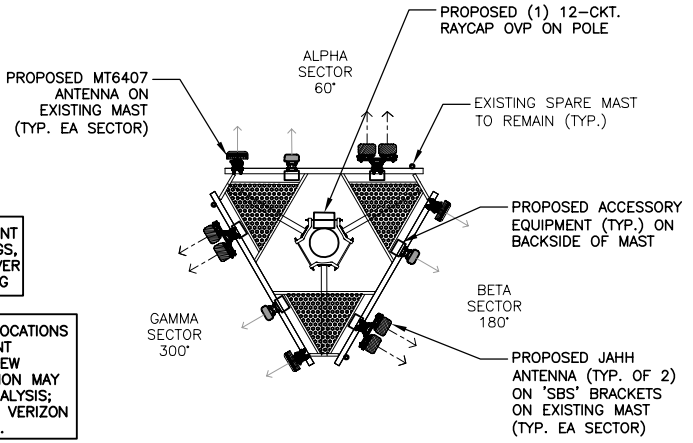
SHEET NUMBER:
DE-2



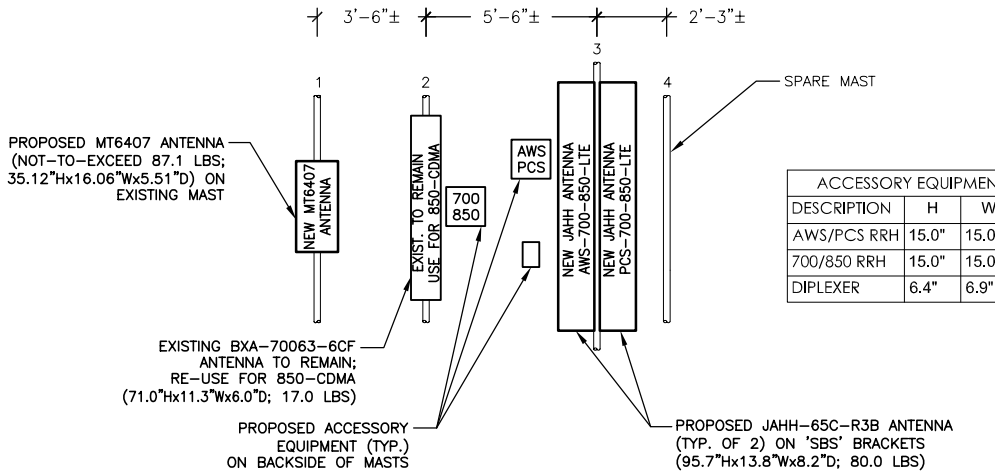
1 DE-3 ANTENNA PLAN @ 185 FT. - EXISTING
Scale: 1/8" = 1'-0"

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

NOTE: NEW DUAL RRH LOCATIONS SHOWN BASED ON MOUNT ANALYSIS BY OTHERS. NEW MT6407 ANTENNA LOCATION MAY DIFFER FROM MOUNT ANALYSIS; CONFIRM LOCATION WITH VERIZON CONSTRUCTION MANAGER.



2 DE-3 ANTENNA PLAN @ 185 FT. - PROPOSED
Scale: 1/8" = 1'-0"



ACCESSORY EQUIPMENT SPECIFICATIONS				
DESCRIPTION	H	W	D	WEIGHT
AWS/PCS RRH	15.0"	15.0"	10.0"	97.5 LBS.
700/850 RRH	15.0"	15.0"	8.1"	82.0 LBS.
DIPLEXER	6.4"	6.9"	9.6"	20.7 LBS.

(VIEWED FROM BEHIND SECTOR)

3 DE-3 ANTENNA ELEVATION (TYP.) - PROPOSED
Scale: 1/4" = 1'-0"

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20 ALEXANDER DRIVE
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SUBMITTALS

NO	DATE	DESCRIPTION
0	03.12.21	REVIEW
1	06.23.21	REVISED PER NEW RFDS

DRAWN BY:	AS
CHECKED BY:	DW

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

SITE NAME:
TORRINGTON NORTH CT

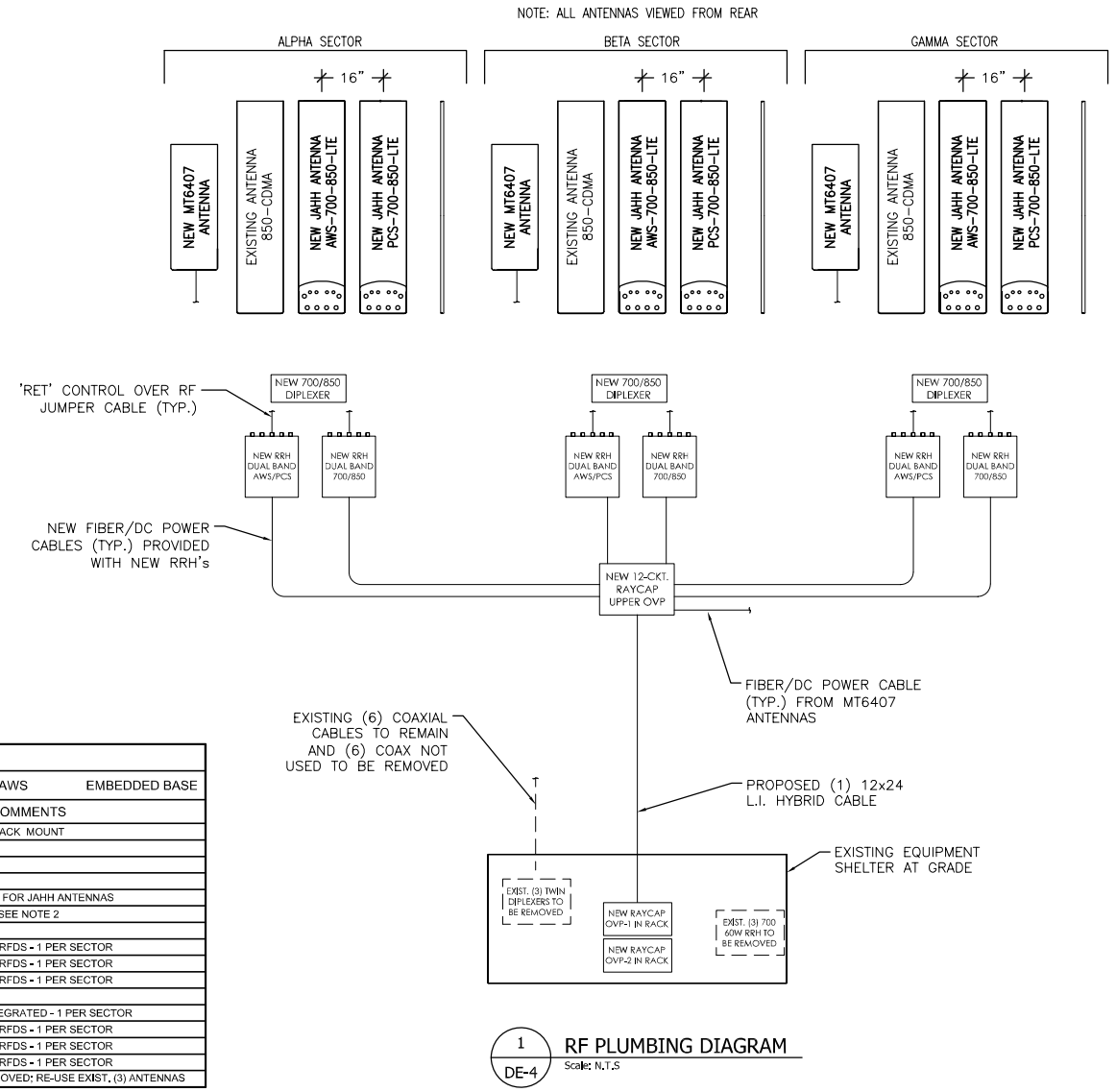
SITE ADDRESS:
SBA SITE # CT46138
404 BURR MOUNTAIN RD.
TORRINGTON, CT 06790

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: TORRINGTON NORTH CT	ANTMO MT6407-850-LTE-PCS-AWS		EMBEDDED BASE
DESCRIPTION	QTY	LENGTH	COMMENTS
LOWER OVP	2	-	RACK MOUNT
12-CKT. UPPER OVP	1	-	
12x24 L.I. HYBRID CABLE	1	230 FT.	
'RET' CONTROL CABLE	-	-	NOT REQ'D FOR JAHH 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
700/850 DIPLEXER	3	-	REFER TO RFDS - 1 PER SECTOR
MT6407 ANTENNA	3	-	SAMSUNG INTEGRATED - 1 PER SECTOR
JAHH AWS-700-850-LTE ANTENNA	3	-	REFER TO RFDS - 1 PER SECTOR
JAHH PCS-700-850-LTE ANTENNA	3	-	REFER TO RFDS - 1 PER SECTOR
COMMSCOPE SBS MOUNTING BRACKET	3	-	REFER TO RFDS - 1 PER SECTOR
850-CDMA ANTENNA	-	-	EXISTING (6) TO BE REMOVED; RE-USE EXIST. (3) ANTENNAS

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

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

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DRAWN BY:	AS
CHECKED BY:	DW

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

SITE NAME:
TORRINGTON NORTH CT

SITE ADDRESS:
SBA SITE # CT46138
404 BURR MOUNTAIN RD.
TORRINGTON, CT 06790

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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WIRELESS COMMUNICATIONS FACILITY

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SITE ADDRESS:
SBA SITE # CT46138
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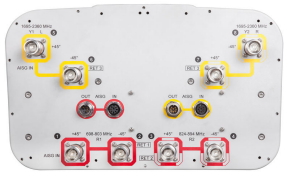
TORRINGTON, CT 06790

SHEET TITLE:
GENERAL
CONSTRUCTION
NOTES

SHEET NUMBER:
DE-5

JAHH-65C-R3B-V2



8-port sector antenna, 2x 698–803, 2x 824-894 and 4x 1695–2360 MHz, 65° HPBW, 3x RET and low bands have diplexers. Internal SBT's on first LB(Port 1) and first HB(Port 5)

- Internal SBT on low and high band allow remote RET control from the radio over the RF jumper cable
- One RET for 700MHz, one RET for 850MHz, and one RET for both high bands to ensure same tilt level for 4x Rx or 4x MIMO
- Internal filter on low band and interleaved dipole technology providing for attractive, low wind load mechanical package
- Separate RS-485 RET input/output for low and high band
- Supports re-configurable antenna sharing capability enabling control of the internal RET system using up to two separate RET compatible OEM radios

General Specifications

Antenna Type	Sector
Band	Multiband
Color	Light gray
Effective Projective Area (EPA), frontal	0.4 m² | 4.306 ft²
Effective Projective Area (EPA), lateral	0.34 m² | 3.66 ft²
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	4
RF Connector Quantity, total	8

Remote Electrical Tilt (RET) Information, General

RET Hardware	CommRET v2
RET Interface	8-pin DIN Female | 8-pin DIN Male

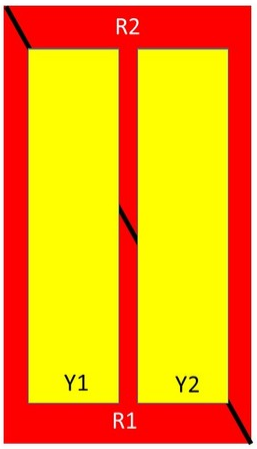
JAHH-65C-R3B-V2

RET Interface, quantity	2 female | 2 male

Dimensions

Width	350 mm | 13.78 in
Depth	208 mm | 8.189 in
Length	2438 mm | 95.984 in

Array Layout

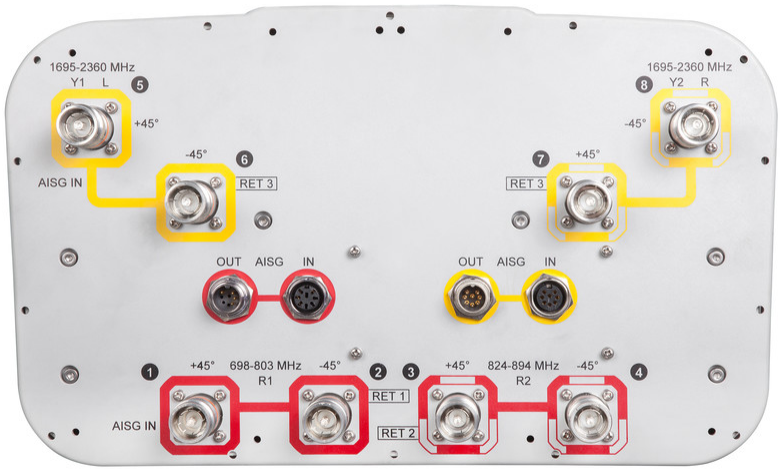


(Sizes of colored boxes are not true depictions of array sizes)

Array	Freq (MHz)	Conns	RET (SRET)	AISG RET UID
R1	698-803	1-2	1	CPxxxxxxxxxxxxxxR1
R2	824-894	3-4	2	CPxxxxxxxxxxxxxxR2
Y1	1695-2360	5-6	3	CPxxxxxxxxxxxxxxY1
Y2	1695-2360	7-8		

Port Configuration

JAHH-65C-R3B-V2



Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1695 – 2360 MHz | 698 – 803 MHz | 824 – 894 MHz
Polarization	±45°
Total Input Power, maximum	800 W @ 50 °C

Remote Electrical Tilt (RET) Information, Electrical

Protocol	3GPP/AISG 2.0 (Single RET)
Power Consumption, idle state, maximum	1 W
Power Consumption, normal conditions, maximum	8 W
Input Voltage	10–30 Vdc
Internal Bias Tee	Port 1 | Port 5
Internal RET	High band (1) | Low band (2)

Electrical Specifications

Frequency Band, MHz	**698–803**	**824–894**	**1695–1880**	**1850–1990**	**1920–2200**	**2300–2360**
Gain, dBi	15.6	16.1	18.2	18.6	18.8	18.9
Beamwidth, Horizontal, degrees	67	64	62	60	61	63

JAHH-65C-R3B-V2

Beamwidth, Vertical, degrees	9.9	8.4	5.6	5.2	4.9	4.5
Beam Tilt, degrees	0–11	0–11	0–10	0–10	0–10	0–10
USLS (First Lobe), dB	22	23	18	18	18	18
Front-to-Back Ratio at 180°, dB	33	31	30	34	37	35
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	200	200	250	250	250	200

Electrical Specifications, BASTA

Frequency Band, MHz	**698–803**	**824–894**	**1695–1880**	**1850–1990**	**1920–2200**	**2300–2360**
Gain by all Beam Tilts, average, dBi	15.2	15.9	17.6	18.4	18.5	18.5
Gain by all Beam Tilts Tolerance, dB	±0.4	±0.4	±0.7	±0.4	±0.5	±0.6
Gain by Beam Tilt, average, dBi	0 ° | 15.1 5 ° | 15.3 11 ° | 15.2	0 ° | 15.6 5 ° | 16.0 11 ° | 15.9	0 ° | 17.4 5 ° | 17.7 10 ° | 17.5	0 ° | 18.1 5 ° | 18.5 10 ° | 18.4	0 ° | 18.1 5 ° | 18.6 10 ° | 18.4	0 ° | 18.1 5 ° | 18.7 10 ° | 18.3
Beamwidth, Horizontal Tolerance, degrees	±0.9	±1.6	±3.5	±2.5	±2.7	±4.1
Beamwidth, Vertical Tolerance, degrees	±0.5	±0.4	±0.3	±0.2	±0.3	±0.3
USLS, beampeak to 20° above beampeak, dB	16	14	15	16	16	15
Front-to-Back Total Power at 180° ± 30°, dB	26	23	25	30	28	29
CPR at Boresight, dB	22	22	21	24	22	22
CPR at Sector, dB	12	11	10	13	12	7

Mechanical Specifications

Wind Loading at Velocity, frontal	425.0 N @ 150 km/h | 95.5 lbf @ 150 km/h
Wind Loading at Velocity, lateral	361.0 N @ 150 km/h | 81.2 lbf @ 150 km/h
Wind Loading at Velocity, maximum	202.3 lbf @ 150 km/h | 900.0 N @ 150 km/h
Wind Loading at Velocity, rear	101.4 lbf @ 150 km/h | 451.0 N @ 150 km/h
Wind Speed, maximum	241 km/h | 149.75 mph

JAHH-65C-R3B-V2

Packaging and Weights

Width, packed	456 mm | 17.953 in
Depth, packed	357 mm | 14.055 in
Length, packed	2585 mm | 101.772 in
Net Weight, without mounting kit	36.1 kg | 79.587 lb
Weight, gross	51.1 kg | 112.656 lb

Regulatory Compliance/Certifications

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

Included Products

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

* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance

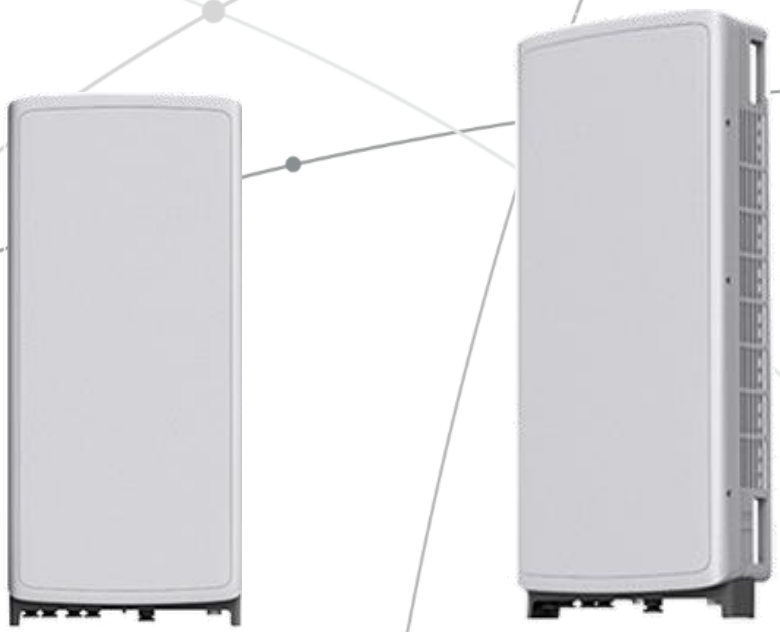
SAMSUNG

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

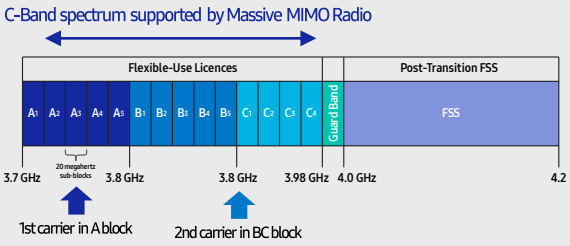


Points of Differentiation

Wide Bandwidth

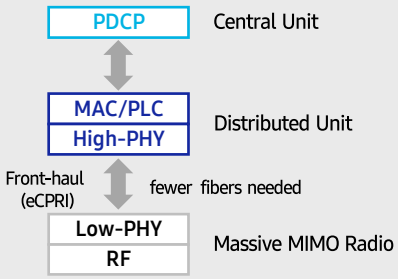
With capability to support up to 2 CC carrier configuration, Samsung C-Band massive MIMO Radio supports 200 MHz bandwidth in the C-Band spectrum.

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.

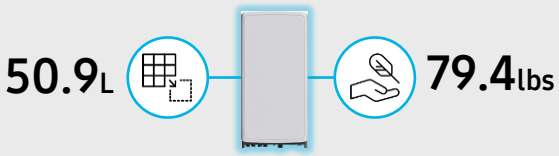
This helps operators reduce their CAPEX as they now need less products to cover the same area than before.

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
AWS/PCS (B66/B2)
RFV01U-D1A

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

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

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

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

Features and Benefits

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

Key Technical Specifications

Duplex Type: FDD
Operating Frequencies:
    B66: DL(2,110-2,180MHz)/UL(1,710-1,780MHz)
    B2: DL(1,930-1,990MHz)/UL(1,850-1,910MHz)
Instantaneous Bandwidth:
    70MHz(B66) + 60MHz(B2)
RF Chain: 4T4R/2T4R/2T2R
Output Power: Total 320W
DU-RU Interface: CPRI (10Gbps)
Dimensions: 380 x 380 x 255mm (36.8L)
Weight: 38.3kg
Input Power: -48V DC
Operating Temp.: -40 - 55°(w/o solar load)
Cooling: Natural convection

SAMSUNG

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

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

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

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

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

Features and Benefits

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

Key Technical Specifications

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

ATTACHMENT 3

	General	Power	Density					
Site Name: Torrington N								
Tower Height: Verizon @ 185ft								
CARRIER	**# OF CHAN.**	**WATTS ERP**	**HEIGHT**	**FREQ.**	**CALC. POWER DENS**	**MAX. PERMISS. EXP.**	**FRACTION MPE**	**Total**
*Sprint	2	347	191.5	1900	0.0073	1.0000	0.07%	
*Sprint	1	195	191.5	850	0.0020	0.5667	0.04%	
*Sprint	2	347	191.5	2500	0.0073	1.0000	0.07%	
*Pocket (now MetroPCS)	3	631	141.5	2130	0.0371	1.0000	0.37%	
*T-Mobile	1	584	155	1900	0.0095	1.0000	0.09%	
*T-Mobile	1	1556	155	1900	0.0252	1.0000	0.25%	
*T-Mobile	1	1162	155	2100	0.0188	1.0000	0.19%	
*T-Mobile	2	2334	155	2100	0.0756	1.0000	0.38%	
*T-Mobile	2	789	155	600	0.0256	0.4000	0.64%	
*T-Mobile	2	433	155	700	0.0140	0.4667	0.30%	
*AT&T-LTE	1	281	175	850	0.0035	0.5667	0.06%	
*AT&T-LTE	2	2951	175	700	0.0743	0.4667	1.59%	
*AT&T-PCS-LTE	1	1000	175	850	0.0126	0.5667	0.22%	
*AT&T-UMTS	1	1000	175	850	0.0126	0.5667	0.22%	
*AT&T-PCS-UMTS	2	3664	175	1900	0.0923	1.0000	0.92%	
*AT&T-GSM	1	1285	175	2300	0.0162	1.0000	0.16%	
*Nextel	12	100	161.5	851	0.0178	0.5673	0.31%	
VZW 700	**4**	**779**	**185**	**751**	**0.0033**	**0.5007**	**0.65%**	
VZW CDMA	**2**	**385**	**185**	**877.26**	**0.0008**	**0.5848**	**0.14%**	
VZW Cellular	**4**	**881**	**185**	**874**	**0.0037**	**0.5827**	**0.64%**	
VZW PCS	**4**	**1019**	**185**	**1975**	**0.0043**	**1.0000**	**0.43%**	
VZW AWS	**4**	**2043**	**185**	**2120**	**0.0086**	**1.0000**	**0.86%**	
VZW CBAND	**4**	**6531**	**185**	**3730.08**	**0.0275**	**1.0000**	**2.75%**	
								11.37%
* Source: Siting Council								

ATTACHMENT 4

Tower Engineering Solutions
Phone (972) 483-0607, Fax (972) 975-9615
1320 Greenway Drive, Suite 600, Irving, Texas 75038

Structural Analysis Report

Existing 196 ft Valmont Monopole

Customer Name: SBA Communications Corp

Customer Site Number: CT46138-A

Customer Site Name: Torrington/Oandg Ind Inc

Carrier Name: Verizon (App#: 150431, V6)

Carrier Site ID / Name: 467965 / Torrington N CT

Site Location: LOT 5 Burr Mountain Road

Torrington, Connecticut

Litchfield County

Latitude: 41.873255

Longitude: -73.088405

Exp.10/31/2021

08/19/2021

Analysis Result:

Max Structural Usage: 87.0% [Pass]

Max Foundation Usage: 78% [Pass]

Additional Usage Caused by New Mount/Mount Modification: +1.0%

Report Prepared By : Mariana Franco

Introduction

The purpose of this report is to summarize the analysis results on the 196 ft Valmont Monopole to support the proposed antennas and transmission lines in addition to those currently installed. Any modification listed under Sources of Information was assumed completed and was included in this analysis.

Sources of Information

Tower Drawings	Valmont, Order # 17566-64 Dated 08/03/2004
Foundation Drawing	Valmont, Eng File # A-402723 Dated 07/16/2004
Geotechnical Report	Geotechnical Report by Dr. Clarence Welti, P.E, P.C, Tower- CT33XC079 Dated
Modification Drawings	Vertical Solutions, Project # 130499 Dated 06/28/2013
Mount Analysis	TES Project #: 10074708 Dated: 06/18/21

Analysis Criteria

The rigorous analysis was performed in accordance with the requirements and stipulations of the TIA-

In accordance with this standard, the structure was analyzed using **TESPoles,** a proprietary analysis software. The program considers the structure as an elastic 3-D model with second-order effects and temperature effects incorporated in the analysis. The analysis was performed using multiple wind directions.

Wind Speed Used in the Analysis:	Ultimate Design Wind Speed V_{ult} = 120 mph (3-Sec. Gust)/ Nominal Design Wind Speed V_{asd} = 93.0 mph (3-Sec. Gust)
Wind Speed with Ice:	40 mph (3-Sec. Gust) with 3/4" radial ice concurrent
Operational Wind Speed:	60 mph + 0" Radial ice
Standard/Codes:	TIA-222-G-2 / 2015 IBC / 2018 Connecticut State Building Code
Exposure Category:	
Structure Class:	
Topographic Category:	
Crest Height:	0 ft
Seismic Parameters:	

This structural analysis is based upon the tower being classified as a Structure Class II; however, if a different classification is required subsequent to the date hereof, the tower classification will be changed to meet such requirement and a new structural analysis will be run.

Existing Antennas, Mounts and Transmission Lines

The table below summarizes the antennas, mounts and transmission lines that were considered in the analysis as existing on the tower.

Items	Elevation (ft.)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
			RFI - BA80-41-DIN - Omni	(1) Pipe mount		Torrington
			RFS - APXVTM14-C-120 - Panel			
			RFS - APXVSPP18-C-A20 - Panel			
			ALU - 800MHz - RRU			
			ALU - 1900MHz - RRU	Low Profile Platform	(4) 1-1/4" Fiber	Sprint
			ALU - RRH8x20-25 - RRU			
			ALU - 800MHz Filter - RRU Filter			
			Antel - BXA-171063-8BF_2 - Panel			
			Antel - LPA-80063/4CF - Panel	Low Profile Platform		Verizon
			Antel - BXA-70063 6CF_2 - Panel			
			RFS - FD9R6004/2C-3L - Diplexer			
			Kathrein 800-10965- Panel			
			Raycap DC6-48-60-18-8C-EV			
			Ericsson RRUS 32 B30			
			Ericsson RRUS 4478 B14			
			Ericsson RRUS 4449 B5/B12	Low Profile Platform SitePro1 HRK12 (Handrail Kit)	(2) 2" Conduit (Housing (4) 3/4" & (2) 7/16" Fiber lines) (1) 3" Conduit (Housing (2) 3/4" & (1) 7/16" Fiber lines)	
			Powerwave LGP13519 Diplexer			
			Powerwave LGP21401 TMA			
			Powerwave 7770- Panel			
			Ericsson RRUS 12			
			Raycap DC6-48-60-18-8F			
			Ericsson AIR 21 B4A/B2P			
			Ericsson AIR 21 B2A/B4P	(3) T-Arms w/ Handrail kit & v-brace kit	(9) 1 5/8" Coax (4) 1 5/8" Fiber	T-Mobile
			Ericsson KRY 112 144/1			
			Ericsson Radio 4449 B71 + B12			
			Telewave - ANT150F2 - Omni	(1) Standoff		
			14' Omni	(6) Standoff		Torrington
			4' Omni			
			Maxrad - MPRD - Dish	(1) Standoff	(2) CAT5e	

Proposed Carrier's Final Configuration of Antennas, Mounts and Transmission Lines

Information pertaining to the proposed carrier's final configuration of antennas and transmission lines was provided by SBA Communications Corp. The proposed antennas and lines are listed below.

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
			Antel BXA-70063-6CF-EDIN-2 - Panel	Modified Platform with Handrail w/ (3) Commscope BSAMNT-SBS-2-2 Brackets	Hybrid	Verizon
			Andrew JAHH-65C-R3B-V2 - Panel			
			Samsung MT6407-77A - Panel			
			Commscope CBC78T-DS-43-2X			
			Samsung Telecommunications RFV01U-			
			Samsung RFV01U-1A			

See the attached coax layout for the line placement considered in the analysis.

Analysis Results

The results of the structural analysis, performed for the wind and ice loading and antenna equipment as defined above, are summarized as the following:

	Pole shafts	Anchor Bolts	Base Plate
Max. Usage:			
Pass/Fail	**Pass**	**Pass**	**Pass**

Foundations

	Moment (Kip-Ft)	Shear (Kips)	Axial (Kips)
Analysis Reactions			

The foundation has been investigated using the supplied documents and soils report and was found adequate. Therefore, no modification to the foundation will be required.

Operational Condition (Rigidity):

Operational characteristics of the tower are found to be within the limits prescribed by TIA-222 for the installed antennas. The maximum twist/sway at the elevation of the proposed equipment is 2.0096 degrees under the operational wind speed as specified in the Analysis Criteria.

Conclusions

Based on the analysis results, the existing structure and its foundation were found to be adequate to safely support the existing and proposed equipment and meet the minimum requirements per the TIA-222 Standard under the design basic wind speed as specified in the Analysis Criteria.

Standard Conditions

This analysis was performed based on the information supplied to **Tower Engineering Solutions,** Verification of the information provided was not included in the Scope of Work for . The accuracy of the analysis is dependent on the accuracy of the information provided.

The structural analysis was performance based upon the evidence available at the time of this report. All information provided by the client is considered to be accurate.

The analyses will be performed based on the codes as specified by the client or based on the best knowledge of the engineering staff of . In the absence of information to the contrary, all work will be performed in accordance with the latest relevant revision of ANSI/TIA-222. If wind speed and/or ice loads are different from the minimum values recommended by the ANSI/TIA-222 standard or other codes, should be notified in writing and the applicable minimum values provided by the client.

The configuration of the existing mounts, antennas, coax and other appurtenances were supplied by the customer for the current structural analysis. has not visited the tower site to verify the adequacy of the information provided. If there is any discrepancy found in the report regarding the existing conditions, should be notified immediately to evaluate the effect of the discrepancy on the analysis results.

The client will assume responsibility for rework associated with the differences in initially provided information, including tower and foundation information, existing and/or proposed equipment and transmission lines.

If a feasibility analysis was performed, final acceptance of changed conditions shall be based upon a rigorous structural analysis.

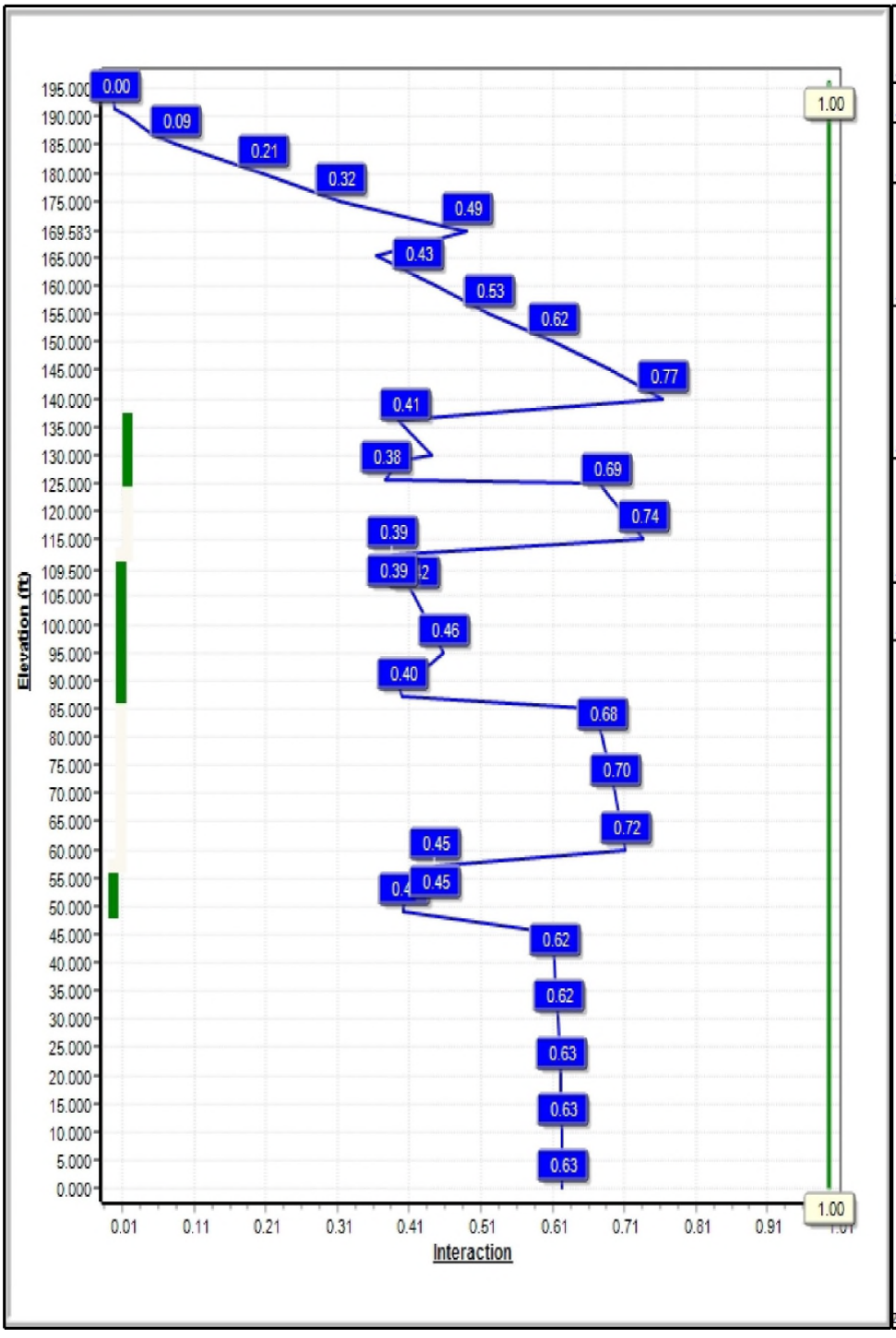
Usage Diagram - Max Ratio 76.72% at 140.0ft

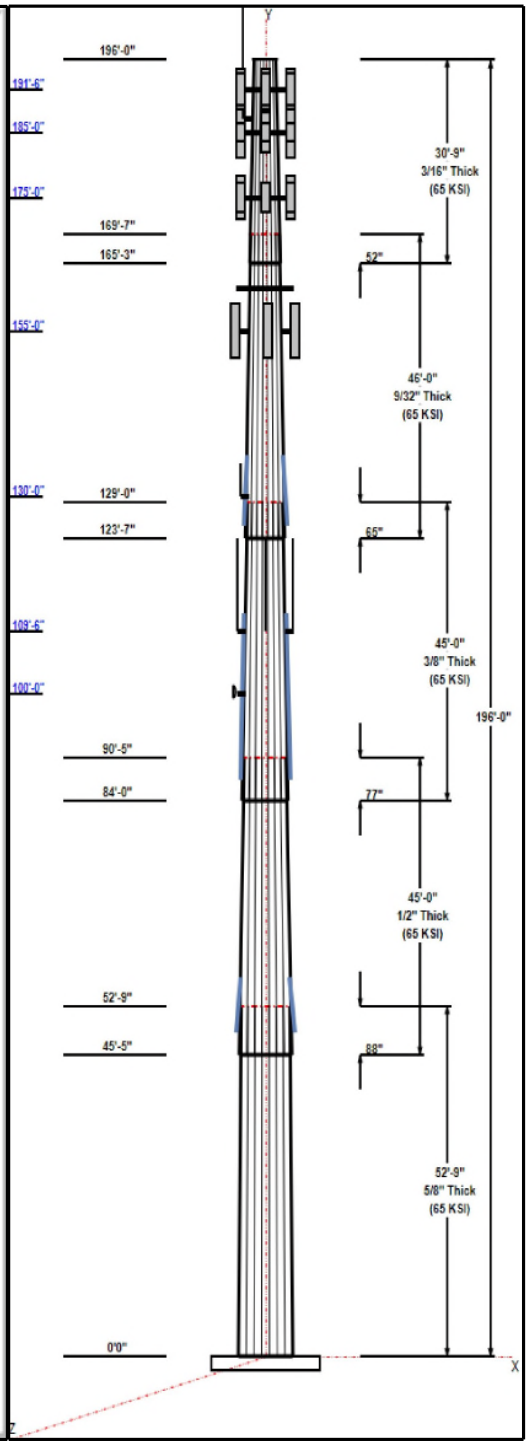
Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C	
Height:	196.00 (ft)	**Gh:**	1.1	
Base Elev:	0.000 (ft)			Page: 1

Tower Engineering Solutions

Dead Load Factor:	1.20	**Iterations:**	27
Wind Load Factor:	1.60		

Load Case : 1.2D + 1.6W 93 mph Wind





Structure: CT46138-A-SBA

Type: Tapered
Site Name: Torrington/Oandg Ind Inc
Height: 196.00 (ft)
Base Elev: 0.00 (ft)

Base Shape: 16 Sided
Taper: 0.21000

8/9/2021

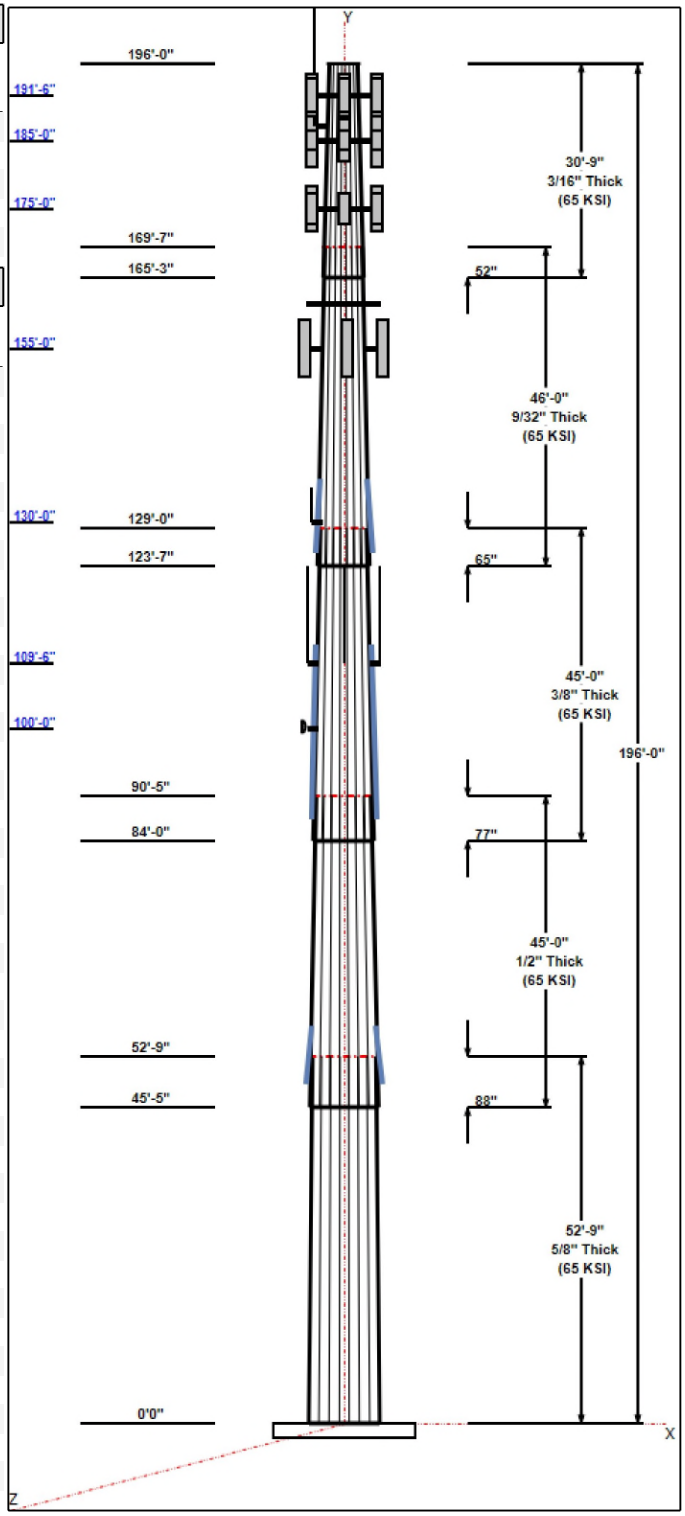
Tower Engineering Solutions

Shaft Properties

Seq	Length (ft)	Top (in)	Bottom (in)	Thick (in)	Joint Type	Taper	Grade (ksi)
1	52.75	48.92	60.00	0.625		0.21000	65
2	45.00	42.01	51.46	0.500	Slip	0.21000	65
3	45.00	34.66	44.11	0.375	Slip	0.21000	65
4	46.00	26.70	36.36	0.281	Slip	0.21000	65
5	30.75	21.53	27.98	0.188	Slip	0.21000	65

Discrete Appurtenances

Attach Elev (ft)	Force Elev (ft)	Qty	Description	Carrier
196.00	196.00	1	6' Lightning rod	Torrington P.D.
191.50	191.50	3	APXVTM14-C-120	Sprint
191.50	191.50	3	APXVSPP18-C-A20	Sprint
191.50	191.50	3	800MHz - RRU	Sprint
191.50	191.50	3	1900MHz - RRU	Sprint
191.50	191.50	3	RRH8x20-25 - RRU	Sprint
191.50	191.50	3	800MHz Filter	Sprint
191.50	191.50	4	ACU-A20-N - RET	Sprint
191.50	191.50	1	Low Profile Platform	Sprint
187.00	197.33	1	BA80-41-DIN	Torrington P.D.
187.00	187.00	1	Pipe mount	Torrington P.D.
185.00	185.00	3	BXA-70063 6CF_2	Verizon
185.00	185.00	1	Low Profile	Verizon
185.00	185.00	6	JAHH-65C-R3B-V2	Verizon
185.00	185.00	3	MT6407-77A	Verizon
185.00	185.00	3	CBC23SR-43	Verizon
185.00	185.00	3	RFV01U-D2A	Verizon
185.00	185.00	3	RFV01U-D1A	Verizon
185.00	185.00	1	DB-C1-12C-24AB-0Z	Verizon
185.00	185.00	1	HRK12-HD	Verizon
175.00	175.00	2	Raycap	AT&T
175.00	175.00	3	Ericsson RRUS 32 B30	AT&T
175.00	175.00	3	Ericsson RRUS 4478 B14	AT&T
175.00	175.00	3	Ericsson RRUS 4449	AT&T
175.00	175.00	12	Powerwave LGP13519	AT&T
175.00	175.00	12	Powerwave LGP21401	AT&T
175.00	175.00	3	Powerwave 7770	AT&T
175.00	175.00	3	RRUS-12	AT&T
175.00	175.00	1	DC6-48-60-18-8F	AT&T
175.00	175.00	1	Low Profile Platform	AT&T
175.00	175.00	6	Kathrein 800-10965	AT&T
175.00	175.00	1	HRK12 (Handrail Kit)	AT&T
161.50	161.50	1	Low Profile Platform	Vacant
155.00	155.00	3	AIR 21 B4A/B2P	T-Mobile
155.00	155.00	3	AIR 21 B2A/B4P	T-Mobile
155.00	155.00	3	KRY 112 114 TMA	T-Mobile
155.00	155.00	3	T-Arms w/ Handrail kit &	T-Mobile
155.00	155.00	3	APXVAARR24_43-U-NA20	T-Mobile
155.00	155.00	3	Radio 4449 B71 + B12	T-Mobile
130.00	130.00	1	Standoff	Torrington P.D.
130.00	132.50	1	ANT150F2	Torrington P.D.
109.50	116.50	5	14' Omni	Torrington P.D.
109.50	111.50	1	4' Omni	Torrington P.D.
109.50	109.50	5	Standoff	Torrington P.D.



109.50	109.50	1	Standoff	Torrington P.D.
100.00	100.00	1	MPRD	Torrington P.D.
100.00	100.00	1	Standoff	Torrington P.D.

Linear Appurtenances

Elev From (ft)	Elev To (ft)	Placement	Description	Carrier
0.00	191.50	Inside	1 5/8" Coax	Sprint
0.00	191.50	Inside	1-1/4" Fiber	Sprint
0.00	187.00	Inside	7/8" Coax	Torrington P.D.
0.00	185.00	Inside	1 5/8" Coax	Verizon
0.00	185.00	Inside	1 5/8" Hybrid	Verizon
0.00	175.00	Inside	1 5/8" Coax	AT&T
0.00	175.00	Outside	2" Conduit	AT&T
0.00	175.00	Outside	3" Conduit	AT&T
0.00	175.00	Inside	3/4" DC	AT&T
0.00	175.00	Inside	7/16" Fiber	AT&T
0.00	155.00	Inside	1 5/8" Coax	T-Mobile
0.00	155.00	Inside	1 5/8" Fiber	T-Mobile
0.00	145.00	Inside	1 5/8" Coax	Metro PCS
0.00	130.00	Outside	7/8" Coax	Torrington P.D.
0.00	109.50	Inside	1/2" Coax	Torrington P.D.
0.00	100.00	Inside	CAT5e	Torrington P.D.

Anchor Bolts

Qty	Specifications	Grade (ksi)	Arrangement
28	2.25" 18J	75.0	Radial

Base Plate

Thickness (in)	Specifications (in)	Grade (ksi)	Geometry
3.0000	73.7	45.0	Polygon

Reactions

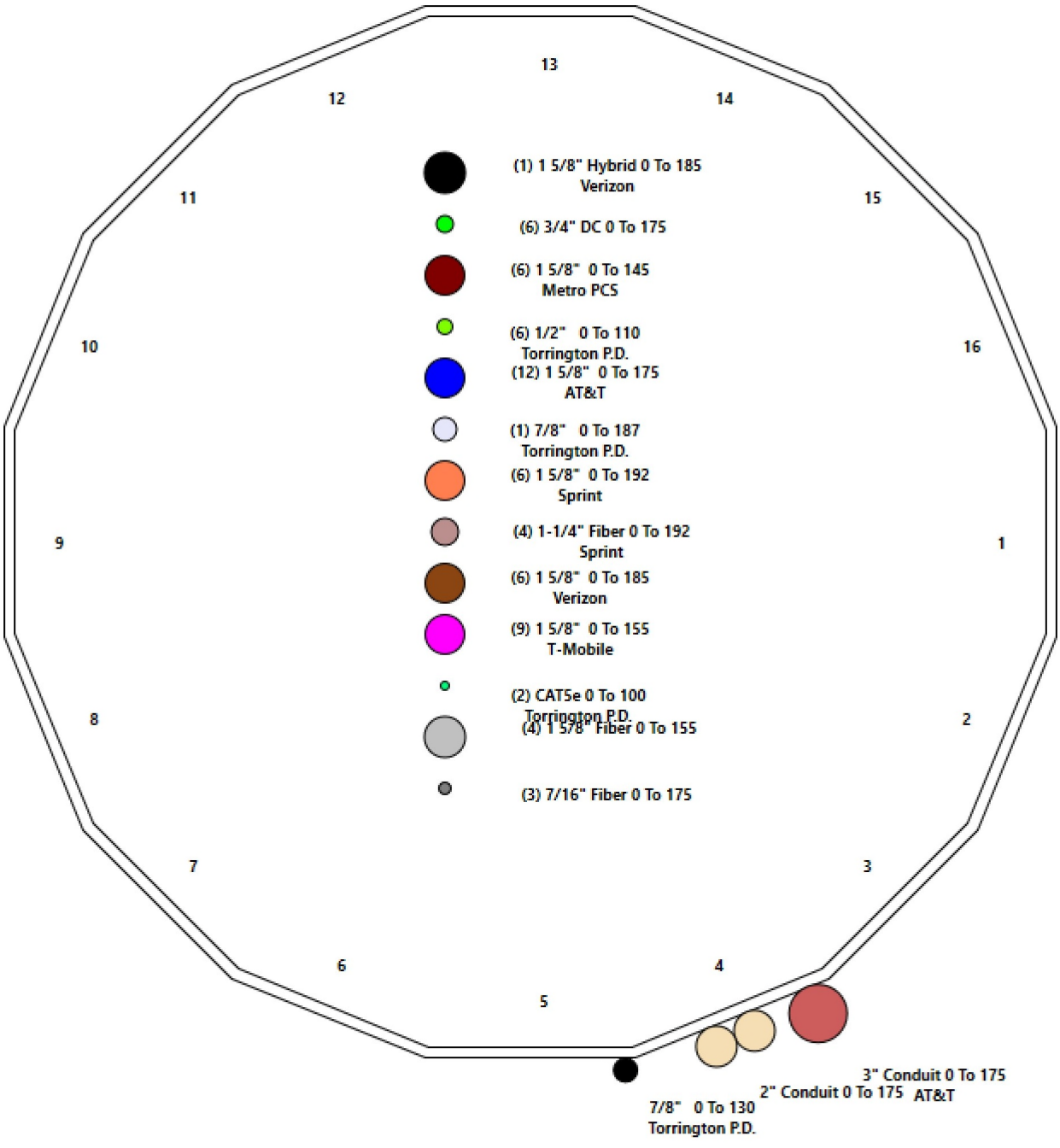
Load Case	Moment (FT-Kips)	Shear (Kips)	Axial (Kips)
1.2D + 1.6W 93 mph Wind	6603.2	46.9	81.1
0.9D + 1.6W 93 mph Wind	6513.4	46.9	60.8
1.2D + 1.0Di + 1.0Wi 40 mph Wind	1286.3	8.9	120.2
1.2D + 1.0E	376.7	2.8	81.2
0.9D + 1.0E	371.3	2.8	60.9
1.0D + 1.0W 60 mph Wind	1705.5	12.2	67.7

Structure: CT46138-A-SBA - Coax Line Placement

Type: Monopole
Site Name: Torrington/Oandg Ind Inc
Height: 196.00 (ft)

8/9/2021

Tower Engineering Solutions



Shaft Properties

Structure:	CT46138-A-SBA		**Code:**	EIA/TIA-222-G	8/9/2021
Site Name:	Torrington/Oandg Ind Inc		**Exposure:**	C	
Height:	196.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 5

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Sec. No.	Shape	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Overlap (in)	Weight (lb)
1	16	52.750	0.6250	65		0.00	19,266
2	16	45.000	0.5000	65	Slip	88.00	11,293
3	16	45.000	0.3750	65	Slip	77.00	7,146
4	16	46.000	0.2813	65	Slip	65.00	4,388
5	16	30.750	0.1875	65	Slip	52.00	1,538
					Total Shaft Weight:		**43,631**

	Bottom						Top						
Sec. No.	**Dia (in)**	**Elev (ft)**	**Area (sqin)**	**Ix (in^4)**	**W/t Ratio**	**D/t Ratio**	**Dia (in)**	**Elev (ft)**	**Area (sqin)**	**Ix (in^4)**	**W/t Ratio**	**D/t Ratio**	**Taper**
1	60.00	0.00	118.3	52722.49	17.50	96.00	48.92	52.75	96.29	28376.2	13.98	78.28	0.210003
2	51.46	45.42	81.29	26670.08	18.88	102.92	42.01	90.42	66.21	14414.6	15.12	84.02	0.210003
3	44.11	84.00	52.32	12642.04	21.81	117.63	34.66	129.00	41.01	6090.27	16.79	92.43	0.210003
4	36.36	123.5	32.37	5322.81	24.12	129.28	26.70	169.58	23.70	2089.84	17.29	94.93	0.210003
5	27.98	165.2	16.63	1622.94	28.10	149.25	21.53	196.00	12.76	734.28	21.25	114.8	0.210003

Additional Steel

							Intermediate Connectors		Termination Connectors			
Elev From (ft)	**Elev To (ft)**	**Qty**	**Description**	**Fy (ksi)**	**Fu (ksi)**	**Offset (in)**	**Description**	**Spacing (in)**	**Description**	**Spacing (in)**	**Lower Qty**	**Upper Qty**
48.90	57.15	4	PLT 7.25x1.5(31mm Hole)	50	65	0.00	AJM20&sleeve	0.00	AJM20&sleeve	3.00	14	13
87.00	112.2	4	PLT 6.5x1.5(31mm Hole)	50	65	0.00	AJM20&sleeve	0.00	AJM20&sleeve	3.00	12	11
125.6	136.2	4	PLT 4.75x1.5(31mm Hole)	50	65	0.00	AJM20&sleeve	24.00	AJM20&sleeve	3.00	8	7

Load Summary

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 6	

Tower Engineering Solutions

Discrete Appurtenances

				No Ice			Ice				
No.	Elev (ft)	Description	Qty	Weight (lb)	CaAa (sf)	CaAa Factor	Weight (lb)	CaAa (sf)	CaAa Factor	Hor. Ecc. (ft)	Vert Ecc (ft)
1	196.00	6' Lightning rod	1	6.50	0.38	1.00	43.78	1.497	1.00	0.00	0.00
2	191.50	APXVTM14-C-120	3	56.00	6.34	0.85	221.20	7.483	0.88	0.00	0.00
3	191.50	APXVSPP18-C-A20	3	57.00	8.02	0.83	234.13	10.883	0.85	0.00	0.00
4	191.50	800MHz - RRU	3	53.00	2.49	0.67	128.79	3.662	0.70	0.00	0.00
5	191.50	1900MHz - RRU	3	44.00	3.80	0.67	155.86	5.224	0.70	0.00	0.00
6	191.50	RRH8x20-25 - RRU	3	70.00	4.05	0.67	183.78	4.885	0.70	0.00	0.00
7	191.50	800MHz Filter	3	8.80	0.78	0.67	26.88	1.443	0.70	0.00	0.00
8	191.50	ACU-A20-N - RET	4	1.00	0.14	0.75	5.40	0.444	0.78	0.00	0.00
9	191.50	Low Profile Platform	1	1500.00	22.00	1.00	2841.28	40.098	1.00	0.00	0.00
10	187.00	BA80-41-DIN	1	68.00	9.40	1.00	334.66	28.572	1.00	0.00	10.33
11	187.00	Pipe mount	1	40.00	2.63	0.75	122.07	8.732	0.75	0.00	0.00
12	185.00	BXA-70063 6CF_2	3	17.00	7.57	0.82	168.44	10.392	0.85	0.00	0.00
13	185.00	Low Profile Platform-Round	1	1500.00	22.00	0.00	2836.65	40.036	0.00	0.00	0.00
14	185.00	JAHH-65C-R3B-V2	6	80.20	12.81	0.83	386.40	14.476	0.83	0.00	0.00
15	185.00	MT6407-77A	3	79.40	4.69	0.70	202.02	5.658	0.70	0.00	0.00
16	185.00	CBC23SR-43	3	4.90	0.42	0.70	16.28	0.709	0.70	0.00	0.00
17	185.00	RFV01U-D2A	3	70.30	1.88	0.78	119.96	2.443	0.78	0.00	0.00
18	185.00	RFV01U-D1A	3	84.40	1.88	0.83	136.75	2.443	0.83	0.00	0.00
19	185.00	DB-C1-12C-24AB-0Z	1	32.00	4.06	1.00	148.34	4.899	1.00	0.00	0.00
20	185.00	HRK12-HD	1	406.61	12.00	0.75	899.38	23.976	0.75	0.00	0.00
21	175.00	Raycap DC6-48-60-18-8C-EV	2	16.00	4.78	1.00	141.66	5.678	1.00	0.00	0.00
22	175.00	Ericsson RRUS 32 B30	3	60.00	2.74	0.67	149.70	3.481	0.67	0.00	0.00
23	175.00	Ericsson RRUS 4478 B14	3	59.40	1.65	0.67	101.51	2.176	0.67	0.00	0.00
24	175.00	Ericsson RRUS 4449 B5/B12	3	71.00	1.97	0.67	125.21	2.526	0.67	0.00	0.00
25	175.00	Powerwave LGP13519 Diplexer	12	5.30	0.34	1.00	14.95	0.801	1.00	0.00	0.00
26	175.00	Powerwave LGP21401 TMA	12	14.10	1.29	1.00	39.49	2.139	1.00	0.00	0.00
27	175.00	Powerwave 7770	3	35.00	5.50	0.85	172.76	6.583	0.88	0.00	0.00
28	175.00	RRUS-12	3	50.00	2.70	0.67	112.88	3.793	0.70	0.00	0.00
29	175.00	DC6-48-60-18-8F	1	32.80	0.92	1.00	97.56	1.365	1.00	0.00	0.00
30	175.00	Low Profile Platform	1	1500.00	22.00	1.00	2829.24	39.936	1.00	0.00	0.00
31	175.00	Kathrein 800-10965	6	108.60	13.81	0.71	412.08	15.416	0.71	0.00	0.00
32	175.00	HRK12 (Handrail Kit)	1	261.72	6.75	1.00	577.14	13.449	1.00	0.00	0.00
33	161.50	Low Profile Platform	1	1500.00	22.00	1.00	2818.62	39.792	1.00	0.00	0.00
34	155.00	AIR 21 B4A/B2P	3	90.30	6.09	0.83	258.82	7.133	0.85	0.00	0.00
35	155.00	AIR 21 B2A/B4P	3	91.50	6.09	0.83	259.21	7.133	0.85	0.00	0.00
36	155.00	KRY 112 114 TMA	3	11.00	0.41	0.67	21.82	0.887	0.67	0.00	0.00
37	155.00	T-Arms w/ Handrail kit & v-brace kit	3	500.00	17.50	0.75	1200.38	31.473	0.75	0.00	0.00
38	155.00	APXVAARR24_43-U-NA20	3	128.00	20.24	0.70	547.48	22.147	0.70	0.00	0.00
39	155.00	Radio 4449 B71 + B12	3	71.00	1.97	0.67	124.56	2.519	0.67	0.00	0.00
40	130.00	Standoff	1	40.00	2.63	0.75	119.14	8.514	0.75	0.00	0.00
41	130.00	ANT150F2	1	13.00	1.23	1.00	45.60	2.275	1.00	0.00	2.50
42	109.50	14' Omni	5	40.00	4.20	1.00	142.61	9.047	1.00	0.00	7.00
43	109.50	4' Omni	1	10.00	1.00	1.00	40.31	1.837	1.00	0.00	2.00
44	109.50	Standoff	5	40.00	2.63	0.75	117.79	8.414	0.75	0.00	0.00
45	109.50	Standoff	1	40.00	2.63	0.75	117.79	8.414	0.75	0.00	0.00
46	100.00	MPRD	1	36.00	6.10	1.00	278.56	7.253	1.00	0.00	0.00
47	100.00	Standoff	1	40.00	2.63	0.75	117.09	8.361	0.75	0.00	0.00
		Totals:	**135**	**13,964.23**			**35,323.47**				

Discrete Appurtenances

No.	Elev (ft)	Description	Qty	No Ice Weight (lb)	No Ice CaAa (sf)	No Ice CaAa Factor	Ice Weight (lb)	Ice CaAa (sf)	Ice CaAa Factor	Hor. Ecc. (ft)	Vert Ecc (ft)

Linear Appurtenances

Bottom Elev. (ft)	Top Elev. (ft)	Description	Exposed Width	Exposed
0.00	191.50	(6) 1 5/8" Coax	0.00	Inside
0.00	191.50	(4) 1-1/4" Fiber	0.00	Inside
0.00	187.00	(1) 7/8" Coax	0.00	Inside
0.00	185.00	(6) 1 5/8" Coax	0.00	Inside
0.00	185.00	(1) 1 5/8" Hybrid	0.00	Inside
0.00	175.00	(12) 1 5/8" Coax	0.00	Inside
0.00	175.00	(2) 2" Conduit	0.00	Outside
0.00	175.00	(1) 3" Conduit	3.00	Outside
0.00	175.00	(6) 3/4" DC	0.00	Inside
0.00	175.00	(3) 7/16" Fiber	0.00	Inside
0.00	155.00	(9) 1 5/8" Coax	0.00	Inside
0.00	155.00	(4) 1 5/8" Fiber	0.00	Inside
0.00	145.00	(6) 1 5/8" Coax	0.00	Inside
0.00	130.00	(1) 7/8" Coax	0.52	Outside
0.00	109.50	(6) 1/2" Coax	0.00	Inside
0.00	100.00	(2) CAT5e	0.00	Inside

Shaft Section Properties

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 8	

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Increment Length: **5 (ft)**

											Additional Reinforcing			
Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fy (ksi)	Fb (ksi)	Weight (lb)	Area (in^2)	Ixp (in^4)	Iyp (in^4)	Weight (lb)
0.00		0.6250	60.000	118.379	52722.5	17.50	96.00	65	83	0.0				
5.00		0.6250	58.950	116.285	49974.6	17.17	94.32	65	83	1996.3				
10.00		0.6250	57.900	114.192	47323.8	16.84	92.64	65	83	1960.7				
15.00		0.6250	56.850	112.099	44768.5	16.50	90.96	65	83	1925.0				
20.00		0.6250	55.800	110.005	42306.9	16.17	89.28	65	83	1889.4				
25.00		0.6250	54.750	107.912	39937.2	15.83	87.60	65	83	1853.8				
30.00		0.6250	53.700	105.818	37657.6	15.50	85.92	65	83	1818.2				
35.00		0.6250	52.650	103.725	35466.6	15.17	84.24	65	83	1782.6				
40.00		0.6250	51.600	101.631	33362.2	14.83	82.56	65	83	1747.0				
45.00		0.6250	50.550	99.538	31342.7	14.50	80.88	65	83	1711.3				
45.42	Bot - Section 2	0.6250	50.462	99.363	31178.2	14.47	80.74	65	83	141.0				
48.90	RB1	0.6250	49.731	97.905	29825.3	14.24	79.57	65	83	2125.7	43.50	14933.2	14933.2	487.8
50.00		0.6250	49.500	97.444	29406.4	14.16	79.20	65	83	664.8	43.50	14802.3	14802.3	154.0
52.75	Top - Section 1	0.5000	49.922	78.829	24324.6	18.27	99.84	65	82	1648.4	43.50	14477.5	14477.5	385.1
55.00		0.5000	49.450	78.075	23633.6	18.08	98.90	65	82	600.6	43.50	14214.5	14214.5	315.1
57.15	RT1	0.5000	48.998	77.355	22985.6	17.90	98.00	65	82	568.6	43.50	13965.4	13965.4	301.1
60.00		0.5000	48.400	76.400	22145.1	17.66	96.80	65	83	745.6				
65.00		0.5000	47.350	74.725	20720.5	17.25	94.70	65	83	1285.6				
70.00		0.5000	46.300	73.051	19358.3	16.83	92.60	65	83	1257.1				
75.00		0.5000	45.250	71.376	18057.1	16.41	90.50	65	83	1228.6				
80.00		0.5000	44.200	69.701	16815.6	15.99	88.40	65	83	1200.1				
84.00	Bot - Section 3	0.5000	43.360	68.361	15864.5	15.66	86.72	65	83	939.6				
85.00		0.5000	43.150	68.026	15632.4	15.57	86.30	65	83	409.6				
87.00	RB2	0.5000	42.730	67.356	15175.1	15.41	85.46	65	83	813.3	39.00	9935.3	9935.3	265.4
90.00		0.5000	42.100	66.352	14506.0	15.16	84.20	65	83	1205.0	39.00	9661.0	9661.0	398.2
90.42	Top - Section 2	0.3750	42.762	50.706	11509.1	21.09	114.03	65	79	165.9	39.00	9623.2	9623.2	55.3
95.00		0.3750	41.800	49.554	10742.8	20.58	111.47	65	79	781.8	39.00	9212.3	9212.3	608.3
100.00		0.3750	40.750	48.298	9946.4	20.02	108.67	65	80	832.4	39.00	8774.4	8774.4	663.6
105.00		0.3750	39.700	47.042	9190.4	19.47	105.87	65	81	811.1	39.00	8347.2	8347.2	663.6
109.50		0.3750	38.755	45.912	8543.6	18.97	103.35	65	81	711.7	39.00	7972.0	7972.0	597.2
110.00		0.3750	38.650	45.786	8473.7	18.91	103.07	65	81	78.0	39.00	7930.8	7930.8	66.4
112.25	RT2	0.3750	38.177	45.221	8163.7	18.66	101.81	65	81	348.4	39.00	7746.9	7746.9	298.6
115.00		0.3750	37.600	44.530	7795.3	18.35	100.27	65	82	419.9				
120.00		0.3750	36.550	43.274	7154.0	17.80	97.47	65	82	746.9				
123.58	Bot - Section 4	0.3750	35.797	42.374	6716.8	17.40	95.46	65	83	522.2				
125.00		0.3750	35.500	42.018	6549.0	17.24	94.67	65	83	358.8				
125.60	RB3	0.3750	35.374	41.867	6478.8	17.17	94.33	65	83	151.1	28.50	5022.2	5022.2	58.2
129.00	Top - Section 3	0.2813	35.222	31.349	4835.0	23.32	125.23	65	76	845.8	28.50	4833.6	4833.6	329.7
130.00		0.2813	35.012	31.160	4748.4	23.17	124.49	65	76	106.4	28.50	4778.8	4778.8	97.0
135.00		0.2813	33.962	30.218	4330.6	22.43	120.75	65	77	522.1	28.50	4509.5	4509.5	484.9
136.26	RT3	0.2813	33.698	29.981	4229.3	22.24	119.81	65	77	129.1	28.50	4442.9	4442.9	122.2
140.00		0.2813	32.912	29.276	3938.1	21.69	117.02	65	78	377.1				
145.00		0.2813	31.862	28.334	3570.0	20.94	113.29	65	79	490.1				
150.00		0.2813	30.812	27.392	3225.6	20.20	109.55	65	80	474.1				
155.00		0.2813	29.762	26.450	2904.1	19.46	105.82	65	81	458.0				
160.00		0.2813	28.712	25.508	2604.8	18.72	102.09	65	81	442.0				
161.50		0.2813	28.397	25.225	2519.1	18.49	100.97	65	82	129.5				
165.00		0.2813	27.662	24.566	2326.7	17.97	98.35	65	82	296.5				
165.25	Bot - Section 5	0.2813	27.610	24.519	2313.3	17.94	98.17	65	82	20.9				
169.58	Top - Section 4	0.1875	27.075	16.082	1468.7	27.13	144.40	65	72	596.7				

Increment Length: 5 (ft)

Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fy (ksi)	Fb (ksi)	Weight (lb)	Additional Reinforcing Area (in^2)	Additional Reinforcing Ixp (in^4)	Additional Reinforcing Iyp (in^4)	Additional Reinforcing Weight (lb)
170.00		0.1875	26.987	16.029	1454.4	27.04	143.93	65	72	22.8				
175.00		0.1875	25.937	15.401	1290.1	25.92	138.33	65	73	267.4				
180.00		0.1875	24.887	14.773	1138.6	24.81	132.73	65	74	256.7				
185.00		0.1875	23.837	14.145	999.5	23.70	127.13	65	76	246.0				
187.00		0.1875	23.417	13.894	947.2	23.25	124.89	65	76	95.4				
190.00		0.1875	22.787	13.517	872.2	22.58	121.53	65	77	139.9				
191.50		0.1875	22.472	13.329	836.2	22.25	119.85	65	77	68.5				
195.00		0.1875	21.737	12.889	756.2	21.47	115.93	65	78	156.1				
196.00		0.1875	21.527	12.764	734.3	21.25	114.81	65	79	43.6				
									Total Weight	**43630.8**				**6351.7**

Wind Loading - Shaft

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 10	

Load Case: 1.2D + 1.6W 93 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60

Iterations 27

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.85	17.879	19.67	437.11	0.750	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	17.879	19.67	429.46	0.750	0.000	5.00	25.267	18.95	596.3	0.0	2395.5
10.00		1.00	0.85	17.879	19.67	421.81	0.750	0.000	5.00	24.821	18.62	585.8	0.0	2352.8
15.00		1.00	0.85	17.879	19.67	414.16	0.750	0.000	5.00	24.375	18.28	575.3	0.0	2310.0
20.00		1.00	0.90	18.971	20.87	418.73	0.750	0.000	5.00	23.929	17.95	599.2	0.0	2267.3
25.00		1.00	0.95	19.883	21.87	420.62	0.750	0.000	5.00	23.482	17.61	616.3	0.0	2224.6
30.00		1.00	0.98	20.661	22.73	420.55	0.750	0.000	5.00	23.036	17.28	628.3	0.0	2181.8
35.00		1.00	1.01	21.343	23.48	419.07	0.750	0.000	5.00	22.590	16.94	636.4	0.0	2139.1
40.00		1.00	1.04	21.951	24.15	416.52	0.750	0.000	5.00	22.144	16.61	641.6	0.0	2096.3
45.00		1.00	1.07	22.502	24.75	413.14	0.750	0.000	5.00	21.698	16.27	644.5	0.0	2053.6
45.42	Bot - Section 2	1.00	1.07	22.546	24.80	412.82	0.750	0.000	0.42	1.788	1.34	53.2	0.0	169.2
48.90	RB1	1.00	1.09	22.899	25.19	410.02	0.750	0.000	3.48	15.123	11.34	457.1	0.0	2550.8
50.00		1.00	1.09	23.007	25.31	409.07	0.750	0.000	1.10	4.731	3.55	143.7	0.0	797.8
52.75	Top - Section 1	1.00	1.11	23.268	25.59	406.58	0.750	0.000	2.75	11.732	8.80	360.3	0.0	1978.1
55.00		1.00	1.12	23.473	25.82	412.78	0.750	0.000	2.25	9.499	7.12	294.3	0.0	720.8
57.15	RT1	1.00	1.12	23.663	26.03	410.66	0.750	0.000	2.15	8.992	6.74	280.9	0.0	682.3
60.00		1.00	1.14	23.907	26.30	407.73	0.750	0.000	2.85	11.793	8.84	372.1	0.0	894.7
65.00		1.00	1.16	24.313	26.74	402.26	0.750	0.000	5.00	20.339	15.25	652.7	0.0	1542.7
70.00		1.00	1.17	24.696	27.17	396.42	0.750	0.000	5.00	19.893	14.92	648.5	0.0	1508.5
75.00		1.00	1.19	25.057	27.56	390.25	0.750	0.000	5.00	19.446	14.58	643.2	0.0	1474.4
80.00		1.00	1.21	25.400	27.94	383.79	0.750	0.000	5.00	19.000	14.25	637.0	0.0	1440.2
84.00	Bot - Section 3	1.00	1.22	25.662	28.23	378.44	0.750	0.000	4.00	14.879	11.16	504.0	0.0	1127.5
85.00		1.00	1.22	25.726	28.30	377.08	0.750	0.000	1.00	3.739	2.80	127.0	0.0	491.6
87.00	RB2	1.00	1.23	25.852	28.44	374.32	0.750	0.000	2.00	7.424	5.57	253.4	0.0	976.0
90.00		1.00	1.24	26.037	28.64	370.12	0.750	0.000	3.00	11.003	8.25	378.2	0.0	1446.0
90.42	Top - Section 2	1.00	1.24	26.063	28.67	369.53	0.750	0.000	0.42	1.515	1.14	52.1	0.0	199.1
95.00		1.00	1.25	26.336	28.97	369.58	0.750	0.000	4.58	16.465	12.35	572.4	0.0	938.2
100.00	Appurtenance(s)	1.00	1.27	26.621	29.28	362.25	0.750	0.000	5.00	17.535	13.15	616.2	0.0	998.9
105.00		1.00	1.28	26.896	29.59	354.73	0.750	0.000	5.00	17.089	12.82	606.7	0.0	973.3
109.50	Appurtenance(s)	1.00	1.29	27.135	29.85	347.82	0.750	0.000	4.50	14.998	11.25	537.2	0.0	854.0
110.00		1.00	1.29	27.161	29.88	347.04	0.750	0.000	0.50	1.644	1.23	58.9	0.0	93.6
112.25	RT2	1.00	1.30	27.277	30.00	343.53	0.750	0.000	2.25	7.344	5.51	264.4	0.0	418.1
115.00		1.00	1.30	27.416	30.16	339.20	0.750	0.000	2.75	8.853	6.64	320.4	0.0	503.9
120.00		1.00	1.32	27.663	30.43	331.21	0.750	0.000	5.00	15.750	11.81	575.1	0.0	896.3
123.58	Bot - Section 4	1.00	1.32	27.835	30.62	325.39	0.750	0.000	3.58	11.013	8.26	404.7	0.0	626.6
125.00		1.00	1.33	27.902	30.69	323.08	0.750	0.000	1.42	4.359	3.27	160.5	0.0	430.6
125.60	RB3	1.00	1.33	27.930	30.72	322.09	0.750	0.000	0.60	1.835	1.38	67.7	0.0	181.3
129.00	Top - Section 3	1.00	1.34	28.088	30.90	316.48	0.750	0.000	3.40	10.278	7.71	381.1	0.0	1015.0
130.00	Appurtenance(s)	1.00	1.34	28.133	30.95	319.96	0.750	0.000	1.00	2.984	2.24	110.8	0.0	127.6
135.00		1.00	1.35	28.358	31.19	311.60	0.750	0.000	5.00	14.651	10.99	548.4	0.0	626.6
136.26	RT3	1.00	1.35	28.413	31.25	309.47	0.750	0.000	1.26	3.622	2.72	135.8	0.0	154.9
140.00		1.00	1.36	28.576	31.43	303.12	0.750	0.000	3.74	10.583	7.94	399.2	0.0	452.5
145.00		1.00	1.37	28.788	31.67	294.54	0.750	0.000	5.00	13.759	10.32	522.8	0.0	588.1
150.00		1.00	1.38	28.994	31.89	285.85	0.750	0.000	5.00	13.313	9.98	509.5	0.0	568.9
155.00	Appurtenance(s)	1.00	1.39	29.195	32.11	277.06	0.750	0.000	5.00	12.867	9.65	495.8	0.0	549.6
160.00		1.00	1.40	29.390	32.33	268.18	0.751 *	0.000	5.00	12.421	9.33	482.8	0.0	530.4
161.50	Appurtenance(s)	1.00	1.40	29.448	32.39	265.50	0.757 *	0.000	1.50	3.639	2.75	142.8	0.0	155.4

Wind Loading - Shaft

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 11	

165.00	1.00	1.41	29.581	32.54	259.21	0.761 *	0.000	3.50	8.335	6.34	330.3	0.0	355.8
165.25 Bot - Section 5	1.00	1.41	29.591	32.55	258.76	0.765 *	0.000	0.25	0.587	0.45	23.4	0.0	25.1
169.58 Top - Section 4	1.00	1.41	29.753	32.73	250.92	0.769 *	0.000	4.33	10.136	7.79	408.1	0.0	716.0
170.00	1.00	1.42	29.768	32.74	253.68	0.770 *	0.000	0.42	0.957	0.74	38.6	0.0	27.3
175.00 Appurtenance(s)	1.00	1.42	29.950	32.95	244.56	0.775 *	0.000	5.00	11.242	8.71	459.4	0.0	320.9
180.00	1.00	1.43	30.128	33.14	235.35	0.750	0.000	5.00	10.796	8.10	429.3	0.0	308.0
185.00 Appurtenance(s)	1.00	1.44	30.303	33.33	226.08	0.750	0.000	5.00	10.350	7.76	414.0	0.0	295.2
187.00 Appurtenance(s)	1.00	1.44	30.371	33.41	222.34	0.750	0.000	2.00	4.015	3.01	161.0	0.0	114.5
190.00	1.00	1.45	30.473	33.52	216.73	0.750	0.000	3.00	5.889	4.42	236.9	0.0	167.9
191.50 Appurtenance(s)	1.00	1.45	30.524	33.58	213.91	0.750	0.000	1.50	2.884	2.16	116.2	0.0	82.2
195.00	1.00	1.46	30.640	33.70	207.30	0.750	0.000	3.50	6.573	4.93	265.9	0.0	187.4
196.00 Appurtenance(s)	1.00	1.46	30.673	33.74	205.41	0.750	0.000	1.00	1.838	1.38	74.4	0.0	52.4
							Totals:	**196.00**			**22,252.0**		**52,356.9**

* CfA djusted byL inear Load RaE ffect

Discrete Appurtenance Forces

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 12	

Tower Engineering Solutions

Load Case: 1.2D + 1.6W 93 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60

Iterations 27

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	196.00	6' Lightning rod	1	30.673	33.741	1.00	1.00	0.38	7.80	0.000	0.000	20.51	0.00	0.00
2	191.50	APXVTM14-C-120	3	30.524	33.576	0.68	0.80	12.93	201.60	0.000	0.000	694.81	0.00	0.00
3	191.50	APXVSPP18-C-A20	3	30.524	33.576	0.66	0.80	15.98	205.20	0.000	0.000	858.25	0.00	0.00
4	191.50	800MHz - RRU	3	30.524	33.576	0.54	0.80	4.00	190.80	0.000	0.000	215.10	0.00	0.00
5	191.50	1900MHz - RRU	3	30.524	33.576	0.54	0.80	6.11	158.40	0.000	0.000	328.26	0.00	0.00
6	191.50	RRH8x20-25 - RRU	3	30.524	33.576	0.54	0.80	6.51	252.00	0.000	0.000	349.86	0.00	0.00
7	191.50	800MHz Filter	3	30.524	33.576	0.54	0.80	1.25	31.68	0.000	0.000	67.38	0.00	0.00
8	191.50	ACU-A20-N - RET	4	30.524	33.576	0.60	0.80	0.34	4.80	0.000	0.000	18.05	0.00	0.00
9	191.50	Low Profile Platform	1	30.524	33.576	1.00	1.00	22.00	1800.00	0.000	0.000	1181.88	0.00	0.00
10	187.00	Pipe mount	1	30.371	33.408	0.56	0.75	1.48	48.00	0.000	0.000	79.08	0.00	0.00
11	187.00	BA80-41-DIN	1	30.717	33.789	1.00	1.00	9.40	81.60	0.000	10.333	508.18	0.00	5251.23
12	185.00	CBC23SR-43	3	30.303	33.333	0.52	0.75	0.66	17.64	0.000	0.000	35.28	0.00	0.00
13	185.00	MT6407-77A	3	30.303	33.333	0.52	0.75	7.39	285.84	0.000	0.000	393.95	0.00	0.00
14	185.00	RFV01U-D2A	3	30.303	33.333	0.58	0.75	3.30	253.08	0.000	0.000	175.97	0.00	0.00
15	185.00	JAHH-65C-R3B-V2	6	30.303	33.333	0.62	0.75	47.85	577.44	0.000	0.000	2551.71	0.00	0.00
16	185.00	Low Profile	1	30.303	33.333	0.00	1.00	22.00	1800.00	0.000	0.000	1173.31	0.00	0.00
17	185.00	RFV01U-D1A	3	30.303	33.333	0.62	0.75	3.51	303.84	0.000	0.000	187.24	0.00	0.00
18	185.00	DB-C1-12C-24AB-0Z	1	30.303	33.333	0.75	0.75	3.04	38.40	0.000	0.000	162.40	0.00	0.00
19	185.00	HRK12-HD	1	30.303	33.333	0.75	1.00	9.00	487.93	0.000	0.000	479.99	0.00	0.00
20	185.00	BXA-70063 6CF_2	3	30.303	33.333	0.61	0.75	13.97	61.20	0.000	0.000	744.88	0.00	0.00
21	175.00	Low Profile Platform	1	29.950	32.945	1.00	1.00	22.00	1800.00	0.000	0.000	1159.67	0.00	0.00
22	175.00	Powerwave LGP21401	12	29.950	32.945	0.75	0.75	11.61	203.04	0.000	0.000	611.99	0.00	0.00
23	175.00	Powerwave LGP13519	12	29.950	32.945	0.75	0.75	3.06	76.32	0.000	0.000	161.30	0.00	0.00
24	175.00	Ericsson RRUS 4449	3	29.950	32.945	0.50	0.75	2.97	255.60	0.000	0.000	156.54	0.00	0.00
25	175.00	Kathrein 800-10965	6	29.950	32.945	0.53	0.75	44.12	781.92	0.000	0.000	2325.82	0.00	0.00
26	175.00	Powerwave 7770	3	29.950	32.945	0.68	0.80	11.22	126.00	0.000	0.000	591.43	0.00	0.00
27	175.00	RRUS-12	3	29.950	32.945	0.54	0.80	4.34	180.00	0.000	0.000	228.86	0.00	0.00
28	175.00	DC6-48-60-18-8F	1	29.950	32.945	0.80	0.80	0.74	39.36	0.000	0.000	38.80	0.00	0.00
29	175.00	Ericsson RRUS 4478 B14	3	29.950	32.945	0.50	0.75	2.49	213.84	0.000	0.000	131.11	0.00	0.00
30	175.00	HRK12 (Handrail Kit)	1	29.950	32.945	1.00	1.00	6.75	314.06	0.000	0.000	355.81	0.00	0.00
31	175.00	Raycap	2	29.950	32.945	1.00	1.00	9.56	38.40	0.000	0.000	503.93	0.00	0.00
32	175.00	Ericsson RRUS 32 B30	3	29.950	32.945	0.50	0.75	4.13	216.00	0.000	0.000	217.73	0.00	0.00
33	161.50	Low Profile Platform	1	29.448	32.393	1.00	1.00	22.00	1800.00	0.000	0.000	1140.23	0.00	0.00
34	155.00	APXVAARR24_43-U-NA2	3	29.195	32.114	0.56	0.80	34.00	460.80	0.000	0.000	1747.17	0.00	0.00
35	155.00	Radio 4449 B71 + B12	3	29.195	32.114	0.54	0.80	3.17	255.60	0.000	0.000	162.77	0.00	0.00
36	155.00	AIR 21 B4A/B2P	3	29.195	32.114	0.66	0.80	12.13	325.08	0.000	0.000	623.33	0.00	0.00
37	155.00	AIR 21 B2A/B4P	3	29.195	32.114	0.66	0.80	12.13	329.40	0.000	0.000	623.33	0.00	0.00
38	155.00	KRY 112 114 TMA	3	29.195	32.114	0.54	0.80	0.66	39.60	0.000	0.000	33.88	0.00	0.00
39	155.00	T-Arms w/ Handrail kit &	3	29.195	32.114	0.56	0.75	29.53	1800.00	0.000	0.000	1517.39	0.00	0.00
40	130.00	ANT150F2	1	28.246	31.071	1.00	1.00	1.23	15.60	0.000	2.500	61.15	0.00	152.87
41	130.00	Standoff	1	28.133	30.947	0.56	0.75	1.48	48.00	0.000	0.000	73.25	0.00	0.00
42	109.50	Standoff	1	27.135	29.849	0.56	0.75	1.48	48.00	0.000	0.000	70.65	0.00	0.00
43	109.50	Standoff	5	27.135	29.849	0.56	0.75	7.40	240.00	0.000	0.000	353.26	0.00	0.00
44	109.50	4' Omni	1	27.239	29.962	1.00	1.00	1.00	12.00	0.000	2.000	47.94	0.00	95.88
45	109.50	14' Omni	5	27.491	30.240	1.00	1.00	21.00	240.00	0.000	7.000	1016.08	0.00	7112.56
46	100.00	Standoff	1	26.621	29.284	0.56	0.75	1.48	48.00	0.000	0.000	69.31	0.00	0.00
47	100.00	MPRD	1	26.621	29.284	1.00	1.00	6.10	43.20	0.000	0.000	285.81	0.00	0.00

Discrete Appurtenance Forces

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 13	

Totals:	**16,757.08**	**24,534.62**

Total Applied Force Summary

Structure:	CT46138-A-SBA		**Code:**	EIA/TIA-222-G	8/9/2021
Site Name:	Torrington/Oandg Ind Inc		**Exposure:**	C	
Height:	196.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 14

Tower Engineering Solutions

Load Case: 1.2D + 1.6W 93 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60

Iterations 27

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		596.31	2751.85	0.00	0.00
10.00		585.78	2709.11	0.00	0.00
15.00		575.25	2666.36	0.00	0.00
20.00		599.20	2623.62	0.00	0.00
25.00		616.31	2580.88	0.00	0.00
30.00		628.26	2538.14	0.00	0.00
35.00		636.42	2495.40	0.00	0.00
40.00		641.64	2452.66	0.00	0.00
45.00		644.50	2409.92	0.00	0.00
45.42		53.21	198.90	0.00	0.00
48.90		457.12	2799.03	0.00	0.00
50.00		143.67	876.15	0.00	0.00
52.75		360.33	2174.08	0.00	0.00
55.00		294.31	881.12	0.00	0.00
57.15		280.87	835.49	0.00	0.00
60.00		372.14	1097.76	0.00	0.00
65.00		652.74	1899.06	0.00	0.00
70.00		648.46	1864.86	0.00	0.00
75.00		643.20	1830.67	0.00	0.00
80.00		637.04	1796.48	0.00	0.00
84.00		504.02	1412.56	0.00	0.00
85.00		126.97	562.84	0.00	0.00
87.00		253.35	1118.50	0.00	0.00
90.00		378.15	1659.80	0.00	0.00
90.42		52.14	228.82	0.00	0.00
95.00		572.38	1264.82	0.00	0.00
100.00	(2) attachments	971.30	1446.43	0.00	0.00
105.00		606.70	1329.34	0.00	0.00
109.50	(12) attachments	2025.14	1714.48	0.00	7208.44
110.00		58.95	128.64	0.00	0.00
112.25		264.41	575.71	0.00	0.00
115.00		320.38	696.59	0.00	0.00
120.00		575.13	1246.65	0.00	0.00
123.58		404.66	877.66	0.00	0.00
125.00		160.53	529.82	0.00	0.00
125.60		67.66	223.31	0.00	0.00
129.00		381.07	1253.21	0.00	0.00
130.00	(2) attachments	245.20	261.29	0.00	152.87
135.00		548.43	973.77	0.00	0.00
136.26		135.83	242.35	0.00	0.00
140.00		399.20	712.18	0.00	0.00
145.00		522.84	935.30	0.00	0.00
150.00		509.51	878.62	0.00	0.00
155.00	(18) attachments	5203.72	4069.87	0.00	0.00
160.00		482.79	757.60	0.00	0.00
161.50	(1) attachments	1282.99	2023.53	0.00	0.00

Total Applied Force Summary

Structure:	CT46138-A-SBA		**Code:**	EIA/TIA-222-G	8/9/2021
Site Name:	Torrington/Oandg Ind Inc		**Exposure:**	C	
Height:	196.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 15

Tower Engineering Solutions

165.00		330.33	514.83	0.00	0.00
165.25		23.37	36.41	0.00	0.00
169.58		408.05	912.90	0.00	0.00
170.00		38.60	46.25	0.00	0.00
175.00	(50) attachments	6942.34	4792.60	0.00	0.00
180.00		429.34	415.53	0.00	0.00
185.00	(24) attachments	6318.72	4228.08	0.00	0.00
187.00	(2) attachments	748.22	269.48	0.00	5251.23
190.00		236.87	204.10	0.00	0.00
191.50	(23) attachments	3829.79	2944.80	0.00	0.00
195.00		265.86	187.35	0.00	0.00
196.00	(1) attachments	94.93	60.17	0.00	0.00
	Totals:	**46,786.67**	**81,217.72**	**0.00**	**12,612.53**

Linear Appurtenance Segment Forces (Factored)

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 16	

Load Case: 1.2D + 1.6W 93 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60

Iterations 27

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
5.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.058	0.000	17.879	0.00	19.32
5.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.058	0.000	17.879	0.00	9.66
5.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.058	0.000	17.879	0.00	3.12
10.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.059	0.000	17.879	0.00	19.32
10.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.059	0.000	17.879	0.00	9.66
10.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.059	0.000	17.879	0.00	3.12
15.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.060	0.000	17.879	0.00	19.32
15.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.060	0.000	17.879	0.00	9.66
15.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.060	0.000	17.879	0.00	3.12
20.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.061	0.000	18.971	0.00	19.32
20.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.061	0.000	18.971	0.00	9.66
20.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.061	0.000	18.971	0.00	3.12
25.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.062	0.000	19.883	0.00	19.32
25.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.062	0.000	19.883	0.00	9.66
25.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.062	0.000	19.883	0.00	3.12
30.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.064	0.000	20.661	0.00	19.32
30.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.064	0.000	20.661	0.00	9.66
30.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.064	0.000	20.661	0.00	3.12
35.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.065	0.000	21.343	0.00	19.32
35.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.065	0.000	21.343	0.00	9.66
35.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.065	0.000	21.343	0.00	3.12
40.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.066	0.000	21.951	0.00	19.32
40.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.066	0.000	21.951	0.00	9.66
40.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.066	0.000	21.951	0.00	3.12
45.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.068	0.000	22.502	0.00	19.32
45.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.068	0.000	22.502	0.00	9.66
45.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.068	0.000	22.502	0.00	3.12
45.42	2" Conduit	Yes	0.42	0.000	0.00	0.00	0.00	0.068	0.000	22.546	0.00	1.61
45.42	3" Conduit	Yes	0.42	0.000	3.00	0.10	0.00	0.068	0.000	22.546	0.00	0.81
45.42	7/8" Coax	Yes	0.42	0.000	0.52	0.02	0.00	0.068	0.000	22.546	0.00	0.26
48.90	2" Conduit	Yes	3.48	0.000	0.00	0.00	0.00	0.069	0.000	22.899	0.00	13.46
48.90	3" Conduit	Yes	3.48	0.000	3.00	0.87	0.00	0.069	0.000	22.899	0.00	6.73
48.90	7/8" Coax	Yes	3.48	0.000	0.52	0.15	0.00	0.069	0.000	22.899	0.00	2.17
50.00	2" Conduit	Yes	1.10	0.000	0.00	0.00	0.00	0.070	0.000	23.007	0.00	4.25
50.00	3" Conduit	Yes	1.10	0.000	3.00	0.28	0.00	0.070	0.000	23.007	0.00	2.13
50.00	7/8" Coax	Yes	1.10	0.000	0.52	0.05	0.00	0.070	0.000	23.007	0.00	0.69
52.75	2" Conduit	Yes	2.75	0.000	0.00	0.00	0.00	0.070	0.000	23.268	0.00	10.63
52.75	3" Conduit	Yes	2.75	0.000	3.00	0.69	0.00	0.070	0.000	23.268	0.00	5.31
52.75	7/8" Coax	Yes	2.75	0.000	0.52	0.12	0.00	0.070	0.000	23.268	0.00	1.72
55.00	2" Conduit	Yes	2.25	0.000	0.00	0.00	0.00	0.069	0.000	23.473	0.00	8.69
55.00	3" Conduit	Yes	2.25	0.000	3.00	0.56	0.00	0.069	0.000	23.473	0.00	4.35
55.00	7/8" Coax	Yes	2.25	0.000	0.52	0.10	0.00	0.069	0.000	23.473	0.00	1.40
57.15	2" Conduit	Yes	2.15	0.000	0.00	0.00	0.00	0.070	0.000	23.663	0.00	8.31
57.15	3" Conduit	Yes	2.15	0.000	3.00	0.54	0.00	0.070	0.000	23.663	0.00	4.15
57.15	7/8" Coax	Yes	2.15	0.000	0.52	0.09	0.00	0.070	0.000	23.663	0.00	1.34
60.00	2" Conduit	Yes	2.85	0.000	0.00	0.00	0.00	0.071	0.000	23.907	0.00	11.01
60.00	3" Conduit	Yes	2.85	0.000	3.00	0.71	0.00	0.071	0.000	23.907	0.00	5.51

Linear Appurtenance Segment Forces (Factored)

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 17	

Load Case: 1.2D + 1.6W 93 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60

Iterations 27

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
60.00	7/8" Coax	Yes	2.85	0.000	0.52	0.12	0.00	0.071	0.000	23.907	0.00	1.78
65.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.072	0.000	24.313	0.00	19.32
65.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.072	0.000	24.313	0.00	9.66
65.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.072	0.000	24.313	0.00	3.12
70.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.074	0.000	24.696	0.00	19.32
70.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.074	0.000	24.696	0.00	9.66
70.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.074	0.000	24.696	0.00	3.12
75.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.075	0.000	25.057	0.00	19.32
75.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.075	0.000	25.057	0.00	9.66
75.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.075	0.000	25.057	0.00	3.12
80.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.077	0.000	25.400	0.00	19.32
80.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.077	0.000	25.400	0.00	9.66
80.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.077	0.000	25.400	0.00	3.12
84.00	2" Conduit	Yes	4.00	0.000	0.00	0.00	0.00	0.079	0.000	25.662	0.00	15.46
84.00	3" Conduit	Yes	4.00	0.000	3.00	1.00	0.00	0.079	0.000	25.662	0.00	7.73
84.00	7/8" Coax	Yes	4.00	0.000	0.52	0.17	0.00	0.079	0.000	25.662	0.00	2.50
85.00	2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	0.080	0.000	25.726	0.00	3.86
85.00	3" Conduit	Yes	1.00	0.000	3.00	0.25	0.00	0.080	0.000	25.726	0.00	1.93
85.00	7/8" Coax	Yes	1.00	0.000	0.52	0.04	0.00	0.080	0.000	25.726	0.00	0.62
87.00	2" Conduit	Yes	2.00	0.000	0.00	0.00	0.00	0.080	0.000	25.852	0.00	7.73
87.00	3" Conduit	Yes	2.00	0.000	3.00	0.50	0.00	0.080	0.000	25.852	0.00	3.86
87.00	7/8" Coax	Yes	2.00	0.000	0.52	0.09	0.00	0.080	0.000	25.852	0.00	1.25
90.00	2" Conduit	Yes	3.00	0.000	0.00	0.00	0.00	0.081	0.000	26.037	0.00	11.59
90.00	3" Conduit	Yes	3.00	0.000	3.00	0.75	0.00	0.081	0.000	26.037	0.00	5.80
90.00	7/8" Coax	Yes	3.00	0.000	0.52	0.13	0.00	0.081	0.000	26.037	0.00	1.87
90.42	2" Conduit	Yes	0.42	0.000	0.00	0.00	0.00	0.082	0.000	26.063	0.00	1.61
90.42	3" Conduit	Yes	0.42	0.000	3.00	0.10	0.00	0.082	0.000	26.063	0.00	0.81
90.42	7/8" Coax	Yes	0.42	0.000	0.52	0.02	0.00	0.082	0.000	26.063	0.00	0.26
95.00	2" Conduit	Yes	4.58	0.000	0.00	0.00	0.00	0.082	0.000	26.336	0.00	17.71
95.00	3" Conduit	Yes	4.58	0.000	3.00	1.15	0.00	0.082	0.000	26.336	0.00	8.85
95.00	7/8" Coax	Yes	4.58	0.000	0.52	0.20	0.00	0.082	0.000	26.336	0.00	2.86
100.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.084	0.000	26.621	0.00	19.32
100.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.084	0.000	26.621	0.00	9.66
100.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.084	0.000	26.621	0.00	3.12
105.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.086	0.000	26.896	0.00	19.32
105.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.086	0.000	26.896	0.00	9.66
105.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.086	0.000	26.896	0.00	3.12
109.50	2" Conduit	Yes	4.50	0.000	0.00	0.00	0.00	0.088	0.000	27.135	0.00	17.39
109.50	3" Conduit	Yes	4.50	0.000	3.00	1.13	0.00	0.088	0.000	27.135	0.00	8.69
109.50	7/8" Coax	Yes	4.50	0.000	0.52	0.20	0.00	0.088	0.000	27.135	0.00	2.81
110.00	2" Conduit	Yes	0.50	0.000	0.00	0.00	0.00	0.089	0.000	27.161	0.00	1.93
110.00	3" Conduit	Yes	0.50	0.000	3.00	0.13	0.00	0.089	0.000	27.161	0.00	0.97
110.00	7/8" Coax	Yes	0.50	0.000	0.52	0.02	0.00	0.089	0.000	27.161	0.00	0.31
112.25	2" Conduit	Yes	2.25	0.000	0.00	0.00	0.00	0.090	0.000	27.277	0.00	8.69
112.25	3" Conduit	Yes	2.25	0.000	3.00	0.56	0.00	0.090	0.000	27.277	0.00	4.35
112.25	7/8" Coax	Yes	2.25	0.000	0.52	0.10	0.00	0.090	0.000	27.277	0.00	1.40
115.00	2" Conduit	Yes	2.75	0.000	0.00	0.00	0.00	0.091	0.000	27.416	0.00	10.63

Linear Appurtenance Segment Forces (Factored)

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 18	

Tower Engineering Solutions

Load Case: 1.2D + 1.6W 93 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60

Iterations 27

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
115.00	3" Conduit	Yes	2.75	0.000	3.00	0.69	0.00	0.091	0.000	27.416	0.00	5.31
115.00	7/8" Coax	Yes	2.75	0.000	0.52	0.12	0.00	0.091	0.000	27.416	0.00	1.72
120.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.093	0.000	27.663	0.00	19.32
120.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.093	0.000	27.663	0.00	9.66
120.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.093	0.000	27.663	0.00	3.12
123.58	2" Conduit	Yes	3.58	0.000	0.00	0.00	0.00	0.095	0.000	27.835	0.00	13.85
123.58	3" Conduit	Yes	3.58	0.000	3.00	0.90	0.00	0.095	0.000	27.835	0.00	6.92
123.58	7/8" Coax	Yes	3.58	0.000	0.52	0.16	0.00	0.095	0.000	27.835	0.00	2.24
125.00	2" Conduit	Yes	1.42	0.000	0.00	0.00	0.00	0.097	0.000	27.902	0.00	5.47
125.00	3" Conduit	Yes	1.42	0.000	3.00	0.35	0.00	0.097	0.000	27.902	0.00	2.74
125.00	7/8" Coax	Yes	1.42	0.000	0.52	0.06	0.00	0.097	0.000	27.902	0.00	0.88
125.60	2" Conduit	Yes	0.60	0.000	0.00	0.00	0.00	0.097	0.000	27.930	0.00	2.32
125.60	3" Conduit	Yes	0.60	0.000	3.00	0.15	0.00	0.097	0.000	27.930	0.00	1.16
125.60	7/8" Coax	Yes	0.60	0.000	0.52	0.03	0.00	0.097	0.000	27.930	0.00	0.37
129.00	2" Conduit	Yes	3.40	0.000	0.00	0.00	0.00	0.099	0.000	28.088	0.00	13.14
129.00	3" Conduit	Yes	3.40	0.000	3.00	0.85	0.00	0.099	0.000	28.088	0.00	6.57
129.00	7/8" Coax	Yes	3.40	0.000	0.52	0.15	0.00	0.099	0.000	28.088	0.00	2.12
130.00	2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	0.098	0.000	28.133	0.00	3.86
130.00	3" Conduit	Yes	1.00	0.000	3.00	0.25	0.00	0.098	0.000	28.133	0.00	1.93
130.00	7/8" Coax	Yes	1.00	0.000	0.52	0.04	0.00	0.098	0.000	28.133	0.00	0.62
135.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.085	0.000	28.358	0.00	19.32
135.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.085	0.000	28.358	0.00	9.66
136.26	2" Conduit	Yes	1.26	0.000	0.00	0.00	0.00	0.087	0.000	28.413	0.00	4.87
136.26	3" Conduit	Yes	1.26	0.000	3.00	0.31	0.00	0.087	0.000	28.413	0.00	2.43
140.00	2" Conduit	Yes	3.74	0.000	0.00	0.00	0.00	0.088	0.000	28.576	0.00	14.45
140.00	3" Conduit	Yes	3.74	0.000	3.00	0.94	0.00	0.088	0.000	28.576	0.00	7.23
145.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.091	0.000	28.788	0.00	19.32
145.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.091	0.000	28.788	0.00	9.66
150.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.094	0.000	28.994	0.00	19.32
150.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.094	0.000	28.994	0.00	9.66
155.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.097	0.000	29.195	0.00	19.32
155.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.097	0.000	29.195	0.00	9.66
160.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.101	1.002	29.390	0.00	19.32
160.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.101	1.002	29.390	0.00	9.66
161.50	2" Conduit	Yes	1.50	0.000	0.00	0.00	0.00	0.103	1.009	29.448	0.00	5.80
161.50	3" Conduit	Yes	1.50	0.000	3.00	0.38	0.00	0.103	1.009	29.448	0.00	2.90
165.00	2" Conduit	Yes	3.50	0.000	0.00	0.00	0.00	0.105	1.015	29.581	0.00	13.52
165.00	3" Conduit	Yes	3.50	0.000	3.00	0.88	0.00	0.105	1.015	29.581	0.00	6.76
165.25	2" Conduit	Yes	0.25	0.000	0.00	0.00	0.00	0.106	1.019	29.591	0.00	0.97
165.25	3" Conduit	Yes	0.25	0.000	3.00	0.06	0.00	0.106	1.019	29.591	0.00	0.48
169.58	2" Conduit	Yes	4.33	0.000	0.00	0.00	0.00	0.108	1.025	29.753	0.00	16.74
169.58	3" Conduit	Yes	4.33	0.000	3.00	1.08	0.00	0.108	1.025	29.753	0.00	8.37
170.00	2" Conduit	Yes	0.42	0.000	0.00	0.00	0.00	0.109	1.027	29.768	0.00	1.61
170.00	3" Conduit	Yes	0.42	0.000	3.00	0.10	0.00	0.109	1.027	29.768	0.00	0.81
175.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.111	1.034	29.950	0.00	19.32
175.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.111	1.034	29.950	0.00	9.66

Linear Appurtenance Segment Forces (Factored)

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 19	

Load Case: 1.2D + 1.6W 93 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60

Iterations 27

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
										Totals:	**0.0**	**1,095.4**

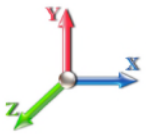
Calculated Forces

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 20	

Load Case: 1.2D + 1.6W 93 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



Iterations 27

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-81.14	-46.91	0.00	-6603.1	0.00	6603.17	8794.96	4397.48	21496.0	10671.5	0.00	0.000	0.000	0.628
5.00	-78.25	-46.55	0.00	-6368.6	0.00	6368.61	8639.43	4319.71	20738.5	10295.5	0.09	-0.175	0.000	0.628
10.00	-75.40	-46.19	0.00	-6135.8	0.00	6135.85	8483.89	4241.95	19994.7	9926.22	0.37	-0.353	0.000	0.627
15.00	-72.59	-45.83	0.00	-5904.9	0.00	5904.90	8328.36	4164.18	19264.4	9563.67	0.84	-0.534	0.000	0.626
20.00	-69.83	-45.43	0.00	-5675.7	0.00	5675.77	8172.83	4086.41	18547.7	9207.87	1.50	-0.718	0.000	0.625
25.00	-67.11	-44.99	0.00	-5448.6	0.00	5448.65	8017.29	4008.65	17844.6	8858.82	2.35	-0.905	0.000	0.624
30.00	-64.43	-44.54	0.00	-5223.6	0.00	5223.68	7861.76	3930.88	17155.1	8516.51	3.40	-1.095	0.000	0.622
35.00	-61.80	-44.06	0.00	-5001.0	0.00	5001.00	7706.22	3853.11	16479.1	8180.95	4.65	-1.288	0.000	0.619
40.00	-59.22	-43.56	0.00	-4780.7	0.00	4780.71	7550.69	3775.35	15816.8	7852.13	6.10	-1.484	0.000	0.617
45.00	-56.74	-42.96	0.00	-4562.9	0.00	4562.90	7395.16	3697.58	15168.0	7530.06	7.76	-1.683	0.000	0.614
45.42	-56.49	-42.98	0.00	-4545.0	0.00	4545.00	7382.20	3691.10	15114.6	7503.52	7.91	-1.701	0.000	0.614
48.90	-53.64	-42.51	0.00	-4395.3	0.00	4395.30	7273.84	3636.92	14671.4	7283.52	9.21	-1.843	0.000	0.407
50.00	-52.73	-42.39	0.00	-4348.5	0.00	4348.53	7239.62	3619.81	14532.8	7214.73	9.63	-1.873	0.000	0.406
52.75	-50.52	-42.02	0.00	-4231.9	0.00	4231.96	5810.43	2905.21	11825.7	5870.80	10.73	-1.949	0.000	0.414
55.00	-49.60	-41.75	0.00	-4137.4	0.00	4137.41	5769.82	2884.91	11629.7	5773.48	11.67	-2.012	0.000	0.453
57.15	-48.72	-41.51	0.00	-4047.6	0.00	4047.65	5730.75	2865.38	11443.3	5680.95	12.59	-2.078	0.000	0.449
57.15	-48.72	-41.51	0.00	-4047.6	0.00	4047.65	5730.75	2865.38	11443.3	5680.95	12.59	-2.078	0.000	0.449
60.00	-47.52	-41.23	0.00	-3929.3	0.00	3929.36	5678.55	2839.28	11197.7	5559.03	13.86	-2.165	0.000	0.715
65.00	-45.47	-40.70	0.00	-3723.1	0.00	3723.19	5551.73	2775.86	10705.1	5314.51	16.26	-2.411	0.000	0.709
70.00	-43.46	-40.16	0.00	-3519.6	0.00	3519.69	5427.30	2713.65	10228.2	5077.73	18.91	-2.660	0.000	0.701
75.00	-41.49	-39.61	0.00	-3318.8	0.00	3318.88	5302.88	2651.44	9762.15	4846.34	21.83	-2.911	0.000	0.693
80.00	-39.57	-39.04	0.00	-3120.8	0.00	3120.82	5178.45	2589.22	9306.93	4620.35	25.02	-3.165	0.000	0.683
84.00	-38.11	-38.54	0.00	-2964.6	0.00	2964.66	5078.91	2539.45	8950.59	4443.45	27.76	-3.371	0.000	0.675
85.00	-37.50	-38.43	0.00	-2926.1	0.00	2926.12	5054.02	2527.01	8862.59	4399.76	28.47	-3.424	0.000	0.673
87.00	-36.33	-38.18	0.00	-2849.2	0.00	2849.25	5004.25	2502.13	8687.89	4313.04	29.92	-3.529	0.000	0.404
90.00	-34.66	-37.73	0.00	-2734.7	0.00	2734.73	4929.59	2464.80	8429.11	4184.57	32.17	-3.624	0.000	0.397
90.42	-34.39	-37.71	0.00	-2719.0	0.00	2719.01	3591.78	1795.89	6277.53	3116.43	32.49	-3.637	0.000	0.423
95.00	-33.06	-37.15	0.00	-2546.1	0.00	2546.18	3535.98	1767.99	6038.44	2997.74	36.05	-3.780	0.000	0.463
100.00	-31.57	-36.18	0.00	-2360.4	0.00	2360.44	3473.75	1736.87	5780.45	2869.66	40.10	-3.955	0.000	0.442
105.00	-30.19	-35.56	0.00	-2179.5	0.00	2179.55	3410.09	1705.04	5525.58	2743.13	44.33	-4.127	0.000	0.422
109.50	-28.58	-33.46	0.00	-2012.3	0.00	2012.31	3351.58	1675.79	5299.03	2630.66	48.29	-4.280	0.000	0.401
110.00	-28.42	-33.42	0.00	-1995.5	0.00	1995.58	3345.00	1672.50	5274.03	2618.25	48.74	-4.298	0.000	0.399
112.25	-27.82	-33.15	0.00	-1920.4	0.00	1920.40	3315.25	1657.63	5161.96	2562.62	50.78	-4.374	0.000	0.389
112.25	-27.82	-33.15	0.00	-1920.4	0.00	1920.40	3315.25	1657.63	5161.96	2562.62	50.78	-4.374	0.000	0.389
115.00	-27.03	-32.88	0.00	-1829.2	0.00	1829.24	3278.49	1639.25	5025.98	2495.11	53.32	-4.466	0.000	0.742
120.00	-25.68	-32.32	0.00	-1664.8	0.00	1664.86	3210.56	1605.28	4781.62	2373.80	58.17	-4.785	0.000	0.710
123.58	-24.75	-31.91	0.00	-1549.0	0.00	1549.04	3148.16	1574.08	4590.15	2278.75	61.84	-5.014	0.000	0.688
125.00	-24.20	-31.74	0.00	-1503.8	0.00	1503.83	3121.72	1560.86	4512.97	2240.43	63.34	-5.106	0.000	0.679
125.60	-23.94	-31.68	0.00	-1484.7	0.00	1484.79	3110.52	1555.26	4480.48	2224.30	63.99	-5.145	0.000	0.381
129.00	-22.69	-31.22	0.00	-1377.0	0.00	1377.07	2149.47	1074.74	3099.22	1538.58	67.69	-5.265	0.000	0.402
130.00	-22.39	-31.00	0.00	-1345.7	0.00	1345.70	2141.27	1070.63	3068.69	1523.43	68.79	-5.300	0.000	0.447
135.00	-21.41	-30.40	0.00	-1190.7	0.00	1190.72	2099.38	1049.69	2916.97	1448.11	74.44	-5.490	0.000	0.409
136.26	-21.13	-30.28	0.00	-1152.4	0.00	1152.42	2088.60	1044.30	2879.00	1429.26	75.89	-5.537	0.000	0.399
136.26	-21.13	-30.28	0.00	-1152.4	0.00	1152.42	2088.60	1044.30	2879.00	1429.26	75.89	-5.537	0.000	0.399
140.00	-20.33	-29.90	0.00	-1039.1	0.00	1039.19	2056.07	1028.04	2766.99	1373.65	80.28	-5.672	0.000	0.767
145.00	-19.28	-29.40	0.00	-889.70	0.00	889.70	2011.34	1005.67	2618.95	1300.16	86.40	-6.020	0.000	0.695
150.00	-18.31	-28.89	0.00	-742.72	0.00	742.72	1965.18	982.59	2473.01	1227.71	92.87	-6.345	0.000	0.615
155.00	-14.74	-23.34	0.00	-598.25	0.00	598.25	1917.59	958.80	2329.38	1156.40	99.66	-6.641	0.000	0.526

Calculated Forces

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 21	

160.00	-13.98	-22.81	0.00	-481.57	0.00	481.57	1868.58	934.29	2188.24	1086.34	106.75	-6.905	0.000	0.451
161.50	-12.08	-21.31	0.00	-447.36	0.00	447.36	1853.60	926.80	2146.41	1065.57	108.93	-6.982	0.000	0.427
165.00	-11.58	-20.94	0.00	-372.76	0.00	372.76	1818.15	909.07	2049.77	1017.59	114.09	-7.144	0.000	0.373
165.25	-11.51	-20.93	0.00	-367.53	0.00	367.53	1815.59	907.79	2042.92	1014.19	114.47	-7.155	0.000	0.369
169.58	-10.63	-20.43	0.00	-276.82	0.00	276.82	1040.26	520.13	1155.41	573.59	121.03	-7.327	0.000	0.494
170.00	-10.54	-20.41	0.00	-268.31	0.00	268.31	1038.39	519.19	1149.55	570.68	121.67	-7.342	0.000	0.482
175.00	-6.65	-12.92	0.00	-166.28	0.00	166.28	1015.17	507.59	1079.51	535.91	129.46	-7.555	0.000	0.317
180.00	-6.27	-12.45	0.00	-101.67	0.00	101.67	990.53	495.27	1010.05	501.43	137.43	-7.702	0.000	0.210
185.00	-2.93	-5.63	0.00	-39.40	0.00	39.40	964.47	482.24	941.35	467.32	145.53	-7.790	0.000	0.087
187.00	-2.76	-4.85	0.00	-22.89	0.00	22.89	953.65	476.82	914.12	453.81	148.79	-7.810	0.000	0.053
190.00	-2.59	-4.59	0.00	-8.35	0.00	8.35	936.98	468.49	873.60	433.69	153.69	-7.824	0.000	0.022
191.50	-0.20	-0.39	0.00	-1.47	0.00	1.47	928.46	464.23	853.48	423.70	156.14	-7.826	0.000	0.004
195.00	-0.05	-0.10	0.00	-0.10	0.00	0.10	908.07	454.03	806.98	400.62	161.86	-7.827	0.000	0.000
196.00	0.00	-0.09	0.00	0.00	0.00	0.00	902.11	451.06	793.81	394.08	163.49	-7.827	0.000	0.000

Wind Loading - Shaft

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 22	

Load Case: 0.9D + 1.6W 93 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60

Iterations 27

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.85	17.879	19.67	437.11	0.750	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	17.879	19.67	429.46	0.750	0.000	5.00	25.267	18.95	596.3	0.0	1796.6
10.00		1.00	0.85	17.879	19.67	421.81	0.750	0.000	5.00	24.821	18.62	585.8	0.0	1764.6
15.00		1.00	0.85	17.879	19.67	414.16	0.750	0.000	5.00	24.375	18.28	575.3	0.0	1732.5
20.00		1.00	0.90	18.971	20.87	418.73	0.750	0.000	5.00	23.929	17.95	599.2	0.0	1700.5
25.00		1.00	0.95	19.883	21.87	420.62	0.750	0.000	5.00	23.482	17.61	616.3	0.0	1668.4
30.00		1.00	0.98	20.661	22.73	420.55	0.750	0.000	5.00	23.036	17.28	628.3	0.0	1636.4
35.00		1.00	1.01	21.343	23.48	419.07	0.750	0.000	5.00	22.590	16.94	636.4	0.0	1604.3
40.00		1.00	1.04	21.951	24.15	416.52	0.750	0.000	5.00	22.144	16.61	641.6	0.0	1572.3
45.00		1.00	1.07	22.502	24.75	413.14	0.750	0.000	5.00	21.698	16.27	644.5	0.0	1540.2
45.42	Bot - Section 2	1.00	1.07	22.546	24.80	412.82	0.750	0.000	0.42	1.788	1.34	53.2	0.0	126.9
48.90	RB1	1.00	1.09	22.899	25.19	410.02	0.750	0.000	3.48	15.123	11.34	457.1	0.0	1913.1
50.00		1.00	1.09	23.007	25.31	409.07	0.750	0.000	1.10	4.731	3.55	143.7	0.0	598.3
52.75	Top - Section 1	1.00	1.11	23.268	25.59	406.58	0.750	0.000	2.75	11.732	8.80	360.3	0.0	1483.6
55.00		1.00	1.12	23.473	25.82	412.78	0.750	0.000	2.25	9.499	7.12	294.3	0.0	540.6
57.15	RT1	1.00	1.12	23.663	26.03	410.66	0.750	0.000	2.15	8.992	6.74	280.9	0.0	511.7
60.00		1.00	1.14	23.907	26.30	407.73	0.750	0.000	2.85	11.793	8.84	372.1	0.0	671.0
65.00		1.00	1.16	24.313	26.74	402.26	0.750	0.000	5.00	20.339	15.25	652.7	0.0	1157.1
70.00		1.00	1.17	24.696	27.17	396.42	0.750	0.000	5.00	19.893	14.92	648.5	0.0	1131.4
75.00		1.00	1.19	25.057	27.56	390.25	0.750	0.000	5.00	19.446	14.58	643.2	0.0	1105.8
80.00		1.00	1.21	25.400	27.94	383.79	0.750	0.000	5.00	19.000	14.25	637.0	0.0	1080.1
84.00	Bot - Section 3	1.00	1.22	25.662	28.23	378.44	0.750	0.000	4.00	14.879	11.16	504.0	0.0	845.6
85.00		1.00	1.22	25.726	28.30	377.08	0.750	0.000	1.00	3.739	2.80	127.0	0.0	368.7
87.00	RB2	1.00	1.23	25.852	28.44	374.32	0.750	0.000	2.00	7.424	5.57	253.4	0.0	732.0
90.00		1.00	1.24	26.037	28.64	370.12	0.750	0.000	3.00	11.003	8.25	378.2	0.0	1084.5
90.42	Top - Section 2	1.00	1.24	26.063	28.67	369.53	0.750	0.000	0.42	1.515	1.14	52.1	0.0	149.3
95.00		1.00	1.25	26.336	28.97	369.58	0.750	0.000	4.58	16.465	12.35	572.4	0.0	703.6
100.00	Appurtenance(s)	1.00	1.27	26.621	29.28	362.25	0.750	0.000	5.00	17.535	13.15	616.2	0.0	749.2
105.00		1.00	1.28	26.896	29.59	354.73	0.750	0.000	5.00	17.089	12.82	606.7	0.0	730.0
109.50	Appurtenance(s)	1.00	1.29	27.135	29.85	347.82	0.750	0.000	4.50	14.998	11.25	537.2	0.0	640.5
110.00		1.00	1.29	27.161	29.88	347.04	0.750	0.000	0.50	1.644	1.23	58.9	0.0	70.2
112.25	RT2	1.00	1.30	27.277	30.00	343.53	0.750	0.000	2.25	7.344	5.51	264.4	0.0	313.5
115.00		1.00	1.30	27.416	30.16	339.20	0.750	0.000	2.75	8.853	6.64	320.4	0.0	377.9
120.00		1.00	1.32	27.663	30.43	331.21	0.750	0.000	5.00	15.750	11.81	575.1	0.0	672.2
123.58	Bot - Section 4	1.00	1.32	27.835	30.62	325.39	0.750	0.000	3.58	11.013	8.26	404.7	0.0	469.9
125.00		1.00	1.33	27.902	30.69	323.08	0.750	0.000	1.42	4.359	3.27	160.5	0.0	322.9
125.60	RB3	1.00	1.33	27.930	30.72	322.09	0.750	0.000	0.60	1.835	1.38	67.7	0.0	136.0
129.00	Top - Section 3	1.00	1.34	28.088	30.90	316.48	0.750	0.000	3.40	10.278	7.71	381.1	0.0	761.2
130.00	Appurtenance(s)	1.00	1.34	28.133	30.95	319.96	0.750	0.000	1.00	2.984	2.24	110.8	0.0	95.7
135.00		1.00	1.35	28.358	31.19	311.60	0.750	0.000	5.00	14.651	10.99	548.4	0.0	469.9
136.26	RT3	1.00	1.35	28.413	31.25	309.47	0.750	0.000	1.26	3.622	2.72	135.8	0.0	116.1
140.00		1.00	1.36	28.576	31.43	303.12	0.750	0.000	3.74	10.583	7.94	399.2	0.0	339.4
145.00		1.00	1.37	28.788	31.67	294.54	0.750	0.000	5.00	13.759	10.32	522.8	0.0	441.1
150.00		1.00	1.38	28.994	31.89	285.85	0.750	0.000	5.00	13.313	9.98	509.5	0.0	426.7
155.00	Appurtenance(s)	1.00	1.39	29.195	32.11	277.06	0.750	0.000	5.00	12.867	9.65	495.8	0.0	412.2
160.00		1.00	1.40	29.390	32.33	268.18	0.751 *	0.000	5.00	12.421	9.33	482.8	0.0	397.8
161.50	Appurtenance(s)	1.00	1.40	29.448	32.39	265.50	0.757 *	0.000	1.50	3.639	2.75	142.8	0.0	116.5

Wind Loading - Shaft

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 23	

165.00	1.00	1.41	29.581	32.54	259.21	0.761 *	0.000	3.50	8.335	6.34	330.3	0.0	266.8
165.25 Bot - Section 5	1.00	1.41	29.591	32.55	258.76	0.765 *	0.000	0.25	0.587	0.45	23.4	0.0	18.8
169.58 Top - Section 4	1.00	1.41	29.753	32.73	250.92	0.769 *	0.000	4.33	10.136	7.79	408.1	0.0	537.0
170.00	1.00	1.42	29.768	32.74	253.68	0.770 *	0.000	0.42	0.957	0.74	38.6	0.0	20.5
175.00 Appurtenance(s)	1.00	1.42	29.950	32.95	244.56	0.775 *	0.000	5.00	11.242	8.71	459.4	0.0	240.6
180.00	1.00	1.43	30.128	33.14	235.35	0.750	0.000	5.00	10.796	8.10	429.3	0.0	231.0
185.00 Appurtenance(s)	1.00	1.44	30.303	33.33	226.08	0.750	0.000	5.00	10.350	7.76	414.0	0.0	221.4
187.00 Appurtenance(s)	1.00	1.44	30.371	33.41	222.34	0.750	0.000	2.00	4.015	3.01	161.0	0.0	85.9
190.00	1.00	1.45	30.473	33.52	216.73	0.750	0.000	3.00	5.889	4.42	236.9	0.0	125.9
191.50 Appurtenance(s)	1.00	1.45	30.524	33.58	213.91	0.750	0.000	1.50	2.884	2.16	116.2	0.0	61.7
195.00	1.00	1.46	30.640	33.70	207.30	0.750	0.000	3.50	6.573	4.93	265.9	0.0	140.5
196.00 Appurtenance(s)	1.00	1.46	30.673	33.74	205.41	0.750	0.000	1.00	1.838	1.38	74.4	0.0	39.3
							Totals:	**196.00**			**22,252.0**		**39,267.7**

* CfA djusted byL inear Load RaE ffect

Discrete Appurtenance Forces

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 24	

Tower Engineering Solutions

Load Case: 0.9D + 1.6W 93 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60

Iterations 27

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	196.00	6' Lightning rod	1	30.673	33.741	1.00	1.00	0.38	5.85	0.000	0.000	20.51	0.00	0.00
2	191.50	APXVTM14-C-120	3	30.524	33.576	0.68	0.80	12.93	151.20	0.000	0.000	694.81	0.00	0.00
3	191.50	APXVSPP18-C-A20	3	30.524	33.576	0.66	0.80	15.98	153.90	0.000	0.000	858.25	0.00	0.00
4	191.50	800MHz - RRU	3	30.524	33.576	0.54	0.80	4.00	143.10	0.000	0.000	215.10	0.00	0.00
5	191.50	1900MHz - RRU	3	30.524	33.576	0.54	0.80	6.11	118.80	0.000	0.000	328.26	0.00	0.00
6	191.50	RRH8x20-25 - RRU	3	30.524	33.576	0.54	0.80	6.51	189.00	0.000	0.000	349.86	0.00	0.00
7	191.50	800MHz Filter	3	30.524	33.576	0.54	0.80	1.25	23.76	0.000	0.000	67.38	0.00	0.00
8	191.50	ACU-A20-N - RET	4	30.524	33.576	0.60	0.80	0.34	3.60	0.000	0.000	18.05	0.00	0.00
9	191.50	Low Profile Platform	1	30.524	33.576	1.00	1.00	22.00	1350.00	0.000	0.000	1181.88	0.00	0.00
10	187.00	Pipe mount	1	30.371	33.408	0.56	0.75	1.48	36.00	0.000	0.000	79.08	0.00	0.00
11	187.00	BA80-41-DIN	1	30.717	33.789	1.00	1.00	9.40	61.20	0.000	10.333	508.18	0.00	5251.23
12	185.00	CBC23SR-43	3	30.303	33.333	0.52	0.75	0.66	13.23	0.000	0.000	35.28	0.00	0.00
13	185.00	MT6407-77A	3	30.303	33.333	0.52	0.75	7.39	214.38	0.000	0.000	393.95	0.00	0.00
14	185.00	RFV01U-D2A	3	30.303	33.333	0.58	0.75	3.30	189.81	0.000	0.000	175.97	0.00	0.00
15	185.00	JAHH-65C-R3B-V2	6	30.303	33.333	0.62	0.75	47.85	433.08	0.000	0.000	2551.71	0.00	0.00
16	185.00	Low Profile	1	30.303	33.333	0.00	1.00	22.00	1350.00	0.000	0.000	1173.31	0.00	0.00
17	185.00	RFV01U-D1A	3	30.303	33.333	0.62	0.75	3.51	227.88	0.000	0.000	187.24	0.00	0.00
18	185.00	DB-C1-12C-24AB-0Z	1	30.303	33.333	0.75	0.75	3.04	28.80	0.000	0.000	162.40	0.00	0.00
19	185.00	HRK12-HD	1	30.303	33.333	0.75	1.00	9.00	365.95	0.000	0.000	479.99	0.00	0.00
20	185.00	BXA-70063 6CF_2	3	30.303	33.333	0.61	0.75	13.97	45.90	0.000	0.000	744.88	0.00	0.00
21	175.00	Low Profile Platform	1	29.950	32.945	1.00	1.00	22.00	1350.00	0.000	0.000	1159.67	0.00	0.00
22	175.00	Powerwave LGP21401	12	29.950	32.945	0.75	0.75	11.61	152.28	0.000	0.000	611.99	0.00	0.00
23	175.00	Powerwave LGP13519	12	29.950	32.945	0.75	0.75	3.06	57.24	0.000	0.000	161.30	0.00	0.00
24	175.00	Ericsson RRUS 4449	3	29.950	32.945	0.50	0.75	2.97	191.70	0.000	0.000	156.54	0.00	0.00
25	175.00	Kathrein 800-10965	6	29.950	32.945	0.53	0.75	44.12	586.44	0.000	0.000	2325.82	0.00	0.00
26	175.00	Powerwave 7770	3	29.950	32.945	0.68	0.80	11.22	94.50	0.000	0.000	591.43	0.00	0.00
27	175.00	RRUS-12	3	29.950	32.945	0.54	0.80	4.34	135.00	0.000	0.000	228.86	0.00	0.00
28	175.00	DC6-48-60-18-8F	1	29.950	32.945	0.80	0.80	0.74	29.52	0.000	0.000	38.80	0.00	0.00
29	175.00	Ericsson RRUS 4478 B14	3	29.950	32.945	0.50	0.75	2.49	160.38	0.000	0.000	131.11	0.00	0.00
30	175.00	HRK12 (Handrail Kit)	1	29.950	32.945	1.00	1.00	6.75	235.55	0.000	0.000	355.81	0.00	0.00
31	175.00	Raycap	2	29.950	32.945	1.00	1.00	9.56	28.80	0.000	0.000	503.93	0.00	0.00
32	175.00	Ericsson RRUS 32 B30	3	29.950	32.945	0.50	0.75	4.13	162.00	0.000	0.000	217.73	0.00	0.00
33	161.50	Low Profile Platform	1	29.448	32.393	1.00	1.00	22.00	1350.00	0.000	0.000	1140.23	0.00	0.00
34	155.00	APXVAARR24_43-U-NA2	3	29.195	32.114	0.56	0.80	34.00	345.60	0.000	0.000	1747.17	0.00	0.00
35	155.00	Radio 4449 B71 + B12	3	29.195	32.114	0.54	0.80	3.17	191.70	0.000	0.000	162.77	0.00	0.00
36	155.00	AIR 21 B4A/B2P	3	29.195	32.114	0.66	0.80	12.13	243.81	0.000	0.000	623.33	0.00	0.00
37	155.00	AIR 21 B2A/B4P	3	29.195	32.114	0.66	0.80	12.13	247.05	0.000	0.000	623.33	0.00	0.00
38	155.00	KRY 112 114 TMA	3	29.195	32.114	0.54	0.80	0.66	29.70	0.000	0.000	33.88	0.00	0.00
39	155.00	T-Arms w/ Handrail kit &	3	29.195	32.114	0.56	0.75	29.53	1350.00	0.000	0.000	1517.39	0.00	0.00
40	130.00	ANT150F2	1	28.246	31.071	1.00	1.00	1.23	11.70	0.000	2.500	61.15	0.00	152.87
41	130.00	Standoff	1	28.133	30.947	0.56	0.75	1.48	36.00	0.000	0.000	73.25	0.00	0.00
42	109.50	Standoff	1	27.135	29.849	0.56	0.75	1.48	36.00	0.000	0.000	70.65	0.00	0.00
43	109.50	Standoff	5	27.135	29.849	0.56	0.75	7.40	180.00	0.000	0.000	353.26	0.00	0.00
44	109.50	4' Omni	1	27.239	29.962	1.00	1.00	1.00	9.00	0.000	2.000	47.94	0.00	95.88
45	109.50	14' Omni	5	27.491	30.240	1.00	1.00	21.00	180.00	0.000	7.000	1016.08	0.00	7112.56
46	100.00	Standoff	1	26.621	29.284	0.56	0.75	1.48	36.00	0.000	0.000	69.31	0.00	0.00
47	100.00	MPRD	1	26.621	29.284	1.00	1.00	6.10	32.40	0.000	0.000	285.81	0.00	0.00

Discrete Appurtenance Forces

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 25	

Totals:	**12,567.81**	**24,534.62**

Total Applied Force Summary

Structure:	CT46138-A-SBA		**Code:**	EIA/TIA-222-G	8/9/2021
Site Name:	Torrington/Oandg Ind Inc		**Exposure:**	C	
Height:	196.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 26

Tower Engineering Solutions

Load Case: 0.9D + 1.6W 93 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60

Iterations 27

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		596.31	2063.89	0.00	0.00
10.00		585.78	2031.83	0.00	0.00
15.00		575.25	1999.77	0.00	0.00
20.00		599.20	1967.72	0.00	0.00
25.00		616.31	1935.66	0.00	0.00
30.00		628.26	1903.61	0.00	0.00
35.00		636.42	1871.55	0.00	0.00
40.00		641.64	1839.49	0.00	0.00
45.00		644.50	1807.44	0.00	0.00
45.42		53.21	149.17	0.00	0.00
48.90		457.12	2099.28	0.00	0.00
50.00		143.67	657.11	0.00	0.00
52.75		360.33	1630.56	0.00	0.00
55.00		294.31	660.84	0.00	0.00
57.15		280.87	626.62	0.00	0.00
60.00		372.14	823.32	0.00	0.00
65.00		652.74	1424.29	0.00	0.00
70.00		648.46	1398.65	0.00	0.00
75.00		643.20	1373.00	0.00	0.00
80.00		637.04	1347.36	0.00	0.00
84.00		504.02	1059.42	0.00	0.00
85.00		126.97	422.13	0.00	0.00
87.00		253.35	838.87	0.00	0.00
90.00		378.15	1244.85	0.00	0.00
90.42		52.14	171.62	0.00	0.00
95.00		572.38	948.62	0.00	0.00
100.00	(2) attachments	971.30	1084.82	0.00	0.00
105.00		606.70	997.01	0.00	0.00
109.50	(12) attachments	2025.14	1285.86	0.00	7208.44
110.00		58.95	96.48	0.00	0.00
112.25		264.41	431.78	0.00	0.00
115.00		320.38	522.44	0.00	0.00
120.00		575.13	934.99	0.00	0.00
123.58		404.66	658.24	0.00	0.00
125.00		160.53	397.37	0.00	0.00
125.60		67.66	167.48	0.00	0.00
129.00		381.07	939.91	0.00	0.00
130.00	(2) attachments	245.20	195.96	0.00	152.87
135.00		548.43	730.32	0.00	0.00
136.26		135.83	181.77	0.00	0.00
140.00		399.20	534.13	0.00	0.00
145.00		522.84	701.47	0.00	0.00
150.00		509.51	658.97	0.00	0.00
155.00	(18) attachments	5203.72	3052.40	0.00	0.00
160.00		482.79	568.20	0.00	0.00
161.50	(1) attachments	1282.99	1517.65	0.00	0.00

Total Applied Force Summary

Structure:	CT46138-A-SBA		**Code:**	EIA/TIA-222-G	8/9/2021
Site Name:	Torrington/Oandg Ind Inc		**Exposure:**	C	
Height:	196.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 27

165.00		330.33	386.13	0.00	0.00
165.25		23.37	27.31	0.00	0.00
169.58		408.05	684.67	0.00	0.00
170.00		38.60	34.69	0.00	0.00
175.00	(50) attachments	6942.34	3594.45	0.00	0.00
180.00		429.34	311.65	0.00	0.00
185.00	(24) attachments	6318.72	3171.06	0.00	0.00
187.00	(2) attachments	748.22	202.11	0.00	5251.23
190.00		236.87	153.07	0.00	0.00
191.50	(23) attachments	3829.79	2208.60	0.00	0.00
195.00		265.86	140.51	0.00	0.00
196.00	(1) attachments	94.93	45.13	0.00	0.00
	Totals:	**46,786.67**	**60,913.29**	**0.00**	**12,612.53**

Linear Appurtenance Segment Forces (Factored)

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 28	

Load Case: 0.9D + 1.6W 93 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60

Iterations 27

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
5.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.058	0.000	17.879	0.00	14.49
5.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.058	0.000	17.879	0.00	7.25
5.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.058	0.000	17.879	0.00	2.34
10.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.059	0.000	17.879	0.00	14.49
10.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.059	0.000	17.879	0.00	7.25
10.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.059	0.000	17.879	0.00	2.34
15.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.060	0.000	17.879	0.00	14.49
15.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.060	0.000	17.879	0.00	7.25
15.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.060	0.000	17.879	0.00	2.34
20.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.061	0.000	18.971	0.00	14.49
20.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.061	0.000	18.971	0.00	7.25
20.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.061	0.000	18.971	0.00	2.34
25.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.062	0.000	19.883	0.00	14.49
25.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.062	0.000	19.883	0.00	7.25
25.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.062	0.000	19.883	0.00	2.34
30.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.064	0.000	20.661	0.00	14.49
30.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.064	0.000	20.661	0.00	7.25
30.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.064	0.000	20.661	0.00	2.34
35.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.065	0.000	21.343	0.00	14.49
35.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.065	0.000	21.343	0.00	7.25
35.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.065	0.000	21.343	0.00	2.34
40.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.066	0.000	21.951	0.00	14.49
40.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.066	0.000	21.951	0.00	7.25
40.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.066	0.000	21.951	0.00	2.34
45.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.068	0.000	22.502	0.00	14.49
45.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.068	0.000	22.502	0.00	7.25
45.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.068	0.000	22.502	0.00	2.34
45.42	2" Conduit	Yes	0.42	0.000	0.00	0.00	0.00	0.068	0.000	22.546	0.00	1.21
45.42	3" Conduit	Yes	0.42	0.000	3.00	0.10	0.00	0.068	0.000	22.546	0.00	0.60
45.42	7/8" Coax	Yes	0.42	0.000	0.52	0.02	0.00	0.068	0.000	22.546	0.00	0.20
48.90	2" Conduit	Yes	3.48	0.000	0.00	0.00	0.00	0.069	0.000	22.899	0.00	10.09
48.90	3" Conduit	Yes	3.48	0.000	3.00	0.87	0.00	0.069	0.000	22.899	0.00	5.05
48.90	7/8" Coax	Yes	3.48	0.000	0.52	0.15	0.00	0.069	0.000	22.899	0.00	1.63
50.00	2" Conduit	Yes	1.10	0.000	0.00	0.00	0.00	0.070	0.000	23.007	0.00	3.19
50.00	3" Conduit	Yes	1.10	0.000	3.00	0.28	0.00	0.070	0.000	23.007	0.00	1.59
50.00	7/8" Coax	Yes	1.10	0.000	0.52	0.05	0.00	0.070	0.000	23.007	0.00	0.51
52.75	2" Conduit	Yes	2.75	0.000	0.00	0.00	0.00	0.070	0.000	23.268	0.00	7.97
52.75	3" Conduit	Yes	2.75	0.000	3.00	0.69	0.00	0.070	0.000	23.268	0.00	3.98
52.75	7/8" Coax	Yes	2.75	0.000	0.52	0.12	0.00	0.070	0.000	23.268	0.00	1.29
55.00	2" Conduit	Yes	2.25	0.000	0.00	0.00	0.00	0.069	0.000	23.473	0.00	6.52
55.00	3" Conduit	Yes	2.25	0.000	3.00	0.56	0.00	0.069	0.000	23.473	0.00	3.26
55.00	7/8" Coax	Yes	2.25	0.000	0.52	0.10	0.00	0.069	0.000	23.473	0.00	1.05
57.15	2" Conduit	Yes	2.15	0.000	0.00	0.00	0.00	0.070	0.000	23.663	0.00	6.23
57.15	3" Conduit	Yes	2.15	0.000	3.00	0.54	0.00	0.070	0.000	23.663	0.00	3.12
57.15	7/8" Coax	Yes	2.15	0.000	0.52	0.09	0.00	0.070	0.000	23.663	0.00	1.01
60.00	2" Conduit	Yes	2.85	0.000	0.00	0.00	0.00	0.071	0.000	23.907	0.00	8.26
60.00	3" Conduit	Yes	2.85	0.000	3.00	0.71	0.00	0.071	0.000	23.907	0.00	4.13

Linear Appurtenance Segment Forces (Factored)

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 29	

Load Case: 0.9D + 1.6W 93 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60

Iterations 27

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
60.00	7/8" Coax	Yes	2.85	0.000	0.52	0.12	0.00	0.071	0.000	23.907	0.00	1.33
65.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.072	0.000	24.313	0.00	14.49
65.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.072	0.000	24.313	0.00	7.25
65.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.072	0.000	24.313	0.00	2.34
70.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.074	0.000	24.696	0.00	14.49
70.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.074	0.000	24.696	0.00	7.25
70.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.074	0.000	24.696	0.00	2.34
75.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.075	0.000	25.057	0.00	14.49
75.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.075	0.000	25.057	0.00	7.25
75.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.075	0.000	25.057	0.00	2.34
80.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.077	0.000	25.400	0.00	14.49
80.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.077	0.000	25.400	0.00	7.25
80.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.077	0.000	25.400	0.00	2.34
84.00	2" Conduit	Yes	4.00	0.000	0.00	0.00	0.00	0.079	0.000	25.662	0.00	11.59
84.00	3" Conduit	Yes	4.00	0.000	3.00	1.00	0.00	0.079	0.000	25.662	0.00	5.80
84.00	7/8" Coax	Yes	4.00	0.000	0.52	0.17	0.00	0.079	0.000	25.662	0.00	1.87
85.00	2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	0.080	0.000	25.726	0.00	2.90
85.00	3" Conduit	Yes	1.00	0.000	3.00	0.25	0.00	0.080	0.000	25.726	0.00	1.45
85.00	7/8" Coax	Yes	1.00	0.000	0.52	0.04	0.00	0.080	0.000	25.726	0.00	0.47
87.00	2" Conduit	Yes	2.00	0.000	0.00	0.00	0.00	0.080	0.000	25.852	0.00	5.80
87.00	3" Conduit	Yes	2.00	0.000	3.00	0.50	0.00	0.080	0.000	25.852	0.00	2.90
87.00	7/8" Coax	Yes	2.00	0.000	0.52	0.09	0.00	0.080	0.000	25.852	0.00	0.94
90.00	2" Conduit	Yes	3.00	0.000	0.00	0.00	0.00	0.081	0.000	26.037	0.00	8.69
90.00	3" Conduit	Yes	3.00	0.000	3.00	0.75	0.00	0.081	0.000	26.037	0.00	4.35
90.00	7/8" Coax	Yes	3.00	0.000	0.52	0.13	0.00	0.081	0.000	26.037	0.00	1.40
90.42	2" Conduit	Yes	0.42	0.000	0.00	0.00	0.00	0.082	0.000	26.063	0.00	1.21
90.42	3" Conduit	Yes	0.42	0.000	3.00	0.10	0.00	0.082	0.000	26.063	0.00	0.60
90.42	7/8" Coax	Yes	0.42	0.000	0.52	0.02	0.00	0.082	0.000	26.063	0.00	0.20
95.00	2" Conduit	Yes	4.58	0.000	0.00	0.00	0.00	0.082	0.000	26.336	0.00	13.28
95.00	3" Conduit	Yes	4.58	0.000	3.00	1.15	0.00	0.082	0.000	26.336	0.00	6.64
95.00	7/8" Coax	Yes	4.58	0.000	0.52	0.20	0.00	0.082	0.000	26.336	0.00	2.14
100.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.084	0.000	26.621	0.00	14.49
100.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.084	0.000	26.621	0.00	7.25
100.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.084	0.000	26.621	0.00	2.34
105.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.086	0.000	26.896	0.00	14.49
105.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.086	0.000	26.896	0.00	7.25
105.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.086	0.000	26.896	0.00	2.34
109.50	2" Conduit	Yes	4.50	0.000	0.00	0.00	0.00	0.088	0.000	27.135	0.00	13.04
109.50	3" Conduit	Yes	4.50	0.000	3.00	1.13	0.00	0.088	0.000	27.135	0.00	6.52
109.50	7/8" Coax	Yes	4.50	0.000	0.52	0.20	0.00	0.088	0.000	27.135	0.00	2.11
110.00	2" Conduit	Yes	0.50	0.000	0.00	0.00	0.00	0.089	0.000	27.161	0.00	1.45
110.00	3" Conduit	Yes	0.50	0.000	3.00	0.13	0.00	0.089	0.000	27.161	0.00	0.72
110.00	7/8" Coax	Yes	0.50	0.000	0.52	0.02	0.00	0.089	0.000	27.161	0.00	0.23
112.25	2" Conduit	Yes	2.25	0.000	0.00	0.00	0.00	0.090	0.000	27.277	0.00	6.52
112.25	3" Conduit	Yes	2.25	0.000	3.00	0.56	0.00	0.090	0.000	27.277	0.00	3.26
112.25	7/8" Coax	Yes	2.25	0.000	0.52	0.10	0.00	0.090	0.000	27.277	0.00	1.05
115.00	2" Conduit	Yes	2.75	0.000	0.00	0.00	0.00	0.091	0.000	27.416	0.00	7.97

Linear Appurtenance Segment Forces (Factored)

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 30	

Tower Engineering Solutions

Load Case: 0.9D + 1.6W 93 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60

Iterations 27

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
115.00	3" Conduit	Yes	2.75	0.000	3.00	0.69	0.00	0.091	0.000	27.416	0.00	3.98
115.00	7/8" Coax	Yes	2.75	0.000	0.52	0.12	0.00	0.091	0.000	27.416	0.00	1.29
120.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.093	0.000	27.663	0.00	14.49
120.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.093	0.000	27.663	0.00	7.25
120.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.093	0.000	27.663	0.00	2.34
123.58	2" Conduit	Yes	3.58	0.000	0.00	0.00	0.00	0.095	0.000	27.835	0.00	10.38
123.58	3" Conduit	Yes	3.58	0.000	3.00	0.90	0.00	0.095	0.000	27.835	0.00	5.19
123.58	7/8" Coax	Yes	3.58	0.000	0.52	0.16	0.00	0.095	0.000	27.835	0.00	1.68
125.00	2" Conduit	Yes	1.42	0.000	0.00	0.00	0.00	0.097	0.000	27.902	0.00	4.11
125.00	3" Conduit	Yes	1.42	0.000	3.00	0.35	0.00	0.097	0.000	27.902	0.00	2.05
125.00	7/8" Coax	Yes	1.42	0.000	0.52	0.06	0.00	0.097	0.000	27.902	0.00	0.66
125.60	2" Conduit	Yes	0.60	0.000	0.00	0.00	0.00	0.097	0.000	27.930	0.00	1.74
125.60	3" Conduit	Yes	0.60	0.000	3.00	0.15	0.00	0.097	0.000	27.930	0.00	0.87
125.60	7/8" Coax	Yes	0.60	0.000	0.52	0.03	0.00	0.097	0.000	27.930	0.00	0.28
129.00	2" Conduit	Yes	3.40	0.000	0.00	0.00	0.00	0.099	0.000	28.088	0.00	9.85
129.00	3" Conduit	Yes	3.40	0.000	3.00	0.85	0.00	0.099	0.000	28.088	0.00	4.93
129.00	7/8" Coax	Yes	3.40	0.000	0.52	0.15	0.00	0.099	0.000	28.088	0.00	1.59
130.00	2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	0.098	0.000	28.133	0.00	2.90
130.00	3" Conduit	Yes	1.00	0.000	3.00	0.25	0.00	0.098	0.000	28.133	0.00	1.45
130.00	7/8" Coax	Yes	1.00	0.000	0.52	0.04	0.00	0.098	0.000	28.133	0.00	0.47
135.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.085	0.000	28.358	0.00	14.49
135.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.085	0.000	28.358	0.00	7.25
136.26	2" Conduit	Yes	1.26	0.000	0.00	0.00	0.00	0.087	0.000	28.413	0.00	3.65
136.26	3" Conduit	Yes	1.26	0.000	3.00	0.31	0.00	0.087	0.000	28.413	0.00	1.83
140.00	2" Conduit	Yes	3.74	0.000	0.00	0.00	0.00	0.088	0.000	28.576	0.00	10.84
140.00	3" Conduit	Yes	3.74	0.000	3.00	0.94	0.00	0.088	0.000	28.576	0.00	5.42
145.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.091	0.000	28.788	0.00	14.49
145.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.091	0.000	28.788	0.00	7.25
150.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.094	0.000	28.994	0.00	14.49
150.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.094	0.000	28.994	0.00	7.25
155.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.097	0.000	29.195	0.00	14.49
155.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.097	0.000	29.195	0.00	7.25
160.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.101	1.002	29.390	0.00	14.49
160.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.101	1.002	29.390	0.00	7.25
161.50	2" Conduit	Yes	1.50	0.000	0.00	0.00	0.00	0.103	1.009	29.448	0.00	4.35
161.50	3" Conduit	Yes	1.50	0.000	3.00	0.38	0.00	0.103	1.009	29.448	0.00	2.17
165.00	2" Conduit	Yes	3.50	0.000	0.00	0.00	0.00	0.105	1.015	29.581	0.00	10.14
165.00	3" Conduit	Yes	3.50	0.000	3.00	0.88	0.00	0.105	1.015	29.581	0.00	5.07
165.25	2" Conduit	Yes	0.25	0.000	0.00	0.00	0.00	0.106	1.019	29.591	0.00	0.72
165.25	3" Conduit	Yes	0.25	0.000	3.00	0.06	0.00	0.106	1.019	29.591	0.00	0.36
169.58	2" Conduit	Yes	4.33	0.000	0.00	0.00	0.00	0.108	1.025	29.753	0.00	12.56
169.58	3" Conduit	Yes	4.33	0.000	3.00	1.08	0.00	0.108	1.025	29.753	0.00	6.28
170.00	2" Conduit	Yes	0.42	0.000	0.00	0.00	0.00	0.109	1.027	29.768	0.00	1.21
170.00	3" Conduit	Yes	0.42	0.000	3.00	0.10	0.00	0.109	1.027	29.768	0.00	0.60
175.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.111	1.034	29.950	0.00	14.49
175.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.111	1.034	29.950	0.00	7.25

Linear Appurtenance Segment Forces (Factored)

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 31	

Load Case: 0.9D + 1.6W 93 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60

Iterations 27

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
										Totals:	**0.0**	**821.6**

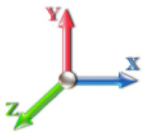
Calculated Forces

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 32	

Load Case: 0.9D + 1.6W 93 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



Iterations 27

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-60.84	-46.88	0.00	-6513.4	0.00	6513.43	8794.96	4397.48	21496.0	10671.5	0.00	0.000	0.000	0.617
5.00	-58.64	-46.46	0.00	-6279.0	0.00	6279.04	8639.43	4319.71	20738.5	10295.5	0.09	-0.173	0.000	0.617
10.00	-56.47	-46.04	0.00	-6046.7	0.00	6046.75	8483.89	4241.95	19994.7	9926.22	0.37	-0.348	0.000	0.616
15.00	-54.33	-45.62	0.00	-5816.5	0.00	5816.56	8328.36	4164.18	19264.4	9563.67	0.83	-0.526	0.000	0.615
20.00	-52.22	-45.16	0.00	-5588.4	0.00	5588.47	8172.83	4086.41	18547.7	9207.87	1.48	-0.708	0.000	0.613
25.00	-50.15	-44.68	0.00	-5362.6	0.00	5362.65	8017.29	4008.65	17844.6	8858.82	2.32	-0.892	0.000	0.612
30.00	-48.11	-44.18	0.00	-5139.2	0.00	5139.24	7861.76	3930.88	17155.1	8516.51	3.35	-1.079	0.000	0.610
35.00	-46.11	-43.66	0.00	-4918.3	0.00	4918.33	7706.22	3853.11	16479.1	8180.95	4.58	-1.269	0.000	0.607
40.00	-44.14	-43.13	0.00	-4700.0	0.00	4700.03	7550.69	3775.35	15816.8	7852.13	6.01	-1.461	0.000	0.605
45.00	-42.27	-42.51	0.00	-4484.4	0.00	4484.40	7395.16	3697.58	15168.0	7530.06	7.65	-1.657	0.000	0.601
45.42	-42.07	-42.51	0.00	-4466.6	0.00	4466.69	7382.20	3691.10	15114.6	7503.52	7.79	-1.674	0.000	0.601
48.90	-39.92	-42.05	0.00	-4318.6	0.00	4318.61	7273.84	3636.92	14671.4	7283.52	9.07	-1.814	0.000	0.399
50.00	-39.23	-41.92	0.00	-4272.3	0.00	4272.36	7239.62	3619.81	14532.8	7214.73	9.49	-1.844	0.000	0.398
52.75	-37.56	-41.55	0.00	-4157.0	0.00	4157.08	5810.43	2905.21	11825.7	5870.80	10.57	-1.918	0.000	0.406
55.00	-36.87	-41.27	0.00	-4063.6	0.00	4063.60	5769.82	2884.91	11629.7	5773.48	11.49	-1.980	0.000	0.444
57.15	-36.20	-41.02	0.00	-3974.8	0.00	3974.86	5730.75	2865.38	11443.3	5680.95	12.40	-2.045	0.000	0.439
57.15	-36.20	-41.02	0.00	-3974.8	0.00	3974.86	5730.75	2865.38	11443.3	5680.95	12.40	-2.045	0.000	0.439
60.00	-35.27	-40.72	0.00	-3857.9	0.00	3857.95	5678.55	2839.28	11197.7	5559.03	13.64	-2.131	0.000	0.700
65.00	-33.70	-40.15	0.00	-3654.3	0.00	3654.36	5551.73	2775.86	10705.1	5314.51	16.01	-2.372	0.000	0.694
70.00	-32.17	-39.58	0.00	-3453.5	0.00	3453.59	5427.30	2713.65	10228.2	5077.73	18.62	-2.616	0.000	0.686
75.00	-30.66	-39.01	0.00	-3255.6	0.00	3255.67	5302.88	2651.44	9762.15	4846.34	21.49	-2.863	0.000	0.678
80.00	-29.19	-38.42	0.00	-3060.6	0.00	3060.63	5178.45	2589.22	9306.93	4620.35	24.62	-3.111	0.000	0.668
84.00	-28.08	-37.92	0.00	-2906.9	0.00	2906.96	5078.91	2539.45	8950.59	4443.45	27.31	-3.313	0.000	0.660
85.00	-27.62	-37.80	0.00	-2869.0	0.00	2869.05	5054.02	2527.01	8862.59	4399.76	28.01	-3.365	0.000	0.658
87.00	-26.73	-37.55	0.00	-2793.4	0.00	2793.44	5004.25	2502.13	8687.89	4313.04	29.44	-3.468	0.000	0.395
90.00	-25.48	-37.11	0.00	-2680.8	0.00	2680.81	4929.59	2464.80	8429.11	4184.57	31.65	-3.561	0.000	0.388
90.42	-25.26	-37.09	0.00	-2665.3	0.00	2665.34	3591.78	1795.89	6277.53	3116.43	31.96	-3.574	0.000	0.413
95.00	-24.25	-36.52	0.00	-2495.3	0.00	2495.37	3535.98	1767.99	6038.44	2997.74	35.46	-3.714	0.000	0.452
100.00	-23.12	-35.55	0.00	-2312.7	0.00	2312.77	3473.75	1736.87	5780.45	2869.66	39.44	-3.886	0.000	0.432
105.00	-22.07	-34.94	0.00	-2135.0	0.00	2135.02	3410.09	1705.04	5525.58	2743.13	43.60	-4.055	0.000	0.412
109.50	-20.89	-32.85	0.00	-1970.6	0.00	1970.61	3351.58	1675.79	5299.03	2630.66	47.49	-4.205	0.000	0.391
110.00	-20.77	-32.80	0.00	-1954.1	0.00	1954.18	3345.00	1672.50	5274.03	2618.25	47.93	-4.222	0.000	0.389
112.25	-20.31	-32.54	0.00	-1880.3	0.00	1880.37	3315.25	1657.63	5161.96	2562.62	49.94	-4.296	0.000	0.380
112.25	-20.31	-32.54	0.00	-1880.3	0.00	1880.37	3315.25	1657.63	5161.96	2562.62	49.94	-4.296	0.000	0.380
115.00	-19.70	-32.25	0.00	-1790.8	0.00	1790.89	3278.49	1639.25	5025.98	2495.11	52.43	-4.387	0.000	0.724
120.00	-18.67	-31.69	0.00	-1629.6	0.00	1629.65	3210.56	1605.28	4781.62	2373.80	57.19	-4.699	0.000	0.693
123.58	-17.96	-31.28	0.00	-1516.1	0.00	1516.10	3148.16	1574.08	4590.15	2278.75	60.80	-4.923	0.000	0.671
125.00	-17.55	-31.10	0.00	-1471.7	0.00	1471.78	3121.72	1560.86	4512.97	2240.43	62.27	-5.013	0.000	0.663
125.60	-17.34	-31.05	0.00	-1453.1	0.00	1453.12	3110.52	1555.26	4480.48	2224.30	62.91	-5.051	0.000	0.372
129.00	-16.40	-30.60	0.00	-1347.5	0.00	1347.57	2149.47	1074.74	3099.22	1538.58	66.54	-5.168	0.000	0.392
130.00	-16.17	-30.37	0.00	-1316.8	0.00	1316.81	2141.27	1070.63	3068.69	1523.43	67.63	-5.203	0.000	0.436
135.00	-15.43	-29.79	0.00	-1164.9	0.00	1164.94	2099.38	1049.69	2916.97	1448.11	73.17	-5.388	0.000	0.399
136.26	-15.22	-29.66	0.00	-1127.4	0.00	1127.40	2088.60	1044.30	2879.00	1429.26	74.60	-5.435	0.000	0.389
136.26	-15.22	-29.66	0.00	-1127.4	0.00	1127.40	2088.60	1044.30	2879.00	1429.26	74.60	-5.435	0.000	0.389
140.00	-14.60	-29.28	0.00	-1016.4	0.00	1016.46	2056.07	1028.04	2766.99	1373.65	78.90	-5.566	0.000	0.748
145.00	-13.79	-28.77	0.00	-870.08	0.00	870.08	2011.34	1005.67	2618.95	1300.16	84.91	-5.907	0.000	0.677
150.00	-13.04	-28.26	0.00	-726.25	0.00	726.25	1965.18	982.59	2473.01	1227.71	91.26	-6.225	0.000	0.599
155.00	-10.47	-22.80	0.00	-584.96	0.00	584.96	1917.59	958.80	2329.38	1156.40	97.92	-6.514	0.000	0.512

Calculated Forces

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 33	

160.00	-9.90	-22.28	0.00	-470.97	0.00	470.97	1868.58	934.29	2188.24	1086.34	104.87	-6.773	0.000	0.439
161.50	-8.51	-20.85	0.00	-437.55	0.00	437.55	1853.60	926.80	2146.41	1065.57	107.01	-6.847	0.000	0.416
165.00	-8.13	-20.48	0.00	-364.59	0.00	364.59	1818.15	909.07	2049.77	1017.59	112.08	-7.006	0.000	0.363
165.25	-8.08	-20.47	0.00	-359.47	0.00	359.47	1815.59	907.79	2042.92	1014.19	112.44	-7.017	0.000	0.359
169.58	-7.42	-19.99	0.00	-270.77	0.00	270.77	1040.26	520.13	1155.41	573.59	118.88	-7.185	0.000	0.481
170.00	-7.34	-19.96	0.00	-262.44	0.00	262.44	1038.39	519.19	1149.55	570.68	119.50	-7.200	0.000	0.468
175.00	-4.62	-12.63	0.00	-162.62	0.00	162.62	1015.17	507.59	1079.51	535.91	127.15	-7.408	0.000	0.309
180.00	-4.35	-12.18	0.00	-99.45	0.00	99.45	990.53	495.27	1010.05	501.43	134.97	-7.552	0.000	0.203
185.00	-2.04	-5.50	0.00	-38.57	0.00	38.57	964.47	482.24	941.35	467.32	142.91	-7.639	0.000	0.085
187.00	-1.93	-4.73	0.00	-22.33	0.00	22.33	953.65	476.82	914.12	453.81	146.10	-7.657	0.000	0.051
190.00	-1.81	-4.47	0.00	-8.15	0.00	8.15	936.98	468.49	873.60	433.69	150.90	-7.671	0.000	0.021
191.50	-0.14	-0.38	0.00	-1.44	0.00	1.44	928.46	464.23	853.48	423.70	153.31	-7.674	0.000	0.004
195.00	-0.03	-0.10	0.00	-0.10	0.00	0.10	908.07	454.03	806.98	400.62	158.92	-7.674	0.000	0.000
196.00	0.00	-0.09	0.00	0.00	0.00	0.00	902.11	451.06	793.81	394.08	160.52	-7.674	0.000	0.000

Wind Loading - Shaft

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 34	

Load Case: 1.2D + 1.0Di + 1.0Wi 40 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 26

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.85	3.308	3.64	0.00	1.200	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	3.308	3.64	0.00	1.200	1.242	5.00	26.302	31.56	114.8	472.6	2868.2
10.00		1.00	0.85	3.308	3.64	0.00	1.200	1.331	5.00	25.930	31.12	113.2	498.4	2851.2
15.00		1.00	0.85	3.308	3.64	0.00	1.200	1.386	5.00	25.530	30.64	111.5	510.3	2820.4
20.00		1.00	0.90	3.509	3.86	0.00	1.200	1.427	5.00	25.117	30.14	116.4	516.1	2783.4
25.00		1.00	0.95	3.678	4.05	0.00	1.200	1.459	5.00	24.698	29.64	119.9	518.4	2742.9
30.00		1.00	0.98	3.822	4.20	0.00	1.200	1.486	5.00	24.275	29.13	122.5	518.3	2700.1
35.00		1.00	1.01	3.948	4.34	0.00	1.200	1.509	5.00	23.848	28.62	124.3	516.5	2655.6
40.00		1.00	1.04	4.061	4.47	0.00	1.200	1.529	5.00	23.418	28.10	125.5	513.5	2609.9
45.00		1.00	1.07	4.163	4.58	0.00	1.200	1.547	5.00	22.988	27.59	126.3	509.5	2563.1
45.42	Bot - Section 2	1.00	1.07	4.171	4.59	0.00	1.200	1.549	0.42	1.896	2.27	10.4	42.4	211.6
48.90	RB1	1.00	1.09	4.236	4.66	0.00	1.200	1.560	3.48	16.029	19.23	89.6	359.2	2910.0
50.00		1.00	1.09	4.256	4.68	0.00	1.200	1.564	1.10	5.017	6.02	28.2	113.2	911.0
52.75	Top - Section 1	1.00	1.11	4.304	4.73	0.00	1.200	1.572	2.75	12.453	14.94	70.8	281.4	2259.5
55.00		1.00	1.12	4.342	4.78	0.00	1.200	1.579	2.25	10.091	12.11	57.8	229.1	949.9
57.15	RT1	1.00	1.12	4.378	4.82	0.00	1.200	1.585	2.15	9.560	11.47	55.2	217.9	900.1
60.00		1.00	1.14	4.423	4.86	0.00	1.200	1.592	2.85	12.549	15.06	73.3	286.8	1181.5
65.00		1.00	1.16	4.498	4.95	0.00	1.200	1.605	5.00	21.676	26.01	128.7	496.7	2039.4
70.00		1.00	1.17	4.569	5.03	0.00	1.200	1.617	5.00	21.240	25.49	128.1	489.7	1998.3
75.00		1.00	1.19	4.635	5.10	0.00	1.200	1.628	5.00	20.803	24.96	127.3	482.4	1956.8
80.00		1.00	1.21	4.699	5.17	0.00	1.200	1.639	5.00	20.366	24.44	126.3	474.8	1914.9
84.00	Bot - Section 3	1.00	1.22	4.747	5.22	0.00	1.200	1.647	4.00	15.977	19.17	100.1	374.8	1502.3
85.00		1.00	1.22	4.759	5.24	0.00	1.200	1.649	1.00	4.014	4.82	25.2	94.9	586.5
87.00	RB2	1.00	1.23	4.782	5.26	0.00	1.200	1.653	2.00	7.975	9.57	50.3	188.6	1164.5
90.00		1.00	1.24	4.817	5.30	0.00	1.200	1.658	3.00	11.832	14.20	75.2	279.9	1725.9
90.42	Top - Section 2	1.00	1.24	4.821	5.30	0.00	1.200	1.659	0.42	1.631	1.96	10.4	38.8	237.9
95.00		1.00	1.25	4.872	5.36	0.00	1.200	1.667	4.58	17.739	21.29	114.1	419.8	1358.0
100.00	Appurtenance(s)	1.00	1.27	4.925	5.42	0.00	1.200	1.676	5.00	18.931	22.72	123.1	449.3	1448.2
105.00		1.00	1.28	4.976	5.47	0.00	1.200	1.684	5.00	18.492	22.19	121.5	440.4	1413.7
109.50	Appurtenance(s)	1.00	1.29	5.020	5.52	0.00	1.200	1.691	4.50	16.267	19.52	107.8	389.0	1243.0
110.00		1.00	1.29	5.025	5.53	0.00	1.200	1.692	0.50	1.785	2.14	11.8	43.1	136.7
112.25	RT2	1.00	1.30	5.046	5.55	0.00	1.200	1.695	2.25	7.979	9.58	53.1	192.2	610.3
115.00		1.00	1.30	5.072	5.58	0.00	1.200	1.699	2.75	9.632	11.56	64.5	232.1	736.0
120.00		1.00	1.32	5.117	5.63	0.00	1.200	1.707	5.00	17.173	20.61	116.0	412.6	1308.9
123.58	Bot - Section 4	1.00	1.32	5.149	5.66	0.00	1.200	1.712	3.58	12.036	14.44	81.8	290.7	917.3
125.00		1.00	1.33	5.162	5.68	0.00	1.200	1.714	1.42	4.763	5.72	32.5	115.9	546.5
125.60	RB3	1.00	1.33	5.167	5.68	0.00	1.200	1.715	0.60	2.007	2.41	13.7	48.9	230.2
129.00	Top - Section 3	1.00	1.34	5.196	5.72	0.00	1.200	1.719	3.40	11.252	13.50	77.2	272.9	1287.9
130.00	Appurtenance(s)	1.00	1.34	5.204	5.72	0.00	1.200	1.720	1.00	3.270	3.92	22.5	79.9	207.5
135.00		1.00	1.35	5.246	5.77	0.00	1.200	1.727	5.00	16.090	19.31	111.4	389.4	1016.0
136.26	RT3	1.00	1.35	5.256	5.78	0.00	1.200	1.729	1.26	3.985	4.78	27.6	97.5	252.4
140.00		1.00	1.36	5.286	5.81	0.00	1.200	1.733	3.74	11.664	14.00	81.4	283.8	736.3
145.00		1.00	1.37	5.325	5.86	0.00	1.200	1.739	5.00	15.208	18.25	106.9	369.2	957.3
150.00		1.00	1.38	5.364	5.90	0.00	1.200	1.745	5.00	14.767	17.72	104.6	359.0	927.8
155.00	Appurtenance(s)	1.00	1.39	5.401	5.94	0.00	1.200	1.751	5.00	14.326	17.19	102.1	348.6	898.2
160.00		1.00	1.40	5.437	5.98	0.00	1.202 *	1.757	5.00	13.885	16.69	99.8	338.1	868.5
161.50	Appurtenance(s)	1.00	1.40	5.448	5.99	0.00	1.211 *	1.758	1.50	4.079	4.94	29.6	100.5	255.8

Wind Loading - Shaft

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 35	

Tower Engineering Solutions

165.00	1.00	1.41	5.472	6.02	0.00	1.218 *	1.762	3.50	9.363	11.40	68.6	229.2	585.0
165.25 Bot - Section 5	1.00	1.41	5.474	6.02	0.00	1.223 *	1.762	0.25	0.660	0.81	4.9	16.3	41.4
169.58 Top - Section 4	1.00	1.41	5.504	6.05	0.00	1.230 *	1.767	4.33	11.412	14.04	85.0	279.0	995.0
170.00	1.00	1.42	5.507	6.06	0.00	1.232 *	1.767	0.42	1.080	1.33	8.1	26.7	54.1
175.00 Appurtenance(s)	1.00	1.42	5.541	6.09	0.00	1.240 *	1.772	5.00	12.719	15.77	96.1	310.2	631.1
180.00	1.00	1.43	5.574	6.13	0.00	1.200	1.777	5.00	12.277	14.73	90.3	299.3	607.4
185.00 Appurtenance(s)	1.00	1.44	5.606	6.17	0.00	1.200	1.782	5.00	11.835	14.20	87.6	288.4	583.6
187.00 Appurtenance(s)	1.00	1.44	5.618	6.18	0.00	1.200	1.784	2.00	4.610	5.53	34.2	113.6	228.1
190.00	1.00	1.45	5.637	6.20	0.00	1.200	1.787	3.00	6.782	8.14	50.5	166.4	334.3
191.50 Appurtenance(s)	1.00	1.45	5.647	6.21	0.00	1.200	1.788	1.50	3.331	4.00	24.8	82.2	164.4
195.00	1.00	1.46	5.668	6.24	0.00	1.200	1.792	3.50	7.619	9.14	57.0	186.3	373.7
196.00 Appurtenance(s)	1.00	1.46	5.674	6.24	0.00	1.200	1.793	1.00	2.137	2.56	16.0	52.8	105.2
							Totals:	**196.00**			**4,457.4**		**69,104.8**

* CfA djusted byL inear Load RaE ffect

Discrete Appurtenance Forces

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 36	

Load Case: 1.2D + 1.0Di + 1.0Wi 40 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 26

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	196.00	6' Lightning rod	1	5.674	6.242	1.00	1.00	1.50	39.78	0.000	0.000	9.34	0.00	0.00
2	191.50	APXVTM14-C-120	3	5.647	6.211	0.70	0.80	15.80	697.20	0.000	0.000	98.16	0.00	0.00
3	191.50	APXVSPP18-C-A20	3	5.647	6.211	0.68	0.80	22.20	588.08	0.000	0.000	137.90	0.00	0.00
4	191.50	800MHz - RRU	3	5.647	6.211	0.56	0.80	6.15	354.87	0.000	0.000	38.21	0.00	0.00
5	191.50	1900MHz - RRU	3	5.647	6.211	0.56	0.80	8.78	400.39	0.000	0.000	54.52	0.00	0.00
6	191.50	RRH8x20-25 - RRU	3	5.647	6.211	0.56	0.80	8.21	593.34	0.000	0.000	50.97	0.00	0.00
7	191.50	800MHz Filter	3	5.647	6.211	0.56	0.80	2.42	70.92	0.000	0.000	15.06	0.00	0.00
8	191.50	ACU-A20-N - RET	4	5.647	6.211	0.62	0.80	1.11	17.21	0.000	0.000	6.88	0.00	0.00
9	191.50	Low Profile Platform	1	5.647	6.211	1.00	1.00	40.10	2841.28	0.000	0.000	249.06	0.00	0.00
10	187.00	Pipe mount	1	5.618	6.180	0.56	0.75	4.91	107.07	0.000	0.000	30.35	0.00	0.00
11	187.00	BA80-41-DIN	1	5.682	6.251	1.00	1.00	28.57	273.56	0.000	10.333	178.60	0.00	1845.49
12	185.00	CBC23SR-43	3	5.606	6.166	0.52	0.75	1.12	44.57	0.000	0.000	6.89	0.00	0.00
13	185.00	MT6407-77A	3	5.606	6.166	0.52	0.75	8.91	653.70	0.000	0.000	54.95	0.00	0.00
14	185.00	RFV01U-D2A	3	5.606	6.166	0.58	0.75	4.29	367.27	0.000	0.000	26.44	0.00	0.00
15	185.00	JAHH-65C-R3B-V2	6	5.606	6.166	0.62	0.75	54.07	2414.65	0.000	0.000	333.39	0.00	0.00
16	185.00	Low Profile	1	5.606	6.166	0.00	1.00	40.04	2836.65	0.000	0.000	246.87	0.00	0.00
17	185.00	RFV01U-D1A	3	5.606	6.166	0.62	0.75	4.56	355.28	0.000	0.000	28.13	0.00	0.00
18	185.00	DB-C1-12C-24AB-0Z	1	5.606	6.166	0.75	0.75	3.67	126.14	0.000	0.000	22.66	0.00	0.00
19	185.00	HRK12-HD	1	5.606	6.166	0.75	1.00	17.98	1387.31	0.000	0.000	110.88	0.00	0.00
20	185.00	BXA-70063 6CF_2	3	5.606	6.166	0.64	0.75	19.88	388.02	0.000	0.000	122.56	0.00	0.00
21	175.00	Low Profile Platform	1	5.541	6.095	1.00	1.00	39.94	2829.24	0.000	0.000	243.39	0.00	0.00
22	175.00	Powerwave LGP21401	12	5.541	6.095	0.75	0.75	19.25	422.52	0.000	0.000	117.31	0.00	0.00
23	175.00	Powerwave LGP13519	12	5.541	6.095	0.75	0.75	7.21	159.66	0.000	0.000	43.94	0.00	0.00
24	175.00	Ericsson RRUS 4449	3	5.541	6.095	0.50	0.75	3.81	377.43	0.000	0.000	23.21	0.00	0.00
25	175.00	Kathrein 800-10965	6	5.541	6.095	0.53	0.75	49.26	2602.82	0.000	0.000	300.19	0.00	0.00
26	175.00	Powerwave 7770	3	5.541	6.095	0.70	0.80	13.90	539.28	0.000	0.000	84.73	0.00	0.00
27	175.00	RRUS-12	3	5.541	6.095	0.56	0.80	6.37	275.05	0.000	0.000	38.84	0.00	0.00
28	175.00	DC6-48-60-18-8F	1	5.541	6.095	0.80	0.80	1.09	87.42	0.000	0.000	6.65	0.00	0.00
29	175.00	Ericsson RRUS 4478 B14	3	5.541	6.095	0.50	0.75	3.28	311.97	0.000	0.000	20.00	0.00	0.00
30	175.00	HRK12 (Handrail Kit)	1	5.541	6.095	1.00	1.00	13.45	891.20	0.000	0.000	81.97	0.00	0.00
31	175.00	Raycap	2	5.541	6.095	1.00	1.00	11.36	230.11	0.000	0.000	69.21	0.00	0.00
32	175.00	Ericsson RRUS 32 B30	3	5.541	6.095	0.50	0.75	5.25	485.11	0.000	0.000	31.98	0.00	0.00
33	161.50	Low Profile Platform	1	5.448	5.992	1.00	1.00	39.79	2818.62	0.000	0.000	238.46	0.00	0.00
34	155.00	APXVAARR24_43-U-NA2	3	5.401	5.941	0.56	0.80	37.21	1719.24	0.000	0.000	221.04	0.00	0.00
35	155.00	Radio 4449 B71 + B12	3	5.401	5.941	0.54	0.80	4.05	375.47	0.000	0.000	24.07	0.00	0.00
36	155.00	AIR 21 B4A/B2P	3	5.401	5.941	0.68	0.80	14.55	830.64	0.000	0.000	86.44	0.00	0.00
37	155.00	AIR 21 B2A/B4P	3	5.401	5.941	0.68	0.80	14.55	832.53	0.000	0.000	86.44	0.00	0.00
38	155.00	KRY 112 114 TMA	3	5.401	5.941	0.54	0.80	1.43	62.75	0.000	0.000	8.47	0.00	0.00
39	155.00	T-Arms w/ Handrail kit &	3	5.401	5.941	0.56	0.75	53.11	3301.14	0.000	0.000	315.52	0.00	0.00
40	130.00	ANT150F2	1	5.225	5.748	1.00	1.00	2.27	38.70	0.000	2.500	13.07	0.00	32.68
41	130.00	Standoff	1	5.204	5.725	0.56	0.75	4.79	104.14	0.000	0.000	27.42	0.00	0.00
42	109.50	Standoff	1	5.020	5.522	0.56	0.75	4.73	102.79	0.000	0.000	26.13	0.00	0.00
43	109.50	Standoff	5	5.020	5.522	0.56	0.75	23.66	513.96	0.000	0.000	130.66	0.00	0.00
44	109.50	4' Omni	1	5.039	5.543	1.00	1.00	1.84	33.41	0.000	2.000	10.18	0.00	20.37
45	109.50	14' Omni	5	5.086	5.594	1.00	1.00	45.23	601.53	0.000	7.000	253.06	0.00	1771.39
46	100.00	Standoff	1	4.925	5.417	0.56	0.75	4.70	102.09	0.000	0.000	25.48	0.00	0.00
47	100.00	MPRD	1	4.925	5.417	1.00	1.00	7.25	243.56	0.000	0.000	39.29	0.00	0.00

Discrete Appurtenance Forces

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 37	

Totals:	**35,449.65**	**4,388.99**

Total Applied Force Summary

Structure:	CT46138-A-SBA		**Code:**	EIA/TIA-222-G	8/9/2021
Site Name:	Torrington/Oandg Ind Inc		**Exposure:**	C	
Height:	196.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 38

Tower Engineering Solutions

Load Case: 1.2D + 1.0Di + 1.0Wi 40 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 26

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		114.83	3299.52	0.00	0.00
10.00		113.21	3289.62	0.00	0.00
15.00		111.46	3263.25	0.00	0.00
20.00		116.35	3229.65	0.00	0.00
25.00		119.92	3191.87	0.00	0.00
30.00		122.47	3151.34	0.00	0.00
35.00		124.29	3108.85	0.00	0.00
40.00		125.53	3064.85	0.00	0.00
45.00		126.31	3019.69	0.00	0.00
45.42		10.44	249.69	0.00	0.00
48.90		89.63	3228.93	0.00	0.00
50.00		28.19	1011.73	0.00	0.00
52.75		70.75	2511.85	0.00	0.00
55.00		57.84	1156.61	0.00	0.00
57.15		55.24	1097.89	0.00	0.00
60.00		73.26	1444.01	0.00	0.00
65.00		128.69	2501.18	0.00	0.00
70.00		128.09	2461.15	0.00	0.00
75.00		127.29	2420.66	0.00	0.00
80.00		126.32	2379.78	0.00	0.00
84.00		100.12	1874.72	0.00	0.00
85.00		25.21	679.65	0.00	0.00
87.00		50.35	1350.97	0.00	0.00
90.00		75.23	2005.85	0.00	0.00
90.42		10.38	276.83	0.00	0.00
95.00		114.08	1786.53	0.00	0.00
100.00	(2) attachments	187.84	2262.12	0.00	0.00
105.00		121.45	1882.45	0.00	0.00
109.50	(12) attachments	527.82	2917.20	0.00	1791.76
110.00		11.84	183.11	0.00	0.00
112.25		53.15	819.11	0.00	0.00
115.00		64.48	991.48	0.00	0.00
120.00		116.00	1774.04	0.00	0.00
123.58		81.81	1251.03	0.00	0.00
125.00		32.45	678.44	0.00	0.00
125.60		13.69	286.12	0.00	0.00
129.00		77.18	1604.94	0.00	0.00
130.00	(2) attachments	62.96	443.61	0.00	32.68
135.00		111.42	1453.72	0.00	0.00
136.26		27.65	362.70	0.00	0.00
140.00		81.39	1064.02	0.00	0.00
145.00		106.91	1395.94	0.00	0.00
150.00		104.55	1329.41	0.00	0.00
155.00	(18) attachments	844.11	8421.95	0.00	0.00
160.00		99.84	1188.29	0.00	0.00
161.50	(1) attachments	268.05	3170.44	0.00	0.00

Total Applied Force Summary

Structure:	CT46138-A-SBA		**Code:**	EIA/TIA-222-G	8/9/2021
Site Name:	Torrington/Oandg Ind Inc		**Exposure:**	C	
Height:	196.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 39

165.00		68.64	809.17	0.00	0.00
165.25		4.86	57.41	0.00	0.00
169.58		84.99	1272.74	0.00	0.00
170.00		8.06	80.78	0.00	0.00
175.00	(50) attachments	1157.56	10163.80	0.00	0.00
180.00		90.32	714.86	0.00	0.00
185.00	(24) attachments	1040.35	9264.67	0.00	0.00
187.00	(2) attachments	243.14	634.09	0.00	1845.49
190.00		50.47	370.49	0.00	0.00
191.50	(23) attachments	675.59	5745.79	0.00	0.00
195.00		57.00	373.69	0.00	0.00
196.00	(1) attachments	25.35	144.95	0.00	0.00
	Totals:	**8,846.39**	**120,169.29**	**0.00**	**3,669.93**

Linear Appurtenance Segment Forces (Factored)

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 40	

Load Case: 1.2D + 1.0Di + 1.0Wi 40 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 26

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
5.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.058	0.000	3.308	0.00	51.40
5.00	3" Conduit	Yes	5.00	0.000	3.00	2.29	0.00	0.058	0.000	3.308	0.00	37.33
5.00	7/8" Coax	Yes	5.00	0.000	0.52	1.25	0.00	0.058	0.000	3.308	0.00	18.42
10.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.059	0.000	3.308	0.00	54.19
10.00	3" Conduit	Yes	5.00	0.000	3.00	2.36	0.00	0.059	0.000	3.308	0.00	39.77
10.00	7/8" Coax	Yes	5.00	0.000	0.52	1.33	0.00	0.059	0.000	3.308	0.00	20.21
15.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.060	0.000	3.308	0.00	55.96
15.00	3" Conduit	Yes	5.00	0.000	3.00	2.41	0.00	0.060	0.000	3.308	0.00	41.33
15.00	7/8" Coax	Yes	5.00	0.000	0.52	1.37	0.00	0.060	0.000	3.308	0.00	21.36
20.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.061	0.000	3.509	0.00	57.29
20.00	3" Conduit	Yes	5.00	0.000	3.00	2.44	0.00	0.061	0.000	3.509	0.00	42.50
20.00	7/8" Coax	Yes	5.00	0.000	0.52	1.41	0.00	0.061	0.000	3.509	0.00	22.23
25.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.062	0.000	3.678	0.00	58.35
25.00	3" Conduit	Yes	5.00	0.000	3.00	2.47	0.00	0.062	0.000	3.678	0.00	43.44
25.00	7/8" Coax	Yes	5.00	0.000	0.52	1.43	0.00	0.062	0.000	3.678	0.00	22.93
30.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.064	0.000	3.822	0.00	59.26
30.00	3" Conduit	Yes	5.00	0.000	3.00	2.49	0.00	0.064	0.000	3.822	0.00	44.23
30.00	7/8" Coax	Yes	5.00	0.000	0.52	1.45	0.00	0.064	0.000	3.822	0.00	23.53
35.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.065	0.000	3.948	0.00	60.04
35.00	3" Conduit	Yes	5.00	0.000	3.00	2.51	0.00	0.065	0.000	3.948	0.00	44.93
35.00	7/8" Coax	Yes	5.00	0.000	0.52	1.47	0.00	0.065	0.000	3.948	0.00	24.05
40.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.066	0.000	4.061	0.00	60.73
40.00	3" Conduit	Yes	5.00	0.000	3.00	2.52	0.00	0.066	0.000	4.061	0.00	45.54
40.00	7/8" Coax	Yes	5.00	0.000	0.52	1.49	0.00	0.066	0.000	4.061	0.00	24.52
45.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.068	0.000	4.163	0.00	61.35
45.00	3" Conduit	Yes	5.00	0.000	3.00	2.54	0.00	0.068	0.000	4.163	0.00	46.09
45.00	7/8" Coax	Yes	5.00	0.000	0.52	1.51	0.00	0.068	0.000	4.163	0.00	24.94
45.42	2" Conduit	Yes	0.42	0.000	0.00	0.00	0.00	0.068	0.000	4.171	0.00	5.12
45.42	3" Conduit	Yes	0.42	0.000	3.00	0.21	0.00	0.068	0.000	4.171	0.00	3.84
45.42	7/8" Coax	Yes	0.42	0.000	0.52	0.13	0.00	0.068	0.000	4.171	0.00	2.08
48.90	2" Conduit	Yes	3.48	0.000	0.00	0.00	0.00	0.069	0.000	4.236	0.00	43.05
48.90	3" Conduit	Yes	3.48	0.000	3.00	1.78	0.00	0.069	0.000	4.236	0.00	32.39
48.90	7/8" Coax	Yes	3.48	0.000	0.52	1.06	0.00	0.069	0.000	4.236	0.00	17.58
50.00	2" Conduit	Yes	1.10	0.000	0.00	0.00	0.00	0.070	0.000	4.256	0.00	13.62
50.00	3" Conduit	Yes	1.10	0.000	3.00	0.56	0.00	0.070	0.000	4.256	0.00	10.25
50.00	7/8" Coax	Yes	1.10	0.000	0.52	0.33	0.00	0.070	0.000	4.256	0.00	5.57
52.75	2" Conduit	Yes	2.75	0.000	0.00	0.00	0.00	0.070	0.000	4.304	0.00	34.21
52.75	3" Conduit	Yes	2.75	0.000	3.00	1.41	0.00	0.070	0.000	4.304	0.00	25.77
52.75	7/8" Coax	Yes	2.75	0.000	0.52	0.84	0.00	0.070	0.000	4.304	0.00	14.03
55.00	2" Conduit	Yes	2.25	0.000	0.00	0.00	0.00	0.069	0.000	4.342	0.00	28.10
55.00	3" Conduit	Yes	2.25	0.000	3.00	1.15	0.00	0.069	0.000	4.342	0.00	21.18
55.00	7/8" Coax	Yes	2.25	0.000	0.52	0.69	0.00	0.069	0.000	4.342	0.00	11.55
57.15	2" Conduit	Yes	2.15	0.000	0.00	0.00	0.00	0.070	0.000	4.378	0.00	26.94
57.15	3" Conduit	Yes	2.15	0.000	3.00	1.11	0.00	0.070	0.000	4.378	0.00	20.31
57.15	7/8" Coax	Yes	2.15	0.000	0.52	0.66	0.00	0.070	0.000	4.378	0.00	11.10
60.00	2" Conduit	Yes	2.85	0.000	0.00	0.00	0.00	0.071	0.000	4.423	0.00	35.86
60.00	3" Conduit	Yes	2.85	0.000	3.00	1.47	0.00	0.071	0.000	4.423	0.00	27.07

Linear Appurtenance Segment Forces (Factored)

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 41	

Tower Engineering Solutions

Load Case: 1.2D + 1.0Di + 1.0Wi 40 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 26

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
60.00	7/8" Coax	Yes	2.85	0.000	0.52	0.88	0.00	0.071	0.000	4.423	0.00	14.82
65.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.072	0.000	4.498	0.00	63.37
65.00	3" Conduit	Yes	5.00	0.000	3.00	2.59	0.00	0.072	0.000	4.498	0.00	47.88
65.00	7/8" Coax	Yes	5.00	0.000	0.52	1.55	0.00	0.072	0.000	4.498	0.00	26.30
70.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.074	0.000	4.569	0.00	63.79
70.00	3" Conduit	Yes	5.00	0.000	3.00	2.60	0.00	0.074	0.000	4.569	0.00	48.26
70.00	7/8" Coax	Yes	5.00	0.000	0.52	1.56	0.00	0.074	0.000	4.569	0.00	26.59
75.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.075	0.000	4.635	0.00	64.19
75.00	3" Conduit	Yes	5.00	0.000	3.00	2.61	0.00	0.075	0.000	4.635	0.00	48.61
75.00	7/8" Coax	Yes	5.00	0.000	0.52	1.57	0.00	0.075	0.000	4.635	0.00	26.86
80.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.077	0.000	4.699	0.00	64.56
80.00	3" Conduit	Yes	5.00	0.000	3.00	2.62	0.00	0.077	0.000	4.699	0.00	48.94
80.00	7/8" Coax	Yes	5.00	0.000	0.52	1.58	0.00	0.077	0.000	4.699	0.00	27.12
84.00	2" Conduit	Yes	4.00	0.000	0.00	0.00	0.00	0.079	0.000	4.747	0.00	51.88
84.00	3" Conduit	Yes	4.00	0.000	3.00	2.10	0.00	0.079	0.000	4.747	0.00	39.36
84.00	7/8" Coax	Yes	4.00	0.000	0.52	1.27	0.00	0.079	0.000	4.747	0.00	21.85
85.00	2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	0.080	0.000	4.759	0.00	12.98
85.00	3" Conduit	Yes	1.00	0.000	3.00	0.52	0.00	0.080	0.000	4.759	0.00	9.85
85.00	7/8" Coax	Yes	1.00	0.000	0.52	0.32	0.00	0.080	0.000	4.759	0.00	5.47
87.00	2" Conduit	Yes	2.00	0.000	0.00	0.00	0.00	0.080	0.000	4.782	0.00	26.02
87.00	3" Conduit	Yes	2.00	0.000	3.00	1.05	0.00	0.080	0.000	4.782	0.00	19.75
87.00	7/8" Coax	Yes	2.00	0.000	0.52	0.64	0.00	0.080	0.000	4.782	0.00	10.98
90.00	2" Conduit	Yes	3.00	0.000	0.00	0.00	0.00	0.081	0.000	4.817	0.00	39.15
90.00	3" Conduit	Yes	3.00	0.000	3.00	1.58	0.00	0.081	0.000	4.817	0.00	29.74
90.00	7/8" Coax	Yes	3.00	0.000	0.52	0.96	0.00	0.081	0.000	4.817	0.00	16.55
90.42	2" Conduit	Yes	0.42	0.000	0.00	0.00	0.00	0.082	0.000	4.821	0.00	5.44
90.42	3" Conduit	Yes	0.42	0.000	3.00	0.22	0.00	0.082	0.000	4.821	0.00	4.13
90.42	7/8" Coax	Yes	0.42	0.000	0.52	0.13	0.00	0.082	0.000	4.821	0.00	2.30
95.00	2" Conduit	Yes	4.58	0.000	0.00	0.00	0.00	0.082	0.000	4.872	0.00	60.11
95.00	3" Conduit	Yes	4.58	0.000	3.00	2.42	0.00	0.082	0.000	4.872	0.00	45.69
95.00	7/8" Coax	Yes	4.58	0.000	0.52	1.47	0.00	0.082	0.000	4.872	0.00	25.49
100.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.084	0.000	4.925	0.00	65.88
100.00	3" Conduit	Yes	5.00	0.000	3.00	2.65	0.00	0.084	0.000	4.925	0.00	50.12
100.00	7/8" Coax	Yes	5.00	0.000	0.52	1.61	0.00	0.084	0.000	4.925	0.00	28.02
105.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.086	0.000	4.976	0.00	66.18
105.00	3" Conduit	Yes	5.00	0.000	3.00	2.65	0.00	0.086	0.000	4.976	0.00	50.39
105.00	7/8" Coax	Yes	5.00	0.000	0.52	1.62	0.00	0.086	0.000	4.976	0.00	28.23
109.50	2" Conduit	Yes	4.50	0.000	0.00	0.00	0.00	0.088	0.000	5.020	0.00	59.79
109.50	3" Conduit	Yes	4.50	0.000	3.00	2.39	0.00	0.088	0.000	5.020	0.00	45.55
109.50	7/8" Coax	Yes	4.50	0.000	0.52	1.46	0.00	0.088	0.000	5.020	0.00	25.56
110.00	2" Conduit	Yes	0.50	0.000	0.00	0.00	0.00	0.089	0.000	5.025	0.00	6.65
110.00	3" Conduit	Yes	0.50	0.000	3.00	0.27	0.00	0.089	0.000	5.025	0.00	5.06
110.00	7/8" Coax	Yes	0.50	0.000	0.52	0.16	0.00	0.089	0.000	5.025	0.00	2.84
112.25	2" Conduit	Yes	2.25	0.000	0.00	0.00	0.00	0.090	0.000	5.046	0.00	29.96
112.25	3" Conduit	Yes	2.25	0.000	3.00	1.20	0.00	0.090	0.000	5.046	0.00	22.84
112.25	7/8" Coax	Yes	2.25	0.000	0.52	0.73	0.00	0.090	0.000	5.046	0.00	12.83
115.00	2" Conduit	Yes	2.75	0.000	0.00	0.00	0.00	0.091	0.000	5.072	0.00	36.71

Linear Appurtenance Segment Forces (Factored)

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 42	

Load Case: 1.2D + 1.0Di + 1.0Wi 40 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 26

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
115.00	3" Conduit	Yes	2.75	0.000	3.00	1.47	0.00	0.091	0.000	5.072	0.00	27.99
115.00	7/8" Coax	Yes	2.75	0.000	0.52	0.90	0.00	0.091	0.000	5.072	0.00	15.74
120.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.093	0.000	5.117	0.00	67.00
120.00	3" Conduit	Yes	5.00	0.000	3.00	2.67	0.00	0.093	0.000	5.117	0.00	51.12
120.00	7/8" Coax	Yes	5.00	0.000	0.52	1.64	0.00	0.093	0.000	5.117	0.00	28.79
123.58	2" Conduit	Yes	3.58	0.000	0.00	0.00	0.00	0.095	0.000	5.149	0.00	48.15
123.58	3" Conduit	Yes	3.58	0.000	3.00	1.92	0.00	0.095	0.000	5.149	0.00	36.75
123.58	7/8" Coax	Yes	3.58	0.000	0.52	1.18	0.00	0.095	0.000	5.149	0.00	20.73
125.00	2" Conduit	Yes	1.42	0.000	0.00	0.00	0.00	0.097	0.000	5.162	0.00	19.06
125.00	3" Conduit	Yes	1.42	0.000	3.00	0.76	0.00	0.097	0.000	5.162	0.00	14.55
125.00	7/8" Coax	Yes	1.42	0.000	0.52	0.47	0.00	0.097	0.000	5.162	0.00	8.21
125.60	2" Conduit	Yes	0.60	0.000	0.00	0.00	0.00	0.097	0.000	5.167	0.00	8.07
125.60	3" Conduit	Yes	0.60	0.000	3.00	0.32	0.00	0.097	0.000	5.167	0.00	6.16
125.60	7/8" Coax	Yes	0.60	0.000	0.52	0.20	0.00	0.097	0.000	5.167	0.00	3.48
129.00	2" Conduit	Yes	3.40	0.000	0.00	0.00	0.00	0.099	0.000	5.196	0.00	45.87
129.00	3" Conduit	Yes	3.40	0.000	3.00	1.82	0.00	0.099	0.000	5.196	0.00	35.04
129.00	7/8" Coax	Yes	3.40	0.000	0.52	1.12	0.00	0.099	0.000	5.196	0.00	19.79
130.00	2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	0.098	0.000	5.204	0.00	13.50
130.00	3" Conduit	Yes	1.00	0.000	3.00	0.54	0.00	0.098	0.000	5.204	0.00	10.31
130.00	7/8" Coax	Yes	1.00	0.000	0.52	0.33	0.00	0.098	0.000	5.204	0.00	5.83
135.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.085	0.000	5.246	0.00	67.74
135.00	3" Conduit	Yes	5.00	0.000	3.00	2.69	0.00	0.085	0.000	5.246	0.00	51.78
136.26	2" Conduit	Yes	1.26	0.000	0.00	0.00	0.00	0.087	0.000	5.256	0.00	17.09
136.26	3" Conduit	Yes	1.26	0.000	3.00	0.68	0.00	0.087	0.000	5.256	0.00	13.06
140.00	2" Conduit	Yes	3.74	0.000	0.00	0.00	0.00	0.088	0.000	5.286	0.00	50.84
140.00	3" Conduit	Yes	3.74	0.000	3.00	2.02	0.00	0.088	0.000	5.286	0.00	38.89
145.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.091	0.000	5.325	0.00	68.19
145.00	3" Conduit	Yes	5.00	0.000	3.00	2.70	0.00	0.091	0.000	5.325	0.00	52.19
150.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.094	0.000	5.364	0.00	68.41
150.00	3" Conduit	Yes	5.00	0.000	3.00	2.70	0.00	0.094	0.000	5.364	0.00	52.38
155.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.097	0.000	5.401	0.00	68.62
155.00	3" Conduit	Yes	5.00	0.000	3.00	2.71	0.00	0.097	0.000	5.401	0.00	52.57
160.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.101	1.002	5.437	0.00	68.83
160.00	3" Conduit	Yes	5.00	0.000	3.00	2.71	0.00	0.101	1.002	5.437	0.00	52.76
161.50	2" Conduit	Yes	1.50	0.000	0.00	0.00	0.00	0.103	1.009	5.448	0.00	20.67
161.50	3" Conduit	Yes	1.50	0.000	3.00	0.81	0.00	0.103	1.009	5.448	0.00	15.84
165.00	2" Conduit	Yes	3.50	0.000	0.00	0.00	0.00	0.105	1.015	5.472	0.00	48.32
165.00	3" Conduit	Yes	3.50	0.000	3.00	1.90	0.00	0.105	1.015	5.472	0.00	37.05
165.25	2" Conduit	Yes	0.25	0.000	0.00	0.00	0.00	0.106	1.019	5.474	0.00	3.45
165.25	3" Conduit	Yes	0.25	0.000	3.00	0.14	0.00	0.106	1.019	5.474	0.00	2.65
169.58	2" Conduit	Yes	4.33	0.000	0.00	0.00	0.00	0.108	1.025	5.504	0.00	59.98
169.58	3" Conduit	Yes	4.33	0.000	3.00	2.36	0.00	0.108	1.025	5.504	0.00	46.02
170.00	2" Conduit	Yes	0.42	0.000	0.00	0.00	0.00	0.109	1.027	5.507	0.00	5.77
170.00	3" Conduit	Yes	0.42	0.000	3.00	0.23	0.00	0.109	1.027	5.507	0.00	4.43
175.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.111	1.034	5.541	0.00	69.42
175.00	3" Conduit	Yes	5.00	0.000	3.00	2.73	0.00	0.111	1.034	5.541	0.00	53.28

Linear Appurtenance Segment Forces (Factored)

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 43	

Tower Engineering Solutions

Load Case: 1.2D + 1.0Di + 1.0Wi 40 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 26

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
										Totals:	**0.0**	**4,606.6**

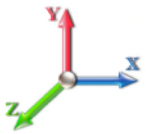
Calculated Forces

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 44	

Load Case: 1.2D + 1.0Di + 1.0Wi 40 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 26

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-120.1	-8.88	0.00	-1286.3	0.00	1286.34	8794.96	4397.48	21496.0	10671.5	0.00	0.000	0.000	0.134
5.00	-116.8	-8.84	0.00	-1241.9	0.00	1241.93	8639.43	4319.71	20738.5	10295.5	0.02	-0.034	0.000	0.134
10.00	-113.5	-8.79	0.00	-1197.7	0.00	1197.75	8483.89	4241.95	19994.7	9926.22	0.07	-0.069	0.000	0.134
15.00	-110.3	-8.74	0.00	-1153.8	0.00	1153.80	8328.36	4164.18	19264.4	9563.67	0.16	-0.104	0.000	0.134
20.00	-107.0	-8.69	0.00	-1110.0	0.00	1110.09	8172.83	4086.41	18547.7	9207.87	0.29	-0.140	0.000	0.134
25.00	-103.8	-8.62	0.00	-1066.6	0.00	1066.66	8017.29	4008.65	17844.6	8858.82	0.46	-0.177	0.000	0.133
30.00	-100.7	-8.56	0.00	-1023.5	0.00	1023.54	7861.76	3930.88	17155.1	8516.51	0.66	-0.214	0.000	0.133
35.00	-97.60	-8.49	0.00	-980.75	0.00	980.75	7706.22	3853.11	16479.1	8180.95	0.91	-0.252	0.000	0.133
40.00	-94.53	-8.41	0.00	-938.32	0.00	938.32	7550.69	3775.35	15816.8	7852.13	1.19	-0.290	0.000	0.132
45.00	-91.50	-8.30	0.00	-896.27	0.00	896.27	7395.16	3697.58	15168.0	7530.06	1.52	-0.329	0.000	0.131
45.42	-91.25	-8.31	0.00	-892.82	0.00	892.82	7382.20	3691.10	15114.6	7503.52	1.55	-0.333	0.000	0.131
48.90	-88.02	-8.23	0.00	-863.86	0.00	863.86	7273.84	3636.92	14671.4	7283.52	1.80	-0.361	0.000	0.087
50.00	-87.01	-8.21	0.00	-854.80	0.00	854.80	7239.62	3619.81	14532.8	7214.73	1.88	-0.367	0.000	0.087
52.75	-84.50	-8.14	0.00	-832.22	0.00	832.22	5810.43	2905.21	11825.7	5870.80	2.10	-0.382	0.000	0.089
55.00	-83.34	-8.10	0.00	-813.90	0.00	813.90	5769.82	2884.91	11629.7	5773.48	2.28	-0.394	0.000	0.097
57.15	-82.24	-8.06	0.00	-796.49	0.00	796.49	5730.75	2865.38	11443.3	5680.95	2.46	-0.407	0.000	0.096
57.15	-82.24	-8.06	0.00	-796.49	0.00	796.49	5730.75	2865.38	11443.3	5680.95	2.46	-0.407	0.000	0.096
60.00	-80.79	-8.02	0.00	-773.53	0.00	773.53	5678.55	2839.28	11197.7	5559.03	2.71	-0.424	0.000	0.153
65.00	-78.28	-7.94	0.00	-733.43	0.00	733.43	5551.73	2775.86	10705.1	5314.51	3.18	-0.473	0.000	0.152
70.00	-75.82	-7.85	0.00	-693.74	0.00	693.74	5427.30	2713.65	10228.2	5077.73	3.70	-0.522	0.000	0.151
75.00	-73.39	-7.77	0.00	-654.48	0.00	654.48	5302.88	2651.44	9762.15	4846.34	4.27	-0.571	0.000	0.149
80.00	-71.01	-7.67	0.00	-615.65	0.00	615.65	5178.45	2589.22	9306.93	4620.35	4.90	-0.621	0.000	0.147
84.00	-69.13	-7.58	0.00	-584.96	0.00	584.96	5078.91	2539.45	8950.59	4443.45	5.44	-0.662	0.000	0.145
85.00	-68.45	-7.57	0.00	-577.38	0.00	577.38	5054.02	2527.01	8862.59	4399.76	5.58	-0.672	0.000	0.145
87.00	-67.09	-7.52	0.00	-562.24	0.00	562.24	5004.25	2502.13	8687.89	4313.04	5.86	-0.693	0.000	0.087
90.00	-65.09	-7.44	0.00	-539.68	0.00	539.68	4929.59	2464.80	8429.11	4184.57	6.30	-0.712	0.000	0.086
90.42	-64.81	-7.44	0.00	-536.58	0.00	536.58	3591.78	1795.89	6277.53	3116.43	6.37	-0.714	0.000	0.091
95.00	-63.02	-7.34	0.00	-502.48	0.00	502.48	3535.98	1767.99	6038.44	2997.74	7.07	-0.742	0.000	0.100
100.00	-60.76	-7.16	0.00	-465.80	0.00	465.80	3473.75	1736.87	5780.45	2869.66	7.86	-0.777	0.000	0.096
105.00	-58.87	-7.04	0.00	-430.02	0.00	430.02	3410.09	1705.04	5525.58	2743.13	8.69	-0.811	0.000	0.092
109.50	-55.96	-6.49	0.00	-396.54	0.00	396.54	3351.58	1675.79	5299.03	2630.66	9.47	-0.841	0.000	0.087
110.00	-55.78	-6.48	0.00	-393.30	0.00	393.30	3345.00	1672.50	5274.03	2618.25	9.56	-0.845	0.000	0.087
112.25	-54.96	-6.43	0.00	-378.71	0.00	378.71	3315.25	1657.63	5161.96	2562.62	9.96	-0.860	0.000	0.085
112.25	-54.96	-6.43	0.00	-378.71	0.00	378.71	3315.25	1657.63	5161.96	2562.62	9.96	-0.860	0.000	0.085
115.00	-53.96	-6.39	0.00	-361.02	0.00	361.02	3278.49	1639.25	5025.98	2495.11	10.46	-0.878	0.000	0.161
120.00	-52.18	-6.30	0.00	-329.07	0.00	329.07	3210.56	1605.28	4781.62	2373.80	11.42	-0.941	0.000	0.155
123.58	-50.93	-6.22	0.00	-306.50	0.00	306.50	3148.16	1574.08	4590.15	2278.75	12.14	-0.986	0.000	0.151
125.00	-50.25	-6.19	0.00	-297.69	0.00	297.69	3121.72	1560.86	4512.97	2240.43	12.44	-1.004	0.000	0.149
125.60	-49.96	-6.18	0.00	-293.97	0.00	293.97	3110.52	1555.26	4480.48	2224.30	12.56	-1.012	0.000	0.084
129.00	-48.36	-6.09	0.00	-272.95	0.00	272.95	2149.47	1074.74	3099.22	1538.58	13.29	-1.036	0.000	0.089
130.00	-47.92	-6.04	0.00	-266.83	0.00	266.83	2141.27	1070.63	3068.69	1523.43	13.51	-1.043	0.000	0.099
135.00	-46.46	-5.92	0.00	-236.63	0.00	236.63	2099.38	1049.69	2916.97	1448.11	14.62	-1.080	0.000	0.091
136.26	-46.10	-5.90	0.00	-229.17	0.00	229.17	2088.60	1044.30	2879.00	1429.26	14.91	-1.090	0.000	0.090
136.26	-46.10	-5.90	0.00	-229.17	0.00	229.17	2088.60	1044.30	2879.00	1429.26	14.91	-1.090	0.000	0.090
140.00	-45.03	-5.84	0.00	-207.11	0.00	207.11	2056.07	1028.04	2766.99	1373.65	15.77	-1.117	0.000	0.173
145.00	-43.63	-5.75	0.00	-177.92	0.00	177.92	2011.34	1005.67	2618.95	1300.16	16.98	-1.186	0.000	0.159
150.00	-42.30	-5.67	0.00	-149.16	0.00	149.16	1965.18	982.59	2473.01	1227.71	18.26	-1.251	0.000	0.143
155.00	-33.89	-4.67	0.00	-120.83	0.00	120.83	1917.59	958.80	2329.38	1156.40	19.60	-1.311	0.000	0.122

Calculated Forces

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 45	

160.00	-32.70	-4.56	0.00	-97.49	0.00	97.49	1868.58	934.29	2188.24	1086.34	21.01	-1.364	0.000	0.107
161.50	-29.54	-4.23	0.00	-90.66	0.00	90.66	1853.60	926.80	2146.41	1065.57	21.44	-1.380	0.000	0.101
165.00	-28.73	-4.15	0.00	-75.86	0.00	75.86	1818.15	909.07	2049.77	1017.59	22.46	-1.413	0.000	0.090
165.25	-28.67	-4.15	0.00	-74.82	0.00	74.82	1815.59	907.79	2042.92	1014.19	22.53	-1.415	0.000	0.090
169.58	-27.40	-4.04	0.00	-56.83	0.00	56.83	1040.26	520.13	1155.41	573.59	23.84	-1.450	0.000	0.125
170.00	-27.32	-4.05	0.00	-55.15	0.00	55.15	1038.39	519.19	1149.55	570.68	23.96	-1.453	0.000	0.123
175.00	-17.18	-2.64	0.00	-34.92	0.00	34.92	1015.17	507.59	1079.51	535.91	25.51	-1.497	0.000	0.082
180.00	-16.47	-2.54	0.00	-21.74	0.00	21.74	990.53	495.27	1010.05	501.43	27.10	-1.529	0.000	0.060
185.00	-7.24	-1.25	0.00	-9.06	0.00	9.06	964.47	482.24	941.35	467.32	28.71	-1.548	0.000	0.027
187.00	-6.61	-0.99	0.00	-4.72	0.00	4.72	953.65	476.82	914.12	453.81	29.36	-1.552	0.000	0.017
190.00	-6.24	-0.93	0.00	-1.76	0.00	1.76	936.98	468.49	873.60	433.69	30.33	-1.555	0.000	0.011
191.50	-0.52	-0.10	0.00	-0.37	0.00	0.37	928.46	464.23	853.48	423.70	30.82	-1.556	0.000	0.001
195.00	-0.14	-0.03	0.00	-0.03	0.00	0.03	908.07	454.03	806.98	400.62	31.96	-1.556	0.000	0.000
196.00	0.00	-0.03	0.00	0.00	0.00	0.00	902.11	451.06	793.81	394.08	32.29	-1.556	0.000	0.000

Seismic Segment Forces (Factored)

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 46	

Tower Engineering Solutions

Load Case:	1.2D + 1.0E							**Iterations**	24
Gust Response Factor	1.10				**Sds**	0.19		**Ss**	0.18
Dead Load Factor	1.20	**Seismic Load Factor**	1.00		**Sd1**	0.10		**S1**	0.07
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.27		**SA**	0.03	**Seismic Importance Factor**		1.00

Top Elev (ft)	Description	Wz (lb)	a	b	c	Lateral Fs (lb)	R: 1.50
0.00		0.00	0.00	0.00	0.00	0.00	
5.00		1996.2	0.00	0.03	0.01	36.15	
10.00		1960.6	0.00	0.04	0.03	52.60	
15.00		1925.0	0.01	0.06	0.03	60.85	
20.00		1889.4	0.02	0.06	0.04	64.90	
25.00		1853.8	0.03	0.07	0.04	66.68	
30.00		1818.1	0.04	0.07	0.04	67.28	
35.00		1782.5	0.06	0.07	0.04	67.35	
40.00		1746.9	0.08	0.07	0.04	67.23	
45.00		1711.3	0.10	0.07	0.04	67.10	
45.42	Bot - Section 2	141.00	0.10	0.07	0.04	5.54	
48.90	RB1	2125.6	0.12	0.07	0.03	84.59	
50.00		664.80	0.12	0.07	0.03	26.56	
52.75	Top - Section 1	1648.4	0.14	0.07	0.03	66.53	
55.00		600.65	0.15	0.07	0.03	24.42	
57.15	RT1	568.56	0.16	0.07	0.03	23.26	
60.00		745.55	0.18	0.07	0.03	30.68	
65.00		1285.6	0.21	0.06	0.02	52.99	
70.00		1257.1	0.24	0.06	0.02	50.92	
75.00		1228.6	0.28	0.05	0.01	47.45	
80.00		1200.1	0.31	0.04	0.01	42.06	
84.00	Bot - Section 3	939.59	0.35	0.03	0.01	28.78	
85.00		409.65	0.36	0.03	0.01	12.00	
87.00	RB2	813.31	0.37	0.03	0.01	21.38	
90.00		1205.0	0.40	0.02	0.01	25.30	
90.42	Top - Section 2	165.94	0.40	0.02	0.01	3.35	
95.00		781.83	0.44	0.00	0.01	8.00	
100.00	Appurtenance(s)	908.43	0.49	-0.01	0.01	-2.06	
105.00		811.06	0.54	-0.03	0.01	-12.29	
109.50	Appurtenance(s)	1161.6	0.59	-0.05	0.01	-29.92	
110.00		78.01	0.60	-0.05	0.01	-2.09	
112.25	RT2	348.39	0.62	-0.06	0.02	-10.92	
115.00		419.93	0.65	-0.07	0.02	-15.14	
120.00		746.94	0.71	-0.09	0.03	-31.48	
123.58	Bot - Section 4	522.16	0.75	-0.10	0.04	-23.22	
125.00		358.80	0.77	-0.11	0.05	-16.11	
125.60	RB3	151.06	0.78	-0.11	0.05	-6.80	
129.00	Top - Section 3	845.83	0.82	-0.12	0.06	-37.85	
130.00	Appurtenance(s)	159.35	0.83	-0.12	0.06	-7.07	
135.00		522.14	0.90	-0.12	0.09	-21.27	
136.26	RT3	129.05	0.91	-0.12	0.09	-5.08	
140.00		377.06	0.96	-0.12	0.11	-12.85	
145.00		490.09	1.03	-0.10	0.15	-12.00	
150.00		474.06	1.11	-0.07	0.19	-5.69	
155.00	Appurtenance(s)	3133.4	1.18	-0.01	0.24	10.44	
160.00		442.00	1.26	0.07	0.30	9.53	

Seismic Segment Forces (Factored)

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 47	

161.50	Appurtenance(s)	1629.4	1.28	0.10	0.32	44.97			
165.00		296.50	1.34	0.18	0.37	12.67			
165.25	Bot - Section 5	20.88	1.34	0.19	0.38	0.92			
169.58	Top - Section 4	596.66	1.41	0.31	0.45	38.62			
170.00		22.76	1.42	0.33	0.45	1.52			
175.00	Appurtenance(s)	3804.5	1.51	0.52	0.55	357.69			
180.00		256.70	1.59	0.76	0.66	31.90			
185.00	Appurtenance(s)	3433.8	1.68	1.06	0.79	541.44			
187.00	Appurtenance(s)	203.41	1.72	1.20	0.85	34.97			
190.00		139.91	1.78	1.43	0.94	27.19			
191.50	Appurtenance(s)	2438.9	1.80	1.56	0.98	502.24			
195.00		156.13	1.87	1.88	1.10	36.57			
196.00	Appurtenance(s)	50.15	1.89	1.98	1.14	12.16			
	Totals:	**57,595.0**				**2,514.9**	**Total Wind:**	**46,786.7**	

Seismic Base Shear is Less Than 50% of Wind Force - An Analysis is NOT Required

Calculated Forces

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 48	

Tower Engineering Solutions

Load Case:	1.2D + 1.0E							**Iterations**	24
Gust Response Factor	1.10			**Sds**	0.19			**Ss**	0.18
Dead Load Factor	1.20	**Seismic Load Factor**	1.00	**Sd1**	0.10			**S1**	0.07
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.27	**SA**	0.03	**Seismic Importance Factor**			1.00

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-81.22	-2.77	0.00	-376.71	0.00	376.71	8794.96	4397.48	21496.0	10671.5		0.00	0.00	0.045
5.00	-78.47	-2.75	0.00	-362.84	0.00	362.84	8639.43	4319.71	20738.5	10295.5		0.01	-0.01	0.044
10.00	-75.76	-2.71	0.00	-349.09	0.00	349.09	8483.89	4241.95	19994.7	9926.22		0.02	-0.02	0.044
15.00	-73.09	-2.66	0.00	-335.54	0.00	335.54	8328.36	4164.18	19264.4	9563.67		0.05	-0.03	0.044
20.00	-70.46	-2.61	0.00	-322.24	0.00	322.24	8172.83	4086.41	18547.7	9207.87		0.09	-0.04	0.044
25.00	-67.88	-2.55	0.00	-309.20	0.00	309.20	8017.29	4008.65	17844.6	8858.82		0.13	-0.05	0.043
30.00	-65.34	-2.49	0.00	-296.44	0.00	296.44	7861.76	3930.88	17155.1	8516.51		0.19	-0.06	0.043
35.00	-62.85	-2.44	0.00	-283.97	0.00	283.97	7706.22	3853.11	16479.1	8180.95		0.26	-0.07	0.043
40.00	-60.40	-2.38	0.00	-271.79	0.00	271.79	7550.69	3775.35	15816.8	7852.13		0.35	-0.08	0.043
45.00	-57.99	-2.31	0.00	-259.90	0.00	259.90	7395.16	3697.58	15168.0	7530.06		0.44	-0.10	0.042
45.42	-57.79	-2.31	0.00	-258.94	0.00	258.94	7382.20	3691.10	15114.6	7503.52		0.45	-0.10	0.042
48.90	-54.99	-2.23	0.00	-250.88	0.00	250.88	7273.84	3636.92	14671.4	7283.52		0.52	-0.10	0.028
50.00	-54.11	-2.20	0.00	-248.43	0.00	248.43	7239.62	3619.81	14532.8	7214.73		0.55	-0.11	0.028
52.75	-51.94	-2.13	0.00	-242.38	0.00	242.38	5810.43	2905.21	11825.7	5870.80		0.61	-0.11	0.028
55.00	-51.06	-2.11	0.00	-237.58	0.00	237.58	5769.82	2884.91	11629.7	5773.48		0.66	-0.11	0.031
57.15	-50.22	-2.09	0.00	-233.04	0.00	233.04	5730.75	2865.38	11443.3	5680.95		0.72	-0.12	0.031
57.15	-50.22	-2.09	0.00	-233.04	0.00	233.04	5730.75	2865.38	11443.3	5680.95		0.72	-0.12	0.031
60.00	-49.12	-2.07	0.00	-227.08	0.00	227.08	5678.55	2839.28	11197.7	5559.03		0.79	-0.12	0.050
65.00	-47.22	-2.02	0.00	-216.75	0.00	216.75	5551.73	2775.86	10705.1	5314.51		0.92	-0.14	0.049
70.00	-45.36	-1.98	0.00	-206.65	0.00	206.65	5427.30	2713.65	10228.2	5077.73		1.08	-0.15	0.049
75.00	-43.53	-1.94	0.00	-196.77	0.00	196.77	5302.88	2651.44	9762.15	4846.34		1.24	-0.17	0.049
80.00	-41.73	-1.90	0.00	-187.10	0.00	187.10	5178.45	2589.22	9306.93	4620.35		1.43	-0.18	0.049
84.00	-40.32	-1.87	0.00	-179.50	0.00	179.50	5078.91	2539.45	8950.59	4443.45		1.58	-0.19	0.048
85.00	-39.75	-1.86	0.00	-177.64	0.00	177.64	5054.02	2527.01	8862.59	4399.76		1.63	-0.20	0.048
87.00	-38.64	-1.84	0.00	-173.92	0.00	173.92	5004.25	2502.13	8687.89	4313.04		1.71	-0.20	0.029
90.00	-36.98	-1.81	0.00	-168.40	0.00	168.40	4929.59	2464.80	8429.11	4184.57		1.84	-0.21	0.029
90.42	-36.75	-1.81	0.00	-167.65	0.00	167.65	3591.78	1795.89	6277.53	3116.43		1.86	-0.21	0.031
95.00	-35.48	-1.80	0.00	-159.37	0.00	159.37	3535.98	1767.99	6038.44	2997.74		2.06	-0.22	0.034
100.00	-34.04	-1.80	0.00	-150.36	0.00	150.36	3473.75	1736.87	5780.45	2869.66		2.30	-0.23	0.033
105.00	-32.71	-1.80	0.00	-141.35	0.00	141.35	3410.09	1705.04	5525.58	2743.13		2.55	-0.24	0.032
109.50	-30.99	-1.80	0.00	-133.24	0.00	133.24	3351.58	1675.79	5299.03	2630.66		2.78	-0.25	0.031
110.00	-30.86	-1.80	0.00	-132.34	0.00	132.34	3345.00	1672.50	5274.03	2618.25		2.81	-0.25	0.031
112.25	-30.29	-1.80	0.00	-128.29	0.00	128.29	3315.25	1657.63	5161.96	2562.62		2.93	-0.26	0.031
112.25	-30.29	-1.80	0.00	-128.29	0.00	128.29	3315.25	1657.63	5161.96	2562.62		2.93	-0.26	0.031
115.00	-29.59	-1.80	0.00	-123.34	0.00	123.34	3278.49	1639.25	5025.98	2495.11		3.08	-0.26	0.058
120.00	-28.34	-1.81	0.00	-114.32	0.00	114.32	3210.56	1605.28	4781.62	2373.80		3.37	-0.29	0.057
123.58	-27.46	-1.81	0.00	-107.85	0.00	107.85	3148.16	1574.08	4590.15	2278.75		3.59	-0.30	0.056
125.00	-26.93	-1.81	0.00	-105.28	0.00	105.28	3121.72	1560.86	4512.97	2240.43		3.68	-0.31	0.056
125.60	-26.71	-1.81	0.00	-104.20	0.00	104.20	3110.52	1555.26	4480.48	2224.30		3.72	-0.31	0.032
129.00	-25.46	-1.80	0.00	-98.05	0.00	98.05	2149.47	1074.74	3099.22	1538.58		3.94	-0.32	0.034
130.00	-25.20	-1.81	0.00	-96.25	0.00	96.25	2141.27	1070.63	3068.69	1523.43		4.01	-0.32	0.038
135.00	-24.22	-1.80	0.00	-87.21	0.00	87.21	2099.38	1049.69	2916.97	1448.11		4.35	-0.34	0.035
136.26	-23.98	-1.81	0.00	-84.94	0.00	84.94	2088.60	1044.30	2879.00	1429.26		4.44	-0.34	0.035
136.26	-23.98	-1.81	0.00	-84.94	0.00	84.94	2088.60	1044.30	2879.00	1429.26		4.44	-0.34	0.035
140.00	-23.27	-1.81	0.00	-78.19	0.00	78.19	2056.07	1028.04	2766.99	1373.65		4.71	-0.35	0.068
145.00	-22.33	-1.81	0.00	-69.14	0.00	69.14	2011.34	1005.67	2618.95	1300.16		5.09	-0.38	0.064
150.00	-21.45	-1.82	0.00	-60.07	0.00	60.07	1965.18	982.59	2473.01	1227.71		5.50	-0.40	0.060

Calculated Forces

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 49	

155.00	-17.38	-1.78	0.00	-50.99	0.00	50.99	1917.59	958.80	2329.38	1156.40	5.93	-0.43	0.053
160.00	-16.62	-1.77	0.00	-42.06	0.00	42.06	1868.58	934.29	2188.24	1086.34	6.39	-0.45	0.048
161.50	-14.60	-1.72	0.00	-39.40	0.00	39.40	1853.60	926.80	2146.41	1065.57	6.53	-0.46	0.045
165.00	-14.08	-1.70	0.00	-33.40	0.00	33.40	1818.15	909.07	2049.77	1017.59	6.87	-0.47	0.041
165.25	-14.05	-1.70	0.00	-32.97	0.00	32.97	1815.59	907.79	2042.92	1014.19	6.90	-0.47	0.040
169.58	-13.13	-1.66	0.00	-25.60	0.00	25.60	1040.26	520.13	1155.41	573.59	7.33	-0.49	0.057
170.00	-13.09	-1.66	0.00	-24.91	0.00	24.91	1038.39	519.19	1149.55	570.68	7.37	-0.49	0.056
175.00	-8.30	-1.26	0.00	-16.62	0.00	16.62	1015.17	507.59	1079.51	535.91	7.90	-0.51	0.039
180.00	-7.88	-1.23	0.00	-10.32	0.00	10.32	990.53	495.27	1010.05	501.43	8.44	-0.52	0.029
185.00	-3.66	-0.65	0.00	-4.18	0.00	4.18	964.47	482.24	941.35	467.32	8.99	-0.53	0.013
187.00	-3.39	-0.61	0.00	-2.89	0.00	2.89	953.65	476.82	914.12	453.81	9.21	-0.53	0.010
190.00	-3.19	-0.58	0.00	-1.06	0.00	1.06	936.98	468.49	873.60	433.69	9.55	-0.54	0.006
191.50	-0.25	-0.05	0.00	-0.19	0.00	0.19	928.46	464.23	853.48	423.70	9.72	-0.54	0.001
195.00	-0.06	-0.01	0.00	-0.01	0.00	0.01	908.07	454.03	806.98	400.62	10.11	-0.54	0.000
196.00	0.00	-0.01	0.00	0.00	0.00	0.00	902.11	451.06	793.81	394.08	10.22	-0.54	0.000

Seismic Segment Forces (Factored)

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 50	

Tower Engineering Solutions

Load Case:	0.9D + 1.0E							**Iterations**	24
Gust Response Factor	1.10				**Sds**	0.19		**Ss**	0.18
Dead Load Factor	0.90	**Seismic Load Factor**	1.00		**Sd1**	0.10		**S1**	0.07
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.27		**SA**	0.03	**Seismic Importance Factor**		1.00

Top Elev (ft)	Description	Wz (lb)	a	b	c	Lateral Fs (lb)	R: 1.50
0.00		0.00	0.00	0.00	0.00	0.00	
5.00		1996.2	0.00	0.03	0.01	36.15	
10.00		1960.6	0.00	0.04	0.03	52.60	
15.00		1925.0	0.01	0.06	0.03	60.85	
20.00		1889.4	0.02	0.06	0.04	64.90	
25.00		1853.8	0.03	0.07	0.04	66.68	
30.00		1818.1	0.04	0.07	0.04	67.28	
35.00		1782.5	0.06	0.07	0.04	67.35	
40.00		1746.9	0.08	0.07	0.04	67.23	
45.00		1711.3	0.10	0.07	0.04	67.10	
45.42	Bot - Section 2	141.00	0.10	0.07	0.04	5.54	
48.90	RB1	2125.6	0.12	0.07	0.03	84.59	
50.00		664.80	0.12	0.07	0.03	26.56	
52.75	Top - Section 1	1648.4	0.14	0.07	0.03	66.53	
55.00		600.65	0.15	0.07	0.03	24.42	
57.15	RT1	568.56	0.16	0.07	0.03	23.26	
60.00		745.55	0.18	0.07	0.03	30.68	
65.00		1285.6	0.21	0.06	0.02	52.99	
70.00		1257.1	0.24	0.06	0.02	50.92	
75.00		1228.6	0.28	0.05	0.01	47.45	
80.00		1200.1	0.31	0.04	0.01	42.06	
84.00	Bot - Section 3	939.59	0.35	0.03	0.01	28.78	
85.00		409.65	0.36	0.03	0.01	12.00	
87.00	RB2	813.31	0.37	0.03	0.01	21.38	
90.00		1205.0	0.40	0.02	0.01	25.30	
90.42	Top - Section 2	165.94	0.40	0.02	0.01	3.35	
95.00		781.83	0.44	0.00	0.01	8.00	
100.00	Appurtenance(s)	908.43	0.49	-0.01	0.01	-2.06	
105.00		811.06	0.54	-0.03	0.01	-12.29	
109.50	Appurtenance(s)	1161.6	0.59	-0.05	0.01	-29.92	
110.00		78.01	0.60	-0.05	0.01	-2.09	
112.25	RT2	348.39	0.62	-0.06	0.02	-10.92	
115.00		419.93	0.65	-0.07	0.02	-15.14	
120.00		746.94	0.71	-0.09	0.03	-31.48	
123.58	Bot - Section 4	522.16	0.75	-0.10	0.04	-23.22	
125.00		358.80	0.77	-0.11	0.05	-16.11	
125.60	RB3	151.06	0.78	-0.11	0.05	-6.80	
129.00	Top - Section 3	845.83	0.82	-0.12	0.06	-37.85	
130.00	Appurtenance(s)	159.35	0.83	-0.12	0.06	-7.07	
135.00		522.14	0.90	-0.12	0.09	-21.27	
136.26	RT3	129.05	0.91	-0.12	0.09	-5.08	
140.00		377.06	0.96	-0.12	0.11	-12.85	
145.00		490.09	1.03	-0.10	0.15	-12.00	
150.00		474.06	1.11	-0.07	0.19	-5.69	
155.00	Appurtenance(s)	3133.4	1.18	-0.01	0.24	10.44	
160.00		442.00	1.26	0.07	0.30	9.53	

Seismic Segment Forces (Factored)

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 51	

161.50	Appurtenance(s)	1629.4	1.28	0.10	0.32	44.97			
165.00		296.50	1.34	0.18	0.37	12.67			
165.25	Bot - Section 5	20.88	1.34	0.19	0.38	0.92			
169.58	Top - Section 4	596.66	1.41	0.31	0.45	38.62			
170.00		22.76	1.42	0.33	0.45	1.52			
175.00	Appurtenance(s)	3804.5	1.51	0.52	0.55	357.69			
180.00		256.70	1.59	0.76	0.66	31.90			
185.00	Appurtenance(s)	3433.8	1.68	1.06	0.79	541.44			
187.00	Appurtenance(s)	203.41	1.72	1.20	0.85	34.97			
190.00		139.91	1.78	1.43	0.94	27.19			
191.50	Appurtenance(s)	2438.9	1.80	1.56	0.98	502.24			
195.00		156.13	1.87	1.88	1.10	36.57			
196.00	Appurtenance(s)	50.15	1.89	1.98	1.14	12.16			
	Totals:	**57,595.0**				**2,514.9**	**Total Wind:**	**46,786.7**	

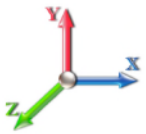
Seismic Base Shear is Less Than 50% of Wind Force - An Analysis is NOT Required

Calculated Forces

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 52	

Tower Engineering Solutions

Load Case:	0.9D + 1.0E							**Iterations**	24
Gust Response Factor	1.10			**Sds**	0.19			**Ss**	0.18
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.10			**S1**	0.07
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.27	**SA**	0.03	**Seismic Importance Factor**			1.00



Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-60.91	-2.77	0.00	-371.31	0.00	371.31	8794.96	4397.48	21496.0	10671.5		0.00	0.00	0.042
5.00	-58.85	-2.74	0.00	-357.45	0.00	357.45	8639.43	4319.71	20738.5	10295.5		0.01	-0.01	0.042
10.00	-56.82	-2.70	0.00	-343.73	0.00	343.73	8483.89	4241.95	19994.7	9926.22		0.02	-0.02	0.041
15.00	-54.82	-2.65	0.00	-330.22	0.00	330.22	8328.36	4164.18	19264.4	9563.67		0.05	-0.03	0.041
20.00	-52.85	-2.59	0.00	-316.97	0.00	316.97	8172.83	4086.41	18547.7	9207.87		0.08	-0.04	0.041
25.00	-50.91	-2.53	0.00	-304.01	0.00	304.01	8017.29	4008.65	17844.6	8858.82		0.13	-0.05	0.041
30.00	-49.01	-2.47	0.00	-291.34	0.00	291.34	7861.76	3930.88	17155.1	8516.51		0.19	-0.06	0.040
35.00	-47.14	-2.41	0.00	-278.97	0.00	278.97	7706.22	3853.11	16479.1	8180.95		0.26	-0.07	0.040
40.00	-45.30	-2.35	0.00	-266.90	0.00	266.90	7550.69	3775.35	15816.8	7852.13		0.34	-0.08	0.040
45.00	-43.49	-2.29	0.00	-255.13	0.00	255.13	7395.16	3697.58	15168.0	7530.06		0.43	-0.09	0.040
45.42	-43.34	-2.28	0.00	-254.18	0.00	254.18	7382.20	3691.10	15114.6	7503.52		0.44	-0.10	0.040
48.90	-41.24	-2.20	0.00	-246.22	0.00	246.22	7273.84	3636.92	14671.4	7283.52		0.52	-0.10	0.026
50.00	-40.58	-2.17	0.00	-243.80	0.00	243.80	7239.62	3619.81	14532.8	7214.73		0.54	-0.10	0.026
52.75	-38.95	-2.11	0.00	-237.82	0.00	237.82	5810.43	2905.21	11825.7	5870.80		0.60	-0.11	0.027
55.00	-38.29	-2.08	0.00	-233.08	0.00	233.08	5769.82	2884.91	11629.7	5773.48		0.65	-0.11	0.029
57.15	-37.66	-2.06	0.00	-228.60	0.00	228.60	5730.75	2865.38	11443.3	5680.95		0.70	-0.12	0.029
57.15	-37.66	-2.06	0.00	-228.60	0.00	228.60	5730.75	2865.38	11443.3	5680.95		0.70	-0.12	0.029
60.00	-36.84	-2.04	0.00	-222.72	0.00	222.72	5678.55	2839.28	11197.7	5559.03		0.78	-0.12	0.047
65.00	-35.42	-1.99	0.00	-212.54	0.00	212.54	5551.73	2775.86	10705.1	5314.51		0.91	-0.14	0.046
70.00	-34.02	-1.94	0.00	-202.59	0.00	202.59	5427.30	2713.65	10228.2	5077.73		1.06	-0.15	0.046
75.00	-32.64	-1.90	0.00	-192.88	0.00	192.88	5302.88	2651.44	9762.15	4846.34		1.22	-0.16	0.046
80.00	-31.30	-1.86	0.00	-183.38	0.00	183.38	5178.45	2589.22	9306.93	4620.35		1.40	-0.18	0.046
84.00	-30.24	-1.83	0.00	-175.93	0.00	175.93	5078.91	2539.45	8950.59	4443.45		1.56	-0.19	0.046
85.00	-29.81	-1.82	0.00	-174.10	0.00	174.10	5054.02	2527.01	8862.59	4399.76		1.60	-0.19	0.045
87.00	-28.98	-1.80	0.00	-170.45	0.00	170.45	5004.25	2502.13	8687.89	4313.04		1.68	-0.20	0.028
90.00	-27.73	-1.77	0.00	-165.05	0.00	165.05	4929.59	2464.80	8429.11	4184.57		1.81	-0.21	0.027
90.42	-27.56	-1.77	0.00	-164.31	0.00	164.31	3591.78	1795.89	6277.53	3116.43		1.83	-0.21	0.029
95.00	-26.61	-1.76	0.00	-156.19	0.00	156.19	3535.98	1767.99	6038.44	2997.74		2.03	-0.22	0.032
100.00	-25.52	-1.77	0.00	-147.37	0.00	147.37	3473.75	1736.87	5780.45	2869.66		2.26	-0.23	0.031
105.00	-24.53	-1.77	0.00	-138.54	0.00	138.54	3410.09	1705.04	5525.58	2743.13		2.50	-0.24	0.030
109.50	-23.24	-1.76	0.00	-130.60	0.00	130.60	3351.58	1675.79	5299.03	2630.66		2.73	-0.25	0.029
110.00	-23.14	-1.76	0.00	-129.72	0.00	129.72	3345.00	1672.50	5274.03	2618.25		2.76	-0.25	0.029
112.25	-22.71	-1.76	0.00	-125.75	0.00	125.75	3315.25	1657.63	5161.96	2562.62		2.88	-0.25	0.029
112.25	-22.71	-1.76	0.00	-125.75	0.00	125.75	3315.25	1657.63	5161.96	2562.62		2.88	-0.25	0.029
115.00	-22.19	-1.77	0.00	-120.90	0.00	120.90	3278.49	1639.25	5025.98	2495.11		3.02	-0.26	0.055
120.00	-21.25	-1.77	0.00	-112.07	0.00	112.07	3210.56	1605.28	4781.62	2373.80		3.31	-0.28	0.054
123.58	-20.60	-1.77	0.00	-105.73	0.00	105.73	3148.16	1574.08	4590.15	2278.75		3.52	-0.30	0.053
125.00	-20.20	-1.77	0.00	-103.22	0.00	103.22	3121.72	1560.86	4512.97	2240.43		3.61	-0.30	0.053
125.60	-20.03	-1.77	0.00	-102.16	0.00	102.16	3110.52	1555.26	4480.48	2224.30		3.65	-0.30	0.030
129.00	-19.09	-1.77	0.00	-96.14	0.00	96.14	2149.47	1074.74	3099.22	1538.58		3.87	-0.31	0.032
130.00	-18.89	-1.77	0.00	-94.38	0.00	94.38	2141.27	1070.63	3068.69	1523.43		3.94	-0.32	0.035
135.00	-18.16	-1.77	0.00	-85.53	0.00	85.53	2099.38	1049.69	2916.97	1448.11		4.27	-0.33	0.033
136.26	-17.98	-1.77	0.00	-83.31	0.00	83.31	2088.60	1044.30	2879.00	1429.26		4.36	-0.33	0.033
136.26	-17.98	-1.77	0.00	-83.31	0.00	83.31	2088.60	1044.30	2879.00	1429.26		4.36	-0.33	0.033
140.00	-17.45	-1.77	0.00	-76.70	0.00	76.70	2056.07	1028.04	2766.99	1373.65		4.63	-0.34	0.064
145.00	-16.75	-1.77	0.00	-67.84	0.00	67.84	2011.34	1005.67	2618.95	1300.16		5.00	-0.37	0.061
150.00	-16.09	-1.78	0.00	-58.98	0.00	58.98	1965.18	982.59	2473.01	1227.71		5.40	-0.39	0.056

Calculated Forces

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 53	

155.00	-13.03	-1.75	0.00	-50.09	0.00	50.09	1917.59	958.80	2329.38	1156.40	5.82	-0.42	0.050
160.00	-12.46	-1.74	0.00	-41.35	0.00	41.35	1868.58	934.29	2188.24	1086.34	6.27	-0.44	0.045
161.50	-10.95	-1.68	0.00	-38.74	0.00	38.74	1853.60	926.80	2146.41	1065.57	6.41	-0.45	0.042
165.00	-10.56	-1.67	0.00	-32.84	0.00	32.84	1818.15	909.07	2049.77	1017.59	6.75	-0.46	0.038
165.25	-10.53	-1.67	0.00	-32.43	0.00	32.43	1815.59	907.79	2042.92	1014.19	6.77	-0.46	0.038
169.58	-9.85	-1.63	0.00	-25.19	0.00	25.19	1040.26	520.13	1155.41	573.59	7.20	-0.48	0.053
170.00	-9.81	-1.63	0.00	-24.51	0.00	24.51	1038.39	519.19	1149.55	570.68	7.24	-0.48	0.052
175.00	-6.22	-1.24	0.00	-16.37	0.00	16.37	1015.17	507.59	1079.51	535.91	7.75	-0.50	0.037
180.00	-5.91	-1.21	0.00	-10.17	0.00	10.17	990.53	495.27	1010.05	501.43	8.28	-0.51	0.026
185.00	-2.74	-0.64	0.00	-4.13	0.00	4.13	964.47	482.24	941.35	467.32	8.83	-0.52	0.012
187.00	-2.54	-0.60	0.00	-2.85	0.00	2.85	953.65	476.82	914.12	453.81	9.05	-0.52	0.009
190.00	-2.39	-0.57	0.00	-1.05	0.00	1.05	936.98	468.49	873.60	433.69	9.38	-0.53	0.005
191.50	-0.19	-0.05	0.00	-0.19	0.00	0.19	928.46	464.23	853.48	423.70	9.54	-0.53	0.001
195.00	-0.05	-0.01	0.00	-0.01	0.00	0.01	908.07	454.03	806.98	400.62	9.93	-0.53	0.000
196.00	0.00	-0.01	0.00	0.00	0.00	0.00	902.11	451.06	793.81	394.08	10.04	-0.53	0.000

Wind Loading - Shaft

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 54	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 25

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.85	7.442	8.19	282.00	0.750	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	7.442	8.19	277.07	0.750	0.000	5.00	25.267	18.95	155.1	0.0	1996.3
10.00		1.00	0.85	7.442	8.19	272.13	0.750	0.000	5.00	24.821	18.62	152.4	0.0	1960.7
15.00		1.00	0.85	7.442	8.19	267.20	0.750	0.000	5.00	24.375	18.28	149.6	0.0	1925.0
20.00		1.00	0.90	7.896	8.69	270.15	0.750	0.000	5.00	23.929	17.95	155.9	0.0	1889.4
25.00		1.00	0.95	8.276	9.10	271.37	0.750	0.000	5.00	23.482	17.61	160.3	0.0	1853.8
30.00		1.00	0.98	8.600	9.46	271.32	0.750	0.000	5.00	23.036	17.28	163.4	0.0	1818.2
35.00		1.00	1.01	8.883	9.77	270.37	0.750	0.000	5.00	22.590	16.94	165.6	0.0	1782.6
40.00		1.00	1.04	9.137	10.05	268.72	0.750	0.000	5.00	22.144	16.61	166.9	0.0	1747.0
45.00		1.00	1.07	9.366	10.30	266.54	0.750	0.000	5.00	21.698	16.27	167.7	0.0	1711.3
45.42	Bot - Section 2	1.00	1.07	9.384	10.32	266.34	0.750	0.000	0.42	1.788	1.34	13.8	0.0	141.0
48.90	RB1	1.00	1.09	9.531	10.48	264.53	0.750	0.000	3.48	15.123	11.34	118.9	0.0	2125.7
50.00		1.00	1.09	9.576	10.53	263.92	0.750	0.000	1.10	4.731	3.55	37.4	0.0	664.8
52.75	Top - Section 1	1.00	1.11	9.685	10.65	262.31	0.750	0.000	2.75	11.732	8.80	93.7	0.0	1648.4
55.00		1.00	1.12	9.770	10.75	266.31	0.750	0.000	2.25	9.499	7.12	76.6	0.0	600.6
57.15	RT1	1.00	1.12	9.850	10.83	264.94	0.750	0.000	2.15	8.992	6.74	73.1	0.0	568.6
60.00		1.00	1.14	9.951	10.95	263.05	0.750	0.000	2.85	11.793	8.84	96.8	0.0	745.6
65.00		1.00	1.16	10.120	11.13	259.52	0.750	0.000	5.00	20.339	15.25	169.8	0.0	1285.6
70.00		1.00	1.17	10.279	11.31	255.75	0.750	0.000	5.00	19.893	14.92	168.7	0.0	1257.1
75.00		1.00	1.19	10.430	11.47	251.78	0.750	0.000	5.00	19.446	14.58	167.3	0.0	1228.6
80.00		1.00	1.21	10.572	11.63	247.61	0.750	0.000	5.00	19.000	14.25	165.7	0.0	1200.1
84.00	Bot - Section 3	1.00	1.22	10.681	11.75	244.15	0.750	0.000	4.00	14.879	11.16	131.1	0.0	939.6
85.00		1.00	1.22	10.708	11.78	243.27	0.750	0.000	1.00	3.739	2.80	33.0	0.0	409.6
87.00	RB2	1.00	1.23	10.761	11.84	241.50	0.750	0.000	2.00	7.424	5.57	65.9	0.0	813.3
90.00		1.00	1.24	10.838	11.92	238.79	0.750	0.000	3.00	11.003	8.25	98.4	0.0	1205.0
90.42	Top - Section 2	1.00	1.24	10.848	11.93	238.41	0.750	0.000	0.42	1.515	1.14	13.6	0.0	165.9
95.00		1.00	1.25	10.962	12.06	238.44	0.750	0.000	4.58	16.465	12.35	148.9	0.0	781.8
100.00	Appurtenance(s)	1.00	1.27	11.081	12.19	233.71	0.750	0.000	5.00	17.535	13.15	160.3	0.0	832.4
105.00		1.00	1.28	11.195	12.31	228.86	0.750	0.000	5.00	17.089	12.82	157.8	0.0	811.1
109.50	Appurtenance(s)	1.00	1.29	11.294	12.42	224.40	0.750	0.000	4.50	14.998	11.25	139.8	0.0	711.7
110.00		1.00	1.29	11.305	12.44	223.90	0.750	0.000	0.50	1.644	1.23	15.3	0.0	78.0
112.25	RT2	1.00	1.30	11.354	12.49	221.63	0.750	0.000	2.25	7.344	5.51	68.8	0.0	348.4
115.00		1.00	1.30	11.412	12.55	218.84	0.750	0.000	2.75	8.853	6.64	83.3	0.0	419.9
120.00		1.00	1.32	11.514	12.67	213.68	0.750	0.000	5.00	15.750	11.81	149.6	0.0	746.9
123.58	Bot - Section 4	1.00	1.32	11.586	12.74	209.93	0.750	0.000	3.58	11.013	8.26	105.3	0.0	522.2
125.00		1.00	1.33	11.614	12.78	208.44	0.750	0.000	1.42	4.359	3.27	41.8	0.0	358.8
125.60	RB3	1.00	1.33	11.625	12.79	207.80	0.750	0.000	0.60	1.835	1.38	17.6	0.0	151.1
129.00	Top - Section 3	1.00	1.34	11.691	12.86	204.18	0.750	0.000	3.40	10.278	7.71	99.1	0.0	845.8
130.00	Appurtenance(s)	1.00	1.34	11.710	12.88	206.42	0.750	0.000	1.00	2.984	2.24	28.8	0.0	106.4
135.00		1.00	1.35	11.803	12.98	201.03	0.750	0.000	5.00	14.651	10.99	142.7	0.0	522.1
136.26	RT3	1.00	1.35	11.827	13.01	199.66	0.750	0.000	1.26	3.622	2.72	35.3	0.0	129.1
140.00		1.00	1.36	11.894	13.08	195.56	0.750	0.000	3.74	10.583	7.94	103.9	0.0	377.1
145.00		1.00	1.37	11.982	13.18	190.02	0.750	0.000	5.00	13.759	10.32	136.0	0.0	490.1
150.00		1.00	1.38	12.068	13.27	184.42	0.750	0.000	5.00	13.313	9.98	132.5	0.0	474.1
155.00	Appurtenance(s)	1.00	1.39	12.152	13.37	178.75	0.750	0.000	5.00	12.867	9.65	129.0	0.0	458.0
160.00		1.00	1.40	12.233	13.46	173.02	0.751 *	0.000	5.00	12.421	9.33	125.6	0.0	442.0
161.50	Appurtenance(s)	1.00	1.40	12.257	13.48	171.29	0.757 *	0.000	1.50	3.639	2.75	37.1	0.0	129.5

Wind Loading - Shaft

Structure: CT46138-A-SBA
Site Name: Torrington/Oandg Ind Inc
Height: 196.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1
Topography: 1
Code: EIA/TIA-222-G
Exposure: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II
8/9/2021

Tower Engineering Solutions

165.00	1.00	1.41	12.313	13.54	167.23	0.761 *	0.000	3.50	8.335	6.34	85.9	0.0	296.5
165.25 Bot - Section 5	1.00	1.41	12.317	13.55	166.94	0.765 *	0.000	0.25	0.587	0.45	6.1	0.0	20.9
169.58 Top - Section 4	1.00	1.41	12.384	13.62	161.88	0.769 *	0.000	4.33	10.136	7.79	106.2	0.0	596.7
170.00	1.00	1.42	12.390	13.63	163.67	0.770 *	0.000	0.42	0.957	0.74	10.0	0.0	22.8
175.00 Appurtenance(s)	1.00	1.42	12.466	13.71	157.78	0.775 *	0.000	5.00	11.242	8.71	119.5	0.0	267.4
180.00	1.00	1.43	12.540	13.79	151.84	0.750	0.000	5.00	10.796	8.10	111.7	0.0	256.7
185.00 Appurtenance(s)	1.00	1.44	12.613	13.87	145.86	0.750	0.000	5.00	10.350	7.76	107.7	0.0	246.0
187.00 Appurtenance(s)	1.00	1.44	12.642	13.91	143.45	0.750	0.000	2.00	4.015	3.01	41.9	0.0	95.4
190.00	1.00	1.45	12.684	13.95	139.82	0.750	0.000	3.00	5.889	4.42	61.6	0.0	139.9
191.50 Appurtenance(s)	1.00	1.45	12.705	13.98	138.00	0.750	0.000	1.50	2.884	2.16	30.2	0.0	68.5
195.00	1.00	1.46	12.753	14.03	133.74	0.750	0.000	3.50	6.573	4.93	69.2	0.0	156.1
196.00 Appurtenance(s)	1.00	1.46	12.767	14.04	132.52	0.750	0.000	1.00	1.838	1.38	19.4	0.0	43.6
							Totals:	**196.00**			**5,788.8**		**43,630.8**

* CfA djusted byL inear Load RaE ffect

Discrete Appurtenance Forces

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 56	

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 25

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	196.00	6' Lightning rod	1	12.767	14.044	1.00	1.00	0.38	6.50	0.000	0.000	5.34	0.00	0.00
2	191.50	APXVTM14-C-120	3	12.705	13.975	0.68	0.80	12.93	168.00	0.000	0.000	180.75	0.00	0.00
3	191.50	APXVSPP18-C-A20	3	12.705	13.975	0.66	0.80	15.98	171.00	0.000	0.000	223.27	0.00	0.00
4	191.50	800MHz - RRU	3	12.705	13.975	0.54	0.80	4.00	159.00	0.000	0.000	55.96	0.00	0.00
5	191.50	1900MHz - RRU	3	12.705	13.975	0.54	0.80	6.11	132.00	0.000	0.000	85.40	0.00	0.00
6	191.50	RRH8x20-25 - RRU	3	12.705	13.975	0.54	0.80	6.51	210.00	0.000	0.000	91.01	0.00	0.00
7	191.50	800MHz Filter	3	12.705	13.975	0.54	0.80	1.25	26.40	0.000	0.000	17.53	0.00	0.00
8	191.50	ACU-A20-N - RET	4	12.705	13.975	0.60	0.80	0.34	4.00	0.000	0.000	4.70	0.00	0.00
9	191.50	Low Profile Platform	1	12.705	13.975	1.00	1.00	22.00	1500.00	0.000	0.000	307.46	0.00	0.00
10	187.00	Pipe mount	1	12.642	13.906	0.56	0.75	1.48	40.00	0.000	0.000	20.57	0.00	0.00
11	187.00	BA80-41-DIN	1	12.785	14.064	1.00	1.00	9.40	68.00	0.000	10.333	132.20	0.00	1366.08
12	185.00	CBC23SR-43	3	12.613	13.874	0.52	0.75	0.66	14.70	0.000	0.000	9.18	0.00	0.00
13	185.00	MT6407-77A	3	12.613	13.874	0.52	0.75	7.39	238.20	0.000	0.000	102.49	0.00	0.00
14	185.00	RFV01U-D2A	3	12.613	13.874	0.58	0.75	3.30	210.90	0.000	0.000	45.78	0.00	0.00
15	185.00	JAHH-65C-R3B-V2	6	12.613	13.874	0.62	0.75	47.85	481.20	0.000	0.000	663.82	0.00	0.00
16	185.00	Low Profile	1	12.613	13.874	0.00	1.00	22.00	1500.00	0.000	0.000	305.23	0.00	0.00
17	185.00	RFV01U-D1A	3	12.613	13.874	0.62	0.75	3.51	253.20	0.000	0.000	48.71	0.00	0.00
18	185.00	DB-C1-12C-24AB-0Z	1	12.613	13.874	0.75	0.75	3.04	32.00	0.000	0.000	42.25	0.00	0.00
19	185.00	HRK12-HD	1	12.613	13.874	0.75	1.00	9.00	406.61	0.000	0.000	124.87	0.00	0.00
20	185.00	BXA-70063 6CF_2	3	12.613	13.874	0.61	0.75	13.97	51.00	0.000	0.000	193.78	0.00	0.00
21	175.00	Low Profile Platform	1	12.466	13.713	1.00	1.00	22.00	1500.00	0.000	0.000	301.68	0.00	0.00
22	175.00	Powerwave LGP21401	12	12.466	13.713	0.75	0.75	11.61	169.20	0.000	0.000	159.21	0.00	0.00
23	175.00	Powerwave LGP13519	12	12.466	13.713	0.75	0.75	3.06	63.60	0.000	0.000	41.96	0.00	0.00
24	175.00	Ericsson RRUS 4449	3	12.466	13.713	0.50	0.75	2.97	213.00	0.000	0.000	40.72	0.00	0.00
25	175.00	Kathrein 800-10965	6	12.466	13.713	0.53	0.75	44.12	651.60	0.000	0.000	605.05	0.00	0.00
26	175.00	Powerwave 7770	3	12.466	13.713	0.68	0.80	11.22	105.00	0.000	0.000	153.86	0.00	0.00
27	175.00	RRUS-12	3	12.466	13.713	0.54	0.80	4.34	150.00	0.000	0.000	59.54	0.00	0.00
28	175.00	DC6-48-60-18-8F	1	12.466	13.713	0.80	0.80	0.74	32.80	0.000	0.000	10.09	0.00	0.00
29	175.00	Ericsson RRUS 4478 B14	3	12.466	13.713	0.50	0.75	2.49	178.20	0.000	0.000	34.11	0.00	0.00
30	175.00	HRK12 (Handrail Kit)	1	12.466	13.713	1.00	1.00	6.75	261.72	0.000	0.000	92.56	0.00	0.00
31	175.00	Raycap	2	12.466	13.713	1.00	1.00	9.56	32.00	0.000	0.000	131.09	0.00	0.00
32	175.00	Ericsson RRUS 32 B30	3	12.466	13.713	0.50	0.75	4.13	180.00	0.000	0.000	56.64	0.00	0.00
33	161.50	Low Profile Platform	1	12.257	13.483	1.00	1.00	22.00	1500.00	0.000	0.000	296.63	0.00	0.00
34	155.00	APXVAARR24_43-U-NA2	3	12.152	13.367	0.56	0.80	34.00	384.00	0.000	0.000	454.52	0.00	0.00
35	155.00	Radio 4449 B71 + B12	3	12.152	13.367	0.54	0.80	3.17	213.00	0.000	0.000	42.34	0.00	0.00
36	155.00	AIR 21 B4A/B2P	3	12.152	13.367	0.66	0.80	12.13	270.90	0.000	0.000	162.16	0.00	0.00
37	155.00	AIR 21 B2A/B4P	3	12.152	13.367	0.66	0.80	12.13	274.50	0.000	0.000	162.16	0.00	0.00
38	155.00	KRY 112 114 TMA	3	12.152	13.367	0.54	0.80	0.66	33.00	0.000	0.000	8.81	0.00	0.00
39	155.00	T-Arms w/ Handrail kit &	3	12.152	13.367	0.56	0.75	29.53	1500.00	0.000	0.000	394.74	0.00	0.00
40	130.00	ANT150F2	1	11.757	12.933	1.00	1.00	1.23	13.00	0.000	2.500	15.91	0.00	39.77
41	130.00	Standoff	1	11.710	12.881	0.56	0.75	1.48	40.00	0.000	0.000	19.06	0.00	0.00
42	109.50	Standoff	1	11.294	12.424	0.56	0.75	1.48	40.00	0.000	0.000	18.38	0.00	0.00
43	109.50	Standoff	5	11.294	12.424	0.56	0.75	7.40	200.00	0.000	0.000	91.90	0.00	0.00
44	109.50	4' Omni	1	11.338	12.471	1.00	1.00	1.00	10.00	0.000	2.000	12.47	0.00	24.94
45	109.50	14' Omni	5	11.443	12.587	1.00	1.00	21.00	200.00	0.000	7.000	264.33	0.00	1850.30
46	100.00	Standoff	1	11.081	12.189	0.56	0.75	1.48	40.00	0.000	0.000	18.03	0.00	0.00
47	100.00	MPRD	1	11.081	12.189	1.00	1.00	6.10	36.00	0.000	0.000	74.35	0.00	0.00

Discrete Appurtenance Forces

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 57	

Totals:	**13,964.23**	**6,382.58**

Total Applied Force Summary

Structure:	CT46138-A-SBA		**Code:**	EIA/TIA-222-G	8/9/2021
Site Name:	Torrington/Oandg Ind Inc		**Exposure:**	C	
Height:	196.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 58

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 25

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		155.13	2293.21	0.00	0.00
10.00		152.39	2257.59	0.00	0.00
15.00		149.65	2221.97	0.00	0.00
20.00		155.88	2186.35	0.00	0.00
25.00		160.33	2150.73	0.00	0.00
30.00		163.44	2115.12	0.00	0.00
35.00		165.56	2079.50	0.00	0.00
40.00		166.92	2043.88	0.00	0.00
45.00		167.66	2008.26	0.00	0.00
45.42		13.84	165.75	0.00	0.00
48.90		118.92	2332.53	0.00	0.00
50.00		37.37	730.12	0.00	0.00
52.75		93.74	1811.73	0.00	0.00
55.00		76.56	734.27	0.00	0.00
57.15		73.07	696.24	0.00	0.00
60.00		96.81	914.80	0.00	0.00
65.00		169.81	1582.55	0.00	0.00
70.00		168.70	1554.05	0.00	0.00
75.00		167.33	1525.56	0.00	0.00
80.00		165.72	1497.07	0.00	0.00
84.00		131.12	1177.14	0.00	0.00
85.00		33.03	469.03	0.00	0.00
87.00		65.91	932.08	0.00	0.00
90.00		98.38	1383.16	0.00	0.00
90.42		13.56	190.69	0.00	0.00
95.00		148.90	1054.02	0.00	0.00
100.00	(2) attachments	252.68	1205.36	0.00	0.00
105.00		157.83	1107.79	0.00	0.00
109.50	(12) attachments	526.83	1428.74	0.00	1875.24
110.00		15.34	107.20	0.00	0.00
112.25		68.79	479.75	0.00	0.00
115.00		83.35	580.49	0.00	0.00
120.00		149.62	1038.87	0.00	0.00
123.58		105.27	731.38	0.00	0.00
125.00		41.76	441.52	0.00	0.00
125.60		17.60	186.09	0.00	0.00
129.00		99.13	1044.34	0.00	0.00
130.00	(2) attachments	63.79	217.74	0.00	39.77
135.00		142.67	811.47	0.00	0.00
136.26		35.34	201.96	0.00	0.00
140.00		103.85	593.48	0.00	0.00
145.00		136.01	779.42	0.00	0.00
150.00		132.55	732.19	0.00	0.00
155.00	(18) attachments	1353.72	3391.56	0.00	0.00
160.00		125.60	631.33	0.00	0.00
161.50	(1) attachments	333.76	1686.27	0.00	0.00

Total Applied Force Summary

Structure:	CT46138-A-SBA		**Code:**	EIA/TIA-222-G	8/9/2021
Site Name:	Torrington/Oandg Ind Inc		**Exposure:**	C	
Height:	196.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 59

Tower Engineering Solutions

165.00		85.94	429.03	0.00	0.00
165.25		6.08	30.34	0.00	0.00
169.58		106.15	760.75	0.00	0.00
170.00		10.04	38.54	0.00	0.00
175.00	(50) attachments	1806.02	3993.83	0.00	0.00
180.00		111.69	346.28	0.00	0.00
185.00	(24) attachments	1643.79	3523.40	0.00	0.00
187.00	(2) attachments	194.65	224.56	0.00	1366.08
190.00		61.62	170.08	0.00	0.00
191.50	(23) attachments	996.30	2454.00	0.00	0.00
195.00		69.16	156.13	0.00	0.00
196.00	(1) attachments	24.70	50.15	0.00	0.00
	Totals:	**12,171.35**	**67,681.43**	**0.00**	**3,281.10**

Linear Appurtenance Segment Forces (Factored)

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 60	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 25

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
5.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.058	0.000	7.442	0.00	16.10
5.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.058	0.000	7.442	0.00	8.05
5.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.058	0.000	7.442	0.00	2.60
10.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.059	0.000	7.442	0.00	16.10
10.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.059	0.000	7.442	0.00	8.05
10.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.059	0.000	7.442	0.00	2.60
15.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.060	0.000	7.442	0.00	16.10
15.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.060	0.000	7.442	0.00	8.05
15.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.060	0.000	7.442	0.00	2.60
20.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.061	0.000	7.896	0.00	16.10
20.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.061	0.000	7.896	0.00	8.05
20.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.061	0.000	7.896	0.00	2.60
25.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.062	0.000	8.276	0.00	16.10
25.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.062	0.000	8.276	0.00	8.05
25.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.062	0.000	8.276	0.00	2.60
30.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.064	0.000	8.600	0.00	16.10
30.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.064	0.000	8.600	0.00	8.05
30.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.064	0.000	8.600	0.00	2.60
35.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.065	0.000	8.883	0.00	16.10
35.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.065	0.000	8.883	0.00	8.05
35.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.065	0.000	8.883	0.00	2.60
40.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.066	0.000	9.137	0.00	16.10
40.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.066	0.000	9.137	0.00	8.05
40.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.066	0.000	9.137	0.00	2.60
45.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.068	0.000	9.366	0.00	16.10
45.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.068	0.000	9.366	0.00	8.05
45.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.068	0.000	9.366	0.00	2.60
45.42	2" Conduit	Yes	0.42	0.000	0.00	0.00	0.00	0.068	0.000	9.384	0.00	1.34
45.42	3" Conduit	Yes	0.42	0.000	3.00	0.10	0.00	0.068	0.000	9.384	0.00	0.67
45.42	7/8" Coax	Yes	0.42	0.000	0.52	0.02	0.00	0.068	0.000	9.384	0.00	0.22
48.90	2" Conduit	Yes	3.48	0.000	0.00	0.00	0.00	0.069	0.000	9.531	0.00	11.22
48.90	3" Conduit	Yes	3.48	0.000	3.00	0.87	0.00	0.069	0.000	9.531	0.00	5.61
48.90	7/8" Coax	Yes	3.48	0.000	0.52	0.15	0.00	0.069	0.000	9.531	0.00	1.81
50.00	2" Conduit	Yes	1.10	0.000	0.00	0.00	0.00	0.070	0.000	9.576	0.00	3.54
50.00	3" Conduit	Yes	1.10	0.000	3.00	0.28	0.00	0.070	0.000	9.576	0.00	1.77
50.00	7/8" Coax	Yes	1.10	0.000	0.52	0.05	0.00	0.070	0.000	9.576	0.00	0.57
52.75	2" Conduit	Yes	2.75	0.000	0.00	0.00	0.00	0.070	0.000	9.685	0.00	8.86
52.75	3" Conduit	Yes	2.75	0.000	3.00	0.69	0.00	0.070	0.000	9.685	0.00	4.43
52.75	7/8" Coax	Yes	2.75	0.000	0.52	0.12	0.00	0.070	0.000	9.685	0.00	1.43
55.00	2" Conduit	Yes	2.25	0.000	0.00	0.00	0.00	0.069	0.000	9.770	0.00	7.25
55.00	3" Conduit	Yes	2.25	0.000	3.00	0.56	0.00	0.069	0.000	9.770	0.00	3.62
55.00	7/8" Coax	Yes	2.25	0.000	0.52	0.10	0.00	0.069	0.000	9.770	0.00	1.17
57.15	2" Conduit	Yes	2.15	0.000	0.00	0.00	0.00	0.070	0.000	9.850	0.00	6.92
57.15	3" Conduit	Yes	2.15	0.000	3.00	0.54	0.00	0.070	0.000	9.850	0.00	3.46
57.15	7/8" Coax	Yes	2.15	0.000	0.52	0.09	0.00	0.070	0.000	9.850	0.00	1.12
60.00	2" Conduit	Yes	2.85	0.000	0.00	0.00	0.00	0.071	0.000	9.951	0.00	9.18
60.00	3" Conduit	Yes	2.85	0.000	3.00	0.71	0.00	0.071	0.000	9.951	0.00	4.59

Linear Appurtenance Segment Forces (Factored)

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 61	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 25

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
60.00	7/8" Coax	Yes	2.85	0.000	0.52	0.12	0.00	0.071	0.000	9.951	0.00	1.48
65.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.072	0.000	10.120	0.00	16.10
65.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.072	0.000	10.120	0.00	8.05
65.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.072	0.000	10.120	0.00	2.60
70.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.074	0.000	10.279	0.00	16.10
70.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.074	0.000	10.279	0.00	8.05
70.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.074	0.000	10.279	0.00	2.60
75.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.075	0.000	10.430	0.00	16.10
75.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.075	0.000	10.430	0.00	8.05
75.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.075	0.000	10.430	0.00	2.60
80.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.077	0.000	10.572	0.00	16.10
80.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.077	0.000	10.572	0.00	8.05
80.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.077	0.000	10.572	0.00	2.60
84.00	2" Conduit	Yes	4.00	0.000	0.00	0.00	0.00	0.079	0.000	10.681	0.00	12.88
84.00	3" Conduit	Yes	4.00	0.000	3.00	1.00	0.00	0.079	0.000	10.681	0.00	6.44
84.00	7/8" Coax	Yes	4.00	0.000	0.52	0.17	0.00	0.079	0.000	10.681	0.00	2.08
85.00	2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	0.080	0.000	10.708	0.00	3.22
85.00	3" Conduit	Yes	1.00	0.000	3.00	0.25	0.00	0.080	0.000	10.708	0.00	1.61
85.00	7/8" Coax	Yes	1.00	0.000	0.52	0.04	0.00	0.080	0.000	10.708	0.00	0.52
87.00	2" Conduit	Yes	2.00	0.000	0.00	0.00	0.00	0.080	0.000	10.761	0.00	6.44
87.00	3" Conduit	Yes	2.00	0.000	3.00	0.50	0.00	0.080	0.000	10.761	0.00	3.22
87.00	7/8" Coax	Yes	2.00	0.000	0.52	0.09	0.00	0.080	0.000	10.761	0.00	1.04
90.00	2" Conduit	Yes	3.00	0.000	0.00	0.00	0.00	0.081	0.000	10.838	0.00	9.66
90.00	3" Conduit	Yes	3.00	0.000	3.00	0.75	0.00	0.081	0.000	10.838	0.00	4.83
90.00	7/8" Coax	Yes	3.00	0.000	0.52	0.13	0.00	0.081	0.000	10.838	0.00	1.56
90.42	2" Conduit	Yes	0.42	0.000	0.00	0.00	0.00	0.082	0.000	10.848	0.00	1.34
90.42	3" Conduit	Yes	0.42	0.000	3.00	0.10	0.00	0.082	0.000	10.848	0.00	0.67
90.42	7/8" Coax	Yes	0.42	0.000	0.52	0.02	0.00	0.082	0.000	10.848	0.00	0.22
95.00	2" Conduit	Yes	4.58	0.000	0.00	0.00	0.00	0.082	0.000	10.962	0.00	14.76
95.00	3" Conduit	Yes	4.58	0.000	3.00	1.15	0.00	0.082	0.000	10.962	0.00	7.38
95.00	7/8" Coax	Yes	4.58	0.000	0.52	0.20	0.00	0.082	0.000	10.962	0.00	2.38
100.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.084	0.000	11.081	0.00	16.10
100.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.084	0.000	11.081	0.00	8.05
100.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.084	0.000	11.081	0.00	2.60
105.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.086	0.000	11.195	0.00	16.10
105.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.086	0.000	11.195	0.00	8.05
105.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.086	0.000	11.195	0.00	2.60
109.50	2" Conduit	Yes	4.50	0.000	0.00	0.00	0.00	0.088	0.000	11.294	0.00	14.49
109.50	3" Conduit	Yes	4.50	0.000	3.00	1.13	0.00	0.088	0.000	11.294	0.00	7.25
109.50	7/8" Coax	Yes	4.50	0.000	0.52	0.20	0.00	0.088	0.000	11.294	0.00	2.34
110.00	2" Conduit	Yes	0.50	0.000	0.00	0.00	0.00	0.089	0.000	11.305	0.00	1.61
110.00	3" Conduit	Yes	0.50	0.000	3.00	0.13	0.00	0.089	0.000	11.305	0.00	0.81
110.00	7/8" Coax	Yes	0.50	0.000	0.52	0.02	0.00	0.089	0.000	11.305	0.00	0.26
112.25	2" Conduit	Yes	2.25	0.000	0.00	0.00	0.00	0.090	0.000	11.354	0.00	7.25
112.25	3" Conduit	Yes	2.25	0.000	3.00	0.56	0.00	0.090	0.000	11.354	0.00	3.62
112.25	7/8" Coax	Yes	2.25	0.000	0.52	0.10	0.00	0.090	0.000	11.354	0.00	1.17
115.00	2" Conduit	Yes	2.75	0.000	0.00	0.00	0.00	0.091	0.000	11.412	0.00	8.86

Linear Appurtenance Segment Forces (Factored)

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 62	

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 25

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
115.00	3" Conduit	Yes	2.75	0.000	3.00	0.69	0.00	0.091	0.000	11.412	0.00	4.43
115.00	7/8" Coax	Yes	2.75	0.000	0.52	0.12	0.00	0.091	0.000	11.412	0.00	1.43
120.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.093	0.000	11.514	0.00	16.10
120.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.093	0.000	11.514	0.00	8.05
120.00	7/8" Coax	Yes	5.00	0.000	0.52	0.22	0.00	0.093	0.000	11.514	0.00	2.60
123.58	2" Conduit	Yes	3.58	0.000	0.00	0.00	0.00	0.095	0.000	11.586	0.00	11.54
123.58	3" Conduit	Yes	3.58	0.000	3.00	0.90	0.00	0.095	0.000	11.586	0.00	5.77
123.58	7/8" Coax	Yes	3.58	0.000	0.52	0.16	0.00	0.095	0.000	11.586	0.00	1.86
125.00	2" Conduit	Yes	1.42	0.000	0.00	0.00	0.00	0.097	0.000	11.614	0.00	4.56
125.00	3" Conduit	Yes	1.42	0.000	3.00	0.35	0.00	0.097	0.000	11.614	0.00	2.28
125.00	7/8" Coax	Yes	1.42	0.000	0.52	0.06	0.00	0.097	0.000	11.614	0.00	0.74
125.60	2" Conduit	Yes	0.60	0.000	0.00	0.00	0.00	0.097	0.000	11.625	0.00	1.93
125.60	3" Conduit	Yes	0.60	0.000	3.00	0.15	0.00	0.097	0.000	11.625	0.00	0.97
125.60	7/8" Coax	Yes	0.60	0.000	0.52	0.03	0.00	0.097	0.000	11.625	0.00	0.31
129.00	2" Conduit	Yes	3.40	0.000	0.00	0.00	0.00	0.099	0.000	11.691	0.00	10.95
129.00	3" Conduit	Yes	3.40	0.000	3.00	0.85	0.00	0.099	0.000	11.691	0.00	5.47
129.00	7/8" Coax	Yes	3.40	0.000	0.52	0.15	0.00	0.099	0.000	11.691	0.00	1.77
130.00	2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	0.098	0.000	11.710	0.00	3.22
130.00	3" Conduit	Yes	1.00	0.000	3.00	0.25	0.00	0.098	0.000	11.710	0.00	1.61
130.00	7/8" Coax	Yes	1.00	0.000	0.52	0.04	0.00	0.098	0.000	11.710	0.00	0.52
135.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.085	0.000	11.803	0.00	16.10
135.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.085	0.000	11.803	0.00	8.05
136.26	2" Conduit	Yes	1.26	0.000	0.00	0.00	0.00	0.087	0.000	11.827	0.00	4.06
136.26	3" Conduit	Yes	1.26	0.000	3.00	0.31	0.00	0.087	0.000	11.827	0.00	2.03
140.00	2" Conduit	Yes	3.74	0.000	0.00	0.00	0.00	0.088	0.000	11.894	0.00	12.04
140.00	3" Conduit	Yes	3.74	0.000	3.00	0.94	0.00	0.088	0.000	11.894	0.00	6.02
145.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.091	0.000	11.982	0.00	16.10
145.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.091	0.000	11.982	0.00	8.05
150.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.094	0.000	12.068	0.00	16.10
150.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.094	0.000	12.068	0.00	8.05
155.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.097	0.000	12.152	0.00	16.10
155.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.097	0.000	12.152	0.00	8.05
160.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.101	1.002	12.233	0.00	16.10
160.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.101	1.002	12.233	0.00	8.05
161.50	2" Conduit	Yes	1.50	0.000	0.00	0.00	0.00	0.103	1.009	12.257	0.00	4.83
161.50	3" Conduit	Yes	1.50	0.000	3.00	0.38	0.00	0.103	1.009	12.257	0.00	2.42
165.00	2" Conduit	Yes	3.50	0.000	0.00	0.00	0.00	0.105	1.015	12.313	0.00	11.27
165.00	3" Conduit	Yes	3.50	0.000	3.00	0.88	0.00	0.105	1.015	12.313	0.00	5.64
165.25	2" Conduit	Yes	0.25	0.000	0.00	0.00	0.00	0.106	1.019	12.317	0.00	0.81
165.25	3" Conduit	Yes	0.25	0.000	3.00	0.06	0.00	0.106	1.019	12.317	0.00	0.40
169.58	2" Conduit	Yes	4.33	0.000	0.00	0.00	0.00	0.108	1.025	12.384	0.00	13.95
169.58	3" Conduit	Yes	4.33	0.000	3.00	1.08	0.00	0.108	1.025	12.384	0.00	6.98
170.00	2" Conduit	Yes	0.42	0.000	0.00	0.00	0.00	0.109	1.027	12.390	0.00	1.34
170.00	3" Conduit	Yes	0.42	0.000	3.00	0.10	0.00	0.109	1.027	12.390	0.00	0.67
175.00	2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	0.111	1.034	12.466	0.00	16.10
175.00	3" Conduit	Yes	5.00	0.000	3.00	1.25	0.00	0.111	1.034	12.466	0.00	8.05

Linear Appurtenance Segment Forces (Factored)

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 63	

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 25

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
										Totals:	**0.0**	**912.9**

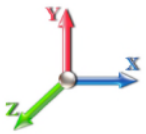
Calculated Forces

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 64	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 25

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-67.68	-12.20	0.00	-1705.4	0.00	1705.49	8794.96	4397.48	21496.0	10671.5	0.00	0.000	0.000	0.168
5.00	-65.37	-12.09	0.00	-1644.5	0.00	1644.51	8639.43	4319.71	20738.5	10295.5	0.02	-0.045	0.000	0.167
10.00	-63.11	-11.99	0.00	-1584.0	0.00	1584.05	8483.89	4241.95	19994.7	9926.22	0.10	-0.091	0.000	0.167
15.00	-60.88	-11.88	0.00	-1524.1	0.00	1524.11	8328.36	4164.18	19264.4	9563.67	0.22	-0.138	0.000	0.167
20.00	-58.68	-11.77	0.00	-1464.6	0.00	1464.68	8172.83	4086.41	18547.7	9207.87	0.39	-0.185	0.000	0.166
25.00	-56.52	-11.65	0.00	-1405.8	0.00	1405.83	8017.29	4008.65	17844.6	8858.82	0.61	-0.234	0.000	0.166
30.00	-54.40	-11.53	0.00	-1347.5	0.00	1347.57	7861.76	3930.88	17155.1	8516.51	0.88	-0.283	0.000	0.165
35.00	-52.31	-11.39	0.00	-1289.9	0.00	1289.94	7706.22	3853.11	16479.1	8180.95	1.20	-0.332	0.000	0.164
40.00	-50.25	-11.26	0.00	-1232.9	0.00	1232.97	7550.69	3775.35	15816.8	7852.13	1.58	-0.383	0.000	0.164
45.00	-48.24	-11.10	0.00	-1176.6	0.00	1176.68	7395.16	3697.58	15168.0	7530.06	2.00	-0.434	0.000	0.163
45.42	-48.07	-11.10	0.00	-1172.0	0.00	1172.05	7382.20	3691.10	15114.6	7503.52	2.04	-0.439	0.000	0.163
48.90	-45.74	-10.98	0.00	-1133.3	0.00	1133.37	7273.84	3636.92	14671.4	7283.52	2.38	-0.476	0.000	0.108
50.00	-45.00	-10.95	0.00	-1121.2	0.00	1121.29	7239.62	3619.81	14532.8	7214.73	2.49	-0.483	0.000	0.108
52.75	-43.19	-10.85	0.00	-1091.1	0.00	1091.18	5810.43	2905.21	11825.7	5870.80	2.77	-0.503	0.000	0.110
55.00	-42.45	-10.78	0.00	-1066.7	0.00	1066.76	5769.82	2884.91	11629.7	5773.48	3.01	-0.519	0.000	0.120
57.15	-41.75	-10.72	0.00	-1043.5	0.00	1043.57	5730.75	2865.38	11443.3	5680.95	3.25	-0.536	0.000	0.119
57.15	-41.75	-10.72	0.00	-1043.5	0.00	1043.57	5730.75	2865.38	11443.3	5680.95	3.25	-0.536	0.000	0.119
60.00	-40.83	-10.64	0.00	-1013.0	0.00	1013.02	5678.55	2839.28	11197.7	5559.03	3.58	-0.559	0.000	0.189
65.00	-39.24	-10.50	0.00	-959.80	0.00	959.80	5551.73	2775.86	10705.1	5314.51	4.20	-0.622	0.000	0.188
70.00	-37.68	-10.36	0.00	-907.30	0.00	907.30	5427.30	2713.65	10228.2	5077.73	4.88	-0.686	0.000	0.186
75.00	-36.14	-10.21	0.00	-855.51	0.00	855.51	5302.88	2651.44	9762.15	4846.34	5.63	-0.751	0.000	0.183
80.00	-34.64	-10.06	0.00	-804.45	0.00	804.45	5178.45	2589.22	9306.93	4620.35	6.46	-0.816	0.000	0.181
84.00	-33.45	-9.93	0.00	-764.20	0.00	764.20	5078.91	2539.45	8950.59	4443.45	7.16	-0.869	0.000	0.179
85.00	-32.98	-9.90	0.00	-754.27	0.00	754.27	5054.02	2527.01	8862.59	4399.76	7.35	-0.883	0.000	0.178
87.00	-32.05	-9.84	0.00	-734.46	0.00	734.46	5004.25	2502.13	8687.89	4313.04	7.72	-0.910	0.000	0.107
90.00	-30.66	-9.73	0.00	-704.95	0.00	704.95	4929.59	2464.80	8429.11	4184.57	8.30	-0.935	0.000	0.105
90.42	-30.47	-9.72	0.00	-700.89	0.00	700.89	3591.78	1795.89	6277.53	3116.43	8.38	-0.938	0.000	0.112
95.00	-29.41	-9.57	0.00	-656.35	0.00	656.35	3535.98	1767.99	6038.44	2997.74	9.30	-0.975	0.000	0.123
100.00	-28.20	-9.32	0.00	-608.48	0.00	608.48	3473.75	1736.87	5780.45	2869.66	10.35	-1.020	0.000	0.117
105.00	-27.09	-9.16	0.00	-561.87	0.00	561.87	3410.09	1705.04	5525.58	2743.13	11.44	-1.064	0.000	0.112
109.50	-25.67	-8.62	0.00	-518.76	0.00	518.76	3351.58	1675.79	5299.03	2630.66	12.46	-1.104	0.000	0.106
110.00	-25.56	-8.61	0.00	-514.45	0.00	514.45	3345.00	1672.50	5274.03	2618.25	12.58	-1.108	0.000	0.106
112.25	-25.08	-8.54	0.00	-495.08	0.00	495.08	3315.25	1657.63	5161.96	2562.62	13.11	-1.128	0.000	0.103
112.25	-25.08	-8.54	0.00	-495.08	0.00	495.08	3315.25	1657.63	5161.96	2562.62	13.11	-1.128	0.000	0.103
115.00	-24.49	-8.47	0.00	-471.60	0.00	471.60	3278.49	1639.25	5025.98	2495.11	13.76	-1.152	0.000	0.197
120.00	-23.45	-8.33	0.00	-429.26	0.00	429.26	3210.56	1605.28	4781.62	2373.80	15.01	-1.234	0.000	0.188
123.58	-22.71	-8.22	0.00	-399.43	0.00	399.43	3148.16	1574.08	4590.15	2278.75	15.96	-1.293	0.000	0.183
125.00	-22.27	-8.18	0.00	-387.78	0.00	387.78	3121.72	1560.86	4512.97	2240.43	16.35	-1.317	0.000	0.180
125.60	-22.08	-8.16	0.00	-382.88	0.00	382.88	3110.52	1555.26	4480.48	2224.30	16.51	-1.327	0.000	0.101
129.00	-21.04	-8.04	0.00	-355.13	0.00	355.13	2149.47	1074.74	3099.22	1538.58	17.47	-1.358	0.000	0.107
130.00	-20.82	-7.99	0.00	-347.04	0.00	347.04	2141.27	1070.63	3068.69	1523.43	17.76	-1.367	0.000	0.119
135.00	-20.00	-7.83	0.00	-307.11	0.00	307.11	2099.38	1049.69	2916.97	1448.11	19.21	-1.416	0.000	0.109
136.26	-19.80	-7.80	0.00	-297.24	0.00	297.24	2088.60	1044.30	2879.00	1429.26	19.59	-1.428	0.000	0.106
136.26	-19.80	-7.80	0.00	-297.24	0.00	297.24	2088.60	1044.30	2879.00	1429.26	19.59	-1.428	0.000	0.106
140.00	-19.20	-7.71	0.00	-268.06	0.00	268.06	2056.07	1028.04	2766.99	1373.65	20.72	-1.463	0.000	0.205
145.00	-18.41	-7.58	0.00	-229.53	0.00	229.53	2011.34	1005.67	2618.95	1300.16	22.30	-1.553	0.000	0.186
150.00	-17.68	-7.45	0.00	-191.65	0.00	191.65	1965.18	982.59	2473.01	1227.71	23.97	-1.636	0.000	0.165
155.00	-14.32	-6.01	0.00	-154.41	0.00	154.41	1917.59	958.80	2329.38	1156.40	25.73	-1.713	0.000	0.141

Calculated Forces

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 65	

160.00	-13.69	-5.88	0.00	-124.34	0.00	124.34	1868.58	934.29	2188.24	1086.34	27.56	-1.781	0.000	0.122
161.50	-12.01	-5.50	0.00	-115.52	0.00	115.52	1853.60	926.80	2146.41	1065.57	28.12	-1.801	0.000	0.115
165.00	-11.58	-5.41	0.00	-96.27	0.00	96.27	1818.15	909.07	2049.77	1017.59	29.46	-1.843	0.000	0.101
165.25	-11.55	-5.40	0.00	-94.92	0.00	94.92	1815.59	907.79	2042.92	1014.19	29.56	-1.845	0.000	0.100
169.58	-10.79	-5.28	0.00	-71.51	0.00	71.51	1040.26	520.13	1155.41	573.59	31.25	-1.890	0.000	0.135
170.00	-10.75	-5.27	0.00	-69.31	0.00	69.31	1038.39	519.19	1149.55	570.68	31.42	-1.894	0.000	0.132
175.00	-6.81	-3.34	0.00	-42.95	0.00	42.95	1015.17	507.59	1079.51	535.91	33.43	-1.949	0.000	0.087
180.00	-6.47	-3.22	0.00	-26.26	0.00	26.26	990.53	495.27	1010.05	501.43	35.50	-1.987	0.000	0.059
185.00	-3.01	-1.45	0.00	-10.18	0.00	10.18	964.47	482.24	941.35	467.32	37.59	-2.010	0.000	0.025
187.00	-2.79	-1.25	0.00	-5.90	0.00	5.90	953.65	476.82	914.12	453.81	38.43	-2.015	0.000	0.016
190.00	-2.62	-1.18	0.00	-2.15	0.00	2.15	936.98	468.49	873.60	433.69	39.70	-2.018	0.000	0.008
191.50	-0.20	-0.10	0.00	-0.38	0.00	0.38	928.46	464.23	853.48	423.70	40.34	-2.019	0.000	0.001
195.00	-0.05	-0.03	0.00	-0.03	0.00	0.03	908.07	454.03	806.98	400.62	41.82	-2.019	0.000	0.000
196.00	0.00	-0.02	0.00	0.00	0.00	0.00	902.11	451.06	793.81	394.08	42.24	-2.019	0.000	0.000

Final Analysis Summary

Structure:	CT46138-A-SBA	**Code:**	EIA/TIA-222-G	8/9/2021	
Site Name:	Torrington/Oandg Ind Inc	**Exposure:**	C		
Height:	196.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 66	

Tower Engineering Solutions

Reactions

Load Case	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)
1.2D + 1.6W 93 mph Wind	46.9	0.00	81.14	0.00	0.00	6603.17
0.9D + 1.6W 93 mph Wind	46.9	0.00	60.84	0.00	0.00	6513.43
1.2D + 1.0Di + 1.0Wi 40 mph Wind	8.9	0.00	120.17	0.00	0.00	1286.34
1.2D + 1.0E	2.8	0.00	81.22	0.00	0.00	376.71
0.9D + 1.0E	2.8	0.00	60.91	0.00	0.00	371.31
1.0D + 1.0W 60 mph Wind	12.2	0.00	67.68	0.00	0.00	1705.49

Max Stresses

Load Case	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Elev (ft)	Stress Ratio
1.2D + 1.6W 93 mph Wind	-20.33	-29.90	0.00	-1039.1	0.00	-1039.1	2056.07	1028.0	2766.99	1373.65	140.00	0.767
0.9D + 1.6W 93 mph Wind	-14.60	-29.28	0.00	-1016.4	0.00	-1016.4	2056.07	1028.0	2766.99	1373.65	140.00	0.748
1.2D + 1.0Di + 1.0Wi 40 mph Wind	-45.03	-5.84	0.00	-207.11	0.00	-207.11	2056.07	1028.0	2766.99	1373.65	140.00	0.173
1.2D + 1.0E	-23.27	-1.81	0.00	-78.19	0.00	-78.19	2056.07	1028.0	2766.99	1373.65	140.00	0.068
0.9D + 1.0E	-17.45	-1.77	0.00	-76.70	0.00	-76.70	2056.07	1028.0	2766.99	1373.65	140.00	0.064
1.0D + 1.0W 60 mph Wind	-19.20	-7.71	0.00	-268.06	0.00	-268.06	2056.07	1028.0	2766.99	1373.65	140.00	0.205

Additional Steel Summary

Elev From (ft)	Elev To (ft)	Member	Intermediate Connectors VQ/I (lb/in)	Vu (kips)	phi Vn (kips)	Lower Termination MQ/I (kips)	phi Vn (kips)	Num Reqd	Num Actual	Upper Termination MQ/I (kips)	phi Vn (kips)	Num Reqd	Num Actual	Max Member Pu (kips)	phi Pn (kips)	phi Tn (kips)	Ratio
48.9	57.1	(4) PLT-7.25x1.5(31mm Hole)	308.4	0.00	37.1	334.7	37.1	10	14	360.9	37.1	10	13	363.42	489.4	436.34	0.833
87.0	112.3	(4) PLT-6.5x1.5(31mm Hole)	407.3	0.00	37.1	298.6	37.1	9	12	280.2	37.1	8	11	323.20	438.8	381.49	0.847
125.6	136.3	(4) PLT-4.75x1.5(31mm Hole)	437.8	10.51	37.1	206.6	37.1	6	8	200.0	37.1	6	7	220.47	303.1	253.52	0.870

Base Plate Summary

Structure:	CT46138-A-SB		**Code:**	EIA/TIA-222-G	8/9/2021
Site Name:	Torrington/Oandg Ind Inc		**Exposure:**	C	
Height:	196.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 67

Tower Engineering Solutions

Reactions

Original Design

Moment (kip-ft):	5499.00
Axial (kip):	55.74
Shear (kip):	40.77

Analysis (1.2D + 1.6W)

Moment (kip-ft):	6603.17
Axial (kip):	81.14
Shear (kip):	46.91

Base Plate

Yield (ksi):	45.00
Width (in):	73.67
Style:	Polygon
Polygon Sides:	16.00
Clip Length (in):	0.00
Effective Len (in):	11.88
Moment (kip-in):	658.73
Allow Stress (ksi):	60.75
Applied Stress (ksi):	37.06
Stress Ratio:	0.61

Anchor Bolts

Bolt Circle:	67.68
Number Bolts:	28.00
Bolt Type:	2.25" 18J
Bolt Diameter (in):	2.25
Yield (ksi):	75.00
Ultimate (ksi):	100.00
Arrangement:	Radial
Cluster Dist (in):	0.00
Start Angle (deg):	0.00

Compression

Force (kip):	171.55
Allowable (kip):	260.00
Ratio:	0.67

Tension

Force (kip):	162.96
Allowable (kip):	260.00
Ratio:	0.64

Monopole Mat Foundation Design

				Date
				7/30/2020
Customer Name:		EIA/TIA Standard:	EIA-222-G	
Site Name:		Structure Height (Ft.):	300	
Site Number:	194213-VZW	Engineer Name:	M. Franco	
Engr. Number:		Engineer Login ID:		

Foundation Info Obtained from: Mapping Operation

Structure Type: Monopole

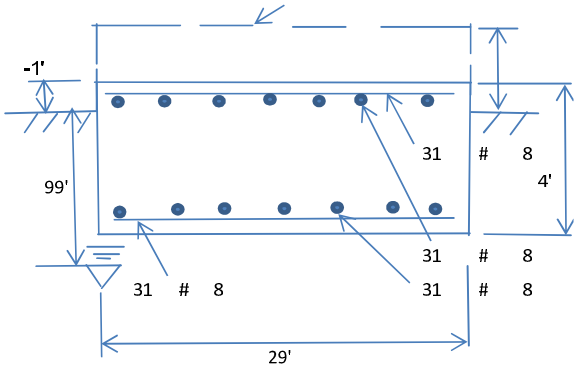
Analysis or Design? Analysis

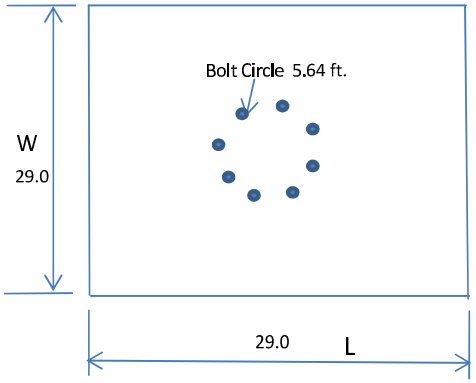
Base Reactions (Factored):

Axial Load (Kips):	81.1	Shear Force (Kips):	46.9
Uplift Force (Kips):	0.0	Moment (Kips-ft):	6603.2
Allowable overstress %:	5.0%		

Foundation Geometries:

		Mods required -Yes/No ?:	No
Anchor Bolt Circle (ft.):	5.64	Depth of Base BG (ft.):	5.00
Thickness of Pad (ft):	4.00		
Length of Pad (ft.):	29	Width of Pad (ft.):	29
	1		1
Final Length of pad (ft)	29.0	Final width of pad (ft):	29.0





Material Properties and Reabr Info:

Concrete Strength (psi):	3000	Steel Elastic Modulus:	29000	ksi
Pad Rebar Yield (Ksi):	60	Tie Spacing (in):	12.0	
Pad Steel Rebar Size (#):	8			
Concrete Cover (in.):	3	Unit Weight of Concrete:	150.0	pcf
Rebar at the bottom of the concrete pad:				
Qty. of Rebar in Pad (L):	31	Qty. of Rebar in Pad (W):	31	
Rebar at the top of the concrete pad:				
Qty. of Rebar in Pad (L):	31	Qty. of Rebar in Pad (W):	31	
Apply 1.35 factor for e/w Per G:	1.35			

Soil Design Parameters:

Water Table B.G.S. (ft):	99.0	Unit Weight of Water:	62.4	pcf	Angle from Top of Pad:	30
Ultimate Bearing Pressure (psf):	12000	Ultimate Skin Friction:	0	Psf	Angle from Bottm of Pad:	25
Consider Friction for O.T.M. (Y/N):	No	Consider Friction for bearing (Y/N):	No		Angle from Bottm of Pad:	25
Consider soil hor. resist. for OTM.:	No	Reduction factor on the maximum soil bearing pressure:	1.00			

Foundation Analysis and Design: Uplift Strength Reduction Factor: 0.75 — Compression Strength Reduction Factor: 0.75

Total Dry Soil Volume (cu. Ft.):	811.39	Total Dry Soil Weight (Kips):	81.14
Total Buoyant Soil Volume (cu. Ft.):	0.00	Total Buoyant Soil Weight (Kips):	0.00
Total Effective Soil Weight (Kips):	81.14	Weight from the Concrete Block at Top (K):	0.00
Total Dry Concrete Volume (cu. Ft.):	3364.00	Total Dry Concrete Weight (Kips):	504.60
Total Buoyant Concrete Volume (cu. Ft.):	0.00	Total Buoyant Concrete Weight (Kips):	0.00
Total Effective Concrete Weight (Kips):	504.60	Total Vertical Load on Base (Kips):	666.88

Check Soil Capacities:

				Load/ Capacity Ratio	
Calculated Maxium Net Soil Pressure under the base (psf):	3493	<	Allowable Factored Soil Bearing (psf): 9000	0.39	OK!
Allowable Foundation Overturning Resistance (kips-ft.):	8820.4	>	Design Factored Momont (kips-ft): 6840	0.78	OK!
Factor of Safety Against Overturning (O. R. Moment/Design Moment):	1.29	OK!			

Check the capacities of Reinforceing Concrete:

Strength reduction factor (Flexure and axial tension):	0.90	Strength reduction factor (Shear):	
Strength reduction factor (Axial compresion):	0.65	Wind Load Factor on Concrete Design:	

Concrete Pad:

One-Way Design Shear Capacity (L-Direction, Kips):		One-Way Factored Shear (L-D. Kips):	388.6
One-Way Design Shear Capacity (W-Direction, Kips):		One-Way Factored Shear (W-D., Kips	
One-Way Design Shear Capacity (Corner-Corner. Kips):		One-Way Factored Shear (C-C, Kips):	725.7
Lower Steel Pad Reinforcement Ratio (L-Direct.):		Lower Steel Pad Reinf. Ratio (W-Direc	
Lower Steel Pad Moment Capacity (L-Direction. Kips-ft):		Moment at Bottom (L-Direct. K-Ft):	1500.2
Lower Steel Pad Moment Capacity (W-Direction. Kips-ft):		Moment at Bottom (W-Direct. K-Ft):	1500.2
Lower Steel Pad Moment Capacity (Corner-Corner,K-ft):		Moment at Bottom (C-C Dir. K-Ft):	
Upper Steel Pad Reinforcement Ratio (L-Direct.):		Upper Steel Reinf. Ratio (W-Direct.):	0.0016
Upper Steel Pad Moment Capacity (L-Direction. Kips-ft):		Moment at the top (L-Dir Kips-Ft):	
Upper Steel Pad Moment Capacity (W-Direction. Kips-ft):		Moment at the top (W-Dir Kips-Ft):	
Upper Steel Pad Moment Capacity (Corner-Corner. K-ft):		Moment at the top (C-C Direc. K-Ft):	959.2

Maser Consulting Connecticut
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Antenna Mount Analysis Report with Hardware Upgrades

Mount ReAnalysis

SMART Tool Project #: 10074708
Maser Consulting Connecticut Project #: 21777082A

June 18, 2021

Site Information	*Site ID:*	*467965-VZW / TORRINGTON N CT*
	Site Name:	*TORRINGTON N CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*404 Burr Mountain Road* *Torrington, Connecticut 06790* *Litchfield County*
	Latitude:	*41.873256°*
	Longitude:	*-73.088406°*
Structure Information	*Tower Type:*	*196-Ft Monopole*
	Mount Type:	*12.50-Ft Platform*

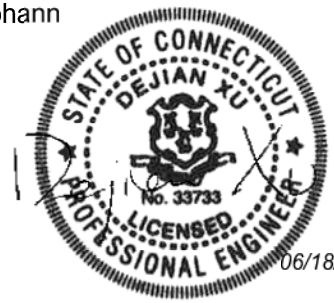
FUZE ID # 16281620

Analysis Results

Platform: **52.7% Pass***
*Results valid after hardware upgrades noted in the PMI Requirements are installed.

******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: Zachary Telljohann



06/18/2021

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Data Frequency Sheets (RFDS)	*Verizon RFDS, Site ID: 324978, dated May 26, 2021*
Mount Mapping Report	*RKS Design & Engineering LLC, Site ID: SBA: CT46138, VZW: 467965, dated April 16, 2021*
Construction Drawings	*On Air Engineering, LLC, Site #: CT46138, dated March 12, 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:	1.00 in
	Risk Category:	II
	Exposure Category:	B
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.963
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
183.00	185.00	6	Commscope	JAHH-65C-R3B-V2	Added
		3	Commscope	CBC78T-DS-43-2X	
		1	RFS	DB-C1-12C-24AB-0Z	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		3	Samsung	MT6407-77A	
		3	Antel	BXA-70063-6CF	Retained

The recent mount mapping did not report existing OVP units. However, 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.

Model Number	Ports	AKA
DB-C1-12C-24AB-0Z	6	OVP-6
RVCDC-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

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
Mount Pipe	*35.3%*	*Pass*
Dual Mount Pipe	*34.9%*	*Pass*
Support Pipe Connection	*32.4%*	*Pass*
Support Pipe	*17.9%*	*Pass*
OVP Pipe	*7.9%*	*Pass*
Face Horizontal	*13.1%*	*Pass*
Corner Plate	*16.3%*	*Pass*
Cross Arm Plate	*38.0%*	*Pass*
Grating Support	*14.7%*	*Pass*
Platform Cross Arm	*18.0%*	*Pass*
Standoff Arm	*32.3%*	*Pass*
Connection Check	*52.7%*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**52.7%**

Recommendation:

The existing mount will be **SUFFICIENT** for the final loading configuration upon the completion of the recommendations listed in the Special Instructions section of the below referenced PMI document.

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

Attachments:

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


04/16/2021 15:13


04/16/2021 14:47

V4.0 Updated on 3-31-2021

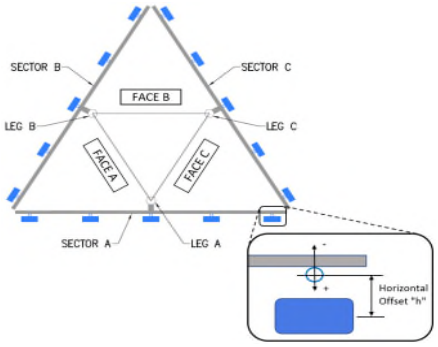
PAUL J. FORD & COMPANY

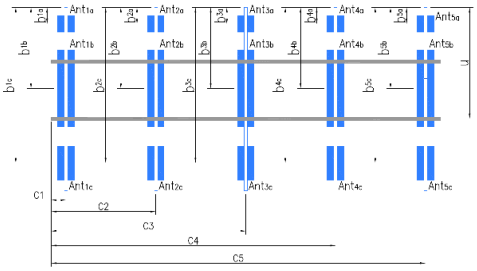
Antenna Mount Mapping Form (PATENT PENDING)

FCC # 1270235

Tower Owner:	SBA	**Mapping Date:**	04-16-2021
Site Name:	SBA: TORRINGTON N CT	**Tower Type:**	Monopole
Site Number or ID:	SBA: CT46138, VZW: 467965	**Tower Height (Ft.):**	UNKNOWN
Mapping Contractor:	RKS Design & Engineering, LLC	**Mount Elevation (Ft.):**	182.75

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]

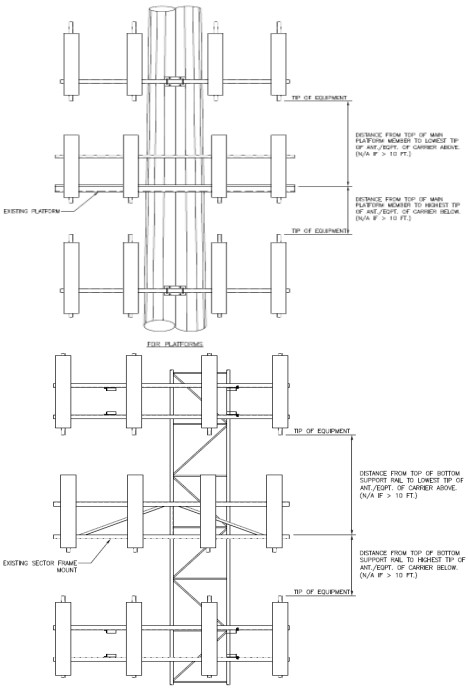
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	PIPE 2.375"Øx0.15"x96" LONG	49.75	6.50	C1	PIPE 2.375"Øx0.15"x96" LONG	49.75	6.50
A2	PIPE 2.375"Øx0.15"x96" LONG	49.75	47.75	C2	PIPE 2.375"Øx0.15"x96" LONG	49.75	47.75
A3	PIPE 2.375"Øx0.15"x96" LONG	49.75	120.00	C3	PIPE 2.375"Øx0.15"x96" LONG	49.75	120.00
A4	PIPE 2.375"Øx0.15"x96" LONG	49.75	144.25	C4	PIPE 2.375"Øx0.15"x96" LONG	49.75	144.25
A5				C5			
A6				C6			
B1	PIPE 2.375"Øx0.15"x96" LONG	49.75	6.50	D1			
B2	PIPE 2.375"Øx0.15"x96" LONG	49.75	47.75	D2			
B3	PIPE 2.375"Øx0.15"x96" LONG	49.75	120.00	D3			
B4	PIPE 2.375"Øx0.15"x96" LONG	49.75	144.25	D4			
B5				D5			
B6				D6			
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :							
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :							5.5
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :							6
Please enter additional infomation or comments below.							
Tower Face Width at Mount Elev. (ft.):			Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):				24.75
For T-Arms/Platforms on monopoles, report the weld size from the main standoff to the plate bolting into the collar mount.							0.25

	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}	UNKNOWN PANEL	15.00	14.00	47.50		184.271	31.50	15.00	80.00	210
Ant_{1c}										
Ant_{2a}	UNKNOWN TME	6.50	0.60	4.50		184.313	31.00	-2.50		210
Ant_{2b}	BXA-70063-6CF-EDIN	11.20	5.20	71.00		183.896	36.00	12.00	80.00	210
Ant_{2c}										
Ant_{3a}	UNKNOWN TME	6.50	0.60	4.50		183.979	35.00	-2.50		214
Ant_{3b}	BXA-171063-8BF-EDI	6.10	4.10	48.50		184.646	27.00	8.00	80.00	214
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	UNKNOWN PANEL	15.00	14.00	47.50		184.271	31.50	15.00	80.00	215
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

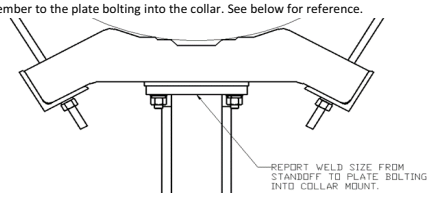
Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	80.00	Deg	Leg A:		Deg
Sector B:	200.00	Deg	Leg B:		Deg
Sector C:	320.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information			
Location:	200.00	Deg	N/A
Climbing Facility	Corrosion Type:		N/A
	Access:		Climbing path was unobstructed.
	Condition:		Good condition.

Please insert a photo of the mount centerline measurement here.



For T-Arms/Platforms on monopoles, record the weld size from the main standoff member to the plate bolting into the collar. See below for reference.



Sector B										
Ant_{1a}										
Ant_{1b}	UNKNOWN PANEL	15.00	14.00	47.50		184.271	31.50	15.00	200.00	218
Ant_{1c}										
Ant_{2a}	UNKNOWN TME	6.50	0.60	4.50		184.313	31.00	-2.50		222
Ant_{2b}	BXA-70063-6CF-EDIN	11.20	5.20	71.00		183.896	36.00	12.00	200.00	222
Ant_{2c}										
Ant_{3a}	UNKNOWN TME	6.50	0.60	4.50		183.979	35.00	-2.50		225
Ant_{3b}	BXA-171063-8BF-EDI	6.10	4.10	48.50		184.646	27.00	8.00	200.00	225
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	UNKNOWN PANEL	15.00	14.00	47.50		184.271	31.50	15.00	200.00	225
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}										
Ant_{1b}	UNKNOWN PANEL	15.00	14.00	47.50		184.271	31.50	15.00	320.00	227
Ant_{1c}										
Ant_{2a}	UNKNOWN TME	6.50	0.60	4.50		184.313	31.00	-2.50		227
Ant_{2b}	BXA-70063-6CF-EDIN	11.20	5.20	71.00		183.896	36.00	12.00	320.00	227
Ant_{2c}										
Ant_{3a}	UNKNOWN TME	6.50	0.60	4.50		183.979	35.00	-2.50		232
Ant_{3b}	BXA-171063-8BF-EDI	6.10	4.10	48.50		184.646	27.00	8.00	320.00	232
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	UNKNOWN PANEL	15.00	14.00	47.50		184.271	31.50	15.00	320.00	232
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #
1	COAX TOTAL (12): (12) FH 1-5/8	51
2		
3		
4		
5		
6		
7		
8		

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

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

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

V4.0 Updated on 3-31-2021

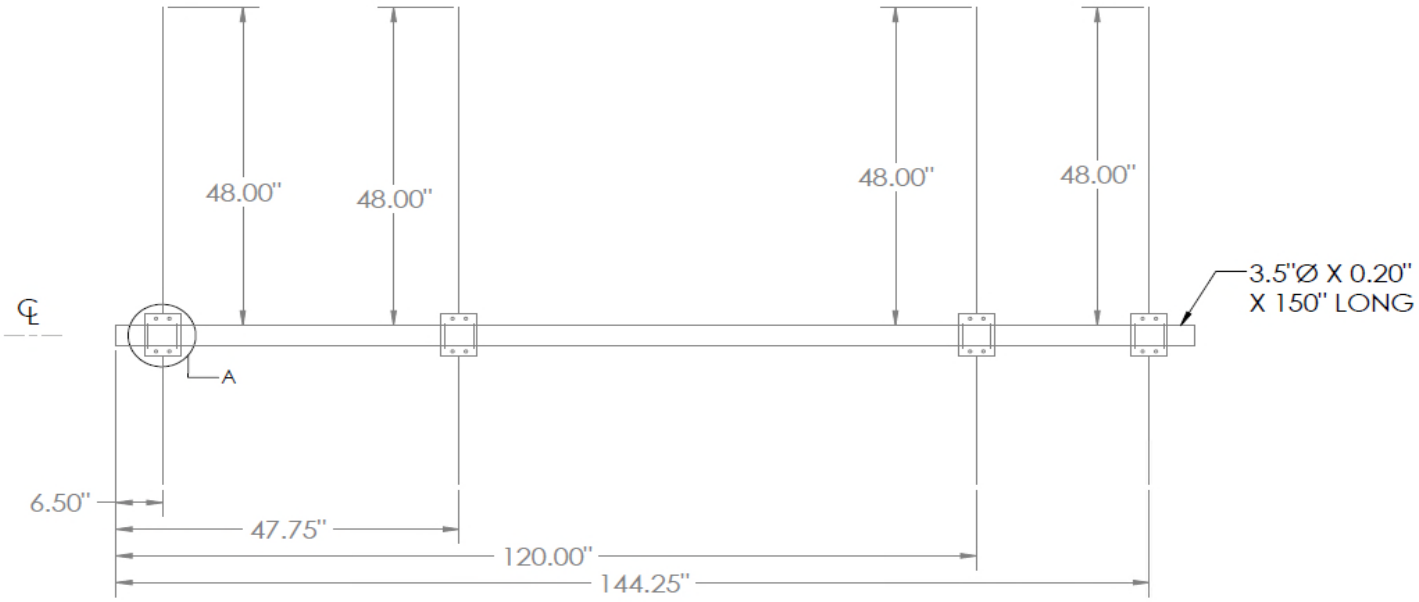
PAUL J. FORD & COMPANY

Antenna Mount Mapping Form (PATENT PENDING)

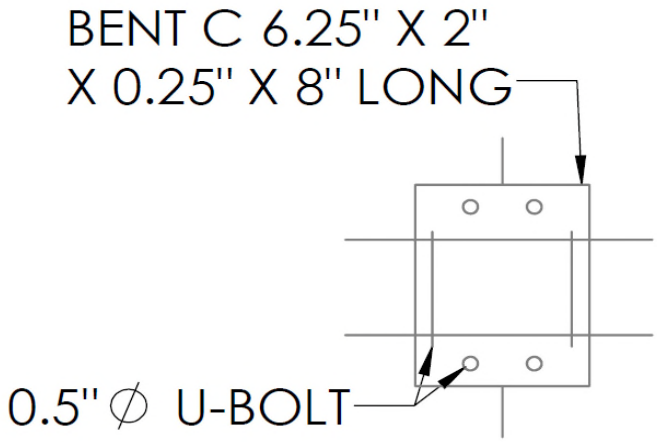
FCC #
1270235

Tower Owner:	SBA	**Mapping Date:**	04-16-2021
Site Name:	SBA: TORRINGTON N CT	**Tower Type:**	Monopole
Site Number or ID:	SBA: CT46138, VZW: 467965	**Tower Height (Ft.):**	UNKNOWN
Mapping Contractor:	RKS Design & Engineering, LLC	**Mount Elevation (Ft.):**	182.75

Please Insert Sketches of the Antenna Mount

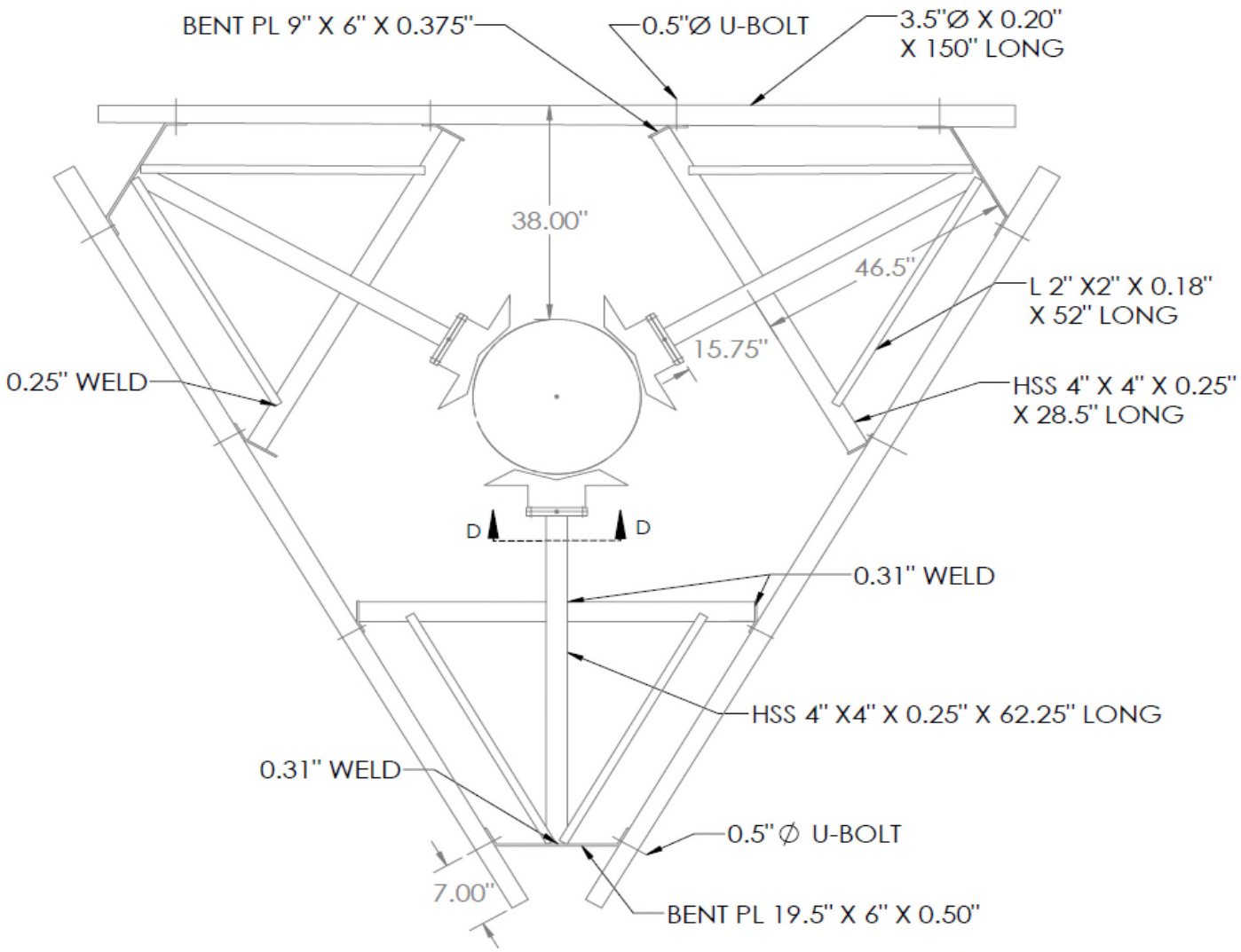


SECTOR A,B,C

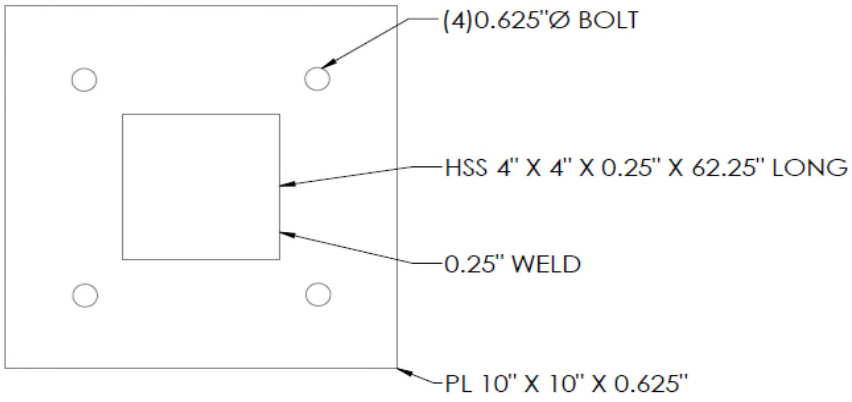


DETAIL A

Please Insert Sketches of the Antenna Mount, cont'd

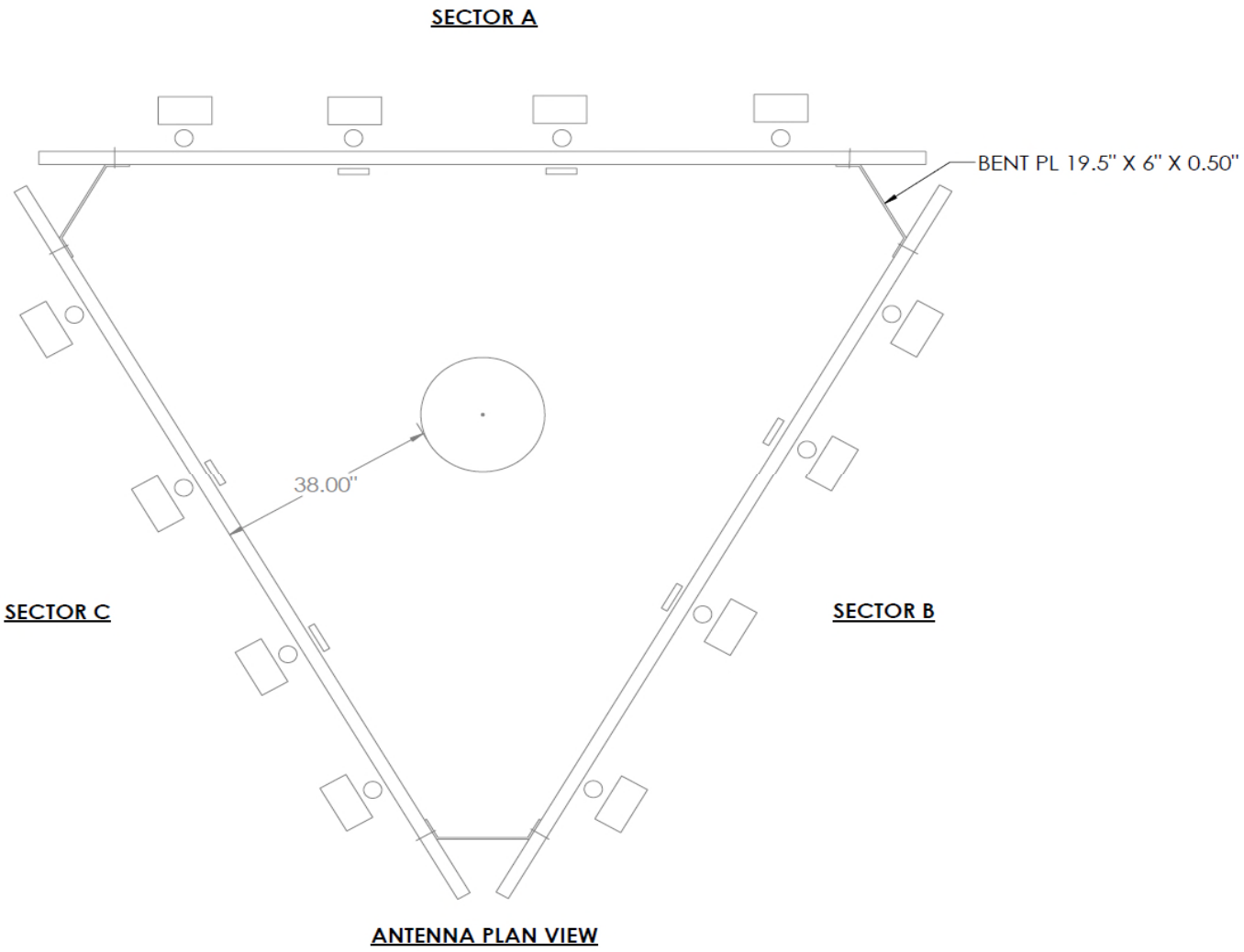


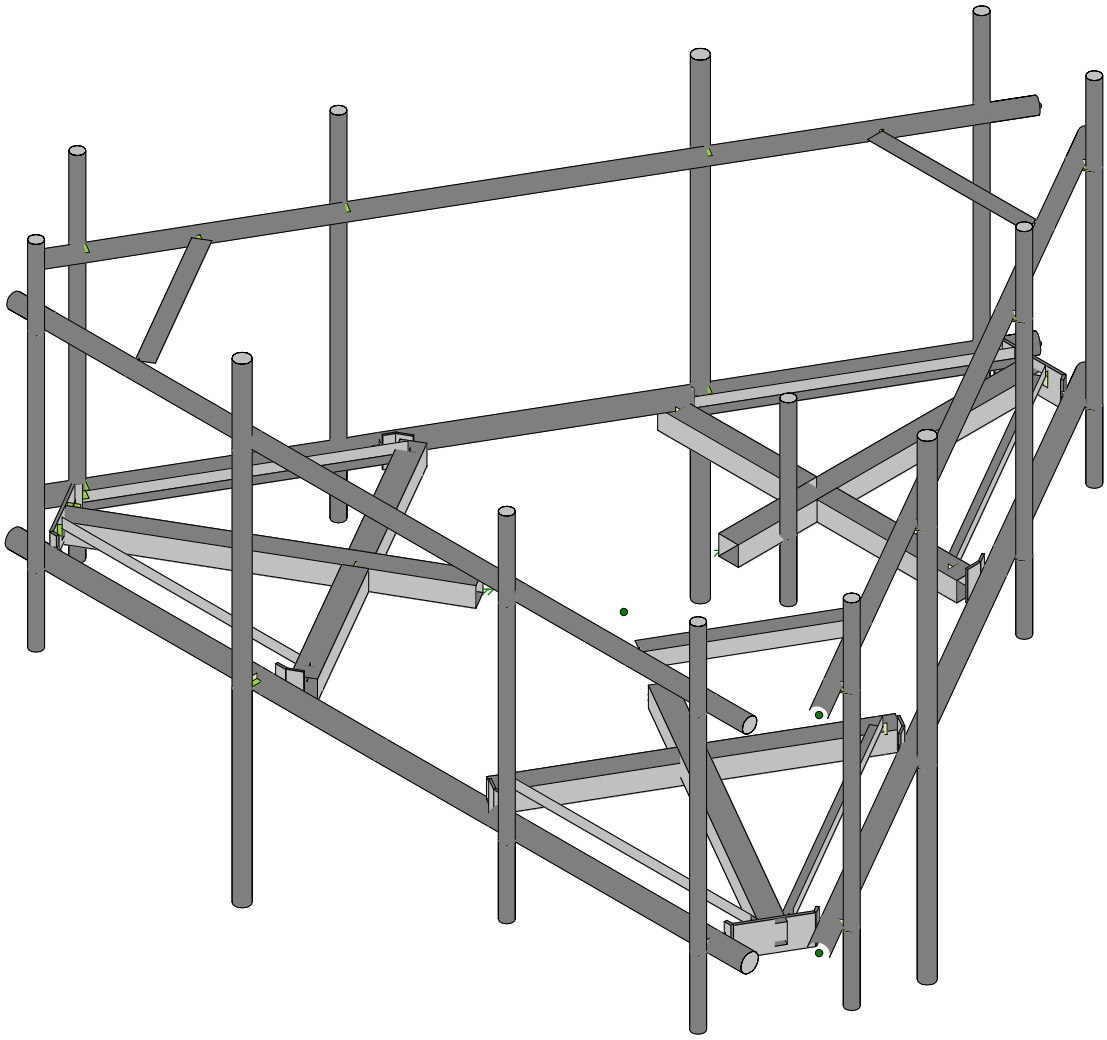
MOUNT VIEW



SECTION D-D

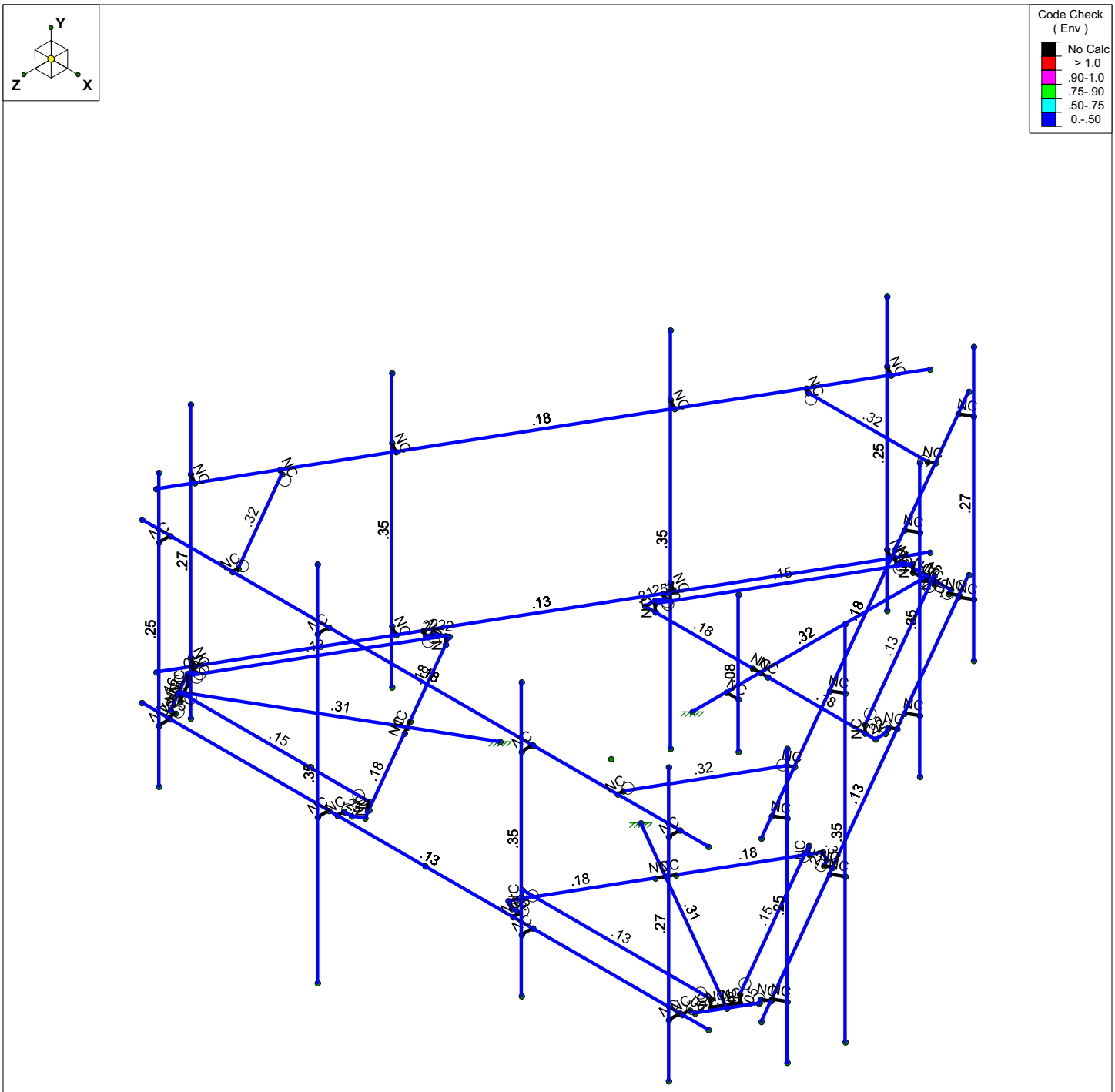
Please Insert Sketches of the Antenna Mount, cont'd





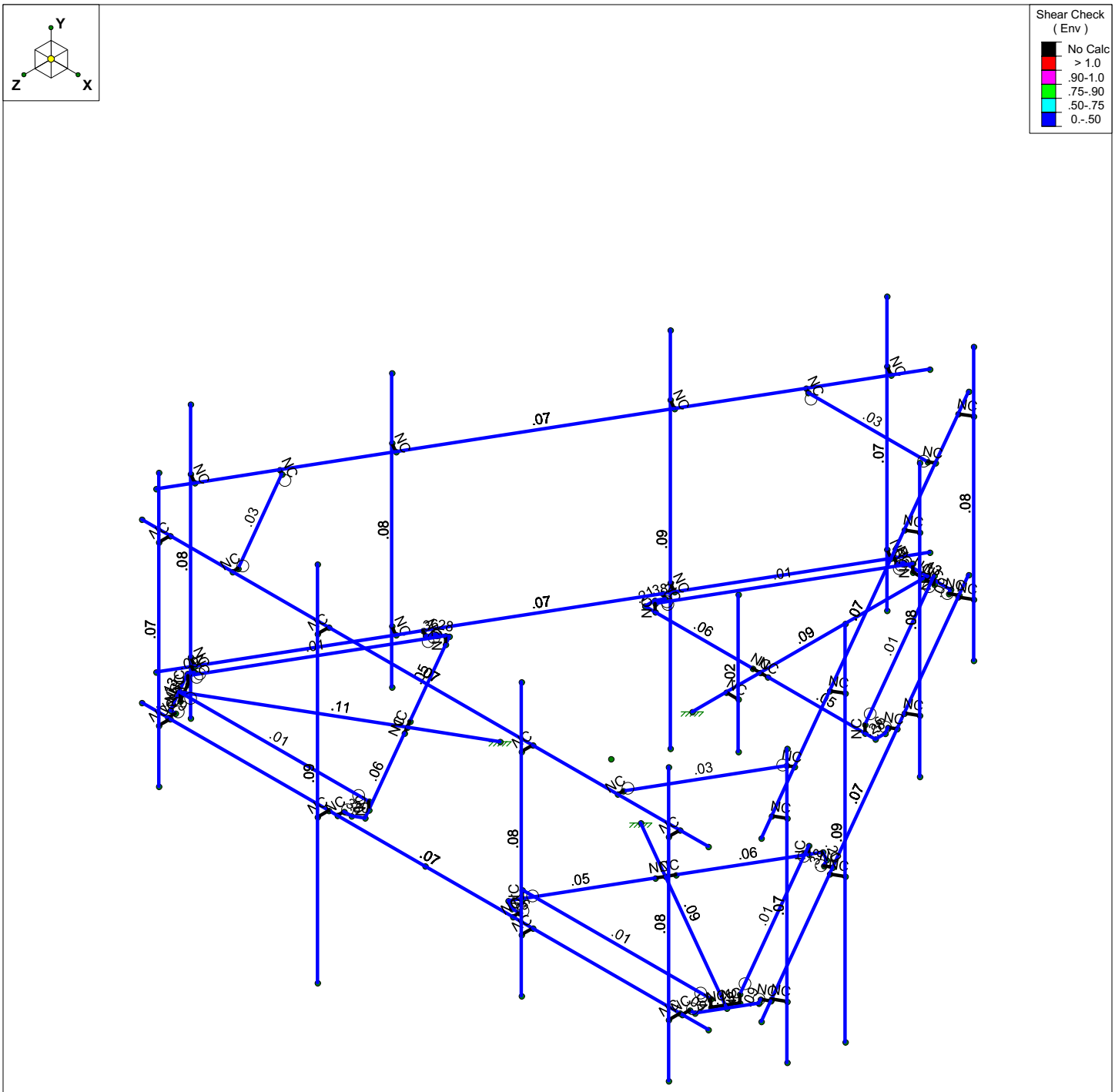
Envelope Only Solution

		SK - 1
		June 18, 2021 at 10:15 AM
		467965-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

		SK - 2
		June 18, 2021 at 10:16 AM
		467965-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

		SK - 3
		June 18, 2021 at 10:16 AM
		467965-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					102			
2	Antenna Di	None					102			
3	Antenna Wo (0 Deg)	None					102			
4	Antenna Wo (30 Deg)	None					102			
5	Antenna Wo (60 Deg)	None					102			
6	Antenna Wo (90 Deg)	None					102			
7	Antenna Wo (120 Deg)	None					102			
8	Antenna Wo (150 Deg)	None					102			
9	Antenna Wo (180 Deg)	None					102			
10	Antenna Wo (210 Deg)	None					102			
11	Antenna Wo (240 Deg)	None					102			
12	Antenna Wo (270 Deg)	None					102			
13	Antenna Wo (300 Deg)	None					102			
14	Antenna Wo (330 Deg)	None					102			
15	Antenna Wi (0 Deg)	None					102			
16	Antenna Wi (30 Deg)	None					102			
17	Antenna Wi (60 Deg)	None					102			
18	Antenna Wi (90 Deg)	None					102			
19	Antenna Wi (120 Deg)	None					102			
20	Antenna Wi (150 Deg)	None					102			
21	Antenna Wi (180 Deg)	None					102			
22	Antenna Wi (210 Deg)	None					102			
23	Antenna Wi (240 Deg)	None					102			
24	Antenna Wi (270 Deg)	None					102			
25	Antenna Wi (300 Deg)	None					102			
26	Antenna Wi (330 Deg)	None					102			
27	Antenna Wm (0 Deg)	None					102			
28	Antenna Wm (30 Deg)	None					102			
29	Antenna Wm (60 Deg)	None					102			
30	Antenna Wm (90 Deg)	None					102			
31	Antenna Wm (120 Deg)	None					102			
32	Antenna Wm (150 Deg)	None					102			
33	Antenna Wm (180 Deg)	None					102			
34	Antenna Wm (210 Deg)	None					102			
35	Antenna Wm (240 Deg)	None					102			
36	Antenna Wm (270 Deg)	None					102			
37	Antenna Wm (300 Deg)	None					102			
38	Antenna Wm (330 Deg)	None					102			
39	Structure D	None		-1					3	
40	Structure Di	None						58	3	
41	Structure Wo (0 Deg)	None						116		
42	Structure Wo (30 Deg)	None						116		
43	Structure Wo (60 Deg)	None						116		
44	Structure Wo (90 Deg)	None						116		
45	Structure Wo (120 D...	None						116		
46	Structure Wo (150 D...	None						116		
47	Structure Wo (180 D...	None						116		
48	Structure Wo (210 D...	None						116		
49	Structure Wo (240 D...	None						116		
50	Structure Wo (270 D...	None						116		
51	Structure Wo (300 D...	None						116		
52	Structure Wo (330 D...	None						116		
53	Structure Wi (0 Deg)	None						116		
54	Structure Wi (30 Deg)	None						116		
55	Structure Wi (60 Deg)	None						116		
56	Structure Wi (90 Deg)	None						116		

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						116		
58	Structure Wi (150 De...	None						116		
59	Structure Wi (180 De...	None						116		
60	Structure Wi (210 De...	None						116		
61	Structure Wi (240 De...	None						116		
62	Structure Wi (270 De...	None						116		
63	Structure Wi (300 De...	None						116		
64	Structure Wi (330 De...	None						116		
65	Structure Wm (0 Deg)	None						116		
66	Structure Wm (30 De...	None						116		
67	Structure Wm (60 De...	None						116		
68	Structure Wm (90 De...	None						116		
69	Structure Wm (120 D...	None						116		
70	Structure Wm (150 D...	None						116		
71	Structure Wm (180 D...	None						116		
72	Structure Wm (210 D...	None						116		
73	Structure Wm (240 D...	None						116		
74	Structure Wm (270 D...	None						116		
75	Structure Wm (300 D...	None						116		
76	Structure Wm (330 D...	None						116		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 39 Transient Are...	None						30		
82	BLC 40 Transient Are...	None						30		

Load Combinations

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

Load Combinations (Continued)

	Description	Sol..	PD..	SR..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact...
27	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5L...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	Seismic Mass		Y		1	1	39	1																
53	1.2D + 1.0Ev...		Y		1	1.2	39	1.2	SX		SY	1	SZ	-1										
54	1.2D + 1.0Ev...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	-.866										
55	1.2D + 1.0Ev...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5										
56	1.2D + 1.0Ev...		Y		1	1.2	39	1.2	SX	1	SY	1	SZ											
57	1.2D + 1.0Ev...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	.5										
58	1.2D + 1.0Ev...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	.866										
59	1.2D + 1.0Ev...		Y		1	1.2	39	1.2	SX		SY	1	SZ	1										
60	1.2D + 1.0Ev...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	.866										
61	1.2D + 1.0Ev...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	.5										
62	1.2D + 1.0Ev...		Y		1	1.2	39	1.2	SX	-1	SY	1	SZ											
63	1.2D + 1.0Ev...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	-.5										
64	1.2D + 1.0Ev...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	-.866										

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N144A	0	0	-1.791667	0	
2	N145	-2.541667	0	-3.291667	0	
3	N146	2.315104	0.166667	-3.291667	0	
4	N147	-2.315104	0.166667	-3.291667	0	
5	N148A	0	0	-3.291667	0	
6	N149	0	0	-6.979167	0	
7	N150	2.315104	0	-3.291667	0	
8	N151	-2.315104	0	-3.291667	0	
9	N152	2.541667	0	-3.291667	0	
10	N153	-0.166667	0	-3.291667	0	
11	N154	0.166667	0	-3.291667	0	
12	N155	-2.541667	0	-3.510417	0	
13	N156	2.541667	0	-3.510417	0	
14	N157	2.458333	0	-3.654754	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
15	N158	0.571615	0	-6.88219	0	
16	N159	-2.458333	0	-3.654754	0	
17	N160	-0.571615	0	-6.88219	0	
18	N161	2.584629	0	-3.727671	0	
19	N162	-2.584629	0	-3.727671	0	
20	N163	-0.515625	0	-6.979167	0	
21	N164	0.515625	0	-6.979167	0	
22	N165	0.715429	0	-6.965221	0	
23	N166	-0.715429	0	-6.965221	0	
24	N167	0	0	-6.895833	0	
25	N168	0.234238	0.166667	-6.895833	0	
26	N169	0.234238	0	-6.895833	0	
27	N170	-0.234238	0.166667	-6.895833	0	
28	N171	-0.234238	0	-6.895833	0	
29	N172	-1.551629	0	0.895833	0	
30	N173	-1.579834	0	3.846981	0	
31	N174	-4.008219	0.166667	-0.359106	0	
32	N175	-1.693115	0.166667	3.650772	0	
33	N176	-2.850667	0	1.645833	0	
34	N177	-6.044136	0	3.489583	0	
35	N178	-4.008219	0	-0.359106	0	
36	N179	-1.693115	0	3.650772	0	
37	N180	-4.1215	0	-0.555315	0	
38	N181	-2.767334	0	1.790171	0	
39	N182	-2.934	0	1.501496	0	
40	N183	-1.769277	0	3.956356	0	
41	N184	-4.310943	0	-0.44594	0	
42	N185	-4.394277	0	-0.301602	0	
43	N186	-6.245959	0	2.946062	0	
44	N187	-1.935943	0	3.956356	0	
45	N188	-5.674344	0	3.936128	0	
46	N189	-4.520572	0	-0.374519	0	
47	N190	-1.935943	0	4.10219	0	
48	N191	-5.786323	0	3.936128	0	
49	N192	-6.301948	0	3.043039	0	
50	N193	-6.389773	0	2.863031	0	
51	N194	-5.674344	0	4.10219	0	
52	N195	-5.971967	0	3.447917	0	
53	N196	-6.089086	0.166667	3.245061	0	
54	N197	-6.089086	0	3.245061	0	
55	N198	-5.854848	0.166667	3.650772	0	
56	N199	-5.854848	0	3.650772	0	
57	N200	1.551629	0	0.895833	0	
58	N201	4.1215	0	-0.555315	0	
59	N202	1.693115	0.166667	3.650772	0	
60	N203	4.008219	0.166667	-0.359106	0	
61	N204	2.850667	0	1.645833	0	
62	N205	6.044136	0	3.489583	0	
63	N206	1.693115	0	3.650772	0	
64	N207	4.008219	0	-0.359106	0	
65	N208	1.579834	0	3.846981	0	
66	N209	2.934	0	1.501496	0	
67	N210	2.767334	0	1.790171	0	
68	N211	4.310943	0	-0.44594	0	
69	N212	1.769277	0	3.956356	0	
70	N213	1.935943	0	3.956356	0	
71	N214	5.674344	0	3.936128	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
72	N215	4.394277	0	-0.301602	0	
73	N216	6.245959	0	2.946062	0	
74	N217	1.935943	0	4.10219	0	
75	N218	4.520572	0	-0.374519	0	
76	N219	6.301948	0	3.043039	0	
77	N220	5.786323	0	3.936128	0	
78	N221	5.674344	0	4.10219	0	
79	N222	6.389773	0	2.863031	0	
80	N223	5.971967	0	3.447917	0	
81	N224	5.854848	0.166667	3.650772	0	
82	N225	5.854848	0	3.650772	0	
83	N226	6.089086	0.166667	3.245061	0	
84	N227	6.089086	0	3.245061	0	
85	N228	0.	0	4.10219	0	
86	N230	6.25	0	4.10219	0	
87	N231	-6.25	0	4.10219	0	
88	N232	5.625	0	4.10219	0	
89	N233	5.625	0	4.35219	0	
90	N234	5.625	-1.166667	4.35219	0	
91	N235	5.625	4.833333	4.35219	0	
92	N92	-2.125	0	4.10219	0	
93	N93	-2.125	0	4.35219	0	
94	N94	-2.125	-3.166667	4.35219	0	
95	N95	-2.125	4.833333	4.35219	0	
96	N96	2.375	0	4.10219	0	
97	N97	2.375	0	4.35219	0	
98	N98	2.375	-1.166667	4.35219	0	
99	N99	2.375	4.833333	4.35219	0	
100	N100	-5.625	0	4.10219	0	
101	N101	-5.625	0	4.35219	0	
102	N102	-5.625	-1.166667	4.35219	0	
103	N103	-5.625	4.833333	4.35219	0	
104	N104	0.427601	0	-7.463754	0	
105	N105	6.677601	0	3.361564	0	
106	N122	-6.677601	0	3.361564	0	
107	N123	-0.427601	0	-7.463754	0	
108	N140	0	0	-2.541667	0	
109	N141	0.266667	0	-2.541667	0	
110	N142	0.266667	2	-2.541667	0	
111	N143	0.266667	-1	-2.541667	0	
112	N144	6.25	3.5	4.10219	0	
113	N145A	-6.25	3.5	4.10219	0	
114	N146A	5.625	3.5	4.10219	0	
115	N147A	5.625	3.5	4.35219	0	
116	N148	-2.125	3.5	4.10219	0	
117	N149A	-2.125	3.5	4.35219	0	
118	N150A	2.375	3.5	4.10219	0	
119	N151A	2.375	3.5	4.35219	0	
120	N152A	-5.625	3.5	4.10219	0	
121	N153A	-5.625	3.5	4.35219	0	
122	N155A	-4.25	3.5	4.10219	0	
123	N156A	0.427601	3.5	-7.463754	0	
124	N157A	6.677601	3.5	3.361564	0	
125	N168A	-6.677601	3.5	3.361564	0	
126	N169A	-0.427601	3.5	-7.463754	0	
127	N180A	4.25	3.5	4.10219	0	
128	N181A	5.677601	3.5	1.629513	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
129	N182A	1.427601	3.5	-5.731703	0	
130	N183A	-1.427601	3.5	-5.731703	0	
131	N184A	-5.677601	3.5	1.629513	0	
132	N180B	-4.25	3.5	3.97719	0	
133	N182B	4.25	3.5	3.97719	0	
134	N184B	5.569348	3.5	1.692013	0	
135	N185A	1.319348	3.5	-5.669203	0	
136	N188A	-1.319348	3.5	-5.669203	0	
137	N189A	-5.569348	3.5	1.692013	0	
138	CP	0	0	0	0	
139	N139	0.740101	0	-6.922488	0	
140	N140A	0.956607	0	-7.047488	0	
141	N141A	0.956607	-1.166667	-7.047488	0	
142	N142A	0.956607	4.833333	-7.047488	0	
143	N143A	4.615101	0	-0.210791	0	
144	N144B	4.831607	0	-0.335791	0	
145	N145B	4.831607	-3.166667	-0.335791	0	
146	N146B	4.831607	4.833333	-0.335791	0	
147	N147B	2.365101	0	-4.107905	0	
148	N148B	2.581607	0	-4.232905	0	
149	N149B	2.581607	-1.166667	-4.232905	0	
150	N150B	2.581607	4.833333	-4.232905	0	
151	N151B	6.365101	0	2.820298	0	
152	N152B	6.581607	0	2.695298	0	
153	N153B	6.581607	-1.166667	2.695298	0	
154	N154A	6.581607	4.833333	2.695298	0	
155	N155B	0.740101	3.5	-6.922488	0	
156	N156B	0.956607	3.5	-7.047488	0	
157	N157B	4.615101	3.5	-0.210791	0	
158	N158A	4.831607	3.5	-0.335791	0	
159	N159A	2.365101	3.5	-4.107905	0	
160	N160A	2.581607	3.5	-4.232905	0	
161	N161A	6.365101	3.5	2.820298	0	
162	N162A	6.581607	3.5	2.695298	0	
163	N164A	-6.365101	0	2.820298	0	
164	N165A	-6.581607	0	2.695298	0	
165	N166A	-6.581607	-1.166667	2.695298	0	
166	N167A	-6.581607	4.833333	2.695298	0	
167	N168B	-2.490101	0	-3.891399	0	
168	N169B	-2.706607	0	-4.016399	0	
169	N170A	-2.706607	-3.166667	-4.016399	0	
170	N171A	-2.706607	4.833333	-4.016399	0	
171	N172A	-4.740101	0	0.005715	0	
172	N173A	-4.956607	0	-0.119285	0	
173	N174A	-4.956607	-1.166667	-0.119285	0	
174	N175A	-4.956607	4.833333	-0.119285	0	
175	N176A	-0.740101	0	-6.922488	0	
176	N177A	-0.956607	0	-7.047488	0	
177	N178A	-0.956607	-1.166667	-7.047488	0	
178	N179A	-0.956607	4.833333	-7.047488	0	
179	N180C	-6.365101	3.5	2.820298	0	
180	N181B	-6.581607	3.5	2.695298	0	
181	N182C	-2.490101	3.5	-3.891399	0	
182	N183B	-2.706607	3.5	-4.016399	0	
183	N184C	-4.740101	3.5	0.005715	0	
184	N185B	-4.956607	3.5	-0.119285	0	
185	N186A	-0.740101	3.5	-6.922488	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
186	N187A	-0.956607	3.5	-7.047488	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Standoff Arm	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
3	Corner Plate	PL1/2x6	Beam	BAR	A36 Gr.36	Typical	3	.063	9	.237
4	Platform Cross Arm	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
5	Grating Support	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
6	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
7	Cross Arm Plate	PL3/8x6	Column	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
8	Dual Mount Pipe	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
9	OVP Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
10	Support Pipe	PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
11	Support Pipe Connection	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M100	N144A	N149			Standoff Arm	Beam	SquareTube	A500 Gr.B...	Typical
2	M101	N152	N154			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
3	M102	N153	N145			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
4	M103	N163	N164			Corner Plate	Beam	BAR	A36 Gr.36	Typical
5	M104	N147	N151			RIGID	None	None	RIGID	Typical
6	M105	N146	N150			RIGID	None	None	RIGID	Typical
7	M106	N168	N146			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
8	M107	N147	N170			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
9	M108	N170	N171			RIGID	None	None	RIGID	Typical
10	M109	N153	N148A			RIGID	None	None	RIGID	Typical
11	M110	N148A	N154			RIGID	None	None	RIGID	Typical
12	M111	N152	N156			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
13	M112	N156	N157			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
14	M113	N157	N161			RIGID	None	None	RIGID	Typical
15	M114	N164	N158			Corner Plate	Beam	BAR	A36 Gr.36	Typical
16	M115	N158	N165			RIGID	None	None	RIGID	Typical
17	M116	N145	N155			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
18	M117	N155	N159			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
19	M118	N159	N162			RIGID	None	None	RIGID	Typical
20	M119	N163	N160			Corner Plate	Beam	BAR	A36 Gr.36	Typical
21	M120	N160	N166			RIGID	None	None	RIGID	Typical
22	M121	N171	N167			RIGID	None	None	RIGID	Typical
23	M122	N167	N169			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
24	M123	N168	N169			RIGID	None	None	RIGID	Typical
25	M124	N172	N177			Standoff Arm	Beam	SquareTube	A500 Gr.B...	Typical
26	M125	N180	N182			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
27	M126	N181	N173			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
28	M127	N191	N192			Corner Plate	Beam	BAR	A36 Gr.36	Typical
29	M128	N175	N179		240	RIGID	None	None	RIGID	Typical
30	M129	N174	N178		240	RIGID	None	None	RIGID	Typical
31	M130	N196	N174			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
32	M131	N175	N198			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
33	M132	N198	N199		240	RIGID	None	None	RIGID	Typical
34	M133	N181	N176			RIGID	None	None	RIGID	Typical
35	M134	N176	N182			RIGID	None	None	RIGID	Typical
36	M135	N180	N184			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
37	M136	N184	N185			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
38	M137	N185	N189			RIGID	None	None	RIGID	Typical
39	M138	N192	N186			Corner Plate	Beam	BAR	A36 Gr.36	Typical
40	M139	N186	N193			RIGID	None	None	RIGID	Typical
41	M140	N173	N183			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
42	M141	N183	N187			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
43	M142	N187	N190			RIGID	None	None	RIGID	Typical
44	M143	N191	N188			Corner Plate	Beam	BAR	A36 Gr.36	Typical
45	M144	N188	N194			RIGID	None	None	RIGID	Typical
46	M145	N199	N195			RIGID	None	None	RIGID	Typical
47	M146	N195	N197			RIGID	None	None	RIGID	Typical
48	M147	N196	N197		240	RIGID	None	None	RIGID	Typical
49	M148	N200	N205			Standoff Arm	Beam	SquareTube	A500 Gr.B...	Typical
50	M149	N208	N210			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
51	M150	N209	N201			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
52	M151	N219	N220			Corner Plate	Beam	BAR	A36 Gr.36	Typical
53	M152	N203	N207		120	RIGID	None	None	RIGID	Typical
54	M153	N202	N206		120	RIGID	None	None	RIGID	Typical
55	M154	N224	N202			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
56	M155	N203	N226			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
57	M156	N226	N227		120	RIGID	None	None	RIGID	Typical
58	M157	N209	N204			RIGID	None	None	RIGID	Typical
59	M158	N204	N210			RIGID	None	None	RIGID	Typical
60	M159	N208	N212			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
61	M160	N212	N213			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
62	M161	N213	N217			RIGID	None	None	RIGID	Typical
63	M162	N220	N214			Corner Plate	Beam	BAR	A36 Gr.36	Typical
64	M163	N214	N221			RIGID	None	None	RIGID	Typical
65	M164	N201	N211			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
66	M165	N211	N215			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
67	M166	N215	N218			RIGID	None	None	RIGID	Typical
68	M167	N219	N216			Corner Plate	Beam	BAR	A36 Gr.36	Typical
69	M168	N216	N222			RIGID	None	None	RIGID	Typical
70	M169	N227	N223			RIGID	None	None	RIGID	Typical
71	M170	N223	N225			RIGID	None	None	RIGID	Typical
72	M171	N224	N225		120	RIGID	None	None	RIGID	Typical
73	M172	N230	N231			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
74	M173	N232	N233			RIGID	None	None	RIGID	Typical
75	MP1A	N235	N234			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
76	M76	N92	N93			RIGID	None	None	RIGID	Typical
77	MP3A	N95	N94			Dual Mount Pipe	Column	Pipe	A53 Gr.B	Typical
78	M78	N96	N97			RIGID	None	None	RIGID	Typical
79	MP2A	N99	N98			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
80	M80	N100	N101			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
81	MP4A	N103	N102			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
82	M82	N104	N105			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
83	M91	N122	N123			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
84	M100A	N140	N141			RIGID	None	None	RIGID	Typical
85	OVP PIPE	N142	N143			OVP Pipe	Column	Pipe	A53 Gr.B	Typical
86	M102A	N144	N145A			Support Pipe	Beam	Pipe	A53 Gr.B	Typical
87	M103A	N146A	N147A			RIGID	None	None	RIGID	Typical
88	M104A	N148	N149A			RIGID	None	None	RIGID	Typical
89	M105A	N150A	N151A			RIGID	None	None	RIGID	Typical
90	M106A	N152A	N153A			RIGID	None	None	RIGID	Typical
91	M107A	N156A	N157A			Support Pipe	Beam	Pipe	A53 Gr.B	Typical
92	M112A	N168A	N169A			Support Pipe	Beam	Pipe	A53 Gr.B	Typical
93	M117A	N180B	N155A			RIGID	None	None	RIGID	Typical
94	M118A	N182B	N180A			RIGID	None	None	RIGID	Typical
95	M119A	N184B	N181A			RIGID	None	None	RIGID	Typical
96	M120A	N185A	N182A			RIGID	None	None	RIGID	Typical
97	M121A	N188A	N183A			RIGID	None	None	RIGID	Typical
98	M122A	N189A	N184A			RIGID	None	None	RIGID	Typical
99	M123A	N189A	N180B		180	Support Pipe ...	Beam	Single Angle	A36 Gr.36	Typical
100	M124A	N182B	N184B		180	Support Pipe ...	Beam	Single Angle	A36 Gr.36	Typical
101	M125A	N185A	N188A		180	Support Pipe ...	Beam	Single Angle	A36 Gr.36	Typical
102	M102B	N139	N140A			RIGID	None	None	RIGID	Typical
103	MP1C	N142A	N141A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
104	M104B	N143A	N144B			RIGID	None	None	RIGID	Typical
105	MP3C	N146B	N145B			Dual Mount Pipe	Column	Pipe	A53 Gr.B	Typical
106	M106B	N147B	N148B			RIGID	None	None	RIGID	Typical
107	MP2C	N150B	N149B			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
108	M108A	N151B	N152B			RIGID	None	None	RIGID	Typical
109	MP4C	N154A	N153B			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
110	M110A	N155B	N156B			RIGID	None	None	RIGID	Typical
111	M111A	N157B	N158A			RIGID	None	None	RIGID	Typical
112	M112B	N159A	N160A			RIGID	None	None	RIGID	Typical
113	M113A	N161A	N162A			RIGID	None	None	RIGID	Typical
114	M114A	N164A	N165A			RIGID	None	None	RIGID	Typical
115	MP1B	N167A	N166A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
116	M116A	N168B	N169B			RIGID	None	None	RIGID	Typical
117	MP3B	N171A	N170A			Dual Mount Pipe	Column	Pipe	A53 Gr.B	Typical
118	M118B	N172A	N173A			RIGID	None	None	RIGID	Typical
119	MP2B	N175A	N174A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
120	M120B	N176A	N177A			RIGID	None	None	RIGID	Typical
121	MP4B	N179A	N178A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
122	M122B	N180C	N181B			RIGID	None	None	RIGID	Typical
123	M123B	N182C	N183B			RIGID	None	None	RIGID	Typical
124	M124B	N184C	N185B			RIGID	None	None	RIGID	Typical
125	M125B	N186A	N187A			RIGID	None	None	RIGID	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M100						Yes				None
2	M101						Yes	Default			None
3	M102						Yes	Default			None
4	M103						Yes	Default			None
5	M104						Yes	** NA **			None
6	M105						Yes	** NA **			None
7	M106	OOOOOX	OOOOOX				Yes	Default			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
8	M107	OOOOOX	OOOOOX				Yes	Default			None
9	M108						Yes	** NA **			None
10	M109						Yes	** NA **			None
11	M110						Yes	** NA **			None
12	M111						Yes	** NA **			None
13	M112						Yes	** NA **			None
14	M113		BenPIN				Yes	** NA **			None
15	M114						Yes				None
16	M115		BenPIN				Yes	** NA **			None
17	M116						Yes	** NA **			None
18	M117						Yes	** NA **			None
19	M118		BenPIN				Yes	** NA **			None
20	M119						Yes				None
21	M120		BenPIN				Yes	** NA **			None
22	M121						Yes	** NA **			None
23	M122						Yes	** NA **			None
24	M123						Yes	** NA **			None
25	M124						Yes				None
26	M125						Yes	Default			None
27	M126						Yes	Default			None
28	M127						Yes	Default			None
29	M128						Yes	** NA **			None
30	M129						Yes	** NA **			None
31	M130	OOOOOX	OOOOOX				Yes	Default			None
32	M131	OOOOOX	OOOOOX				Yes	Default			None
33	M132						Yes	** NA **			None
34	M133						Yes	** NA **			None
35	M134						Yes	** NA **			None
36	M135						Yes	** NA **			None
37	M136						Yes	** NA **			None
38	M137		BenPIN				Yes	** NA **			None
39	M138						Yes				None
40	M139		BenPIN				Yes	** NA **			None
41	M140						Yes	** NA **			None
42	M141						Yes	** NA **			None
43	M142		BenPIN				Yes	** NA **			None
44	M143						Yes				None
45	M144		BenPIN				Yes	** NA **			None
46	M145						Yes	** NA **			None
47	M146						Yes	** NA **			None
48	M147						Yes	** NA **			None
49	M148						Yes				None
50	M149						Yes	Default			None
51	M150						Yes	Default			None
52	M151						Yes	Default			None
53	M152						Yes	** NA **			None
54	M153						Yes	** NA **			None
55	M154	OOOOOX	OOOOOX				Yes	Default			None
56	M155	OOOOOX	OOOOOX				Yes	Default			None
57	M156						Yes	** NA **			None
58	M157						Yes	** NA **			None
59	M158						Yes	** NA **			None
60	M159						Yes	** NA **			None
61	M160						Yes	** NA **			None
62	M161		BenPIN				Yes	** NA **			None
63	M162						Yes				None
64	M163		BenPIN				Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
65	M164						Yes	** NA **			None
66	M165						Yes	** NA **			None
67	M166		BenPIN				Yes	** NA **			None
68	M167						Yes				None
69	M168		BenPIN				Yes	** NA **			None
70	M169						Yes	** NA **			None
71	M170						Yes	** NA **			None
72	M171						Yes	** NA **			None
73	M172						Yes	Default			None
74	M173						Yes	** NA **			None
75	MP1A						Yes	** NA **			None
76	M76						Yes	** NA **			None
77	MP3A						Yes	** NA **			None
78	M78						Yes	** NA **			None
79	MP2A						Yes	** NA **			None
80	M80						Yes	** NA **			None
81	MP4A						Yes	** NA **			None
82	M82						Yes	Default			None
83	M91						Yes	Default			None
84	M100A						Yes	** NA **			None
85	OVP PIPE						Yes	** NA **			None
86	M102A						Yes	Default			None
87	M103A						Yes	** NA **			None
88	M104A						Yes	** NA **			None
89	M105A						Yes	** NA **			None
90	M106A						Yes	** NA **			None
91	M107A						Yes	Default			None
92	M112A						Yes	Default			None
93	M117A		OOOOOO				Yes	** NA **			None
94	M118A		OOOOOO				Yes	** NA **			None
95	M119A		OOOOOO				Yes	** NA **			None
96	M120A		OOOOOO				Yes	** NA **			None
97	M121A		OOOOOO				Yes	** NA **			None
98	M122A		OOOOOO				Yes	** NA **			None
99	M123A						Yes	Default			None
100	M124A						Yes	Default			None
101	M125A						Yes	Default			None
102	M102B						Yes	** NA **			None
103	MP1C						Yes	** NA **			None
104	M104B						Yes	** NA **			None
105	MP3C						Yes	** NA **			None
106	M106B						Yes	** NA **			None
107	MP2C						Yes	** NA **			None
108	M108A						Yes	** NA **			None
109	MP4C						Yes	** NA **			None
110	M110A						Yes	** NA **			None
111	M111A						Yes	** NA **			None
112	M112B						Yes	** NA **			None
113	M113A						Yes	** NA **			None
114	M114A						Yes	** NA **			None
115	MP1B						Yes	** NA **			None
116	M116A						Yes	** NA **			None
117	MP3B						Yes	** NA **			None
118	M118B						Yes	** NA **			None
119	MP2B						Yes	** NA **			None
120	M120B						Yes	** NA **			None
121	MP4B						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
122	M122B						Yes	** NA **			None
123	M123B						Yes	** NA **			None
124	M124B						Yes	** NA **			None
125	M125B						Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-40.1	1.5
2	MP3A	My	-.02	1.5
3	MP3A	Mz	.023	1.5
4	MP3A	Y	-40.1	6.5
5	MP3A	My	-.02	6.5
6	MP3A	Mz	.023	6.5
7	MP3B	Y	-40.1	1.5
8	MP3B	My	.03	1.5
9	MP3B	Mz	-.006	1.5
10	MP3B	Y	-40.1	6.5
11	MP3B	My	.03	6.5
12	MP3B	Mz	-.006	6.5
13	MP3C	Y	-40.1	1.5
14	MP3C	My	-.01	1.5
15	MP3C	Mz	.029	1.5
16	MP3C	Y	-40.1	6.5
17	MP3C	My	-.01	6.5
18	MP3C	Mz	.029	6.5
19	MP3A	Y	-40.1	1.5
20	MP3A	My	-.02	1.5
21	MP3A	Mz	-.023	1.5
22	MP3A	Y	-40.1	6.5
23	MP3A	My	-.02	6.5
24	MP3A	Mz	-.023	6.5
25	MP3B	Y	-40.1	1.5
26	MP3B	My	-.01	1.5
27	MP3B	Mz	-.029	1.5
28	MP3B	Y	-40.1	6.5
29	MP3B	My	-.01	6.5
30	MP3B	Mz	-.029	6.5
31	MP3C	Y	-40.1	1.5
32	MP3C	My	.03	1.5
33	MP3C	Mz	.006	1.5
34	MP3C	Y	-40.1	6.5
35	MP3C	My	.03	6.5
36	MP3C	Mz	.006	6.5
37	MP3A	Y	-10.4	4
38	MP3A	My	.005	4
39	MP3A	Mz	0	4
40	MP3B	Y	-10.4	4
41	MP3B	My	-.003	4
42	MP3B	Mz	.005	4
43	MP3C	Y	-10.4	4
44	MP3C	My	-.003	4
45	MP3C	Mz	-.005	4
46	OVP PIPE	Y	-32	1
47	OVP PIPE	My	0	1
48	OVP PIPE	Mz	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP3A	Y	-84.4	3
50	MP3A	My	.042	3
51	MP3A	Mz	0	3
52	MP3B	Y	-84.4	3
53	MP3B	My	-.021	3
54	MP3B	Mz	.037	3
55	MP3C	Y	-84.4	3
56	MP3C	My	-.021	3
57	MP3C	Mz	-.037	3
58	MP2A	Y	-70.3	3
59	MP2A	My	.035	3
60	MP2A	Mz	0	3
61	MP2B	Y	-70.3	3
62	MP2B	My	-.018	3
63	MP2B	Mz	.03	3
64	MP2C	Y	-70.3	3
65	MP2C	My	-.018	3
66	MP2C	Mz	-.03	3
67	MP4A	Y	-43.55	1.75
68	MP4A	My	-.022	1.75
69	MP4A	Mz	0	1.75
70	MP4A	Y	-43.55	3.75
71	MP4A	My	-.022	3.75
72	MP4A	Mz	0	3.75
73	MP4B	Y	-43.55	1.75
74	MP4B	My	.011	1.75
75	MP4B	Mz	-.019	1.75
76	MP4B	Y	-43.55	3.75
77	MP4B	My	.011	3.75
78	MP4B	Mz	-.019	3.75
79	MP4C	Y	-43.55	1.75
80	MP4C	My	.011	1.75
81	MP4C	Mz	.019	1.75
82	MP4C	Y	-43.55	3.75
83	MP4C	My	.011	3.75
84	MP4C	Mz	.019	3.75
85	MP2A	Y	-8.5	2
86	MP2A	My	-.004	2
87	MP2A	Mz	0	2
88	MP2A	Y	-8.5	5
89	MP2A	My	-.004	5
90	MP2A	Mz	0	5
91	MP2B	Y	-8.5	2
92	MP2B	My	.002	2
93	MP2B	Mz	-.004	2
94	MP2B	Y	-8.5	5
95	MP2B	My	.002	5
96	MP2B	Mz	-.004	5
97	MP2C	Y	-8.5	2
98	MP2C	My	.002	2
99	MP2C	Mz	.004	2
100	MP2C	Y	-8.5	5
101	MP2C	My	.002	5
102	MP2C	Mz	.004	5

Member Point Loads (BLC 2 : Antenna Di)

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-93.885	1.5
2	MP3A	My	-.047	1.5
3	MP3A	Mz	.055	1.5
4	MP3A	Y	-93.885	6.5
5	MP3A	My	-.047	6.5
6	MP3A	Mz	.055	6.5
7	MP3B	Y	-93.885	1.5
8	MP3B	My	.071	1.5
9	MP3B	Mz	-.013	1.5
10	MP3B	Y	-93.885	6.5
11	MP3B	My	.071	6.5
12	MP3B	Mz	-.013	6.5
13	MP3C	Y	-93.885	1.5
14	MP3C	My	-.024	1.5
15	MP3C	Mz	.068	1.5
16	MP3C	Y	-93.885	6.5
17	MP3C	My	-.024	6.5
18	MP3C	Mz	.068	6.5
19	MP3A	Y	-93.885	1.5
20	MP3A	My	-.047	1.5
21	MP3A	Mz	-.055	1.5
22	MP3A	Y	-93.885	6.5
23	MP3A	My	-.047	6.5
24	MP3A	Mz	-.055	6.5
25	MP3B	Y	-93.885	1.5
26	MP3B	My	-.024	1.5
27	MP3B	Mz	-.068	1.5
28	MP3B	Y	-93.885	6.5
29	MP3B	My	-.024	6.5
30	MP3B	Mz	-.068	6.5
31	MP3C	Y	-93.885	1.5
32	MP3C	My	.071	1.5
33	MP3C	Mz	.013	1.5
34	MP3C	Y	-93.885	6.5
35	MP3C	My	.071	6.5
36	MP3C	Mz	.013	6.5
37	MP3A	Y	-11.131	4
38	MP3A	My	.006	4
39	MP3A	Mz	0	4
40	MP3B	Y	-11.131	4
41	MP3B	My	-.003	4
42	MP3B	Mz	.005	4
43	MP3C	Y	-11.131	4
44	MP3C	My	-.003	4
45	MP3C	Mz	-.005	4
46	OVP PIPE	Y	-90.66	1
47	OVP PIPE	My	0	1
48	OVP PIPE	Mz	0	1
49	MP3A	Y	-46.349	3
50	MP3A	My	.023	3
51	MP3A	Mz	0	3
52	MP3B	Y	-46.349	3
53	MP3B	My	-.012	3
54	MP3B	Mz	.02	3
55	MP3C	Y	-46.349	3
56	MP3C	My	-.012	3
57	MP3C	Mz	-.02	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	Y	-41.692	3
59	MP2A	My	.021	3
60	MP2A	Mz	0	3
61	MP2B	Y	-41.692	3
62	MP2B	My	-.01	3
63	MP2B	Mz	.018	3
64	MP2C	Y	-41.692	3
65	MP2C	My	-.01	3
66	MP2C	Mz	-.018	3
67	MP4A	Y	-36.746	1.75
68	MP4A	My	-.018	1.75
69	MP4A	Mz	0	1.75
70	MP4A	Y	-36.746	3.75
71	MP4A	My	-.018	3.75
72	MP4A	Mz	0	3.75
73	MP4B	Y	-36.746	1.75
74	MP4B	My	.009	1.75
75	MP4B	Mz	-.016	1.75
76	MP4B	Y	-36.746	3.75
77	MP4B	My	.009	3.75
78	MP4B	Mz	-.016	3.75
79	MP4C	Y	-36.746	1.75
80	MP4C	My	.009	1.75
81	MP4C	Mz	.016	1.75
82	MP4C	Y	-36.746	3.75
83	MP4C	My	.009	3.75
84	MP4C	Mz	.016	3.75
85	MP2A	Y	-53.406	2
86	MP2A	My	-.027	2
87	MP2A	Mz	0	2
88	MP2A	Y	-53.406	5
89	MP2A	My	-.027	5
90	MP2A	Mz	0	5
91	MP2B	Y	-53.406	2
92	MP2B	My	.013	2
93	MP2B	Mz	-.023	2
94	MP2B	Y	-53.406	5
95	MP2B	My	.013	5
96	MP2B	Mz	-.023	5
97	MP2C	Y	-53.406	2
98	MP2C	My	.013	2
99	MP2C	Mz	.023	2
100	MP2C	Y	-53.406	5
101	MP2C	My	.013	5
102	MP2C	Mz	.023	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.5
2	MP3A	Z	-209.676	1.5
3	MP3A	Mx	-.122	1.5
4	MP3A	X	0	6.5
5	MP3A	Z	-209.676	6.5
6	MP3A	Mx	-.122	6.5
7	MP3B	X	0	1.5
8	MP3B	Z	-156.494	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP3B	Mx	.022	1.5
10	MP3B	X	0	6.5
11	MP3B	Z	-156.494	6.5
12	MP3B	Mx	.022	6.5
13	MP3C	X	0	1.5
14	MP3C	Z	-156.494	1.5
15	MP3C	Mx	-.113	1.5
16	MP3C	X	0	6.5
17	MP3C	Z	-156.494	6.5
18	MP3C	Mx	-.113	6.5
19	MP3A	X	0	1.5
20	MP3A	Z	-209.676	1.5
21	MP3A	Mx	.122	1.5
22	MP3A	X	0	6.5
23	MP3A	Z	-209.676	6.5
24	MP3A	Mx	.122	6.5
25	MP3B	X	0	1.5
26	MP3B	Z	-156.494	1.5
27	MP3B	Mx	.113	1.5
28	MP3B	X	0	6.5
29	MP3B	Z	-156.494	6.5
30	MP3B	Mx	.113	6.5
31	MP3C	X	0	1.5
32	MP3C	Z	-156.494	1.5
33	MP3C	Mx	-.022	1.5
34	MP3C	X	0	6.5
35	MP3C	Z	-156.494	6.5
36	MP3C	Mx	-.022	6.5
37	MP3A	X	0	4
38	MP3A	Z	-12.112	4
39	MP3A	Mx	0	4
40	MP3B	X	0	4
41	MP3B	Z	-9.313	4
42	MP3B	Mx	-.004	4
43	MP3C	X	0	4
44	MP3C	Z	-9.313	4
45	MP3C	Mx	.004	4
46	OVP PIPE	X	0	1
47	OVP PIPE	Z	-109.278	1
48	OVP PIPE	Mx	0	1
49	MP3A	X	0	3
50	MP3A	Z	-61.217	3
51	MP3A	Mx	0	3
52	MP3B	X	0	3
53	MP3B	Z	-45.994	3
54	MP3B	Mx	-.02	3
55	MP3C	X	0	3
56	MP3C	Z	-45.994	3
57	MP3C	Mx	.02	3
58	MP2A	X	0	3
59	MP2A	Z	-61.217	3
60	MP2A	Mx	0	3
61	MP2B	X	0	3
62	MP2B	Z	-40.163	3
63	MP2B	Mx	-.017	3
64	MP2C	X	0	3
65	MP2C	Z	-40.163	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP2C	Mx	.017	3
67	MP4A	X	0	1.75
68	MP4A	Z	-76.93	1.75
69	MP4A	Mx	0	1.75
70	MP4A	X	0	3.75
71	MP4A	Z	-76.93	3.75
72	MP4A	Mx	0	3.75
73	MP4B	X	0	1.75
74	MP4B	Z	-41.821	1.75
75	MP4B	Mx	.018	1.75
76	MP4B	X	0	3.75
77	MP4B	Z	-41.821	3.75
78	MP4B	Mx	.018	3.75
79	MP4C	X	0	1.75
80	MP4C	Z	-41.821	1.75
81	MP4C	Mx	-.018	1.75
82	MP4C	X	0	3.75
83	MP4C	Z	-41.821	3.75
84	MP4C	Mx	-.018	3.75
85	MP2A	X	0	2
86	MP2A	Z	-123.907	2
87	MP2A	Mx	0	2
88	MP2A	X	0	5
89	MP2A	Z	-123.907	5
90	MP2A	Mx	0	5
91	MP2B	X	0	2
92	MP2B	Z	-82.022	2
93	MP2B	Mx	.036	2
94	MP2B	X	0	5
95	MP2B	Z	-82.022	5
96	MP2B	Mx	.036	5
97	MP2C	X	0	2
98	MP2C	Z	-82.022	2
99	MP2C	Mx	-.036	2
100	MP2C	X	0	5
101	MP2C	Z	-82.022	5
102	MP2C	Mx	-.036	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	95.974	1.5
2	MP3A	Z	-166.232	1.5
3	MP3A	Mx	-.145	1.5
4	MP3A	X	95.974	6.5
5	MP3A	Z	-166.232	6.5
6	MP3A	Mx	-.145	6.5
7	MP3B	X	69.383	1.5
8	MP3B	Z	-120.176	1.5
9	MP3B	Mx	.069	1.5
10	MP3B	X	69.383	6.5
11	MP3B	Z	-120.176	6.5
12	MP3B	Mx	.069	6.5
13	MP3C	X	95.974	1.5
14	MP3C	Z	-166.232	1.5
15	MP3C	Mx	-.145	1.5
16	MP3C	X	95.974	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP3C	Z	-166.232	6.5
18	MP3C	Mx	-.145	6.5
19	MP3A	X	95.974	1.5
20	MP3A	Z	-166.232	1.5
21	MP3A	Mx	.049	1.5
22	MP3A	X	95.974	6.5
23	MP3A	Z	-166.232	6.5
24	MP3A	Mx	.049	6.5
25	MP3B	X	69.383	1.5
26	MP3B	Z	-120.176	1.5
27	MP3B	Mx	.069	1.5
28	MP3B	X	69.383	6.5
29	MP3B	Z	-120.176	6.5
30	MP3B	Mx	.069	6.5
31	MP3C	X	95.974	1.5
32	MP3C	Z	-166.232	1.5
33	MP3C	Mx	.049	1.5
34	MP3C	X	95.974	6.5
35	MP3C	Z	-166.232	6.5
36	MP3C	Mx	.049	6.5
37	MP3A	X	5.59	4
38	MP3A	Z	-9.682	4
39	MP3A	Mx	.003	4
40	MP3B	X	4.19	4
41	MP3B	Z	-7.258	4
42	MP3B	Mx	-.004	4
43	MP3C	X	5.59	4
44	MP3C	Z	-9.682	4
45	MP3C	Mx	.003	4
46	OVP PIPE	X	50.7	1
47	OVP PIPE	Z	-87.816	1
48	OVP PIPE	Mx	0	1
49	MP3A	X	28.071	3
50	MP3A	Z	-48.621	3
51	MP3A	Mx	.014	3
52	MP3B	X	20.46	3
53	MP3B	Z	-35.438	3
54	MP3B	Mx	-.02	3
55	MP3C	X	28.071	3
56	MP3C	Z	-48.621	3
57	MP3C	Mx	.014	3
58	MP2A	X	27.1	3
59	MP2A	Z	-46.938	3
60	MP2A	Mx	.014	3
61	MP2B	X	16.573	3
62	MP2B	Z	-28.705	3
63	MP2B	Mx	-.017	3
64	MP2C	X	27.1	3
65	MP2C	Z	-46.938	3
66	MP2C	Mx	.014	3
67	MP4A	X	32.614	1.75
68	MP4A	Z	-56.488	1.75
69	MP4A	Mx	-.016	1.75
70	MP4A	X	32.614	3.75
71	MP4A	Z	-56.488	3.75
72	MP4A	Mx	-.016	3.75
73	MP4B	X	15.059	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP4B	Z	-26.083	1.75
75	MP4B	Mx	.015	1.75
76	MP4B	X	15.059	3.75
77	MP4B	Z	-26.083	3.75
78	MP4B	Mx	.015	3.75
79	MP4C	X	32.614	1.75
80	MP4C	Z	-56.488	1.75
81	MP4C	Mx	-.016	1.75
82	MP4C	X	32.614	3.75
83	MP4C	Z	-56.488	3.75
84	MP4C	Mx	-.016	3.75
85	MP2A	X	54.973	2
86	MP2A	Z	-95.215	2
87	MP2A	Mx	-.027	2
88	MP2A	X	54.973	5
89	MP2A	Z	-95.215	5
90	MP2A	Mx	-.027	5
91	MP2B	X	34.03	2
92	MP2B	Z	-58.942	2
93	MP2B	Mx	.034	2
94	MP2B	X	34.03	5
95	MP2B	Z	-58.942	5
96	MP2B	Mx	.034	5
97	MP2C	X	54.973	2
98	MP2C	Z	-95.215	2
99	MP2C	Mx	-.027	2
100	MP2C	X	54.973	5
101	MP2C	Z	-95.215	5
102	MP2C	Mx	-.027	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	135.528	1.5
2	MP3A	Z	-78.247	1.5
3	MP3A	Mx	-.113	1.5
4	MP3A	X	135.528	6.5
5	MP3A	Z	-78.247	6.5
6	MP3A	Mx	-.113	6.5
7	MP3B	X	135.528	1.5
8	MP3B	Z	-78.247	1.5
9	MP3B	Mx	.113	1.5
10	MP3B	X	135.528	6.5
11	MP3B	Z	-78.247	6.5
12	MP3B	Mx	.113	6.5
13	MP3C	X	181.585	1.5
14	MP3C	Z	-104.838	1.5
15	MP3C	Mx	-.122	1.5
16	MP3C	X	181.585	6.5
17	MP3C	Z	-104.838	6.5
18	MP3C	Mx	-.122	6.5
19	MP3A	X	135.528	1.5
20	MP3A	Z	-78.247	1.5
21	MP3A	Mx	-.022	1.5
22	MP3A	X	135.528	6.5
23	MP3A	Z	-78.247	6.5
24	MP3A	Mx	-.022	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP3B	X	135.528	1.5
26	MP3B	Z	-78.247	1.5
27	MP3B	Mx	.022	1.5
28	MP3B	X	135.528	6.5
29	MP3B	Z	-78.247	6.5
30	MP3B	Mx	.022	6.5
31	MP3C	X	181.585	1.5
32	MP3C	Z	-104.838	1.5
33	MP3C	Mx	.122	1.5
34	MP3C	X	181.585	6.5
35	MP3C	Z	-104.838	6.5
36	MP3C	Mx	.122	6.5
37	MP3A	X	8.066	4
38	MP3A	Z	-4.657	4
39	MP3A	Mx	.004	4
40	MP3B	X	8.066	4
41	MP3B	Z	-4.657	4
42	MP3B	Mx	-.004	4
43	MP3C	X	10.49	4
44	MP3C	Z	-6.056	4
45	MP3C	Mx	0	4
46	OVP PIPE	X	94.637	1
47	OVP PIPE	Z	-54.639	1
48	OVP PIPE	Mx	0	1
49	MP3A	X	39.832	3
50	MP3A	Z	-22.997	3
51	MP3A	Mx	.02	3
52	MP3B	X	39.832	3
53	MP3B	Z	-22.997	3
54	MP3B	Mx	-.02	3
55	MP3C	X	53.015	3
56	MP3C	Z	-30.608	3
57	MP3C	Mx	0	3
58	MP2A	X	34.782	3
59	MP2A	Z	-20.082	3
60	MP2A	Mx	.017	3
61	MP2B	X	34.782	3
62	MP2B	Z	-20.082	3
63	MP2B	Mx	-.017	3
64	MP2C	X	53.015	3
65	MP2C	Z	-30.608	3
66	MP2C	Mx	0	3
67	MP4A	X	36.218	1.75
68	MP4A	Z	-20.911	1.75
69	MP4A	Mx	-.018	1.75
70	MP4A	X	36.218	3.75
71	MP4A	Z	-20.911	3.75
72	MP4A	Mx	-.018	3.75
73	MP4B	X	36.218	1.75
74	MP4B	Z	-20.911	1.75
75	MP4B	Mx	.018	1.75
76	MP4B	X	36.218	3.75
77	MP4B	Z	-20.911	3.75
78	MP4B	Mx	.018	3.75
79	MP4C	X	66.624	1.75
80	MP4C	Z	-38.465	1.75
81	MP4C	Mx	0	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP4C	X	66.624	3.75
83	MP4C	Z	-38.465	3.75
84	MP4C	Mx	0	3.75
85	MP2A	X	71.033	2
86	MP2A	Z	-41.011	2
87	MP2A	Mx	-.036	2
88	MP2A	X	71.033	5
89	MP2A	Z	-41.011	5
90	MP2A	Mx	-.036	5
91	MP2B	X	71.033	2
92	MP2B	Z	-41.011	2
93	MP2B	Mx	.036	2
94	MP2B	X	71.033	5
95	MP2B	Z	-41.011	5
96	MP2B	Mx	.036	5
97	MP2C	X	107.306	2
98	MP2C	Z	-61.953	2
99	MP2C	Mx	0	2
100	MP2C	X	107.306	5
101	MP2C	Z	-61.953	5
102	MP2C	Mx	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	138.767	1.5
2	MP3A	Z	0	1.5
3	MP3A	Mx	-.069	1.5
4	MP3A	X	138.767	6.5
5	MP3A	Z	0	6.5
6	MP3A	Mx	-.069	6.5
7	MP3B	X	191.949	1.5
8	MP3B	Z	0	1.5
9	MP3B	Mx	.145	1.5
10	MP3B	X	191.949	6.5
11	MP3B	Z	0	6.5
12	MP3B	Mx	.145	6.5
13	MP3C	X	191.949	1.5
14	MP3C	Z	0	1.5
15	MP3C	Mx	-.049	1.5
16	MP3C	X	191.949	6.5
17	MP3C	Z	0	6.5
18	MP3C	Mx	-.049	6.5
19	MP3A	X	138.767	1.5
20	MP3A	Z	0	1.5
21	MP3A	Mx	-.069	1.5
22	MP3A	X	138.767	6.5
23	MP3A	Z	0	6.5
24	MP3A	Mx	-.069	6.5
25	MP3B	X	191.949	1.5
26	MP3B	Z	0	1.5
27	MP3B	Mx	-.049	1.5
28	MP3B	X	191.949	6.5
29	MP3B	Z	0	6.5
30	MP3B	Mx	-.049	6.5
31	MP3C	X	191.949	1.5
32	MP3C	Z	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP3C	Mx	.145	1.5
34	MP3C	X	191.949	6.5
35	MP3C	Z	0	6.5
36	MP3C	Mx	.145	6.5
37	MP3A	X	8.38	4
38	MP3A	Z	0	4
39	MP3A	Mx	.004	4
40	MP3B	X	11.179	4
41	MP3B	Z	0	4
42	MP3B	Mx	-.003	4
43	MP3C	X	11.179	4
44	MP3C	Z	0	4
45	MP3C	Mx	-.003	4
46	OVP PIPE	X	125.032	1
47	OVP PIPE	Z	0	1
48	OVP PIPE	Mx	0	1
49	MP3A	X	40.92	3
50	MP3A	Z	0	3
51	MP3A	Mx	.02	3
52	MP3B	X	56.143	3
53	MP3B	Z	0	3
54	MP3B	Mx	-.014	3
55	MP3C	X	56.143	3
56	MP3C	Z	0	3
57	MP3C	Mx	-.014	3
58	MP2A	X	33.145	3
59	MP2A	Z	0	3
60	MP2A	Mx	.017	3
61	MP2B	X	54.199	3
62	MP2B	Z	0	3
63	MP2B	Mx	-.014	3
64	MP2C	X	54.199	3
65	MP2C	Z	0	3
66	MP2C	Mx	-.014	3
67	MP4A	X	30.118	1.75
68	MP4A	Z	0	1.75
69	MP4A	Mx	-.015	1.75
70	MP4A	X	30.118	3.75
71	MP4A	Z	0	3.75
72	MP4A	Mx	-.015	3.75
73	MP4B	X	65.227	1.75
74	MP4B	Z	0	1.75
75	MP4B	Mx	.016	1.75
76	MP4B	X	65.227	3.75
77	MP4B	Z	0	3.75
78	MP4B	Mx	.016	3.75
79	MP4C	X	65.227	1.75
80	MP4C	Z	0	1.75
81	MP4C	Mx	.016	1.75
82	MP4C	X	65.227	3.75
83	MP4C	Z	0	3.75
84	MP4C	Mx	.016	3.75
85	MP2A	X	68.06	2
86	MP2A	Z	0	2
87	MP2A	Mx	-.034	2
88	MP2A	X	68.06	5
89	MP2A	Z	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP2A	Mx	-.034	5
91	MP2B	X	109.945	2
92	MP2B	Z	0	2
93	MP2B	Mx	.027	2
94	MP2B	X	109.945	5
95	MP2B	Z	0	5
96	MP2B	Mx	.027	5
97	MP2C	X	109.945	2
98	MP2C	Z	0	2
99	MP2C	Mx	.027	2
100	MP2C	X	109.945	5
101	MP2C	Z	0	5
102	MP2C	Mx	.027	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	135.528	1.5
2	MP3A	Z	78.247	1.5
3	MP3A	Mx	-.022	1.5
4	MP3A	X	135.528	6.5
5	MP3A	Z	78.247	6.5
6	MP3A	Mx	-.022	6.5
7	MP3B	X	181.585	1.5
8	MP3B	Z	104.838	1.5
9	MP3B	Mx	.122	1.5
10	MP3B	X	181.585	6.5
11	MP3B	Z	104.838	6.5
12	MP3B	Mx	.122	6.5
13	MP3C	X	135.528	1.5
14	MP3C	Z	78.247	1.5
15	MP3C	Mx	.022	1.5
16	MP3C	X	135.528	6.5
17	MP3C	Z	78.247	6.5
18	MP3C	Mx	.022	6.5
19	MP3A	X	135.528	1.5
20	MP3A	Z	78.247	1.5
21	MP3A	Mx	-.113	1.5
22	MP3A	X	135.528	6.5
23	MP3A	Z	78.247	6.5
24	MP3A	Mx	-.113	6.5
25	MP3B	X	181.585	1.5
26	MP3B	Z	104.838	1.5
27	MP3B	Mx	-.122	1.5
28	MP3B	X	181.585	6.5
29	MP3B	Z	104.838	6.5
30	MP3B	Mx	-.122	6.5
31	MP3C	X	135.528	1.5
32	MP3C	Z	78.247	1.5
33	MP3C	Mx	.113	1.5
34	MP3C	X	135.528	6.5
35	MP3C	Z	78.247	6.5
36	MP3C	Mx	.113	6.5
37	MP3A	X	8.066	4
38	MP3A	Z	4.657	4
39	MP3A	Mx	.004	4
40	MP3B	X	10.49	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP3B	Z	6.056	4
42	MP3B	Mx	0	4
43	MP3C	X	8.066	4
44	MP3C	Z	4.657	4
45	MP3C	Mx	-.004	4
46	OVP PIPE	X	115.103	1
47	OVP PIPE	Z	66.455	1
48	OVP PIPE	Mx	0	1
49	MP3A	X	39.832	3
50	MP3A	Z	22.997	3
51	MP3A	Mx	.02	3
52	MP3B	X	53.015	3
53	MP3B	Z	30.608	3
54	MP3B	Mx	0	3
55	MP3C	X	39.832	3
56	MP3C	Z	22.997	3
57	MP3C	Mx	-.02	3
58	MP2A	X	34.782	3
59	MP2A	Z	20.082	3
60	MP2A	Mx	.017	3
61	MP2B	X	53.015	3
62	MP2B	Z	30.608	3
63	MP2B	Mx	0	3
64	MP2C	X	34.782	3
65	MP2C	Z	20.082	3
66	MP2C	Mx	-.017	3
67	MP4A	X	36.218	1.75
68	MP4A	Z	20.911	1.75
69	MP4A	Mx	-.018	1.75
70	MP4A	X	36.218	3.75
71	MP4A	Z	20.911	3.75
72	MP4A	Mx	-.018	3.75
73	MP4B	X	66.624	1.75
74	MP4B	Z	38.465	1.75
75	MP4B	Mx	0	1.75
76	MP4B	X	66.624	3.75
77	MP4B	Z	38.465	3.75
78	MP4B	Mx	0	3.75
79	MP4C	X	36.218	1.75
80	MP4C	Z	20.911	1.75
81	MP4C	Mx	.018	1.75
82	MP4C	X	36.218	3.75
83	MP4C	Z	20.911	3.75
84	MP4C	Mx	.018	3.75
85	MP2A	X	71.033	2
86	MP2A	Z	41.011	2
87	MP2A	Mx	-.036	2
88	MP2A	X	71.033	5
89	MP2A	Z	41.011	5
90	MP2A	Mx	-.036	5
91	MP2B	X	107.306	2
92	MP2B	Z	61.953	2
93	MP2B	Mx	0	2
94	MP2B	X	107.306	5
95	MP2B	Z	61.953	5
96	MP2B	Mx	0	5
97	MP2C	X	71.033	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	MP2C	Z	41.011	2
99	MP2C	Mx	.036	2
100	MP2C	X	71.033	5
101	MP2C	Z	41.011	5
102	MP2C	Mx	.036	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	95.974	1.5
2	MP3A	Z	166.232	1.5
3	MP3A	Mx	.049	1.5
4	MP3A	X	95.974	6.5
5	MP3A	Z	166.232	6.5
6	MP3A	Mx	.049	6.5
7	MP3B	X	95.974	1.5
8	MP3B	Z	166.232	1.5
9	MP3B	Mx	.049	1.5
10	MP3B	X	95.974	6.5
11	MP3B	Z	166.232	6.5
12	MP3B	Mx	.049	6.5
13	MP3C	X	69.383	1.5
14	MP3C	Z	120.176	1.5
15	MP3C	Mx	.069	1.5
16	MP3C	X	69.383	6.5
17	MP3C	Z	120.176	6.5
18	MP3C	Mx	.069	6.5
19	MP3A	X	95.974	1.5
20	MP3A	Z	166.232	1.5
21	MP3A	Mx	-.145	1.5
22	MP3A	X	95.974	6.5
23	MP3A	Z	166.232	6.5
24	MP3A	Mx	-.145	6.5
25	MP3B	X	95.974	1.5
26	MP3B	Z	166.232	1.5
27	MP3B	Mx	-.145	1.5
28	MP3B	X	95.974	6.5
29	MP3B	Z	166.232	6.5
30	MP3B	Mx	-.145	6.5
31	MP3C	X	69.383	1.5
32	MP3C	Z	120.176	1.5
33	MP3C	Mx	.069	1.5
34	MP3C	X	69.383	6.5
35	MP3C	Z	120.176	6.5
36	MP3C	Mx	.069	6.5
37	MP3A	X	5.59	4
38	MP3A	Z	9.682	4
39	MP3A	Mx	.003	4
40	MP3B	X	5.59	4
41	MP3B	Z	9.682	4
42	MP3B	Mx	.003	4
43	MP3C	X	4.19	4
44	MP3C	Z	7.258	4
45	MP3C	Mx	-.004	4
46	OVP PIPE	X	62.516	1
47	OVP PIPE	Z	108.281	1
48	OVP PIPE	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP3A	X	28.071	3
50	MP3A	Z	48.621	3
51	MP3A	Mx	.014	3
52	MP3B	X	28.071	3
53	MP3B	Z	48.621	3
54	MP3B	Mx	.014	3
55	MP3C	X	20.46	3
56	MP3C	Z	35.438	3
57	MP3C	Mx	-.02	3
58	MP2A	X	27.1	3
59	MP2A	Z	46.938	3
60	MP2A	Mx	.014	3
61	MP2B	X	27.1	3
62	MP2B	Z	46.938	3
63	MP2B	Mx	.014	3
64	MP2C	X	16.573	3
65	MP2C	Z	28.705	3
66	MP2C	Mx	-.017	3
67	MP4A	X	32.614	1.75
68	MP4A	Z	56.488	1.75
69	MP4A	Mx	-.016	1.75
70	MP4A	X	32.614	3.75
71	MP4A	Z	56.488	3.75
72	MP4A	Mx	-.016	3.75
73	MP4B	X	32.614	1.75
74	MP4B	Z	56.488	1.75
75	MP4B	Mx	-.016	1.75
76	MP4B	X	32.614	3.75
77	MP4B	Z	56.488	3.75
78	MP4B	Mx	-.016	3.75
79	MP4C	X	15.059	1.75
80	MP4C	Z	26.083	1.75
81	MP4C	Mx	.015	1.75
82	MP4C	X	15.059	3.75
83	MP4C	Z	26.083	3.75
84	MP4C	Mx	.015	3.75
85	MP2A	X	54.973	2
86	MP2A	Z	95.215	2
87	MP2A	Mx	-.027	2
88	MP2A	X	54.973	5
89	MP2A	Z	95.215	5
90	MP2A	Mx	-.027	5
91	MP2B	X	54.973	2
92	MP2B	Z	95.215	2
93	MP2B	Mx	-.027	2
94	MP2B	X	54.973	5
95	MP2B	Z	95.215	5
96	MP2B	Mx	-.027	5
97	MP2C	X	34.03	2
98	MP2C	Z	58.942	2
99	MP2C	Mx	.034	2
100	MP2C	X	34.03	5
101	MP2C	Z	58.942	5
102	MP2C	Mx	.034	5

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	MP3A	X	0	1.5
2	MP3A	Z	209.676	1.5
3	MP3A	Mx	.122	1.5
4	MP3A	X	0	6.5
5	MP3A	Z	209.676	6.5
6	MP3A	Mx	.122	6.5
7	MP3B	X	0	1.5
8	MP3B	Z	156.494	1.5
9	MP3B	Mx	-.022	1.5
10	MP3B	X	0	6.5
11	MP3B	Z	156.494	6.5
12	MP3B	Mx	-.022	6.5
13	MP3C	X	0	1.5
14	MP3C	Z	156.494	1.5
15	MP3C	Mx	.113	1.5
16	MP3C	X	0	6.5
17	MP3C	Z	156.494	6.5
18	MP3C	Mx	.113	6.5
19	MP3A	X	0	1.5
20	MP3A	Z	209.676	1.5
21	MP3A	Mx	-.122	1.5
22	MP3A	X	0	6.5
23	MP3A	Z	209.676	6.5
24	MP3A	Mx	-.122	6.5
25	MP3B	X	0	1.5
26	MP3B	Z	156.494	1.5
27	MP3B	Mx	-.113	1.5
28	MP3B	X	0	6.5
29	MP3B	Z	156.494	6.5
30	MP3B	Mx	-.113	6.5
31	MP3C	X	0	1.5
32	MP3C	Z	156.494	1.5
33	MP3C	Mx	.022	1.5
34	MP3C	X	0	6.5
35	MP3C	Z	156.494	6.5
36	MP3C	Mx	.022	6.5
37	MP3A	X	0	4
38	MP3A	Z	12.112	4
39	MP3A	Mx	0	4
40	MP3B	X	0	4
41	MP3B	Z	9.313	4
42	MP3B	Mx	.004	4
43	MP3C	X	0	4
44	MP3C	Z	9.313	4
45	MP3C	Mx	-.004	4
46	OVP PIPE	X	0	1
47	OVP PIPE	Z	109.278	1
48	OVP PIPE	Mx	0	1
49	MP3A	X	0	3
50	MP3A	Z	61.217	3
51	MP3A	Mx	0	3
52	MP3B	X	0	3
53	MP3B	Z	45.994	3
54	MP3B	Mx	.02	3
55	MP3C	X	0	3
56	MP3C	Z	45.994	3
57	MP3C	Mx	-.02	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	0	3
59	MP2A	Z	61.217	3
60	MP2A	Mx	0	3
61	MP2B	X	0	3
62	MP2B	Z	40.163	3
63	MP2B	Mx	.017	3
64	MP2C	X	0	3
65	MP2C	Z	40.163	3
66	MP2C	Mx	-.017	3
67	MP4A	X	0	1.75
68	MP4A	Z	76.93	1.75
69	MP4A	Mx	0	1.75
70	MP4A	X	0	3.75
71	MP4A	Z	76.93	3.75
72	MP4A	Mx	0	3.75
73	MP4B	X	0	1.75
74	MP4B	Z	41.821	1.75
75	MP4B	Mx	-.018	1.75
76	MP4B	X	0	3.75
77	MP4B	Z	41.821	3.75
78	MP4B	Mx	-.018	3.75
79	MP4C	X	0	1.75
80	MP4C	Z	41.821	1.75
81	MP4C	Mx	.018	1.75
82	MP4C	X	0	3.75
83	MP4C	Z	41.821	3.75
84	MP4C	Mx	.018	3.75
85	MP2A	X	0	2
86	MP2A	Z	123.907	2
87	MP2A	Mx	0	2
88	MP2A	X	0	5
89	MP2A	Z	123.907	5
90	MP2A	Mx	0	5
91	MP2B	X	0	2
92	MP2B	Z	82.022	2
93	MP2B	Mx	-.036	2
94	MP2B	X	0	5
95	MP2B	Z	82.022	5
96	MP2B	Mx	-.036	5
97	MP2C	X	0	2
98	MP2C	Z	82.022	2
99	MP2C	Mx	.036	2
100	MP2C	X	0	5
101	MP2C	Z	82.022	5
102	MP2C	Mx	.036	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-95.974	1.5
2	MP3A	Z	166.232	1.5
3	MP3A	Mx	.145	1.5
4	MP3A	X	-95.974	6.5
5	MP3A	Z	166.232	6.5
6	MP3A	Mx	.145	6.5
7	MP3B	X	-69.383	1.5
8	MP3B	Z	120.176	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP3B	Mx	-.069	1.5
10	MP3B	X	-69.383	6.5
11	MP3B	Z	120.176	6.5
12	MP3B	Mx	-.069	6.5
13	MP3C	X	-95.974	1.5
14	MP3C	Z	166.232	1.5
15	MP3C	Mx	.145	1.5
16	MP3C	X	-95.974	6.5
17	MP3C	Z	166.232	6.5
18	MP3C	Mx	.145	6.5
19	MP3A	X	-95.974	1.5
20	MP3A	Z	166.232	1.5
21	MP3A	Mx	-.049	1.5
22	MP3A	X	-95.974	6.5
23	MP3A	Z	166.232	6.5
24	MP3A	Mx	-.049	6.5
25	MP3B	X	-69.383	1.5
26	MP3B	Z	120.176	1.5
27	MP3B	Mx	-.069	1.5
28	MP3B	X	-69.383	6.5
29	MP3B	Z	120.176	6.5
30	MP3B	Mx	-.069	6.5
31	MP3C	X	-95.974	1.5
32	MP3C	Z	166.232	1.5
33	MP3C	Mx	-.049	1.5
34	MP3C	X	-95.974	6.5
35	MP3C	Z	166.232	6.5
36	MP3C	Mx	-.049	6.5
37	MP3A	X	-5.59	4
38	MP3A	Z	9.682	4
39	MP3A	Mx	-.003	4
40	MP3B	X	-4.19	4
41	MP3B	Z	7.258	4
42	MP3B	Mx	.004	4
43	MP3C	X	-5.59	4
44	MP3C	Z	9.682	4
45	MP3C	Mx	-.003	4
46	OVP PIPE	X	-50.7	1
47	OVP PIPE	Z	87.816	1
48	OVP PIPE	Mx	0	1
49	MP3A	X	-28.071	3
50	MP3A	Z	48.621	3
51	MP3A	Mx	-.014	3
52	MP3B	X	-20.46	3
53	MP3B	Z	35.438	3
54	MP3B	Mx	.02	3
55	MP3C	X	-28.071	3
56	MP3C	Z	48.621	3
57	MP3C	Mx	-.014	3
58	MP2A	X	-27.1	3
59	MP2A	Z	46.938	3
60	MP2A	Mx	-.014	3
61	MP2B	X	-16.573	3
62	MP2B	Z	28.705	3
63	MP2B	Mx	.017	3
64	MP2C	X	-27.1	3
65	MP2C	Z	46.938	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP2C	Mx	-.014	3
67	MP4A	X	-32.614	1.75
68	MP4A	Z	56.488	1.75
69	MP4A	Mx	.016	1.75
70	MP4A	X	-32.614	3.75
71	MP4A	Z	56.488	3.75
72	MP4A	Mx	.016	3.75
73	MP4B	X	-15.059	1.75
74	MP4B	Z	26.083	1.75
75	MP4B	Mx	-.015	1.75
76	MP4B	X	-15.059	3.75
77	MP4B	Z	26.083	3.75
78	MP4B	Mx	-.015	3.75
79	MP4C	X	-32.614	1.75
80	MP4C	Z	56.488	1.75
81	MP4C	Mx	.016	1.75
82	MP4C	X	-32.614	3.75
83	MP4C	Z	56.488	3.75
84	MP4C	Mx	.016	3.75
85	MP2A	X	-54.973	2
86	MP2A	Z	95.215	2
87	MP2A	Mx	.027	2
88	MP2A	X	-54.973	5
89	MP2A	Z	95.215	5
90	MP2A	Mx	.027	5
91	MP2B	X	-34.03	2
92	MP2B	Z	58.942	2
93	MP2B	Mx	-.034	2
94	MP2B	X	-34.03	5
95	MP2B	Z	58.942	5
96	MP2B	Mx	-.034	5
97	MP2C	X	-54.973	2
98	MP2C	Z	95.215	2
99	MP2C	Mx	.027	2
100	MP2C	X	-54.973	5
101	MP2C	Z	95.215	5
102	MP2C	Mx	.027	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-135.528	1.5
2	MP3A	Z	78.247	1.5
3	MP3A	Mx	.113	1.5
4	MP3A	X	-135.528	6.5
5	MP3A	Z	78.247	6.5
6	MP3A	Mx	.113	6.5
7	MP3B	X	-135.528	1.5
8	MP3B	Z	78.247	1.5
9	MP3B	Mx	-.113	1.5
10	MP3B	X	-135.528	6.5
11	MP3B	Z	78.247	6.5
12	MP3B	Mx	-.113	6.5
13	MP3C	X	-181.585	1.5
14	MP3C	Z	104.838	1.5
15	MP3C	Mx	.122	1.5
16	MP3C	X	-181.585	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP3C	Z	104.838	6.5
18	MP3C	Mx	.122	6.5
19	MP3A	X	-135.528	1.5
20	MP3A	Z	78.247	1.5
21	MP3A	Mx	.022	1.5
22	MP3A	X	-135.528	6.5
23	MP3A	Z	78.247	6.5
24	MP3A	Mx	.022	6.5
25	MP3B	X	-135.528	1.5
26	MP3B	Z	78.247	1.5
27	MP3B	Mx	-.022	1.5
28	MP3B	X	-135.528	6.5
29	MP3B	Z	78.247	6.5
30	MP3B	Mx	-.022	6.5
31	MP3C	X	-181.585	1.5
32	MP3C	Z	104.838	1.5
33	MP3C	Mx	-.122	1.5
34	MP3C	X	-181.585	6.5
35	MP3C	Z	104.838	6.5
36	MP3C	Mx	-.122	6.5
37	MP3A	X	-8.066	4
38	MP3A	Z	4.657	4
39	MP3A	Mx	-.004	4
40	MP3B	X	-8.066	4
41	MP3B	Z	4.657	4
42	MP3B	Mx	.004	4
43	MP3C	X	-10.49	4
44	MP3C	Z	6.056	4
45	MP3C	Mx	0	4
46	OVP PIPE	X	-94.637	1
47	OVP PIPE	Z	54.639	1
48	OVP PIPE	Mx	0	1
49	MP3A	X	-39.832	3
50	MP3A	Z	22.997	3
51	MP3A	Mx	-.02	3
52	MP3B	X	-39.832	3
53	MP3B	Z	22.997	3
54	MP3B	Mx	.02	3
55	MP3C	X	-53.015	3
56	MP3C	Z	30.608	3
57	MP3C	Mx	0	3
58	MP2A	X	-34.782	3
59	MP2A	Z	20.082	3
60	MP2A	Mx	-.017	3
61	MP2B	X	-34.782	3
62	MP2B	Z	20.082	3
63	MP2B	Mx	.017	3
64	MP2C	X	-53.015	3
65	MP2C	Z	30.608	3
66	MP2C	Mx	0	3
67	MP4A	X	-36.218	1.75
68	MP4A	Z	20.911	1.75
69	MP4A	Mx	.018	1.75
70	MP4A	X	-36.218	3.75
71	MP4A	Z	20.911	3.75
72	MP4A	Mx	.018	3.75
73	MP4B	X	-36.218	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP4B	Z	20.911	1.75
75	MP4B	Mx	-.018	1.75
76	MP4B	X	-36.218	3.75
77	MP4B	Z	20.911	3.75
78	MP4B	Mx	-.018	3.75
79	MP4C	X	-66.624	1.75
80	MP4C	Z	38.465	1.75
81	MP4C	Mx	0	1.75
82	MP4C	X	-66.624	3.75
83	MP4C	Z	38.465	3.75
84	MP4C	Mx	0	3.75
85	MP2A	X	-71.033	2
86	MP2A	Z	41.011	2
87	MP2A	Mx	.036	2
88	MP2A	X	-71.033	5
89	MP2A	Z	41.011	5
90	MP2A	Mx	.036	5
91	MP2B	X	-71.033	2
92	MP2B	Z	41.011	2
93	MP2B	Mx	-.036	2
94	MP2B	X	-71.033	5
95	MP2B	Z	41.011	5
96	MP2B	Mx	-.036	5
97	MP2C	X	-107.306	2
98	MP2C	Z	61.953	2
99	MP2C	Mx	0	2
100	MP2C	X	-107.306	5
101	MP2C	Z	61.953	5
102	MP2C	Mx	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-138.767	1.5
2	MP3A	Z	0	1.5
3	MP3A	Mx	.069	1.5
4	MP3A	X	-138.767	6.5
5	MP3A	Z	0	6.5
6	MP3A	Mx	.069	6.5
7	MP3B	X	-191.949	1.5
8	MP3B	Z	0	1.5
9	MP3B	Mx	-.145	1.5
10	MP3B	X	-191.949	6.5
11	MP3B	Z	0	6.5
12	MP3B	Mx	-.145	6.5
13	MP3C	X	-191.949	1.5
14	MP3C	Z	0	1.5
15	MP3C	Mx	.049	1.5
16	MP3C	X	-191.949	6.5
17	MP3C	Z	0	6.5
18	MP3C	Mx	.049	6.5
19	MP3A	X	-138.767	1.5
20	MP3A	Z	0	1.5
21	MP3A	Mx	.069	1.5
22	MP3A	X	-138.767	6.5
23	MP3A	Z	0	6.5
24	MP3A	Mx	.069	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP3B	X	-191.949	1.5
26	MP3B	Z	0	1.5
27	MP3B	Mx	.049	1.5
28	MP3B	X	-191.949	6.5
29	MP3B	Z	0	6.5
30	MP3B	Mx	.049	6.5
31	MP3C	X	-191.949	1.5
32	MP3C	Z	0	1.5
33	MP3C	Mx	-.145	1.5
34	MP3C	X	-191.949	6.5
35	MP3C	Z	0	6.5
36	MP3C	Mx	-.145	6.5
37	MP3A	X	-8.38	4
38	MP3A	Z	0	4
39	MP3A	Mx	-.004	4
40	MP3B	X	-11.179	4
41	MP3B	Z	0	4
42	MP3B	Mx	.003	4
43	MP3C	X	-11.179	4
44	MP3C	Z	0	4
45	MP3C	Mx	.003	4
46	OVP PIPE	X	-125.032	1
47	OVP PIPE	Z	0	1
48	OVP PIPE	Mx	0	1
49	MP3A	X	-40.92	3
50	MP3A	Z	0	3
51	MP3A	Mx	-.02	3
52	MP3B	X	-56.143	3
53	MP3B	Z	0	3
54	MP3B	Mx	.014	3
55	MP3C	X	-56.143	3
56	MP3C	Z	0	3
57	MP3C	Mx	.014	3
58	MP2A	X	-33.145	3
59	MP2A	Z	0	3
60	MP2A	Mx	-.017	3
61	MP2B	X	-54.199	3
62	MP2B	Z	0	3
63	MP2B	Mx	.014	3
64	MP2C	X	-54.199	3
65	MP2C	Z	0	3
66	MP2C	Mx	.014	3
67	MP4A	X	-30.118	1.75
68	MP4A	Z	0	1.75
69	MP4A	Mx	.015	1.75
70	MP4A	X	-30.118	3.75
71	MP4A	Z	0	3.75
72	MP4A	Mx	.015	3.75
73	MP4B	X	-65.227	1.75
74	MP4B	Z	0	1.75
75	MP4B	Mx	-.016	1.75
76	MP4B	X	-65.227	3.75
77	MP4B	Z	0	3.75
78	MP4B	Mx	-.016	3.75
79	MP4C	X	-65.227	1.75
80	MP4C	Z	0	1.75
81	MP4C	Mx	-.016	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP4C	X	-65.227	3.75
83	MP4C	Z	0	3.75
84	MP4C	Mx	-.016	3.75
85	MP2A	X	-68.06	2
86	MP2A	Z	0	2
87	MP2A	Mx	.034	2
88	MP2A	X	-68.06	5
89	MP2A	Z	0	5
90	MP2A	Mx	.034	5
91	MP2B	X	-109.945	2
92	MP2B	Z	0	2
93	MP2B	Mx	-.027	2
94	MP2B	X	-109.945	5
95	MP2B	Z	0	5
96	MP2B	Mx	-.027	5
97	MP2C	X	-109.945	2
98	MP2C	Z	0	2
99	MP2C	Mx	-.027	2
100	MP2C	X	-109.945	5
101	MP2C	Z	0	5
102	MP2C	Mx	-.027	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-135.528	1.5
2	MP3A	Z	-78.247	1.5
3	MP3A	Mx	.022	1.5
4	MP3A	X	-135.528	6.5
5	MP3A	Z	-78.247	6.5
6	MP3A	Mx	.022	6.5
7	MP3B	X	-181.585	1.5
8	MP3B	Z	-104.838	1.5
9	MP3B	Mx	-.122	1.5
10	MP3B	X	-181.585	6.5
11	MP3B	Z	-104.838	6.5
12	MP3B	Mx	-.122	6.5
13	MP3C	X	-135.528	1.5
14	MP3C	Z	-78.247	1.5
15	MP3C	Mx	-.022	1.5
16	MP3C	X	-135.528	6.5
17	MP3C	Z	-78.247	6.5
18	MP3C	Mx	-.022	6.5
19	MP3A	X	-135.528	1.5
20	MP3A	Z	-78.247	1.5
21	MP3A	Mx	.113	1.5
22	MP3A	X	-135.528	6.5
23	MP3A	Z	-78.247	6.5
24	MP3A	Mx	.113	6.5
25	MP3B	X	-181.585	1.5
26	MP3B	Z	-104.838	1.5
27	MP3B	Mx	.122	1.5
28	MP3B	X	-181.585	6.5
29	MP3B	Z	-104.838	6.5
30	MP3B	Mx	.122	6.5
31	MP3C	X	-135.528	1.5
32	MP3C	Z	-78.247	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP3C	Mx	-.113	1.5
34	MP3C	X	-135.528	6.5
35	MP3C	Z	-78.247	6.5
36	MP3C	Mx	-.113	6.5
37	MP3A	X	-8.066	4
38	MP3A	Z	-4.657	4
39	MP3A	Mx	-.004	4
40	MP3B	X	-10.49	4
41	MP3B	Z	-6.056	4
42	MP3B	Mx	0	4
43	MP3C	X	-8.066	4
44	MP3C	Z	-4.657	4
45	MP3C	Mx	.004	4
46	OVP PIPE	X	-115.103	1
47	OVP PIPE	Z	-66.455	1
48	OVP PIPE	Mx	0	1
49	MP3A	X	-39.832	3
50	MP3A	Z	-22.997	3
51	MP3A	Mx	-.02	3
52	MP3B	X	-53.015	3
53	MP3B	Z	-30.608	3
54	MP3B	Mx	0	3
55	MP3C	X	-39.832	3
56	MP3C	Z	-22.997	3
57	MP3C	Mx	.02	3
58	MP2A	X	-34.782	3
59	MP2A	Z	-20.082	3
60	MP2A	Mx	-.017	3
61	MP2B	X	-53.015	3
62	MP2B	Z	-30.608	3
63	MP2B	Mx	0	3
64	MP2C	X	-34.782	3
65	MP2C	Z	-20.082	3
66	MP2C	Mx	.017	3
67	MP4A	X	-36.218	1.75
68	MP4A	Z	-20.911	1.75
69	MP4A	Mx	.018	1.75
70	MP4A	X	-36.218	3.75
71	MP4A	Z	-20.911	3.75
72	MP4A	Mx	.018	3.75
73	MP4B	X	-66.624	1.75
74	MP4B	Z	-38.465	1.75
75	MP4B	Mx	0	1.75
76	MP4B	X	-66.624	3.75
77	MP4B	Z	-38.465	3.75
78	MP4B	Mx	0	3.75
79	MP4C	X	-36.218	1.75
80	MP4C	Z	-20.911	1.75
81	MP4C	Mx	-.018	1.75
82	MP4C	X	-36.218	3.75
83	MP4C	Z	-20.911	3.75
84	MP4C	Mx	-.018	3.75
85	MP2A	X	-71.033	2
86	MP2A	Z	-41.011	2
87	MP2A	Mx	.036	2
88	MP2A	X	-71.033	5
89	MP2A	Z	-41.011	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP2A	Mx	.036	5
91	MP2B	X	-107.306	2
92	MP2B	Z	-61.953	2
93	MP2B	Mx	0	2
94	MP2B	X	-107.306	5
95	MP2B	Z	-61.953	5
96	MP2B	Mx	0	5
97	MP2C	X	-71.033	2
98	MP2C	Z	-41.011	2
99	MP2C	Mx	-.036	2
100	MP2C	X	-71.033	5
101	MP2C	Z	-41.011	5
102	MP2C	Mx	-.036	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-95.974	1.5
2	MP3A	Z	-166.232	1.5
3	MP3A	Mx	-.049	1.5
4	MP3A	X	-95.974	6.5
5	MP3A	Z	-166.232	6.5
6	MP3A	Mx	-.049	6.5
7	MP3B	X	-95.974	1.5
8	MP3B	Z	-166.232	1.5
9	MP3B	Mx	-.049	1.5
10	MP3B	X	-95.974	6.5
11	MP3B	Z	-166.232	6.5
12	MP3B	Mx	-.049	6.5
13	MP3C	X	-69.383	1.5
14	MP3C	Z	-120.176	1.5
15	MP3C	Mx	-.069	1.5
16	MP3C	X	-69.383	6.5
17	MP3C	Z	-120.176	6.5
18	MP3C	Mx	-.069	6.5
19	MP3A	X	-95.974	1.5
20	MP3A	Z	-166.232	1.5
21	MP3A	Mx	.145	1.5
22	MP3A	X	-95.974	6.5
23	MP3A	Z	-166.232	6.5
24	MP3A	Mx	.145	6.5
25	MP3B	X	-95.974	1.5
26	MP3B	Z	-166.232	1.5
27	MP3B	Mx	.145	1.5
28	MP3B	X	-95.974	6.5
29	MP3B	Z	-166.232	6.5
30	MP3B	Mx	.145	6.5
31	MP3C	X	-69.383	1.5
32	MP3C	Z	-120.176	1.5
33	MP3C	Mx	-.069	1.5
34	MP3C	X	-69.383	6.5
35	MP3C	Z	-120.176	6.5
36	MP3C	Mx	-.069	6.5
37	MP3A	X	-5.59	4
38	MP3A	Z	-9.682	4
39	MP3A	Mx	-.003	4
40	MP3B	X	-5.59	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP3B	Z	-9.682	4
42	MP3B	Mx	-.003	4
43	MP3C	X	-4.19	4
44	MP3C	Z	-7.258	4
45	MP3C	Mx	.004	4
46	OVP PIPE	X	-62.516	1
47	OVP PIPE	Z	-108.281	1
48	OVP PIPE	Mx	0	1
49	MP3A	X	-28.071	3
50	MP3A	Z	-48.621	3
51	MP3A	Mx	-.014	3
52	MP3B	X	-28.071	3
53	MP3B	Z	-48.621	3
54	MP3B	Mx	-.014	3
55	MP3C	X	-20.46	3
56	MP3C	Z	-35.438	3
57	MP3C	Mx	.02	3
58	MP2A	X	-27.1	3
59	MP2A	Z	-46.938	3
60	MP2A	Mx	-.014	3
61	MP2B	X	-27.1	3
62	MP2B	Z	-46.938	3
63	MP2B	Mx	-.014	3
64	MP2C	X	-16.573	3
65	MP2C	Z	-28.705	3
66	MP2C	Mx	.017	3
67	MP4A	X	-32.614	1.75
68	MP4A	Z	-56.488	1.75
69	MP4A	Mx	.016	1.75
70	MP4A	X	-32.614	3.75
71	MP4A	Z	-56.488	3.75
72	MP4A	Mx	.016	3.75
73	MP4B	X	-32.614	1.75
74	MP4B	Z	-56.488	1.75
75	MP4B	Mx	.016	1.75
76	MP4B	X	-32.614	3.75
77	MP4B	Z	-56.488	3.75
78	MP4B	Mx	.016	3.75
79	MP4C	X	-15.059	1.75
80	MP4C	Z	-26.083	1.75
81	MP4C	Mx	-.015	1.75
82	MP4C	X	-15.059	3.75
83	MP4C	Z	-26.083	3.75
84	MP4C	Mx	-.015	3.75
85	MP2A	X	-54.973	2
86	MP2A	Z	-95.215	2
87	MP2A	Mx	.027	2
88	MP2A	X	-54.973	5
89	MP2A	Z	-95.215	5
90	MP2A	Mx	.027	5
91	MP2B	X	-54.973	2
92	MP2B	Z	-95.215	2
93	MP2B	Mx	.027	2
94	MP2B	X	-54.973	5
95	MP2B	Z	-95.215	5
96	MP2B	Mx	.027	5
97	MP2C	X	-34.03	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	MP2C	Z	-58.942	2
99	MP2C	Mx	-.034	2
100	MP2C	X	-34.03	5
101	MP2C	Z	-58.942	5
102	MP2C	Mx	-.034	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.5
2	MP3A	Z	-42.994	1.5
3	MP3A	Mx	-.025	1.5
4	MP3A	X	0	6.5
5	MP3A	Z	-42.994	6.5
6	MP3A	Mx	-.025	6.5
7	MP3B	X	0	1.5
8	MP3B	Z	-32.87	1.5
9	MP3B	Mx	.005	1.5
10	MP3B	X	0	6.5
11	MP3B	Z	-32.87	6.5
12	MP3B	Mx	.005	6.5
13	MP3C	X	0	1.5
14	MP3C	Z	-32.87	1.5
15	MP3C	Mx	-.024	1.5
16	MP3C	X	0	6.5
17	MP3C	Z	-32.87	6.5
18	MP3C	Mx	-.024	6.5
19	MP3A	X	0	1.5
20	MP3A	Z	-42.994	1.5
21	MP3A	Mx	.025	1.5
22	MP3A	X	0	6.5
23	MP3A	Z	-42.994	6.5
24	MP3A	Mx	.025	6.5
25	MP3B	X	0	1.5
26	MP3B	Z	-32.87	1.5
27	MP3B	Mx	.024	1.5
28	MP3B	X	0	6.5
29	MP3B	Z	-32.87	6.5
30	MP3B	Mx	.024	6.5
31	MP3C	X	0	1.5
32	MP3C	Z	-32.87	1.5
33	MP3C	Mx	-.005	1.5
34	MP3C	X	0	6.5
35	MP3C	Z	-32.87	6.5
36	MP3C	Mx	-.005	6.5
37	MP3A	X	0	4
38	MP3A	Z	-3.396	4
39	MP3A	Mx	0	4
40	MP3B	X	0	4
41	MP3B	Z	-2.764	4
42	MP3B	Mx	-.001	4
43	MP3C	X	0	4
44	MP3C	Z	-2.764	4
45	MP3C	Mx	.001	4
46	OVP PIPE	X	0	1
47	OVP PIPE	Z	-23.897	1
48	OVP PIPE	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP3A	X	0	3
50	MP3A	Z	-13.915	3
51	MP3A	Mx	0	3
52	MP3B	X	0	3
53	MP3B	Z	-10.746	3
54	MP3B	Mx	-.005	3
55	MP3C	X	0	3
56	MP3C	Z	-10.746	3
57	MP3C	Mx	.005	3
58	MP2A	X	0	3
59	MP2A	Z	-13.915	3
60	MP2A	Mx	0	3
61	MP2B	X	0	3
62	MP2B	Z	-9.542	3
63	MP2B	Mx	-.004	3
64	MP2C	X	0	3
65	MP2C	Z	-9.542	3
66	MP2C	Mx	.004	3
67	MP4A	X	0	1.75
68	MP4A	Z	-16.484	1.75
69	MP4A	Mx	0	1.75
70	MP4A	X	0	3.75
71	MP4A	Z	-16.484	3.75
72	MP4A	Mx	0	3.75
73	MP4B	X	0	1.75
74	MP4B	Z	-9.4	1.75
75	MP4B	Mx	.004	1.75
76	MP4B	X	0	3.75
77	MP4B	Z	-9.4	3.75
78	MP4B	Mx	.004	3.75
79	MP4C	X	0	1.75
80	MP4C	Z	-9.4	1.75
81	MP4C	Mx	-.004	1.75
82	MP4C	X	0	3.75
83	MP4C	Z	-9.4	3.75
84	MP4C	Mx	-.004	3.75
85	MP2A	X	0	2
86	MP2A	Z	-26.009	2
87	MP2A	Mx	0	2
88	MP2A	X	0	5
89	MP2A	Z	-26.009	5
90	MP2A	Mx	0	5
91	MP2B	X	0	2
92	MP2B	Z	-17.949	2
93	MP2B	Mx	.008	2
94	MP2B	X	0	5
95	MP2B	Z	-17.949	5
96	MP2B	Mx	.008	5
97	MP2C	X	0	2
98	MP2C	Z	-17.949	2
99	MP2C	Mx	-.008	2
100	MP2C	X	0	5
101	MP2C	Z	-17.949	5
102	MP2C	Mx	-.008	5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	19.81	1.5
2	MP3A	Z	-34.311	1.5
3	MP3A	Mx	-.03	1.5
4	MP3A	X	19.81	6.5
5	MP3A	Z	-34.311	6.5
6	MP3A	Mx	-.03	6.5
7	MP3B	X	14.748	1.5
8	MP3B	Z	-25.544	1.5
9	MP3B	Mx	.015	1.5
10	MP3B	X	14.748	6.5
11	MP3B	Z	-25.544	6.5
12	MP3B	Mx	.015	6.5
13	MP3C	X	19.81	1.5
14	MP3C	Z	-34.311	1.5
15	MP3C	Mx	-.03	1.5
16	MP3C	X	19.81	6.5
17	MP3C	Z	-34.311	6.5
18	MP3C	Mx	-.03	6.5
19	MP3A	X	19.81	1.5
20	MP3A	Z	-34.311	1.5
21	MP3A	Mx	.01	1.5
22	MP3A	X	19.81	6.5
23	MP3A	Z	-34.311	6.5
24	MP3A	Mx	.01	6.5
25	MP3B	X	14.748	1.5
26	MP3B	Z	-25.544	1.5
27	MP3B	Mx	.015	1.5
28	MP3B	X	14.748	6.5
29	MP3B	Z	-25.544	6.5
30	MP3B	Mx	.015	6.5
31	MP3C	X	19.81	1.5
32	MP3C	Z	-34.311	1.5
33	MP3C	Mx	.01	1.5
34	MP3C	X	19.81	6.5
35	MP3C	Z	-34.311	6.5
36	MP3C	Mx	.01	6.5
37	MP3A	X	1.593	4
38	MP3A	Z	-2.759	4
39	MP3A	Mx	.000796	4
40	MP3B	X	1.277	4
41	MP3B	Z	-2.211	4
42	MP3B	Mx	-.001	4
43	MP3C	X	1.593	4
44	MP3C	Z	-2.759	4
45	MP3C	Mx	.000796	4
46	OVP PIPE	X	11.172	1
47	OVP PIPE	Z	-19.351	1
48	OVP PIPE	Mx	0	1
49	MP3A	X	6.429	3
50	MP3A	Z	-11.136	3
51	MP3A	Mx	.003	3
52	MP3B	X	4.845	3
53	MP3B	Z	-8.392	3
54	MP3B	Mx	-.005	3
55	MP3C	X	6.429	3
56	MP3C	Z	-11.136	3
57	MP3C	Mx	.003	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	6.229	3
59	MP2A	Z	-10.788	3
60	MP2A	Mx	.003	3
61	MP2B	X	4.042	3
62	MP2B	Z	-7.002	3
63	MP2B	Mx	-.004	3
64	MP2C	X	6.229	3
65	MP2C	Z	-10.788	3
66	MP2C	Mx	.003	3
67	MP4A	X	7.061	1.75
68	MP4A	Z	-12.231	1.75
69	MP4A	Mx	-.004	1.75
70	MP4A	X	7.061	3.75
71	MP4A	Z	-12.231	3.75
72	MP4A	Mx	-.004	3.75
73	MP4B	X	3.519	1.75
74	MP4B	Z	-6.096	1.75
75	MP4B	Mx	.004	1.75
76	MP4B	X	3.519	3.75
77	MP4B	Z	-6.096	3.75
78	MP4B	Mx	.004	3.75
79	MP4C	X	7.061	1.75
80	MP4C	Z	-12.231	1.75
81	MP4C	Mx	-.004	1.75
82	MP4C	X	7.061	3.75
83	MP4C	Z	-12.231	3.75
84	MP4C	Mx	-.004	3.75
85	MP2A	X	11.661	2
86	MP2A	Z	-20.198	2
87	MP2A	Mx	-.006	2
88	MP2A	X	11.661	5
89	MP2A	Z	-20.198	5
90	MP2A	Mx	-.006	5
91	MP2B	X	7.631	2
92	MP2B	Z	-13.218	2
93	MP2B	Mx	.008	2
94	MP2B	X	7.631	5
95	MP2B	Z	-13.218	5
96	MP2B	Mx	.008	5
97	MP2C	X	11.661	2
98	MP2C	Z	-20.198	2
99	MP2C	Mx	-.006	2
100	MP2C	X	11.661	5
101	MP2C	Z	-20.198	5
102	MP2C	Mx	-.006	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	28.467	1.5
2	MP3A	Z	-16.435	1.5
3	MP3A	Mx	-.024	1.5
4	MP3A	X	28.467	6.5
5	MP3A	Z	-16.435	6.5
6	MP3A	Mx	-.024	6.5
7	MP3B	X	28.467	1.5
8	MP3B	Z	-16.435	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP3B	Mx	.024	1.5
10	MP3B	X	28.467	6.5
11	MP3B	Z	-16.435	6.5
12	MP3B	Mx	.024	6.5
13	MP3C	X	37.234	1.5
14	MP3C	Z	-21.497	1.5
15	MP3C	Mx	-.025	1.5
16	MP3C	X	37.234	6.5
17	MP3C	Z	-21.497	6.5
18	MP3C	Mx	-.025	6.5
19	MP3A	X	28.467	1.5
20	MP3A	Z	-16.435	1.5
21	MP3A	Mx	-.005	1.5
22	MP3A	X	28.467	6.5
23	MP3A	Z	-16.435	6.5
24	MP3A	Mx	-.005	6.5
25	MP3B	X	28.467	1.5
26	MP3B	Z	-16.435	1.5
27	MP3B	Mx	.005	1.5
28	MP3B	X	28.467	6.5
29	MP3B	Z	-16.435	6.5
30	MP3B	Mx	.005	6.5
31	MP3C	X	37.234	1.5
32	MP3C	Z	-21.497	1.5
33	MP3C	Mx	.025	1.5
34	MP3C	X	37.234	6.5
35	MP3C	Z	-21.497	6.5
36	MP3C	Mx	.025	6.5
37	MP3A	X	2.394	4
38	MP3A	Z	-1.382	4
39	MP3A	Mx	.001	4
40	MP3B	X	2.394	4
41	MP3B	Z	-1.382	4
42	MP3B	Mx	-.001	4
43	MP3C	X	2.941	4
44	MP3C	Z	-1.698	4
45	MP3C	Mx	0	4
46	OVP PIPE	X	20.695	1
47	OVP PIPE	Z	-11.948	1
48	OVP PIPE	Mx	0	1
49	MP3A	X	9.307	3
50	MP3A	Z	-5.373	3
51	MP3A	Mx	.005	3
52	MP3B	X	9.307	3
53	MP3B	Z	-5.373	3
54	MP3B	Mx	-.005	3
55	MP3C	X	12.051	3
56	MP3C	Z	-6.957	3
57	MP3C	Mx	0	3
58	MP2A	X	8.264	3
59	MP2A	Z	-4.771	3
60	MP2A	Mx	.004	3
61	MP2B	X	8.264	3
62	MP2B	Z	-4.771	3
63	MP2B	Mx	-.004	3
64	MP2C	X	12.051	3
65	MP2C	Z	-6.957	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP2C	Mx	0	3
67	MP4A	X	8.141	1.75
68	MP4A	Z	-4.7	1.75
69	MP4A	Mx	-.004	1.75
70	MP4A	X	8.141	3.75
71	MP4A	Z	-4.7	3.75
72	MP4A	Mx	-.004	3.75
73	MP4B	X	8.141	1.75
74	MP4B	Z	-4.7	1.75
75	MP4B	Mx	.004	1.75
76	MP4B	X	8.141	3.75
77	MP4B	Z	-4.7	3.75
78	MP4B	Mx	.004	3.75
79	MP4C	X	14.276	1.75
80	MP4C	Z	-8.242	1.75
81	MP4C	Mx	0	1.75
82	MP4C	X	14.276	3.75
83	MP4C	Z	-8.242	3.75
84	MP4C	Mx	0	3.75
85	MP2A	X	15.544	2
86	MP2A	Z	-8.975	2
87	MP2A	Mx	-.008	2
88	MP2A	X	15.544	5
89	MP2A	Z	-8.975	5
90	MP2A	Mx	-.008	5
91	MP2B	X	15.544	2
92	MP2B	Z	-8.975	2
93	MP2B	Mx	.008	2
94	MP2B	X	15.544	5
95	MP2B	Z	-8.975	5
96	MP2B	Mx	.008	5
97	MP2C	X	22.524	2
98	MP2C	Z	-13.004	2
99	MP2C	Mx	0	2
100	MP2C	X	22.524	5
101	MP2C	Z	-13.004	5
102	MP2C	Mx	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	29.496	1.5
2	MP3A	Z	0	1.5
3	MP3A	Mx	-.015	1.5
4	MP3A	X	29.496	6.5
5	MP3A	Z	0	6.5
6	MP3A	Mx	-.015	6.5
7	MP3B	X	39.619	1.5
8	MP3B	Z	0	1.5
9	MP3B	Mx	.03	1.5
10	MP3B	X	39.619	6.5
11	MP3B	Z	0	6.5
12	MP3B	Mx	.03	6.5
13	MP3C	X	39.619	1.5
14	MP3C	Z	0	1.5
15	MP3C	Mx	-.01	1.5
16	MP3C	X	39.619	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP3C	Z	0	6.5
18	MP3C	Mx	-.01	6.5
19	MP3A	X	29.496	1.5
20	MP3A	Z	0	1.5
21	MP3A	Mx	-.015	1.5
22	MP3A	X	29.496	6.5
23	MP3A	Z	0	6.5
24	MP3A	Mx	-.015	6.5
25	MP3B	X	39.619	1.5
26	MP3B	Z	0	1.5
27	MP3B	Mx	-.01	1.5
28	MP3B	X	39.619	6.5
29	MP3B	Z	0	6.5
30	MP3B	Mx	-.01	6.5
31	MP3C	X	39.619	1.5
32	MP3C	Z	0	1.5
33	MP3C	Mx	.03	1.5
34	MP3C	X	39.619	6.5
35	MP3C	Z	0	6.5
36	MP3C	Mx	.03	6.5
37	MP3A	X	2.553	4
38	MP3A	Z	0	4
39	MP3A	Mx	.001	4
40	MP3B	X	3.186	4
41	MP3B	Z	0	4
42	MP3B	Mx	-.000796	4
43	MP3C	X	3.186	4
44	MP3C	Z	0	4
45	MP3C	Mx	-.000796	4
46	OVP PIPE	X	27.003	1
47	OVP PIPE	Z	0	1
48	OVP PIPE	Mx	0	1
49	MP3A	X	9.69	3
50	MP3A	Z	0	3
51	MP3A	Mx	.005	3
52	MP3B	X	12.859	3
53	MP3B	Z	0	3
54	MP3B	Mx	-.003	3
55	MP3C	X	12.859	3
56	MP3C	Z	0	3
57	MP3C	Mx	-.003	3
58	MP2A	X	8.085	3
59	MP2A	Z	0	3
60	MP2A	Mx	.004	3
61	MP2B	X	12.457	3
62	MP2B	Z	0	3
63	MP2B	Mx	-.003	3
64	MP2C	X	12.457	3
65	MP2C	Z	0	3
66	MP2C	Mx	-.003	3
67	MP4A	X	7.039	1.75
68	MP4A	Z	0	1.75
69	MP4A	Mx	-.004	1.75
70	MP4A	X	7.039	3.75
71	MP4A	Z	0	3.75
72	MP4A	Mx	-.004	3.75
73	MP4B	X	14.123	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP4B	Z	0	1.75
75	MP4B	Mx	.004	1.75
76	MP4B	X	14.123	3.75
77	MP4B	Z	0	3.75
78	MP4B	Mx	.004	3.75
79	MP4C	X	14.123	1.75
80	MP4C	Z	0	1.75
81	MP4C	Mx	.004	1.75
82	MP4C	X	14.123	3.75
83	MP4C	Z	0	3.75
84	MP4C	Mx	.004	3.75
85	MP2A	X	15.263	2
86	MP2A	Z	0	2
87	MP2A	Mx	-.008	2
88	MP2A	X	15.263	5
89	MP2A	Z	0	5
90	MP2A	Mx	-.008	5
91	MP2B	X	23.322	2
92	MP2B	Z	0	2
93	MP2B	Mx	.006	2
94	MP2B	X	23.322	5
95	MP2B	Z	0	5
96	MP2B	Mx	.006	5
97	MP2C	X	23.322	2
98	MP2C	Z	0	2
99	MP2C	Mx	.006	2
100	MP2C	X	23.322	5
101	MP2C	Z	0	5
102	MP2C	Mx	.006	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	28.467	1.5
2	MP3A	Z	16.435	1.5
3	MP3A	Mx	-.005	1.5
4	MP3A	X	28.467	6.5
5	MP3A	Z	16.435	6.5
6	MP3A	Mx	-.005	6.5
7	MP3B	X	37.234	1.5
8	MP3B	Z	21.497	1.5
9	MP3B	Mx	.025	1.5
10	MP3B	X	37.234	6.5
11	MP3B	Z	21.497	6.5
12	MP3B	Mx	.025	6.5
13	MP3C	X	28.467	1.5
14	MP3C	Z	16.435	1.5
15	MP3C	Mx	.005	1.5
16	MP3C	X	28.467	6.5
17	MP3C	Z	16.435	6.5
18	MP3C	Mx	.005	6.5
19	MP3A	X	28.467	1.5
20	MP3A	Z	16.435	1.5
21	MP3A	Mx	-.024	1.5
22	MP3A	X	28.467	6.5
23	MP3A	Z	16.435	6.5
24	MP3A	Mx	-.024	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP3B	X	37.234	1.5
26	MP3B	Z	21.497	1.5
27	MP3B	Mx	-.025	1.5
28	MP3B	X	37.234	6.5
29	MP3B	Z	21.497	6.5
30	MP3B	Mx	-.025	6.5
31	MP3C	X	28.467	1.5
32	MP3C	Z	16.435	1.5
33	MP3C	Mx	.024	1.5
34	MP3C	X	28.467	6.5
35	MP3C	Z	16.435	6.5
36	MP3C	Mx	.024	6.5
37	MP3A	X	2.394	4
38	MP3A	Z	1.382	4
39	MP3A	Mx	.001	4
40	MP3B	X	2.941	4
41	MP3B	Z	1.698	4
42	MP3B	Mx	0	4
43	MP3C	X	2.394	4
44	MP3C	Z	1.382	4
45	MP3C	Mx	-.001	4
46	OVP PIPE	X	24.73	1
47	OVP PIPE	Z	14.278	1
48	OVP PIPE	Mx	0	1
49	MP3A	X	9.307	3
50	MP3A	Z	5.373	3
51	MP3A	Mx	.005	3
52	MP3B	X	12.051	3
53	MP3B	Z	6.957	3
54	MP3B	Mx	0	3
55	MP3C	X	9.307	3
56	MP3C	Z	5.373	3
57	MP3C	Mx	-.005	3
58	MP2A	X	8.264	3
59	MP2A	Z	4.771	3
60	MP2A	Mx	.004	3
61	MP2B	X	12.051	3
62	MP2B	Z	6.957	3
63	MP2B	Mx	0	3
64	MP2C	X	8.264	3
65	MP2C	Z	4.771	3
66	MP2C	Mx	-.004	3
67	MP4A	X	8.141	1.75
68	MP4A	Z	4.7	1.75
69	MP4A	Mx	-.004	1.75
70	MP4A	X	8.141	3.75
71	MP4A	Z	4.7	3.75
72	MP4A	Mx	-.004	3.75
73	MP4B	X	14.276	1.75
74	MP4B	Z	8.242	1.75
75	MP4B	Mx	0	1.75
76	MP4B	X	14.276	3.75
77	MP4B	Z	8.242	3.75
78	MP4B	Mx	0	3.75
79	MP4C	X	8.141	1.75
80	MP4C	Z	4.7	1.75
81	MP4C	Mx	.004	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP4C	X	8.141	3.75
83	MP4C	Z	4.7	3.75
84	MP4C	Mx	.004	3.75
85	MP2A	X	15.544	2
86	MP2A	Z	8.975	2
87	MP2A	Mx	-.008	2
88	MP2A	X	15.544	5
89	MP2A	Z	8.975	5
90	MP2A	Mx	-.008	5
91	MP2B	X	22.524	2
92	MP2B	Z	13.004	2
93	MP2B	Mx	0	2
94	MP2B	X	22.524	5
95	MP2B	Z	13.004	5
96	MP2B	Mx	0	5
97	MP2C	X	15.544	2
98	MP2C	Z	8.975	2
99	MP2C	Mx	.008	2
100	MP2C	X	15.544	5
101	MP2C	Z	8.975	5
102	MP2C	Mx	.008	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	19.81	1.5
2	MP3A	Z	34.311	1.5
3	MP3A	Mx	.01	1.5
4	MP3A	X	19.81	6.5
5	MP3A	Z	34.311	6.5
6	MP3A	Mx	.01	6.5
7	MP3B	X	19.81	1.5
8	MP3B	Z	34.311	1.5
9	MP3B	Mx	.01	1.5
10	MP3B	X	19.81	6.5
11	MP3B	Z	34.311	6.5
12	MP3B	Mx	.01	6.5
13	MP3C	X	14.748	1.5
14	MP3C	Z	25.544	1.5
15	MP3C	Mx	.015	1.5
16	MP3C	X	14.748	6.5
17	MP3C	Z	25.544	6.5
18	MP3C	Mx	.015	6.5
19	MP3A	X	19.81	1.5
20	MP3A	Z	34.311	1.5
21	MP3A	Mx	-.03	1.5
22	MP3A	X	19.81	6.5
23	MP3A	Z	34.311	6.5
24	MP3A	Mx	-.03	6.5
25	MP3B	X	19.81	1.5
26	MP3B	Z	34.311	1.5
27	MP3B	Mx	-.03	1.5
28	MP3B	X	19.81	6.5
29	MP3B	Z	34.311	6.5
30	MP3B	Mx	-.03	6.5
31	MP3C	X	14.748	1.5
32	MP3C	Z	25.544	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP3C	Mx	.015	1.5
34	MP3C	X	14.748	6.5
35	MP3C	Z	25.544	6.5
36	MP3C	Mx	.015	6.5
37	MP3A	X	1.593	4
38	MP3A	Z	2.759	4
39	MP3A	Mx	.000796	4
40	MP3B	X	1.593	4
41	MP3B	Z	2.759	4
42	MP3B	Mx	.000796	4
43	MP3C	X	1.277	4
44	MP3C	Z	2.211	4
45	MP3C	Mx	-.001	4
46	OVP PIPE	X	13.501	1
47	OVP PIPE	Z	23.385	1
48	OVP PIPE	Mx	0	1
49	MP3A	X	6.429	3
50	MP3A	Z	11.136	3
51	MP3A	Mx	.003	3
52	MP3B	X	6.429	3
53	MP3B	Z	11.136	3
54	MP3B	Mx	.003	3
55	MP3C	X	4.845	3
56	MP3C	Z	8.392	3
57	MP3C	Mx	-.005	3
58	MP2A	X	6.229	3
59	MP2A	Z	10.788	3
60	MP2A	Mx	.003	3
61	MP2B	X	6.229	3
62	MP2B	Z	10.788	3
63	MP2B	Mx	.003	3
64	MP2C	X	4.042	3
65	MP2C	Z	7.002	3
66	MP2C	Mx	-.004	3
67	MP4A	X	7.061	1.75
68	MP4A	Z	12.231	1.75
69	MP4A	Mx	-.004	1.75
70	MP4A	X	7.061	3.75
71	MP4A	Z	12.231	3.75
72	MP4A	Mx	-.004	3.75
73	MP4B	X	7.061	1.75
74	MP4B	Z	12.231	1.75
75	MP4B	Mx	-.004	1.75
76	MP4B	X	7.061	3.75
77	MP4B	Z	12.231	3.75
78	MP4B	Mx	-.004	3.75
79	MP4C	X	3.519	1.75
80	MP4C	Z	6.096	1.75
81	MP4C	Mx	.004	1.75
82	MP4C	X	3.519	3.75
83	MP4C	Z	6.096	3.75
84	MP4C	Mx	.004	3.75
85	MP2A	X	11.661	2
86	MP2A	Z	20.198	2
87	MP2A	Mx	-.006	2
88	MP2A	X	11.661	5
89	MP2A	Z	20.198	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP2A	Mx	-.006	5
91	MP2B	X	11.661	2
92	MP2B	Z	20.198	2
93	MP2B	Mx	-.006	2
94	MP2B	X	11.661	5
95	MP2B	Z	20.198	5
96	MP2B	Mx	-.006	5
97	MP2C	X	7.631	2
98	MP2C	Z	13.218	2
99	MP2C	Mx	.008	2
100	MP2C	X	7.631	5
101	MP2C	Z	13.218	5
102	MP2C	Mx	.008	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.5
2	MP3A	Z	42.994	1.5
3	MP3A	Mx	.025	1.5
4	MP3A	X	0	6.5
5	MP3A	Z	42.994	6.5
6	MP3A	Mx	.025	6.5
7	MP3B	X	0	1.5
8	MP3B	Z	32.87	1.5
9	MP3B	Mx	-.005	1.5
10	MP3B	X	0	6.5
11	MP3B	Z	32.87	6.5
12	MP3B	Mx	-.005	6.5
13	MP3C	X	0	1.5
14	MP3C	Z	32.87	1.5
15	MP3C	Mx	.024	1.5
16	MP3C	X	0	6.5
17	MP3C	Z	32.87	6.5
18	MP3C	Mx	.024	6.5
19	MP3A	X	0	1.5
20	MP3A	Z	42.994	1.5
21	MP3A	Mx	-.025	1.5
22	MP3A	X	0	6.5
23	MP3A	Z	42.994	6.5
24	MP3A	Mx	-.025	6.5
25	MP3B	X	0	1.5
26	MP3B	Z	32.87	1.5
27	MP3B	Mx	-.024	1.5
28	MP3B	X	0	6.5
29	MP3B	Z	32.87	6.5
30	MP3B	Mx	-.024	6.5
31	MP3C	X	0	1.5
32	MP3C	Z	32.87	1.5
33	MP3C	Mx	.005	1.5
34	MP3C	X	0	6.5
35	MP3C	Z	32.87	6.5
36	MP3C	Mx	.005	6.5
37	MP3A	X	0	4
38	MP3A	Z	3.396	4
39	MP3A	Mx	0	4
40	MP3B	X	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP3B	Z	2.764	4
42	MP3B	Mx	.001	4
43	MP3C	X	0	4
44	MP3C	Z	2.764	4
45	MP3C	Mx	-.001	4
46	OVP PIPE	X	0	1
47	OVP PIPE	Z	23.897	1
48	OVP PIPE	Mx	0	1
49	MP3A	X	0	3
50	MP3A	Z	13.915	3
51	MP3A	Mx	0	3
52	MP3B	X	0	3
53	MP3B	Z	10.746	3
54	MP3B	Mx	.005	3
55	MP3C	X	0	3
56	MP3C	Z	10.746	3
57	MP3C	Mx	-.005	3
58	MP2A	X	0	3
59	MP2A	Z	13.915	3
60	MP2A	Mx	0	3
61	MP2B	X	0	3
62	MP2B	Z	9.542	3
63	MP2B	Mx	.004	3
64	MP2C	X	0	3
65	MP2C	Z	9.542	3
66	MP2C	Mx	-.004	3
67	MP4A	X	0	1.75
68	MP4A	Z	16.484	1.75
69	MP4A	Mx	0	1.75
70	MP4A	X	0	3.75
71	MP4A	Z	16.484	3.75
72	MP4A	Mx	0	3.75
73	MP4B	X	0	1.75
74	MP4B	Z	9.4	1.75
75	MP4B	Mx	-.004	1.75
76	MP4B	X	0	3.75
77	MP4B	Z	9.4	3.75
78	MP4B	Mx	-.004	3.75
79	MP4C	X	0	1.75
80	MP4C	Z	9.4	1.75
81	MP4C	Mx	.004	1.75
82	MP4C	X	0	3.75
83	MP4C	Z	9.4	3.75
84	MP4C	Mx	.004	3.75
85	MP2A	X	0	2
86	MP2A	Z	26.009	2
87	MP2A	Mx	0	2
88	MP2A	X	0	5
89	MP2A	Z	26.009	5
90	MP2A	Mx	0	5
91	MP2B	X	0	2
92	MP2B	Z	17.949	2
93	MP2B	Mx	-.008	2
94	MP2B	X	0	5
95	MP2B	Z	17.949	5
96	MP2B	Mx	-.008	5
97	MP2C	X	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	MP2C	Z	17.949	2
99	MP2C	Mx	.008	2
100	MP2C	X	0	5
101	MP2C	Z	17.949	5
102	MP2C	Mx	.008	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-19.81	1.5
2	MP3A	Z	34.311	1.5
3	MP3A	Mx	.03	1.5
4	MP3A	X	-19.81	6.5
5	MP3A	Z	34.311	6.5
6	MP3A	Mx	.03	6.5
7	MP3B	X	-14.748	1.5
8	MP3B	Z	25.544	1.5
9	MP3B	Mx	-.015	1.5
10	MP3B	X	-14.748	6.5
11	MP3B	Z	25.544	6.5
12	MP3B	Mx	-.015	6.5
13	MP3C	X	-19.81	1.5
14	MP3C	Z	34.311	1.5
15	MP3C	Mx	.03	1.5
16	MP3C	X	-19.81	6.5
17	MP3C	Z	34.311	6.5
18	MP3C	Mx	.03	6.5
19	MP3A	X	-19.81	1.5
20	MP3A	Z	34.311	1.5
21	MP3A	Mx	-.01	1.5
22	MP3A	X	-19.81	6.5
23	MP3A	Z	34.311	6.5
24	MP3A	Mx	-.01	6.5
25	MP3B	X	-14.748	1.5
26	MP3B	Z	25.544	1.5
27	MP3B	Mx	-.015	1.5
28	MP3B	X	-14.748	6.5
29	MP3B	Z	25.544	6.5
30	MP3B	Mx	-.015	6.5
31	MP3C	X	-19.81	1.5
32	MP3C	Z	34.311	1.5
33	MP3C	Mx	-.01	1.5
34	MP3C	X	-19.81	6.5
35	MP3C	Z	34.311	6.5
36	MP3C	Mx	-.01	6.5
37	MP3A	X	-1.593	4
38	MP3A	Z	2.759	4
39	MP3A	Mx	-.000796	4
40	MP3B	X	-1.277	4
41	MP3B	Z	2.211	4
42	MP3B	Mx	.001	4
43	MP3C	X	-1.593	4
44	MP3C	Z	2.759	4
45	MP3C	Mx	-.000796	4
46	OVP PIPE	X	-11.172	1
47	OVP PIPE	Z	19.351	1
48	OVP PIPE	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP3A	X	-6.429	3
50	MP3A	Z	11.136	3
51	MP3A	Mx	-.003	3
52	MP3B	X	-4.845	3
53	MP3B	Z	8.392	3
54	MP3B	Mx	.005	3
55	MP3C	X	-6.429	3
56	MP3C	Z	11.136	3
57	MP3C	Mx	-.003	3
58	MP2A	X	-6.229	3
59	MP2A	Z	10.788	3
60	MP2A	Mx	-.003	3
61	MP2B	X	-4.042	3
62	MP2B	Z	7.002	3
63	MP2B	Mx	.004	3
64	MP2C	X	-6.229	3
65	MP2C	Z	10.788	3
66	MP2C	Mx	-.003	3
67	MP4A	X	-7.061	1.75
68	MP4A	Z	12.231	1.75
69	MP4A	Mx	.004	1.75
70	MP4A	X	-7.061	3.75
71	MP4A	Z	12.231	3.75
72	MP4A	Mx	.004	3.75
73	MP4B	X	-3.519	1.75
74	MP4B	Z	6.096	1.75
75	MP4B	Mx	-.004	1.75
76	MP4B	X	-3.519	3.75
77	MP4B	Z	6.096	3.75
78	MP4B	Mx	-.004	3.75
79	MP4C	X	-7.061	1.75
80	MP4C	Z	12.231	1.75
81	MP4C	Mx	.004	1.75
82	MP4C	X	-7.061	3.75
83	MP4C	Z	12.231	3.75
84	MP4C	Mx	.004	3.75
85	MP2A	X	-11.661	2
86	MP2A	Z	20.198	2
87	MP2A	Mx	.006	2
88	MP2A	X	-11.661	5
89	MP2A	Z	20.198	5
90	MP2A	Mx	.006	5
91	MP2B	X	-7.631	2
92	MP2B	Z	13.218	2
93	MP2B	Mx	-.008	2
94	MP2B	X	-7.631	5
95	MP2B	Z	13.218	5
96	MP2B	Mx	-.008	5
97	MP2C	X	-11.661	2
98	MP2C	Z	20.198	2
99	MP2C	Mx	.006	2
100	MP2C	X	-11.661	5
101	MP2C	Z	20.198	5
102	MP2C	Mx	.006	5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-28.467	1.5
2	MP3A	Z	16.435	1.5
3	MP3A	Mx	.024	1.5
4	MP3A	X	-28.467	6.5
5	MP3A	Z	16.435	6.5
6	MP3A	Mx	.024	6.5
7	MP3B	X	-28.467	1.5
8	MP3B	Z	16.435	1.5
9	MP3B	Mx	-.024	1.5
10	MP3B	X	-28.467	6.5
11	MP3B	Z	16.435	6.5
12	MP3B	Mx	-.024	6.5
13	MP3C	X	-37.234	1.5
14	MP3C	Z	21.497	1.5
15	MP3C	Mx	.025	1.5
16	MP3C	X	-37.234	6.5
17	MP3C	Z	21.497	6.5
18	MP3C	Mx	.025	6.5
19	MP3A	X	-28.467	1.5
20	MP3A	Z	16.435	1.5
21	MP3A	Mx	.005	1.5
22	MP3A	X	-28.467	6.5
23	MP3A	Z	16.435	6.5
24	MP3A	Mx	.005	6.5
25	MP3B	X	-28.467	1.5
26	MP3B	Z	16.435	1.5
27	MP3B	Mx	-.005	1.5
28	MP3B	X	-28.467	6.5
29	MP3B	Z	16.435	6.5
30	MP3B	Mx	-.005	6.5
31	MP3C	X	-37.234	1.5
32	MP3C	Z	21.497	1.5
33	MP3C	Mx	-.025	1.5
34	MP3C	X	-37.234	6.5
35	MP3C	Z	21.497	6.5
36	MP3C	Mx	-.025	6.5
37	MP3A	X	-2.394	4
38	MP3A	Z	1.382	4
39	MP3A	Mx	-.001	4
40	MP3B	X	-2.394	4
41	MP3B	Z	1.382	4
42	MP3B	Mx	.001	4
43	MP3C	X	-2.941	4
44	MP3C	Z	1.698	4
45	MP3C	Mx	0	4
46	OVP PIPE	X	-20.695	1
47	OVP PIPE	Z	11.948	1
48	OVP PIPE	Mx	0	1
49	MP3A	X	-9.307	3
50	MP3A	Z	5.373	3
51	MP3A	Mx	-.005	3
52	MP3B	X	-9.307	3
53	MP3B	Z	5.373	3
54	MP3B	Mx	.005	3
55	MP3C	X	-12.051	3
56	MP3C	Z	6.957	3
57	MP3C	Mx	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	-8.264	3
59	MP2A	Z	4.771	3
60	MP2A	Mx	-.004	3
61	MP2B	X	-8.264	3
62	MP2B	Z	4.771	3
63	MP2B	Mx	.004	3
64	MP2C	X	-12.051	3
65	MP2C	Z	6.957	3
66	MP2C	Mx	0	3
67	MP4A	X	-8.141	1.75
68	MP4A	Z	4.7	1.75
69	MP4A	Mx	.004	1.75
70	MP4A	X	-8.141	3.75
71	MP4A	Z	4.7	3.75
72	MP4A	Mx	.004	3.75
73	MP4B	X	-8.141	1.75
74	MP4B	Z	4.7	1.75
75	MP4B	Mx	-.004	1.75
76	MP4B	X	-8.141	3.75
77	MP4B	Z	4.7	3.75
78	MP4B	Mx	-.004	3.75
79	MP4C	X	-14.276	1.75
80	MP4C	Z	8.242	1.75
81	MP4C	Mx	0	1.75
82	MP4C	X	-14.276	3.75
83	MP4C	Z	8.242	3.75
84	MP4C	Mx	0	3.75
85	MP2A	X	-15.544	2
86	MP2A	Z	8.975	2
87	MP2A	Mx	.008	2
88	MP2A	X	-15.544	5
89	MP2A	Z	8.975	5
90	MP2A	Mx	.008	5
91	MP2B	X	-15.544	2
92	MP2B	Z	8.975	2
93	MP2B	Mx	-.008	2
94	MP2B	X	-15.544	5
95	MP2B	Z	8.975	5
96	MP2B	Mx	-.008	5
97	MP2C	X	-22.524	2
98	MP2C	Z	13.004	2
99	MP2C	Mx	0	2
100	MP2C	X	-22.524	5
101	MP2C	Z	13.004	5
102	MP2C	Mx	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-29.496	1.5
2	MP3A	Z	0	1.5
3	MP3A	Mx	.015	1.5
4	MP3A	X	-29.496	6.5
5	MP3A	Z	0	6.5
6	MP3A	Mx	.015	6.5
7	MP3B	X	-39.619	1.5
8	MP3B	Z	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP3B	Mx	-.03	1.5
10	MP3B	X	-39.619	6.5
11	MP3B	Z	0	6.5
12	MP3B	Mx	-.03	6.5
13	MP3C	X	-39.619	1.5
14	MP3C	Z	0	1.5
15	MP3C	Mx	.01	1.5
16	MP3C	X	-39.619	6.5
17	MP3C	Z	0	6.5
18	MP3C	Mx	.01	6.5
19	MP3A	X	-29.496	1.5
20	MP3A	Z	0	1.5
21	MP3A	Mx	.015	1.5
22	MP3A	X	-29.496	6.5
23	MP3A	Z	0	6.5
24	MP3A	Mx	.015	6.5
25	MP3B	X	-39.619	1.5
26	MP3B	Z	0	1.5
27	MP3B	Mx	.01	1.5
28	MP3B	X	-39.619	6.5
29	MP3B	Z	0	6.5
30	MP3B	Mx	.01	6.5
31	MP3C	X	-39.619	1.5
32	MP3C	Z	0	1.5
33	MP3C	Mx	-.03	1.5
34	MP3C	X	-39.619	6.5
35	MP3C	Z	0	6.5
36	MP3C	Mx	-.03	6.5
37	MP3A	X	-2.553	4
38	MP3A	Z	0	4
39	MP3A	Mx	-.001	4
40	MP3B	X	-3.186	4
41	MP3B	Z	0	4
42	MP3B	Mx	.000796	4
43	MP3C	X	-3.186	4
44	MP3C	Z	0	4
45	MP3C	Mx	.000796	4
46	OVP PIPE	X	-27.003	1
47	OVP PIPE	Z	0	1
48	OVP PIPE	Mx	0	1
49	MP3A	X	-9.69	3
50	MP3A	Z	0	3
51	MP3A	Mx	-.005	3
52	MP3B	X	-12.859	3
53	MP3B	Z	0	3
54	MP3B	Mx	.003	3
55	MP3C	X	-12.859	3
56	MP3C	Z	0	3
57	MP3C	Mx	.003	3
58	MP2A	X	-8.085	3
59	MP2A	Z	0	3
60	MP2A	Mx	-.004	3
61	MP2B	X	-12.457	3
62	MP2B	Z	0	3
63	MP2B	Mx	.003	3
64	MP2C	X	-12.457	3
65	MP2C	Z	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP2C	Mx	.003	3
67	MP4A	X	-7.039	1.75
68	MP4A	Z	0	1.75
69	MP4A	Mx	.004	1.75
70	MP4A	X	-7.039	3.75
71	MP4A	Z	0	3.75
72	MP4A	Mx	.004	3.75
73	MP4B	X	-14.123	1.75
74	MP4B	Z	0	1.75
75	MP4B	Mx	-.004	1.75
76	MP4B	X	-14.123	3.75
77	MP4B	Z	0	3.75
78	MP4B	Mx	-.004	3.75
79	MP4C	X	-14.123	1.75
80	MP4C	Z	0	1.75
81	MP4C	Mx	-.004	1.75
82	MP4C	X	-14.123	3.75
83	MP4C	Z	0	3.75
84	MP4C	Mx	-.004	3.75
85	MP2A	X	-15.263	2
86	MP2A	Z	0	2
87	MP2A	Mx	.008	2
88	MP2A	X	-15.263	5
89	MP2A	Z	0	5
90	MP2A	Mx	.008	5
91	MP2B	X	-23.322	2
92	MP2B	Z	0	2
93	MP2B	Mx	-.006	2
94	MP2B	X	-23.322	5
95	MP2B	Z	0	5
96	MP2B	Mx	-.006	5
97	MP2C	X	-23.322	2
98	MP2C	Z	0	2
99	MP2C	Mx	-.006	2
100	MP2C	X	-23.322	5
101	MP2C	Z	0	5
102	MP2C	Mx	-.006	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-28.467	1.5
2	MP3A	Z	-16.435	1.5
3	MP3A	Mx	.005	1.5
4	MP3A	X	-28.467	6.5
5	MP3A	Z	-16.435	6.5
6	MP3A	Mx	.005	6.5
7	MP3B	X	-37.234	1.5
8	MP3B	Z	-21.497	1.5
9	MP3B	Mx	-.025	1.5
10	MP3B	X	-37.234	6.5
11	MP3B	Z	-21.497	6.5
12	MP3B	Mx	-.025	6.5
13	MP3C	X	-28.467	1.5
14	MP3C	Z	-16.435	1.5
15	MP3C	Mx	-.005	1.5
16	MP3C	X	-28.467	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP3C	Z	-16.435	6.5
18	MP3C	Mx	-.005	6.5
19	MP3A	X	-28.467	1.5
20	MP3A	Z	-16.435	1.5
21	MP3A	Mx	.024	1.5
22	MP3A	X	-28.467	6.5
23	MP3A	Z	-16.435	6.5
24	MP3A	Mx	.024	6.5
25	MP3B	X	-37.234	1.5
26	MP3B	Z	-21.497	1.5
27	MP3B	Mx	.025	1.5
28	MP3B	X	-37.234	6.5
29	MP3B	Z	-21.497	6.5
30	MP3B	Mx	.025	6.5
31	MP3C	X	-28.467	1.5
32	MP3C	Z	-16.435	1.5
33	MP3C	Mx	-.024	1.5
34	MP3C	X	-28.467	6.5
35	MP3C	Z	-16.435	6.5
36	MP3C	Mx	-.024	6.5
37	MP3A	X	-2.394	4
38	MP3A	Z	-1.382	4
39	MP3A	Mx	-.001	4
40	MP3B	X	-2.941	4
41	MP3B	Z	-1.698	4
42	MP3B	Mx	0	4
43	MP3C	X	-2.394	4
44	MP3C	Z	-1.382	4
45	MP3C	Mx	.001	4
46	OVP PIPE	X	-24.73	1
47	OVP PIPE	Z	-14.278	1
48	OVP PIPE	Mx	0	1
49	MP3A	X	-9.307	3
50	MP3A	Z	-5.373	3
51	MP3A	Mx	-.005	3
52	MP3B	X	-12.051	3
53	MP3B	Z	-6.957	3
54	MP3B	Mx	0	3
55	MP3C	X	-9.307	3
56	MP3C	Z	-5.373	3
57	MP3C	Mx	.005	3
58	MP2A	X	-8.264	3
59	MP2A	Z	-4.771	3
60	MP2A	Mx	-.004	3
61	MP2B	X	-12.051	3
62	MP2B	Z	-6.957	3
63	MP2B	Mx	0	3
64	MP2C	X	-8.264	3
65	MP2C	Z	-4.771	3
66	MP2C	Mx	.004	3
67	MP4A	X	-8.141	1.75
68	MP4A	Z	-4.7	1.75
69	MP4A	Mx	.004	1.75
70	MP4A	X	-8.141	3.75
71	MP4A	Z	-4.7	3.75
72	MP4A	Mx	.004	3.75
73	MP4B	X	-14.276	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP4B	Z	-8.242	1.75
75	MP4B	Mx	0	1.75
76	MP4B	X	-14.276	3.75
77	MP4B	Z	-8.242	3.75
78	MP4B	Mx	0	3.75
79	MP4C	X	-8.141	1.75
80	MP4C	Z	-4.7	1.75
81	MP4C	Mx	-.004	1.75
82	MP4C	X	-8.141	3.75
83	MP4C	Z	-4.7	3.75
84	MP4C	Mx	-.004	3.75
85	MP2A	X	-15.544	2
86	MP2A	Z	-8.975	2
87	MP2A	Mx	.008	2
88	MP2A	X	-15.544	5
89	MP2A	Z	-8.975	5
90	MP2A	Mx	.008	5
91	MP2B	X	-22.524	2
92	MP2B	Z	-13.004	2
93	MP2B	Mx	0	2
94	MP2B	X	-22.524	5
95	MP2B	Z	-13.004	5
96	MP2B	Mx	0	5
97	MP2C	X	-15.544	2
98	MP2C	Z	-8.975	2
99	MP2C	Mx	-.008	2
100	MP2C	X	-15.544	5
101	MP2C	Z	-8.975	5
102	MP2C	Mx	-.008	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-19.81	1.5
2	MP3A	Z	-34.311	1.5
3	MP3A	Mx	-.01	1.5
4	MP3A	X	-19.81	6.5
5	MP3A	Z	-34.311	6.5
6	MP3A	Mx	-.01	6.5
7	MP3B	X	-19.81	1.5
8	MP3B	Z	-34.311	1.5
9	MP3B	Mx	-.01	1.5
10	MP3B	X	-19.81	6.5
11	MP3B	Z	-34.311	6.5
12	MP3B	Mx	-.01	6.5
13	MP3C	X	-14.748	1.5
14	MP3C	Z	-25.544	1.5
15	MP3C	Mx	-.015	1.5
16	MP3C	X	-14.748	6.5
17	MP3C	Z	-25.544	6.5
18	MP3C	Mx	-.015	6.5
19	MP3A	X	-19.81	1.5
20	MP3A	Z	-34.311	1.5
21	MP3A	Mx	.03	1.5
22	MP3A	X	-19.81	6.5
23	MP3A	Z	-34.311	6.5
24	MP3A	Mx	.03	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP3B	X	-19.81	1.5
26	MP3B	Z	-34.311	1.5
27	MP3B	Mx	.03	1.5
28	MP3B	X	-19.81	6.5
29	MP3B	Z	-34.311	6.5
30	MP3B	Mx	.03	6.5
31	MP3C	X	-14.748	1.5
32	MP3C	Z	-25.544	1.5
33	MP3C	Mx	-.015	1.5
34	MP3C	X	-14.748	6.5
35	MP3C	Z	-25.544	6.5
36	MP3C	Mx	-.015	6.5
37	MP3A	X	-1.593	4
38	MP3A	Z	-2.759	4
39	MP3A	Mx	-.000796	4
40	MP3B	X	-1.593	4
41	MP3B	Z	-2.759	4
42	MP3B	Mx	-.000796	4
43	MP3C	X	-1.277	4
44	MP3C	Z	-2.211	4
45	MP3C	Mx	.001	4
46	OVP PIPE	X	-13.501	1
47	OVP PIPE	Z	-23.385	1
48	OVP PIPE	Mx	0	1
49	MP3A	X	-6.429	3
50	MP3A	Z	-11.136	3
51	MP3A	Mx	-.003	3
52	MP3B	X	-6.429	3
53	MP3B	Z	-11.136	3
54	MP3B	Mx	-.003	3
55	MP3C	X	-4.845	3
56	MP3C	Z	-8.392	3
57	MP3C	Mx	.005	3
58	MP2A	X	-6.229	3
59	MP2A	Z	-10.788	3
60	MP2A	Mx	-.003	3
61	MP2B	X	-6.229	3
62	MP2B	Z	-10.788	3
63	MP2B	Mx	-.003	3
64	MP2C	X	-4.042	3
65	MP2C	Z	-7.002	3
66	MP2C	Mx	.004	3
67	MP4A	X	-7.061	1.75
68	MP4A	Z	-12.231	1.75
69	MP4A	Mx	.004	1.75
70	MP4A	X	-7.061	3.75
71	MP4A	Z	-12.231	3.75
72	MP4A	Mx	.004	3.75
73	MP4B	X	-7.061	1.75
74	MP4B	Z	-12.231	1.75
75	MP4B	Mx	.004	1.75
76	MP4B	X	-7.061	3.75
77	MP4B	Z	-12.231	3.75
78	MP4B	Mx	.004	3.75
79	MP4C	X	-3.519	1.75
80	MP4C	Z	-6.096	1.75
81	MP4C	Mx	-.004	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP4C	X	-3.519	3.75
83	MP4C	Z	-6.096	3.75
84	MP4C	Mx	-.004	3.75
85	MP2A	X	-11.661	2
86	MP2A	Z	-20.198	2
87	MP2A	Mx	.006	2
88	MP2A	X	-11.661	5
89	MP2A	Z	-20.198	5
90	MP2A	Mx	.006	5
91	MP2B	X	-11.661	2
92	MP2B	Z	-20.198	2
93	MP2B	Mx	.006	2
94	MP2B	X	-11.661	5
95	MP2B	Z	-20.198	5
96	MP2B	Mx	.006	5
97	MP2C	X	-7.631	2
98	MP2C	Z	-13.218	2
99	MP2C	Mx	-.008	2
100	MP2C	X	-7.631	5
101	MP2C	Z	-13.218	5
102	MP2C	Mx	-.008	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.5
2	MP3A	Z	-14.269	1.5
3	MP3A	Mx	-.008	1.5
4	MP3A	X	0	6.5
5	MP3A	Z	-14.269	6.5
6	MP3A	Mx	-.008	6.5
7	MP3B	X	0	1.5
8	MP3B	Z	-10.65	1.5
9	MP3B	Mx	.002	1.5
10	MP3B	X	0	6.5
11	MP3B	Z	-10.65	6.5
12	MP3B	Mx	.002	6.5
13	MP3C	X	0	1.5
14	MP3C	Z	-10.65	1.5
15	MP3C	Mx	-.008	1.5
16	MP3C	X	0	6.5
17	MP3C	Z	-10.65	6.5
18	MP3C	Mx	-.008	6.5
19	MP3A	X	0	1.5
20	MP3A	Z	-14.269	1.5
21	MP3A	Mx	.008	1.5
22	MP3A	X	0	6.5
23	MP3A	Z	-14.269	6.5
24	MP3A	Mx	.008	6.5
25	MP3B	X	0	1.5
26	MP3B	Z	-10.65	1.5
27	MP3B	Mx	.008	1.5
28	MP3B	X	0	6.5
29	MP3B	Z	-10.65	6.5
30	MP3B	Mx	.008	6.5
31	MP3C	X	0	1.5
32	MP3C	Z	-10.65	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP3C	Mx	-.002	1.5
34	MP3C	X	0	6.5
35	MP3C	Z	-10.65	6.5
36	MP3C	Mx	-.002	6.5
37	MP3A	X	0	4
38	MP3A	Z	-.824	4
39	MP3A	Mx	0	4
40	MP3B	X	0	4
41	MP3B	Z	-.634	4
42	MP3B	Mx	-.000275	4
43	MP3C	X	0	4
44	MP3C	Z	-.634	4
45	MP3C	Mx	.000275	4
46	OVP PIPE	X	0	1
47	OVP PIPE	Z	-7.437	1
48	OVP PIPE	Mx	0	1
49	MP3A	X	0	3
50	MP3A	Z	-4.166	3
51	MP3A	Mx	0	3
52	MP3B	X	0	3
53	MP3B	Z	-3.13	3
54	MP3B	Mx	-.001	3
55	MP3C	X	0	3
56	MP3C	Z	-3.13	3
57	MP3C	Mx	.001	3
58	MP2A	X	0	3
59	MP2A	Z	-4.166	3
60	MP2A	Mx	0	3
61	MP2B	X	0	3
62	MP2B	Z	-2.733	3
63	MP2B	Mx	-.001	3
64	MP2C	X	0	3
65	MP2C	Z	-2.733	3
66	MP2C	Mx	.001	3
67	MP4A	X	0	1.75
68	MP4A	Z	-5.235	1.75
69	MP4A	Mx	0	1.75
70	MP4A	X	0	3.75
71	MP4A	Z	-5.235	3.75
72	MP4A	Mx	0	3.75
73	MP4B	X	0	1.75
74	MP4B	Z	-2.846	1.75
75	MP4B	Mx	.001	1.75
76	MP4B	X	0	3.75
77	MP4B	Z	-2.846	3.75
78	MP4B	Mx	.001	3.75
79	MP4C	X	0	1.75
80	MP4C	Z	-2.846	1.75
81	MP4C	Mx	-.001	1.75
82	MP4C	X	0	3.75
83	MP4C	Z	-2.846	3.75
84	MP4C	Mx	-.001	3.75
85	MP2A	X	0	2
86	MP2A	Z	-8.432	2
87	MP2A	Mx	0	2
88	MP2A	X	0	5
89	MP2A	Z	-8.432	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP2A	Mx	0	5
91	MP2B	X	0	2
92	MP2B	Z	-5.582	2
93	MP2B	Mx	.002	2
94	MP2B	X	0	5
95	MP2B	Z	-5.582	5
96	MP2B	Mx	.002	5
97	MP2C	X	0	2
98	MP2C	Z	-5.582	2
99	MP2C	Mx	-.002	2
100	MP2C	X	0	5
101	MP2C	Z	-5.582	5
102	MP2C	Mx	-.002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	6.531	1.5
2	MP3A	Z	-11.313	1.5
3	MP3A	Mx	-.01	1.5
4	MP3A	X	6.531	6.5
5	MP3A	Z	-11.313	6.5
6	MP3A	Mx	-.01	6.5
7	MP3B	X	4.722	1.5
8	MP3B	Z	-8.178	1.5
9	MP3B	Mx	.005	1.5
10	MP3B	X	4.722	6.5
11	MP3B	Z	-8.178	6.5
12	MP3B	Mx	.005	6.5
13	MP3C	X	6.531	1.5
14	MP3C	Z	-11.313	1.5
15	MP3C	Mx	-.01	1.5
16	MP3C	X	6.531	6.5
17	MP3C	Z	-11.313	6.5
18	MP3C	Mx	-.01	6.5
19	MP3A	X	6.531	1.5
20	MP3A	Z	-11.313	1.5
21	MP3A	Mx	.003	1.5
22	MP3A	X	6.531	6.5
23	MP3A	Z	-11.313	6.5
24	MP3A	Mx	.003	6.5
25	MP3B	X	4.722	1.5
26	MP3B	Z	-8.178	1.5
27	MP3B	Mx	.005	1.5
28	MP3B	X	4.722	6.5
29	MP3B	Z	-8.178	6.5
30	MP3B	Mx	.005	6.5
31	MP3C	X	6.531	1.5
32	MP3C	Z	-11.313	1.5
33	MP3C	Mx	.003	1.5
34	MP3C	X	6.531	6.5
35	MP3C	Z	-11.313	6.5
36	MP3C	Mx	.003	6.5
37	MP3A	X	.38	4
38	MP3A	Z	-.659	4
39	MP3A	Mx	.00019	4
40	MP3B	X	.285	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP3B	Z	-.494	4
42	MP3B	Mx	-.000285	4
43	MP3C	X	.38	4
44	MP3C	Z	-.659	4
45	MP3C	Mx	.00019	4
46	OVP PIPE	X	3.45	1
47	OVP PIPE	Z	-5.976	1
48	OVP PIPE	Mx	0	1
49	MP3A	X	1.91	3
50	MP3A	Z	-3.309	3
51	MP3A	Mx	.000955	3
52	MP3B	X	1.392	3
53	MP3B	Z	-2.412	3
54	MP3B	Mx	-.001	3
55	MP3C	X	1.91	3
56	MP3C	Z	-3.309	3
57	MP3C	Mx	.000955	3
58	MP2A	X	1.844	3
59	MP2A	Z	-3.194	3
60	MP2A	Mx	.000922	3
61	MP2B	X	1.128	3
62	MP2B	Z	-1.953	3
63	MP2B	Mx	-.001	3
64	MP2C	X	1.844	3
65	MP2C	Z	-3.194	3
66	MP2C	Mx	.000922	3
67	MP4A	X	2.219	1.75
68	MP4A	Z	-3.844	1.75
69	MP4A	Mx	-.001	1.75
70	MP4A	X	2.219	3.75
71	MP4A	Z	-3.844	3.75
72	MP4A	Mx	-.001	3.75
73	MP4B	X	1.025	1.75
74	MP4B	Z	-1.775	1.75
75	MP4B	Mx	.001	1.75
76	MP4B	X	1.025	3.75
77	MP4B	Z	-1.775	3.75
78	MP4B	Mx	.001	3.75
79	MP4C	X	2.219	1.75
80	MP4C	Z	-3.844	1.75
81	MP4C	Mx	-.001	1.75
82	MP4C	X	2.219	3.75
83	MP4C	Z	-3.844	3.75
84	MP4C	Mx	-.001	3.75
85	MP2A	X	3.741	2
86	MP2A	Z	-6.48	2
87	MP2A	Mx	-.002	2
88	MP2A	X	3.741	5
89	MP2A	Z	-6.48	5
90	MP2A	Mx	-.002	5
91	MP2B	X	2.316	2
92	MP2B	Z	-4.011	2
93	MP2B	Mx	.002	2
94	MP2B	X	2.316	5
95	MP2B	Z	-4.011	5
96	MP2B	Mx	.002	5
97	MP2C	X	3.741	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	MP2C	Z	-6.48	2
99	MP2C	Mx	-.002	2
100	MP2C	X	3.741	5
101	MP2C	Z	-6.48	5
102	MP2C	Mx	-.002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	9.223	1.5
2	MP3A	Z	-5.325	1.5
3	MP3A	Mx	-.008	1.5
4	MP3A	X	9.223	6.5
5	MP3A	Z	-5.325	6.5
6	MP3A	Mx	-.008	6.5
7	MP3B	X	9.223	1.5
8	MP3B	Z	-5.325	1.5
9	MP3B	Mx	.008	1.5
10	MP3B	X	9.223	6.5
11	MP3B	Z	-5.325	6.5
12	MP3B	Mx	.008	6.5
13	MP3C	X	12.357	1.5
14	MP3C	Z	-7.135	1.5
15	MP3C	Mx	-.008	1.5
16	MP3C	X	12.357	6.5
17	MP3C	Z	-7.135	6.5
18	MP3C	Mx	-.008	6.5
19	MP3A	X	9.223	1.5
20	MP3A	Z	-5.325	1.5
21	MP3A	Mx	-.002	1.5
22	MP3A	X	9.223	6.5
23	MP3A	Z	-5.325	6.5
24	MP3A	Mx	-.002	6.5
25	MP3B	X	9.223	1.5
26	MP3B	Z	-5.325	1.5
27	MP3B	Mx	.002	1.5
28	MP3B	X	9.223	6.5
29	MP3B	Z	-5.325	6.5
30	MP3B	Mx	.002	6.5
31	MP3C	X	12.357	1.5
32	MP3C	Z	-7.135	1.5
33	MP3C	Mx	.008	1.5
34	MP3C	X	12.357	6.5
35	MP3C	Z	-7.135	6.5
36	MP3C	Mx	.008	6.5
37	MP3A	X	.549	4
38	MP3A	Z	-.317	4
39	MP3A	Mx	.000275	4
40	MP3B	X	.549	4
41	MP3B	Z	-.317	4
42	MP3B	Mx	-.000275	4
43	MP3C	X	.714	4
44	MP3C	Z	-.412	4
45	MP3C	Mx	0	4
46	OVP PIPE	X	6.44	1
47	OVP PIPE	Z	-3.718	1
48	OVP PIPE	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP3A	X	2.711	3
50	MP3A	Z	-1.565	3
51	MP3A	Mx	.001	3
52	MP3B	X	2.711	3
53	MP3B	Z	-1.565	3
54	MP3B	Mx	-.001	3
55	MP3C	X	3.608	3
56	MP3C	Z	-2.083	3
57	MP3C	Mx	0	3
58	MP2A	X	2.367	3
59	MP2A	Z	-1.367	3
60	MP2A	Mx	.001	3
61	MP2B	X	2.367	3
62	MP2B	Z	-1.367	3
63	MP2B	Mx	-.001	3
64	MP2C	X	3.608	3
65	MP2C	Z	-2.083	3
66	MP2C	Mx	0	3
67	MP4A	X	2.465	1.75
68	MP4A	Z	-1.423	1.75
69	MP4A	Mx	-.001	1.75
70	MP4A	X	2.465	3.75
71	MP4A	Z	-1.423	3.75
72	MP4A	Mx	-.001	3.75
73	MP4B	X	2.465	1.75
74	MP4B	Z	-1.423	1.75
75	MP4B	Mx	.001	1.75
76	MP4B	X	2.465	3.75
77	MP4B	Z	-1.423	3.75
78	MP4B	Mx	.001	3.75
79	MP4C	X	4.534	1.75
80	MP4C	Z	-2.618	1.75
81	MP4C	Mx	0	1.75
82	MP4C	X	4.534	3.75
83	MP4C	Z	-2.618	3.75
84	MP4C	Mx	0	3.75
85	MP2A	X	4.834	2
86	MP2A	Z	-2.791	2
87	MP2A	Mx	-.002	2
88	MP2A	X	4.834	5
89	MP2A	Z	-2.791	5
90	MP2A	Mx	-.002	5
91	MP2B	X	4.834	2
92	MP2B	Z	-2.791	2
93	MP2B	Mx	.002	2
94	MP2B	X	4.834	5
95	MP2B	Z	-2.791	5
96	MP2B	Mx	.002	5
97	MP2C	X	7.303	2
98	MP2C	Z	-4.216	2
99	MP2C	Mx	0	2
100	MP2C	X	7.303	5
101	MP2C	Z	-4.216	5
102	MP2C	Mx	0	5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	9.443	1.5
2	MP3A	Z	0	1.5
3	MP3A	Mx	-.005	1.5
4	MP3A	X	9.443	6.5
5	MP3A	Z	0	6.5
6	MP3A	Mx	-.005	6.5
7	MP3B	X	13.063	1.5
8	MP3B	Z	0	1.5
9	MP3B	Mx	.01	1.5
10	MP3B	X	13.063	6.5
11	MP3B	Z	0	6.5
12	MP3B	Mx	.01	6.5
13	MP3C	X	13.063	1.5
14	MP3C	Z	0	1.5
15	MP3C	Mx	-.003	1.5
16	MP3C	X	13.063	6.5
17	MP3C	Z	0	6.5
18	MP3C	Mx	-.003	6.5
19	MP3A	X	9.443	1.5
20	MP3A	Z	0	1.5
21	MP3A	Mx	-.005	1.5
22	MP3A	X	9.443	6.5
23	MP3A	Z	0	6.5
24	MP3A	Mx	-.005	6.5
25	MP3B	X	13.063	1.5
26	MP3B	Z	0	1.5
27	MP3B	Mx	-.003	1.5
28	MP3B	X	13.063	6.5
29	MP3B	Z	0	6.5
30	MP3B	Mx	-.003	6.5
31	MP3C	X	13.063	1.5
32	MP3C	Z	0	1.5
33	MP3C	Mx	.01	1.5
34	MP3C	X	13.063	6.5
35	MP3C	Z	0	6.5
36	MP3C	Mx	.01	6.5
37	MP3A	X	.57	4
38	MP3A	Z	0	4
39	MP3A	Mx	.000285	4
40	MP3B	X	.761	4
41	MP3B	Z	0	4
42	MP3B	Mx	-.00019	4
43	MP3C	X	.761	4
44	MP3C	Z	0	4
45	MP3C	Mx	-.00019	4
46	OVP PIPE	X	8.509	1
47	OVP PIPE	Z	0	1
48	OVP PIPE	Mx	0	1
49	MP3A	X	2.785	3
50	MP3A	Z	0	3
51	MP3A	Mx	.001	3
52	MP3B	X	3.821	3
53	MP3B	Z	0	3
54	MP3B	Mx	-.000955	3
55	MP3C	X	3.821	3
56	MP3C	Z	0	3
57	MP3C	Mx	-.000955	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	2.256	3
59	MP2A	Z	0	3
60	MP2A	Mx	.001	3
61	MP2B	X	3.688	3
62	MP2B	Z	0	3
63	MP2B	Mx	-.000922	3
64	MP2C	X	3.688	3
65	MP2C	Z	0	3
66	MP2C	Mx	-.000922	3
67	MP4A	X	2.05	1.75
68	MP4A	Z	0	1.75
69	MP4A	Mx	-.001	1.75
70	MP4A	X	2.05	3.75
71	MP4A	Z	0	3.75
72	MP4A	Mx	-.001	3.75
73	MP4B	X	4.439	1.75
74	MP4B	Z	0	1.75
75	MP4B	Mx	.001	1.75
76	MP4B	X	4.439	3.75
77	MP4B	Z	0	3.75
78	MP4B	Mx	.001	3.75
79	MP4C	X	4.439	1.75
80	MP4C	Z	0	1.75
81	MP4C	Mx	.001	1.75
82	MP4C	X	4.439	3.75
83	MP4C	Z	0	3.75
84	MP4C	Mx	.001	3.75
85	MP2A	X	4.632	2
86	MP2A	Z	0	2
87	MP2A	Mx	-.002	2
88	MP2A	X	4.632	5
89	MP2A	Z	0	5
90	MP2A	Mx	-.002	5
91	MP2B	X	7.482	2
92	MP2B	Z	0	2
93	MP2B	Mx	.002	2
94	MP2B	X	7.482	5
95	MP2B	Z	0	5
96	MP2B	Mx	.002	5
97	MP2C	X	7.482	2
98	MP2C	Z	0	2
99	MP2C	Mx	.002	2
100	MP2C	X	7.482	5
101	MP2C	Z	0	5
102	MP2C	Mx	.002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	9.223	1.5
2	MP3A	Z	5.325	1.5
3	MP3A	Mx	-.002	1.5
4	MP3A	X	9.223	6.5
5	MP3A	Z	5.325	6.5
6	MP3A	Mx	-.002	6.5
7	MP3B	X	12.357	1.5
8	MP3B	Z	7.135	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP3B	Mx	.008	1.5
10	MP3B	X	12.357	6.5
11	MP3B	Z	7.135	6.5
12	MP3B	Mx	.008	6.5
13	MP3C	X	9.223	1.5
14	MP3C	Z	5.325	1.5
15	MP3C	Mx	.002	1.5
16	MP3C	X	9.223	6.5
17	MP3C	Z	5.325	6.5
18	MP3C	Mx	.002	6.5
19	MP3A	X	9.223	1.5
20	MP3A	Z	5.325	1.5
21	MP3A	Mx	-.008	1.5
22	MP3A	X	9.223	6.5
23	MP3A	Z	5.325	6.5
24	MP3A	Mx	-.008	6.5
25	MP3B	X	12.357	1.5
26	MP3B	Z	7.135	1.5
27	MP3B	Mx	-.008	1.5
28	MP3B	X	12.357	6.5
29	MP3B	Z	7.135	6.5
30	MP3B	Mx	-.008	6.5
31	MP3C	X	9.223	1.5
32	MP3C	Z	5.325	1.5
33	MP3C	Mx	.008	1.5
34	MP3C	X	9.223	6.5
35	MP3C	Z	5.325	6.5
36	MP3C	Mx	.008	6.5
37	MP3A	X	.549	4
38	MP3A	Z	.317	4
39	MP3A	Mx	.000275	4
40	MP3B	X	.714	4
41	MP3B	Z	.412	4
42	MP3B	Mx	0	4
43	MP3C	X	.549	4
44	MP3C	Z	.317	4
45	MP3C	Mx	-.000275	4
46	OVP PIPE	X	7.833	1
47	OVP PIPE	Z	4.522	1
48	OVP PIPE	Mx	0	1
49	MP3A	X	2.711	3
50	MP3A	Z	1.565	3
51	MP3A	Mx	.001	3
52	MP3B	X	3.608	3
53	MP3B	Z	2.083	3
54	MP3B	Mx	0	3
55	MP3C	X	2.711	3
56	MP3C	Z	1.565	3
57	MP3C	Mx	-.001	3
58	MP2A	X	2.367	3
59	MP2A	Z	1.367	3
60	MP2A	Mx	.001	3
61	MP2B	X	3.608	3
62	MP2B	Z	2.083	3
63	MP2B	Mx	0	3
64	MP2C	X	2.367	3
65	MP2C	Z	1.367	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP2C	Mx	-.001	3
67	MP4A	X	2.465	1.75
68	MP4A	Z	1.423	1.75
69	MP4A	Mx	-.001	1.75
70	MP4A	X	2.465	3.75
71	MP4A	Z	1.423	3.75
72	MP4A	Mx	-.001	3.75
73	MP4B	X	4.534	1.75
74	MP4B	Z	2.618	1.75
75	MP4B	Mx	0	1.75
76	MP4B	X	4.534	3.75
77	MP4B	Z	2.618	3.75
78	MP4B	Mx	0	3.75
79	MP4C	X	2.465	1.75
80	MP4C	Z	1.423	1.75
81	MP4C	Mx	.001	1.75
82	MP4C	X	2.465	3.75
83	MP4C	Z	1.423	3.75
84	MP4C	Mx	.001	3.75
85	MP2A	X	4.834	2
86	MP2A	Z	2.791	2
87	MP2A	Mx	-.002	2
88	MP2A	X	4.834	5
89	MP2A	Z	2.791	5
90	MP2A	Mx	-.002	5
91	MP2B	X	7.303	2
92	MP2B	Z	4.216	2
93	MP2B	Mx	0	2
94	MP2B	X	7.303	5
95	MP2B	Z	4.216	5
96	MP2B	Mx	0	5
97	MP2C	X	4.834	2
98	MP2C	Z	2.791	2
99	MP2C	Mx	.002	2
100	MP2C	X	4.834	5
101	MP2C	Z	2.791	5
102	MP2C	Mx	.002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	6.531	1.5
2	MP3A	Z	11.313	1.5
3	MP3A	Mx	.003	1.5
4	MP3A	X	6.531	6.5
5	MP3A	Z	11.313	6.5
6	MP3A	Mx	.003	6.5
7	MP3B	X	6.531	1.5
8	MP3B	Z	11.313	1.5
9	MP3B	Mx	.003	1.5
10	MP3B	X	6.531	6.5
11	MP3B	Z	11.313	6.5
12	MP3B	Mx	.003	6.5
13	MP3C	X	4.722	1.5
14	MP3C	Z	8.178	1.5
15	MP3C	Mx	.005	1.5
16	MP3C	X	4.722	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP3C	Z	8.178	6.5
18	MP3C	Mx	.005	6.5
19	MP3A	X	6.531	1.5
20	MP3A	Z	11.313	1.5
21	MP3A	Mx	-.01	1.5
22	MP3A	X	6.531	6.5
23	MP3A	Z	11.313	6.5
24	MP3A	Mx	-.01	6.5
25	MP3B	X	6.531	1.5
26	MP3B	Z	11.313	1.5
27	MP3B	Mx	-.01	1.5
28	MP3B	X	6.531	6.5
29	MP3B	Z	11.313	6.5
30	MP3B	Mx	-.01	6.5
31	MP3C	X	4.722	1.5
32	MP3C	Z	8.178	1.5
33	MP3C	Mx	.005	1.5
34	MP3C	X	4.722	6.5
35	MP3C	Z	8.178	6.5
36	MP3C	Mx	.005	6.5
37	MP3A	X	.38	4
38	MP3A	Z	.659	4
39	MP3A	Mx	.00019	4
40	MP3B	X	.38	4
41	MP3B	Z	.659	4
42	MP3B	Mx	.00019	4
43	MP3C	X	.285	4
44	MP3C	Z	.494	4
45	MP3C	Mx	-.000285	4
46	OVP PIPE	X	4.254	1
47	OVP PIPE	Z	7.369	1
48	OVP PIPE	Mx	0	1
49	MP3A	X	1.91	3
50	MP3A	Z	3.309	3
51	MP3A	Mx	.000955	3
52	MP3B	X	1.91	3
53	MP3B	Z	3.309	3
54	MP3B	Mx	.000955	3
55	MP3C	X	1.392	3
56	MP3C	Z	2.412	3
57	MP3C	Mx	-.001	3
58	MP2A	X	1.844	3
59	MP2A	Z	3.194	3
60	MP2A	Mx	.000922	3
61	MP2B	X	1.844	3
62	MP2B	Z	3.194	3
63	MP2B	Mx	.000922	3
64	MP2C	X	1.128	3
65	MP2C	Z	1.953	3
66	MP2C	Mx	-.001	3
67	MP4A	X	2.219	1.75
68	MP4A	Z	3.844	1.75
69	MP4A	Mx	-.001	1.75
70	MP4A	X	2.219	3.75
71	MP4A	Z	3.844	3.75
72	MP4A	Mx	-.001	3.75
73	MP4B	X	2.219	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP4B	Z	3.844	1.75
75	MP4B	Mx	-.001	1.75
76	MP4B	X	2.219	3.75
77	MP4B	Z	3.844	3.75
78	MP4B	Mx	-.001	3.75
79	MP4C	X	1.025	1.75
80	MP4C	Z	1.775	1.75
81	MP4C	Mx	.001	1.75
82	MP4C	X	1.025	3.75
83	MP4C	Z	1.775	3.75
84	MP4C	Mx	.001	3.75
85	MP2A	X	3.741	2
86	MP2A	Z	6.48	2
87	MP2A	Mx	-.002	2
88	MP2A	X	3.741	5
89	MP2A	Z	6.48	5
90	MP2A	Mx	-.002	5
91	MP2B	X	3.741	2
92	MP2B	Z	6.48	2
93	MP2B	Mx	-.002	2
94	MP2B	X	3.741	5
95	MP2B	Z	6.48	5
96	MP2B	Mx	-.002	5
97	MP2C	X	2.316	2
98	MP2C	Z	4.011	2
99	MP2C	Mx	.002	2
100	MP2C	X	2.316	5
101	MP2C	Z	4.011	5
102	MP2C	Mx	.002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.5
2	MP3A	Z	14.269	1.5
3	MP3A	Mx	.008	1.5
4	MP3A	X	0	6.5
5	MP3A	Z	14.269	6.5
6	MP3A	Mx	.008	6.5
7	MP3B	X	0	1.5
8	MP3B	Z	10.65	1.5
9	MP3B	Mx	-.002	1.5
10	MP3B	X	0	6.5
11	MP3B	Z	10.65	6.5
12	MP3B	Mx	-.002	6.5
13	MP3C	X	0	1.5
14	MP3C	Z	10.65	1.5
15	MP3C	Mx	.008	1.5
16	MP3C	X	0	6.5
17	MP3C	Z	10.65	6.5
18	MP3C	Mx	.008	6.5
19	MP3A	X	0	1.5
20	MP3A	Z	14.269	1.5
21	MP3A	Mx	-.008	1.5
22	MP3A	X	0	6.5
23	MP3A	Z	14.269	6.5
24	MP3A	Mx	-.008	6.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP3B	X	0	1.5
26	MP3B	Z	10.65	1.5
27	MP3B	Mx	-.008	1.5
28	MP3B	X	0	6.5
29	MP3B	Z	10.65	6.5
30	MP3B	Mx	-.008	6.5
31	MP3C	X	0	1.5
32	MP3C	Z	10.65	1.5
33	MP3C	Mx	.002	1.5
34	MP3C	X	0	6.5
35	MP3C	Z	10.65	6.5
36	MP3C	Mx	.002	6.5
37	MP3A	X	0	4
38	MP3A	Z	.824	4
39	MP3A	Mx	0	4
40	MP3B	X	0	4
41	MP3B	Z	.634	4
42	MP3B	Mx	.000275	4
43	MP3C	X	0	4
44	MP3C	Z	.634	4
45	MP3C	Mx	-.000275	4
46	OVP PIPE	X	0	1
47	OVP PIPE	Z	7.437	1
48	OVP PIPE	Mx	0	1
49	MP3A	X	0	3
50	MP3A	Z	4.166	3
51	MP3A	Mx	0	3
52	MP3B	X	0	3
53	MP3B	Z	3.13	3
54	MP3B	Mx	.001	3
55	MP3C	X	0	3
56	MP3C	Z	3.13	3
57	MP3C	Mx	-.001	3
58	MP2A	X	0	3
59	MP2A	Z	4.166	3
60	MP2A	Mx	0	3
61	MP2B	X	0	3
62	MP2B	Z	2.733	3
63	MP2B	Mx	.001	3
64	MP2C	X	0	3
65	MP2C	Z	2.733	3
66	MP2C	Mx	-.001	3
67	MP4A	X	0	1.75
68	MP4A	Z	5.235	1.75
69	MP4A	Mx	0	1.75
70	MP4A	X	0	3.75
71	MP4A	Z	5.235	3.75
72	MP4A	Mx	0	3.75
73	MP4B	X	0	1.75
74	MP4B	Z	2.846	1.75
75	MP4B	Mx	-.001	1.75
76	MP4B	X	0	3.75
77	MP4B	Z	2.846	3.75
78	MP4B	Mx	-.001	3.75
79	MP4C	X	0	1.75
80	MP4C	Z	2.846	1.75
81	MP4C	Mx	.001	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP4C	X	0	3.75
83	MP4C	Z	2.846	3.75
84	MP4C	Mx	.001	3.75
85	MP2A	X	0	2
86	MP2A	Z	8.432	2
87	MP2A	Mx	0	2
88	MP2A	X	0	5
89	MP2A	Z	8.432	5
90	MP2A	Mx	0	5
91	MP2B	X	0	2
92	MP2B	Z	5.582	2
93	MP2B	Mx	-.002	2
94	MP2B	X	0	5
95	MP2B	Z	5.582	5
96	MP2B	Mx	-.002	5
97	MP2C	X	0	2
98	MP2C	Z	5.582	2
99	MP2C	Mx	.002	2
100	MP2C	X	0	5
101	MP2C	Z	5.582	5
102	MP2C	Mx	.002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-6.531	1.5
2	MP3A	Z	11.313	1.5
3	MP3A	Mx	.01	1.5
4	MP3A	X	-6.531	6.5
5	MP3A	Z	11.313	6.5
6	MP3A	Mx	.01	6.5
7	MP3B	X	-4.722	1.5
8	MP3B	Z	8.178	1.5
9	MP3B	Mx	-.005	1.5
10	MP3B	X	-4.722	6.5
11	MP3B	Z	8.178	6.5
12	MP3B	Mx	-.005	6.5
13	MP3C	X	-6.531	1.5
14	MP3C	Z	11.313	1.5
15	MP3C	Mx	.01	1.5
16	MP3C	X	-6.531	6.5
17	MP3C	Z	11.313	6.5
18	MP3C	Mx	.01	6.5
19	MP3A	X	-6.531	1.5
20	MP3A	Z	11.313	1.5
21	MP3A	Mx	-.003	1.5
22	MP3A	X	-6.531	6.5
23	MP3A	Z	11.313	6.5
24	MP3A	Mx	-.003	6.5
25	MP3B	X	-4.722	1.5
26	MP3B	Z	8.178	1.5
27	MP3B	Mx	-.005	1.5
28	MP3B	X	-4.722	6.5
29	MP3B	Z	8.178	6.5
30	MP3B	Mx	-.005	6.5
31	MP3C	X	-6.531	1.5
32	MP3C	Z	11.313	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP3C	Mx	-.003	1.5
34	MP3C	X	-6.531	6.5
35	MP3C	Z	11.313	6.5
36	MP3C	Mx	-.003	6.5
37	MP3A	X	-.38	4
38	MP3A	Z	.659	4
39	MP3A	Mx	-.00019	4
40	MP3B	X	-.285	4
41	MP3B	Z	.494	4
42	MP3B	Mx	.000285	4
43	MP3C	X	-.38	4
44	MP3C	Z	.659	4
45	MP3C	Mx	-.00019	4
46	OVP PIPE	X	-3.45	1
47	OVP PIPE	Z	5.976	1
48	OVP PIPE	Mx	0	1
49	MP3A	X	-1.91	3
50	MP3A	Z	3.309	3
51	MP3A	Mx	-.000955	3
52	MP3B	X	-1.392	3
53	MP3B	Z	2.412	3
54	MP3B	Mx	.001	3
55	MP3C	X	-1.91	3
56	MP3C	Z	3.309	3
57	MP3C	Mx	-.000955	3
58	MP2A	X	-1.844	3
59	MP2A	Z	3.194	3
60	MP2A	Mx	-.000922	3
61	MP2B	X	-1.128	3
62	MP2B	Z	1.953	3
63	MP2B	Mx	.001	3
64	MP2C	X	-1.844	3
65	MP2C	Z	3.194	3
66	MP2C	Mx	-.000922	3
67	MP4A	X	-2.219	1.75
68	MP4A	Z	3.844	1.75
69	MP4A	Mx	.001	1.75
70	MP4A	X	-2.219	3.75
71	MP4A	Z	3.844	3.75
72	MP4A	Mx	.001	3.75
73	MP4B	X	-1.025	1.75
74	MP4B	Z	1.775	1.75
75	MP4B	Mx	-.001	1.75
76	MP4B	X	-1.025	3.75
77	MP4B	Z	1.775	3.75
78	MP4B	Mx	-.001	3.75
79	MP4C	X	-2.219	1.75
80	MP4C	Z	3.844	1.75
81	MP4C	Mx	.001	1.75
82	MP4C	X	-2.219	3.75
83	MP4C	Z	3.844	3.75
84	MP4C	Mx	.001	3.75
85	MP2A	X	-3.741	2
86	MP2A	Z	6.48	2
87	MP2A	Mx	.002	2
88	MP2A	X	-3.741	5
89	MP2A	Z	6.48	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP2A	Mx	.002	5
91	MP2B	X	-2.316	2
92	MP2B	Z	4.011	2
93	MP2B	Mx	-.002	2
94	MP2B	X	-2.316	5
95	MP2B	Z	4.011	5
96	MP2B	Mx	-.002	5
97	MP2C	X	-3.741	2
98	MP2C	Z	6.48	2
99	MP2C	Mx	.002	2
100	MP2C	X	-3.741	5
101	MP2C	Z	6.48	5
102	MP2C	Mx	.002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-9.223	1.5
2	MP3A	Z	5.325	1.5
3	MP3A	Mx	.008	1.5
4	MP3A	X	-9.223	6.5
5	MP3A	Z	5.325	6.5
6	MP3A	Mx	.008	6.5
7	MP3B	X	-9.223	1.5
8	MP3B	Z	5.325	1.5
9	MP3B	Mx	-.008	1.5
10	MP3B	X	-9.223	6.5
11	MP3B	Z	5.325	6.5
12	MP3B	Mx	-.008	6.5
13	MP3C	X	-12.357	1.5
14	MP3C	Z	7.135	1.5
15	MP3C	Mx	.008	1.5
16	MP3C	X	-12.357	6.5
17	MP3C	Z	7.135	6.5
18	MP3C	Mx	.008	6.5
19	MP3A	X	-9.223	1.5
20	MP3A	Z	5.325	1.5
21	MP3A	Mx	.002	1.5
22	MP3A	X	-9.223	6.5
23	MP3A	Z	5.325	6.5
24	MP3A	Mx	.002	6.5
25	MP3B	X	-9.223	1.5
26	MP3B	Z	5.325	1.5
27	MP3B	Mx	-.002	1.5
28	MP3B	X	-9.223	6.5
29	MP3B	Z	5.325	6.5
30	MP3B	Mx	-.002	6.5
31	MP3C	X	-12.357	1.5
32	MP3C	Z	7.135	1.5
33	MP3C	Mx	-.008	1.5
34	MP3C	X	-12.357	6.5
35	MP3C	Z	7.135	6.5
36	MP3C	Mx	-.008	6.5
37	MP3A	X	-.549	4
38	MP3A	Z	.317	4
39	MP3A	Mx	-.000275	4
40	MP3B	X	-.549	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP3B	Z	.317	4
42	MP3B	Mx	.000275	4
43	MP3C	X	-.714	4
44	MP3C	Z	.412	4
45	MP3C	Mx	0	4
46	OVP PIPE	X	-6.44	1
47	OVP PIPE	Z	3.718	1
48	OVP PIPE	Mx	0	1
49	MP3A	X	-2.711	3
50	MP3A	Z	1.565	3
51	MP3A	Mx	-.001	3
52	MP3B	X	-2.711	3
53	MP3B	Z	1.565	3
54	MP3B	Mx	.001	3
55	MP3C	X	-3.608	3
56	MP3C	Z	2.083	3
57	MP3C	Mx	0	3
58	MP2A	X	-2.367	3
59	MP2A	Z	1.367	3
60	MP2A	Mx	-.001	3
61	MP2B	X	-2.367	3
62	MP2B	Z	1.367	3
63	MP2B	Mx	.001	3
64	MP2C	X	-3.608	3
65	MP2C	Z	2.083	3
66	MP2C	Mx	0	3
67	MP4A	X	-2.465	1.75
68	MP4A	Z	1.423	1.75
69	MP4A	Mx	.001	1.75
70	MP4A	X	-2.465	3.75
71	MP4A	Z	1.423	3.75
72	MP4A	Mx	.001	3.75
73	MP4B	X	-2.465	1.75
74	MP4B	Z	1.423	1.75
75	MP4B	Mx	-.001	1.75
76	MP4B	X	-2.465	3.75
77	MP4B	Z	1.423	3.75
78	MP4B	Mx	-.001	3.75
79	MP4C	X	-4.534	1.75
80	MP4C	Z	2.618	1.75
81	MP4C	Mx	0	1.75
82	MP4C	X	-4.534	3.75
83	MP4C	Z	2.618	3.75
84	MP4C	Mx	0	3.75
85	MP2A	X	-4.834	2
86	MP2A	Z	2.791	2
87	MP2A	Mx	.002	2
88	MP2A	X	-4.834	5
89	MP2A	Z	2.791	5
90	MP2A	Mx	.002	5
91	MP2B	X	-4.834	2
92	MP2B	Z	2.791	2
93	MP2B	Mx	-.002	2
94	MP2B	X	-4.834	5
95	MP2B	Z	2.791	5
96	MP2B	Mx	-.002	5
97	MP2C	X	-7.303	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	MP2C	Z	4.216	2
99	MP2C	Mx	0	2
100	MP2C	X	-7.303	5
101	MP2C	Z	4.216	5
102	MP2C	Mx	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-9.443	1.5
2	MP3A	Z	0	1.5
3	MP3A	Mx	.005	1.5
4	MP3A	X	-9.443	6.5
5	MP3A	Z	0	6.5
6	MP3A	Mx	.005	6.5
7	MP3B	X	-13.063	1.5
8	MP3B	Z	0	1.5
9	MP3B	Mx	-.01	1.5
10	MP3B	X	-13.063	6.5
11	MP3B	Z	0	6.5
12	MP3B	Mx	-.01	6.5
13	MP3C	X	-13.063	1.5
14	MP3C	Z	0	1.5
15	MP3C	Mx	.003	1.5
16	MP3C	X	-13.063	6.5
17	MP3C	Z	0	6.5
18	MP3C	Mx	.003	6.5
19	MP3A	X	-9.443	1.5
20	MP3A	Z	0	1.5
21	MP3A	Mx	.005	1.5
22	MP3A	X	-9.443	6.5
23	MP3A	Z	0	6.5
24	MP3A	Mx	.005	6.5
25	MP3B	X	-13.063	1.5
26	MP3B	Z	0	1.5
27	MP3B	Mx	.003	1.5
28	MP3B	X	-13.063	6.5
29	MP3B	Z	0	6.5
30	MP3B	Mx	.003	6.5
31	MP3C	X	-13.063	1.5
32	MP3C	Z	0	1.5
33	MP3C	Mx	-.01	1.5
34	MP3C	X	-13.063	6.5
35	MP3C	Z	0	6.5
36	MP3C	Mx	-.01	6.5
37	MP3A	X	-.57	4
38	MP3A	Z	0	4
39	MP3A	Mx	-.000285	4
40	MP3B	X	-.761	4
41	MP3B	Z	0	4
42	MP3B	Mx	.00019	4
43	MP3C	X	-.761	4
44	MP3C	Z	0	4
45	MP3C	Mx	.00019	4
46	OVP PIPE	X	-8.509	1
47	OVP PIPE	Z	0	1
48	OVP PIPE	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP3A	X	-2.785	3
50	MP3A	Z	0	3
51	MP3A	Mx	-.001	3
52	MP3B	X	-3.821	3
53	MP3B	Z	0	3
54	MP3B	Mx	.000955	3
55	MP3C	X	-3.821	3
56	MP3C	Z	0	3
57	MP3C	Mx	.000955	3
58	MP2A	X	-2.256	3
59	MP2A	Z	0	3
60	MP2A	Mx	-.001	3
61	MP2B	X	-3.688	3
62	MP2B	Z	0	3
63	MP2B	Mx	.000922	3
64	MP2C	X	-3.688	3
65	MP2C	Z	0	3
66	MP2C	Mx	.000922	3
67	MP4A	X	-2.05	1.75
68	MP4A	Z	0	1.75
69	MP4A	Mx	.001	1.75
70	MP4A	X	-2.05	3.75
71	MP4A	Z	0	3.75
72	MP4A	Mx	.001	3.75
73	MP4B	X	-4.439	1.75
74	MP4B	Z	0	1.75
75	MP4B	Mx	-.001	1.75
76	MP4B	X	-4.439	3.75
77	MP4B	Z	0	3.75
78	MP4B	Mx	-.001	3.75
79	MP4C	X	-4.439	1.75
80	MP4C	Z	0	1.75
81	MP4C	Mx	-.001	1.75
82	MP4C	X	-4.439	3.75
83	MP4C	Z	0	3.75
84	MP4C	Mx	-.001	3.75
85	MP2A	X	-4.632	2
86	MP2A	Z	0	2
87	MP2A	Mx	.002	2
88	MP2A	X	-4.632	5
89	MP2A	Z	0	5
90	MP2A	Mx	.002	5
91	MP2B	X	-7.482	2
92	MP2B	Z	0	2
93	MP2B	Mx	-.002	2
94	MP2B	X	-7.482	5
95	MP2B	Z	0	5
96	MP2B	Mx	-.002	5
97	MP2C	X	-7.482	2
98	MP2C	Z	0	2
99	MP2C	Mx	-.002	2
100	MP2C	X	-7.482	5
101	MP2C	Z	0	5
102	MP2C	Mx	-.002	5

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	MP3A	X	-9.223	1.5
2	MP3A	Z	-5.325	1.5
3	MP3A	Mx	.002	1.5
4	MP3A	X	-9.223	6.5
5	MP3A	Z	-5.325	6.5
6	MP3A	Mx	.002	6.5
7	MP3B	X	-12.357	1.5
8	MP3B	Z	-7.135	1.5
9	MP3B	Mx	-.008	1.5
10	MP3B	X	-12.357	6.5
11	MP3B	Z	-7.135	6.5
12	MP3B	Mx	-.008	6.5
13	MP3C	X	-9.223	1.5
14	MP3C	Z	-5.325	1.5
15	MP3C	Mx	-.002	1.5
16	MP3C	X	-9.223	6.5
17	MP3C	Z	-5.325	6.5
18	MP3C	Mx	-.002	6.5
19	MP3A	X	-9.223	1.5
20	MP3A	Z	-5.325	1.5
21	MP3A	Mx	.008	1.5
22	MP3A	X	-9.223	6.5
23	MP3A	Z	-5.325	6.5
24	MP3A	Mx	.008	6.5
25	MP3B	X	-12.357	1.5
26	MP3B	Z	-7.135	1.5
27	MP3B	Mx	.008	1.5
28	MP3B	X	-12.357	6.5
29	MP3B	Z	-7.135	6.5
30	MP3B	Mx	.008	6.5
31	MP3C	X	-9.223	1.5
32	MP3C	Z	-5.325	1.5
33	MP3C	Mx	-.008	1.5
34	MP3C	X	-9.223	6.5
35	MP3C	Z	-5.325	6.5
36	MP3C	Mx	-.008	6.5
37	MP3A	X	-.549	4
38	MP3A	Z	-.317	4
39	MP3A	Mx	-.000275	4
40	MP3B	X	-.714	4
41	MP3B	Z	-.412	4
42	MP3B	Mx	0	4
43	MP3C	X	-.549	4
44	MP3C	Z	-.317	4
45	MP3C	Mx	.000275	4
46	OVP PIPE	X	-7.833	1
47	OVP PIPE	Z	-4.522	1
48	OVP PIPE	Mx	0	1
49	MP3A	X	-2.711	3
50	MP3A	Z	-1.565	3
51	MP3A	Mx	-.001	3
52	MP3B	X	-3.608	3
53	MP3B	Z	-2.083	3
54	MP3B	Mx	0	3
55	MP3C	X	-2.711	3
56	MP3C	Z	-1.565	3
57	MP3C	Mx	.001	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	-2.367	3
59	MP2A	Z	-1.367	3
60	MP2A	Mx	-.001	3
61	MP2B	X	-3.608	3
62	MP2B	Z	-2.083	3
63	MP2B	Mx	0	3
64	MP2C	X	-2.367	3
65	MP2C	Z	-1.367	3
66	MP2C	Mx	.001	3
67	MP4A	X	-2.465	1.75
68	MP4A	Z	-1.423	1.75
69	MP4A	Mx	.001	1.75
70	MP4A	X	-2.465	3.75
71	MP4A	Z	-1.423	3.75
72	MP4A	Mx	.001	3.75
73	MP4B	X	-4.534	1.75
74	MP4B	Z	-2.618	1.75
75	MP4B	Mx	0	1.75
76	MP4B	X	-4.534	3.75
77	MP4B	Z	-2.618	3.75
78	MP4B	Mx	0	3.75
79	MP4C	X	-2.465	1.75
80	MP4C	Z	-1.423	1.75
81	MP4C	Mx	-.001	1.75
82	MP4C	X	-2.465	3.75
83	MP4C	Z	-1.423	3.75
84	MP4C	Mx	-.001	3.75
85	MP2A	X	-4.834	2
86	MP2A	Z	-2.791	2
87	MP2A	Mx	.002	2
88	MP2A	X	-4.834	5
89	MP2A	Z	-2.791	5
90	MP2A	Mx	.002	5
91	MP2B	X	-7.303	2
92	MP2B	Z	-4.216	2
93	MP2B	Mx	0	2
94	MP2B	X	-7.303	5
95	MP2B	Z	-4.216	5
96	MP2B	Mx	0	5
97	MP2C	X	-4.834	2
98	MP2C	Z	-2.791	2
99	MP2C	Mx	-.002	2
100	MP2C	X	-4.834	5
101	MP2C	Z	-2.791	5
102	MP2C	Mx	-.002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-6.531	1.5
2	MP3A	Z	-11.313	1.5
3	MP3A	Mx	-.003	1.5
4	MP3A	X	-6.531	6.5
5	MP3A	Z	-11.313	6.5
6	MP3A	Mx	-.003	6.5
7	MP3B	X	-6.531	1.5
8	MP3B	Z	-11.313	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP3B	Mx	-.003	1.5
10	MP3B	X	-6.531	6.5
11	MP3B	Z	-11.313	6.5
12	MP3B	Mx	-.003	6.5
13	MP3C	X	-4.722	1.5
14	MP3C	Z	-8.178	1.5
15	MP3C	Mx	-.005	1.5
16	MP3C	X	-4.722	6.5
17	MP3C	Z	-8.178	6.5
18	MP3C	Mx	-.005	6.5
19	MP3A	X	-6.531	1.5
20	MP3A	Z	-11.313	1.5
21	MP3A	Mx	.01	1.5
22	MP3A	X	-6.531	6.5
23	MP3A	Z	-11.313	6.5
24	MP3A	Mx	.01	6.5
25	MP3B	X	-6.531	1.5
26	MP3B	Z	-11.313	1.5
27	MP3B	Mx	.01	1.5
28	MP3B	X	-6.531	6.5
29	MP3B	Z	-11.313	6.5
30	MP3B	Mx	.01	6.5
31	MP3C	X	-4.722	1.5
32	MP3C	Z	-8.178	1.5
33	MP3C	Mx	-.005	1.5
34	MP3C	X	-4.722	6.5
35	MP3C	Z	-8.178	6.5
36	MP3C	Mx	-.005	6.5
37	MP3A	X	-.38	4
38	MP3A	Z	-.659	4
39	MP3A	Mx	-.00019	4
40	MP3B	X	-.38	4
41	MP3B	Z	-.659	4
42	MP3B	Mx	-.00019	4
43	MP3C	X	-.285	4
44	MP3C	Z	-.494	4
45	MP3C	Mx	.000285	4
46	OVP PIPE	X	-4.254	1
47	OVP PIPE	Z	-7.369	1
48	OVP PIPE	Mx	0	1
49	MP3A	X	-1.91	3
50	MP3A	Z	-3.309	3
51	MP3A	Mx	-.000955	3
52	MP3B	X	-1.91	3
53	MP3B	Z	-3.309	3
54	MP3B	Mx	-.000955	3
55	MP3C	X	-1.392	3
56	MP3C	Z	-2.412	3
57	MP3C	Mx	.001	3
58	MP2A	X	-1.844	3
59	MP2A	Z	-3.194	3
60	MP2A	Mx	-.000922	3
61	MP2B	X	-1.844	3
62	MP2B	Z	-3.194	3
63	MP2B	Mx	-.000922	3
64	MP2C	X	-1.128	3
65	MP2C	Z	-1.953	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP2C	Mx	.001	3
67	MP4A	X	-2.219	1.75
68	MP4A	Z	-3.844	1.75
69	MP4A	Mx	.001	1.75
70	MP4A	X	-2.219	3.75
71	MP4A	Z	-3.844	3.75
72	MP4A	Mx	.001	3.75
73	MP4B	X	-2.219	1.75
74	MP4B	Z	-3.844	1.75
75	MP4B	Mx	.001	1.75
76	MP4B	X	-2.219	3.75
77	MP4B	Z	-3.844	3.75
78	MP4B	Mx	.001	3.75
79	MP4C	X	-1.025	1.75
80	MP4C	Z	-1.775	1.75
81	MP4C	Mx	-.001	1.75
82	MP4C	X	-1.025	3.75
83	MP4C	Z	-1.775	3.75
84	MP4C	Mx	-.001	3.75
85	MP2A	X	-3.741	2
86	MP2A	Z	-6.48	2
87	MP2A	Mx	.002	2
88	MP2A	X	-3.741	5
89	MP2A	Z	-6.48	5
90	MP2A	Mx	.002	5
91	MP2B	X	-3.741	2
92	MP2B	Z	-6.48	2
93	MP2B	Mx	.002	2
94	MP2B	X	-3.741	5
95	MP2B	Z	-6.48	5
96	MP2B	Mx	.002	5
97	MP2C	X	-2.316	2
98	MP2C	Z	-4.011	2
99	MP2C	Mx	-.002	2
100	MP2C	X	-2.316	5
101	MP2C	Z	-4.011	5
102	MP2C	Mx	-.002	5

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M172	Y	-500	%31

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M172	Y	-500	%67

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M172	Y	-250	%100

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M172	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	M100	Y	-9.923	-9.923	0	%100
2	M101	Y	-9.923	-9.923	0	%100
3	M102	Y	-9.923	-9.923	0	%100
4	M103	Y	-10.451	-10.451	0	%100
5	M106	Y	-5.822	-5.822	0	%100
6	M107	Y	-5.822	-5.822	0	%100
7	M111	Y	-10.438	-10.438	0	%100
8	M112	Y	-10.438	-10.438	0	%100
9	M114	Y	-10.451	-10.451	0	%100
10	M116	Y	-10.438	-10.438	0	%100
11	M117	Y	-10.438	-10.438	0	%100
12	M119	Y	-10.451	-10.451	0	%100
13	M124	Y	-9.923	-9.923	0	%100
14	M125	Y	-9.923	-9.923	0	%100
15	M126	Y	-9.923	-9.923	0	%100
16	M127	Y	-10.451	-10.451	0	%100
17	M130	Y	-5.822	-5.822	0	%100
18	M131	Y	-5.822	-5.822	0	%100
19	M135	Y	-10.438	-10.438	0	%100
20	M136	Y	-10.438	-10.438	0	%100
21	M138	Y	-10.451	-10.451	0	%100
22	M140	Y	-10.438	-10.438	0	%100
23	M141	Y	-10.438	-10.438	0	%100
24	M143	Y	-10.451	-10.451	0	%100
25	M148	Y	-9.923	-9.923	0	%100
26	M149	Y	-9.923	-9.923	0	%100
27	M150	Y	-9.923	-9.923	0	%100
28	M151	Y	-10.451	-10.451	0	%100
29	M154	Y	-5.822	-5.822	0	%100
30	M155	Y	-5.822	-5.822	0	%100
31	M159	Y	-10.438	-10.438	0	%100
32	M160	Y	-10.438	-10.438	0	%100
33	M162	Y	-10.451	-10.451	0	%100
34	M164	Y	-10.438	-10.438	0	%100
35	M165	Y	-10.438	-10.438	0	%100
36	M167	Y	-10.451	-10.451	0	%100
37	M172	Y	-6.796	-6.796	0	%100
38	MP1A	Y	-5.165	-5.165	0	%100
39	MP3A	Y	-5.89	-5.89	0	%100
40	MP2A	Y	-5.165	-5.165	0	%100
41	MP4A	Y	-5.165	-5.165	0	%100
42	M82	Y	-6.796	-6.796	0	%100
43	M91	Y	-6.796	-6.796	0	%100
44	OVP PIPE	Y	-5.165	-5.165	0	%100
45	M102A	Y	-5.89	-5.89	0	%100
46	M107A	Y	-5.89	-5.89	0	%100
47	M112A	Y	-5.89	-5.89	0	%100
48	M123A	Y	-7.873	-7.873	0	%100
49	M124A	Y	-7.873	-7.873	0	%100
50	M125A	Y	-7.873	-7.873	0	%100
51	MP1C	Y	-5.165	-5.165	0	%100
52	MP3C	Y	-5.89	-5.89	0	%100
53	MP2C	Y	-5.165	-5.165	0	%100
54	MP4C	Y	-5.165	-5.165	0	%100
55	MP1B	Y	-5.165	-5.165	0	%100
56	MP3B	Y	-5.89	-5.89	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,%]
57	MP2B	Y	-5.165	-5.165	0	%100
58	MP4B	Y	-5.165	-5.165	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M100	X	0	0	0	%100
2	M100	Z	0	0	0	%100
3	M101	X	0	0	0	%100
4	M101	Z	-9.847	-9.847	0	%100
5	M102	X	0	0	0	%100
6	M102	Z	-9.847	-9.847	0	%100
7	M103	X	0	0	0	%100
8	M103	Z	-19.642	-19.642	0	%100
9	M106	X	0	0	0	%100
10	M106	Z	-2.727	-2.727	0	%100
11	M107	X	0	0	0	%100
12	M107	Z	-2.727	-2.727	0	%100
13	M111	X	0	0	0	%100
14	M111	Z	0	0	0	%100
15	M112	X	0	0	0	%100
16	M112	Z	-5.001	-5.001	0	%100
17	M114	X	0	0	0	%100
18	M114	Z	-5.268	-5.268	0	%100
19	M116	X	0	0	0	%100
20	M116	Z	0	0	0	%100
21	M117	X	0	0	0	%100
22	M117	Z	-5.001	-5.001	0	%100
23	M119	X	0	0	0	%100
24	M119	Z	-5.268	-5.268	0	%100
25	M124	X	0	0	0	%100
26	M124	Z	-8.728	-8.728	0	%100
27	M125	X	0	0	0	%100
28	M125	Z	-2.462	-2.462	0	%100
29	M126	X	0	0	0	%100
30	M126	Z	-2.462	-2.462	0	%100
31	M127	X	0	0	0	%100
32	M127	Z	-4.91	-4.91	0	%100
33	M130	X	0	0	0	%100
34	M130	Z	-2.727	-2.727	0	%100
35	M131	X	0	0	0	%100
36	M131	Z	-10.907	-10.907	0	%100
37	M135	X	0	0	0	%100
38	M135	Z	-14.731	-14.731	0	%100
39	M136	X	0	0	0	%100
40	M136	Z	-5.001	-5.001	0	%100
41	M138	X	0	0	0	%100
42	M138	Z	-5.268	-5.268	0	%100
43	M140	X	0	0	0	%100
44	M140	Z	-14.731	-14.731	0	%100
45	M141	X	0	0	0	%100
46	M141	Z	-20.006	-20.006	0	%100
47	M143	X	0	0	0	%100
48	M143	Z	-21.071	-21.071	0	%100
49	M148	X	0	0	0	%100
50	M148	Z	-8.728	-8.728	0	%100
51	M149	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,%]
52	M149	Z	-2.462	-2.462	0	%100
53	M150	X	0	0	0	%100
54	M150	Z	-2.462	-2.462	0	%100
55	M151	X	0	0	0	%100
56	M151	Z	-4.91	-4.91	0	%100
57	M154	X	0	0	0	%100
58	M154	Z	-10.907	-10.907	0	%100
59	M155	X	0	0	0	%100
60	M155	Z	-2.727	-2.727	0	%100
61	M159	X	0	0	0	%100
62	M159	Z	-14.731	-14.731	0	%100
63	M160	X	0	0	0	%100
64	M160	Z	-20.006	-20.006	0	%100
65	M162	X	0	0	0	%100
66	M162	Z	-21.071	-21.071	0	%100
67	M164	X	0	0	0	%100
68	M164	Z	-14.731	-14.731	0	%100
69	M165	X	0	0	0	%100
70	M165	Z	-5.001	-5.001	0	%100
71	M167	X	0	0	0	%100
72	M167	Z	-5.268	-5.268	0	%100
73	M172	X	0	0	0	%100
74	M172	Z	-11.458	-11.458	0	%100
75	MP1A	X	0	0	0	%100
76	MP1A	Z	-7.775	-7.775	0	%100
77	MP3A	X	0	0	0	%100
78	MP3A	Z	-9.412	-9.412	0	%100
79	MP2A	X	0	0	0	%100
80	MP2A	Z	-7.775	-7.775	0	%100
81	MP4A	X	0	0	0	%100
82	MP4A	Z	-7.775	-7.775	0	%100
83	M82	X	0	0	0	%100
84	M82	Z	-2.864	-2.864	0	%100
85	M91	X	0	0	0	%100
86	M91	Z	-2.864	-2.864	0	%100
87	OVP PIPE	X	0	0	0	%100
88	OVP PIPE	Z	-6.358	-6.358	0	%100
89	M102A	X	0	0	0	%100
90	M102A	Z	-9.412	-9.412	0	%100
91	M107A	X	0	0	0	%100
92	M107A	Z	-2.353	-2.353	0	%100
93	M112A	X	0	0	0	%100
94	M112A	Z	-2.353	-2.353	0	%100
95	M123A	X	0	0	0	%100
96	M123A	Z	-3.107	-3.107	0	%100
97	M124A	X	0	0	0	%100
98	M124A	Z	-3.107	-3.107	0	%100
99	M125A	X	0	0	0	%100
100	M125A	Z	-12.427	-12.427	0	%100
101	MP1C	X	0	0	0	%100
102	MP1C	Z	-7.775	-7.775	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	-9.412	-9.412	0	%100
105	MP2C	X	0	0	0	%100
106	MP2C	Z	-7.775	-7.775	0	%100
107	MP4C	X	0	0	0	%100
108	MP4C	Z	-7.775	-7.775	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,%]
109	MP1B	X	0	0	0	%100
110	MP1B	Z	-7.775	-7.775	0	%100
111	MP3B	X	0	0	0	%100
112	MP3B	Z	-9.412	-9.412	0	%100
113	MP2B	X	0	0	0	%100
114	MP2B	Z	-7.775	-7.775	0	%100
115	MP4B	X	0	0	0	%100
116	MP4B	Z	-7.775	-7.775	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	M100	X	1.455	1.455	0	%100
2	M100	Z	-2.52	-2.52	0	%100
3	M101	X	3.693	3.693	0	%100
4	M101	Z	-6.396	-6.396	0	%100
5	M102	X	3.693	3.693	0	%100
6	M102	Z	-6.396	-6.396	0	%100
7	M103	X	7.366	7.366	0	%100
8	M103	Z	-12.758	-12.758	0	%100
9	M106	X	4.09	4.09	0	%100
10	M106	Z	-7.084	-7.084	0	%100
11	M107	X	0	0	0	%100
12	M107	Z	0	0	0	%100
13	M111	X	2.455	2.455	0	%100
14	M111	Z	-4.253	-4.253	0	%100
15	M112	X	7.502	7.502	0	%100
16	M112	Z	-12.994	-12.994	0	%100
17	M114	X	7.902	7.902	0	%100
18	M114	Z	-13.686	-13.686	0	%100
19	M116	X	2.455	2.455	0	%100
20	M116	Z	-4.253	-4.253	0	%100
21	M117	X	0	0	0	%100
22	M117	Z	0	0	0	%100
23	M119	X	0	0	0	%100
24	M119	Z	0	0	0	%100
25	M124	X	1.455	1.455	0	%100
26	M124	Z	-2.52	-2.52	0	%100
27	M125	X	3.693	3.693	0	%100
28	M125	Z	-6.396	-6.396	0	%100
29	M126	X	3.693	3.693	0	%100
30	M126	Z	-6.396	-6.396	0	%100
31	M127	X	7.366	7.366	0	%100
32	M127	Z	-12.758	-12.758	0	%100
33	M130	X	0	0	0	%100
34	M130	Z	0	0	0	%100
35	M131	X	4.09	4.09	0	%100
36	M131	Z	-7.084	-7.084	0	%100
37	M135	X	2.455	2.455	0	%100
38	M135	Z	-4.253	-4.253	0	%100
39	M136	X	0	0	0	%100
40	M136	Z	0	0	0	%100
41	M138	X	0	0	0	%100
42	M138	Z	0	0	0	%100
43	M140	X	2.455	2.455	0	%100
44	M140	Z	-4.253	-4.253	0	%100
45	M141	X	7.502	7.502	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,%]
46	M141	Z	-12.994	-12.994	0	%100
47	M143	X	7.902	7.902	0	%100
48	M143	Z	-13.686	-13.686	0	%100
49	M148	X	5.819	5.819	0	%100
50	M148	Z	-10.079	-10.079	0	%100
51	M149	X	0	0	0	%100
52	M149	Z	0	0	0	%100
53	M150	X	0	0	0	%100
54	M150	Z	0	0	0	%100
55	M151	X	0	0	0	%100
56	M151	Z	0	0	0	%100
57	M154	X	4.09	4.09	0	%100
58	M154	Z	-7.084	-7.084	0	%100
59	M155	X	4.09	4.09	0	%100
60	M155	Z	-7.084	-7.084	0	%100
61	M159	X	9.821	9.821	0	%100
62	M159	Z	-17.01	-17.01	0	%100
63	M160	X	7.502	7.502	0	%100
64	M160	Z	-12.994	-12.994	0	%100
65	M162	X	7.902	7.902	0	%100
66	M162	Z	-13.686	-13.686	0	%100
67	M164	X	9.821	9.821	0	%100
68	M164	Z	-17.01	-17.01	0	%100
69	M165	X	7.502	7.502	0	%100
70	M165	Z	-12.994	-12.994	0	%100
71	M167	X	7.902	7.902	0	%100
72	M167	Z	-13.686	-13.686	0	%100
73	M172	X	4.297	4.297	0	%100
74	M172	Z	-7.442	-7.442	0	%100
75	MP1A	X	3.887	3.887	0	%100
76	MP1A	Z	-6.733	-6.733	0	%100
77	MP3A	X	4.706	4.706	0	%100
78	MP3A	Z	-8.151	-8.151	0	%100
79	MP2A	X	3.887	3.887	0	%100
80	MP2A	Z	-6.733	-6.733	0	%100
81	MP4A	X	3.887	3.887	0	%100
82	MP4A	Z	-6.733	-6.733	0	%100
83	M82	X	4.297	4.297	0	%100
84	M82	Z	-7.442	-7.442	0	%100
85	M91	X	0	0	0	%100
86	M91	Z	0	0	0	%100
87	OVP PIPE	X	3.179	3.179	0	%100
88	OVP PIPE	Z	-5.506	-5.506	0	%100
89	M102A	X	3.529	3.529	0	%100
90	M102A	Z	-6.113	-6.113	0	%100
91	M107A	X	3.529	3.529	0	%100
92	M107A	Z	-6.113	-6.113	0	%100
93	M112A	X	0	0	0	%100
94	M112A	Z	0	0	0	%100
95	M123A	X	4.66	4.66	0	%100
96	M123A	Z	-8.072	-8.072	0	%100
97	M124A	X	0	0	0	%100
98	M124A	Z	0	0	0	%100
99	M125A	X	4.66	4.66	0	%100
100	M125A	Z	-8.072	-8.072	0	%100
101	MP1C	X	3.887	3.887	0	%100
102	MP1C	Z	-6.733	-6.733	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,%]
103	MP3C	X	4.706	4.706	0	%100
104	MP3C	Z	-8.151	-8.151	0	%100
105	MP2C	X	3.887	3.887	0	%100
106	MP2C	Z	-6.733	-6.733	0	%100
107	MP4C	X	3.887	3.887	0	%100
108	MP4C	Z	-6.733	-6.733	0	%100
109	MP1B	X	3.887	3.887	0	%100
110	MP1B	Z	-6.733	-6.733	0	%100
111	MP3B	X	4.706	4.706	0	%100
112	MP3B	Z	-8.151	-8.151	0	%100
113	MP2B	X	3.887	3.887	0	%100
114	MP2B	Z	-6.733	-6.733	0	%100
115	MP4B	X	3.887	3.887	0	%100
116	MP4B	Z	-6.733	-6.733	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	M100	X	7.559	7.559	0	%100
2	M100	Z	-4.364	-4.364	0	%100
3	M101	X	2.132	2.132	0	%100
4	M101	Z	-1.231	-1.231	0	%100
5	M102	X	2.132	2.132	0	%100
6	M102	Z	-1.231	-1.231	0	%100
7	M103	X	4.253	4.253	0	%100
8	M103	Z	-2.455	-2.455	0	%100
9	M106	X	9.445	9.445	0	%100
10	M106	Z	-5.453	-5.453	0	%100
11	M107	X	2.361	2.361	0	%100
12	M107	Z	-1.363	-1.363	0	%100
13	M111	X	12.758	12.758	0	%100
14	M111	Z	-7.366	-7.366	0	%100
15	M112	X	17.325	17.325	0	%100
16	M112	Z	-10.003	-10.003	0	%100
17	M114	X	18.248	18.248	0	%100
18	M114	Z	-10.536	-10.536	0	%100
19	M116	X	12.758	12.758	0	%100
20	M116	Z	-7.366	-7.366	0	%100
21	M117	X	4.331	4.331	0	%100
22	M117	Z	-2.501	-2.501	0	%100
23	M119	X	4.562	4.562	0	%100
24	M119	Z	-2.634	-2.634	0	%100
25	M124	X	0	0	0	%100
26	M124	Z	0	0	0	%100
27	M125	X	8.528	8.528	0	%100
28	M125	Z	-4.924	-4.924	0	%100
29	M126	X	8.528	8.528	0	%100
30	M126	Z	-4.924	-4.924	0	%100
31	M127	X	17.01	17.01	0	%100
32	M127	Z	-9.821	-9.821	0	%100
33	M130	X	2.361	2.361	0	%100
34	M130	Z	-1.363	-1.363	0	%100
35	M131	X	2.361	2.361	0	%100
36	M131	Z	-1.363	-1.363	0	%100
37	M135	X	0	0	0	%100
38	M135	Z	0	0	0	%100
39	M136	X	4.331	4.331	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,%]
40	M136	Z	-2.501	-2.501	0	%100
41	M138	X	4.562	4.562	0	%100
42	M138	Z	-2.634	-2.634	0	%100
43	M140	X	0	0	0	%100
44	M140	Z	0	0	0	%100
45	M141	X	4.331	4.331	0	%100
46	M141	Z	-2.501	-2.501	0	%100
47	M143	X	4.562	4.562	0	%100
48	M143	Z	-2.634	-2.634	0	%100
49	M148	X	7.559	7.559	0	%100
50	M148	Z	-4.364	-4.364	0	%100
51	M149	X	2.132	2.132	0	%100
52	M149	Z	-1.231	-1.231	0	%100
53	M150	X	2.132	2.132	0	%100
54	M150	Z	-1.231	-1.231	0	%100
55	M151	X	4.253	4.253	0	%100
56	M151	Z	-2.455	-2.455	0	%100
57	M154	X	2.361	2.361	0	%100
58	M154	Z	-1.363	-1.363	0	%100
59	M155	X	9.445	9.445	0	%100
60	M155	Z	-5.453	-5.453	0	%100
61	M159	X	12.758	12.758	0	%100
62	M159	Z	-7.366	-7.366	0	%100
63	M160	X	4.331	4.331	0	%100
64	M160	Z	-2.501	-2.501	0	%100
65	M162	X	4.562	4.562	0	%100
66	M162	Z	-2.634	-2.634	0	%100
67	M164	X	12.758	12.758	0	%100
68	M164	Z	-7.366	-7.366	0	%100
69	M165	X	17.325	17.325	0	%100
70	M165	Z	-10.003	-10.003	0	%100
71	M167	X	18.248	18.248	0	%100
72	M167	Z	-10.536	-10.536	0	%100
73	M172	X	2.481	2.481	0	%100
74	M172	Z	-1.432	-1.432	0	%100
75	MP1A	X	6.733	6.733	0	%100
76	MP1A	Z	-3.887	-3.887	0	%100
77	MP3A	X	8.151	8.151	0	%100
78	MP3A	Z	-4.706	-4.706	0	%100
79	MP2A	X	6.733	6.733	0	%100
80	MP2A	Z	-3.887	-3.887	0	%100
81	MP4A	X	6.733	6.733	0	%100
82	MP4A	Z	-3.887	-3.887	0	%100
83	M82	X	9.923	9.923	0	%100
84	M82	Z	-5.729	-5.729	0	%100
85	M91	X	2.481	2.481	0	%100
86	M91	Z	-1.432	-1.432	0	%100
87	OVP PIPE	X	5.506	5.506	0	%100
88	OVP PIPE	Z	-3.179	-3.179	0	%100
89	M102A	X	2.038	2.038	0	%100
90	M102A	Z	-1.176	-1.176	0	%100
91	M107A	X	8.151	8.151	0	%100
92	M107A	Z	-4.706	-4.706	0	%100
93	M112A	X	2.038	2.038	0	%100
94	M112A	Z	-1.176	-1.176	0	%100
95	M123A	X	10.762	10.762	0	%100
96	M123A	Z	-6.214	-6.214	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,%]
97	M124A	X	2.691	2.691	0	%100
98	M124A	Z	-1.553	-1.553	0	%100
99	M125A	X	2.691	2.691	0	%100
100	M125A	Z	-1.553	-1.553	0	%100
101	MP1C	X	6.733	6.733	0	%100
102	MP1C	Z	-3.887	-3.887	0	%100
103	MP3C	X	8.151	8.151	0	%100
104	MP3C	Z	-4.706	-4.706	0	%100
105	MP2C	X	6.733	6.733	0	%100
106	MP2C	Z	-3.887	-3.887	0	%100
107	MP4C	X	6.733	6.733	0	%100
108	MP4C	Z	-3.887	-3.887	0	%100
109	MP1B	X	6.733	6.733	0	%100
110	MP1B	Z	-3.887	-3.887	0	%100
111	MP3B	X	8.151	8.151	0	%100
112	MP3B	Z	-4.706	-4.706	0	%100
113	MP2B	X	6.733	6.733	0	%100
114	MP2B	Z	-3.887	-3.887	0	%100
115	MP4B	X	6.733	6.733	0	%100
116	MP4B	Z	-3.887	-3.887	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	M100	X	11.638	11.638	0	%100
2	M100	Z	0	0	0	%100
3	M101	X	0	0	0	%100
4	M101	Z	0	0	0	%100
5	M102	X	0	0	0	%100
6	M102	Z	0	0	0	%100
7	M103	X	0	0	0	%100
8	M103	Z	0	0	0	%100
9	M106	X	8.18	8.18	0	%100
10	M106	Z	0	0	0	%100
11	M107	X	8.18	8.18	0	%100
12	M107	Z	0	0	0	%100
13	M111	X	19.642	19.642	0	%100
14	M111	Z	0	0	0	%100
15	M112	X	15.004	15.004	0	%100
16	M112	Z	0	0	0	%100
17	M114	X	15.804	15.804	0	%100
18	M114	Z	0	0	0	%100
19	M116	X	19.642	19.642	0	%100
20	M116	Z	0	0	0	%100
21	M117	X	15.004	15.004	0	%100
22	M117	Z	0	0	0	%100
23	M119	X	15.804	15.804	0	%100
24	M119	Z	0	0	0	%100
25	M124	X	2.909	2.909	0	%100
26	M124	Z	0	0	0	%100
27	M125	X	7.386	7.386	0	%100
28	M125	Z	0	0	0	%100
29	M126	X	7.386	7.386	0	%100
30	M126	Z	0	0	0	%100
31	M127	X	14.731	14.731	0	%100
32	M127	Z	0	0	0	%100
33	M130	X	8.18	8.18	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,%]
34	M130	Z	0	0	0	%100
35	M131	X	0	0	0	%100
36	M131	Z	0	0	0	%100
37	M135	X	4.91	4.91	0	%100
38	M135	Z	0	0	0	%100
39	M136	X	15.004	15.004	0	%100
40	M136	Z	0	0	0	%100
41	M138	X	15.804	15.804	0	%100
42	M138	Z	0	0	0	%100
43	M140	X	4.91	4.91	0	%100
44	M140	Z	0	0	0	%100
45	M141	X	0	0	0	%100
46	M141	Z	0	0	0	%100
47	M143	X	0	0	0	%100
48	M143	Z	0	0	0	%100
49	M148	X	2.909	2.909	0	%100
50	M148	Z	0	0	0	%100
51	M149	X	7.386	7.386	0	%100
52	M149	Z	0	0	0	%100
53	M150	X	7.386	7.386	0	%100
54	M150	Z	0	0	0	%100
55	M151	X	14.731	14.731	0	%100
56	M151	Z	0	0	0	%100
57	M154	X	0	0	0	%100
58	M154	Z	0	0	0	%100
59	M155	X	8.18	8.18	0	%100
60	M155	Z	0	0	0	%100
61	M159	X	4.91	4.91	0	%100
62	M159	Z	0	0	0	%100
63	M160	X	0	0	0	%100
64	M160	Z	0	0	0	%100
65	M162	X	0	0	0	%100
66	M162	Z	0	0	0	%100
67	M164	X	4.91	4.91	0	%100
68	M164	Z	0	0	0	%100
69	M165	X	15.004	15.004	0	%100
70	M165	Z	0	0	0	%100
71	M167	X	15.804	15.804	0	%100
72	M167	Z	0	0	0	%100
73	M172	X	0	0	0	%100
74	M172	Z	0	0	0	%100
75	MP1A	X	7.775	7.775	0	%100
76	MP1A	Z	0	0	0	%100
77	MP3A	X	9.412	9.412	0	%100
78	MP3A	Z	0	0	0	%100
79	MP2A	X	7.775	7.775	0	%100
80	MP2A	Z	0	0	0	%100
81	MP4A	X	7.775	7.775	0	%100
82	MP4A	Z	0	0	0	%100
83	M82	X	8.593	8.593	0	%100
84	M82	Z	0	0	0	%100
85	M91	X	8.593	8.593	0	%100
86	M91	Z	0	0	0	%100
87	OVP PIPE	X	6.358	6.358	0	%100
88	OVP PIPE	Z	0	0	0	%100
89	M102A	X	0	0	0	%100
90	M102A	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,%]
91	M107A	X	7.059	7.059	0	%100
92	M107A	Z	0	0	0	%100
93	M112A	X	7.059	7.059	0	%100
94	M112A	Z	0	0	0	%100
95	M123A	X	9.321	9.321	0	%100
96	M123A	Z	0	0	0	%100
97	M124A	X	9.321	9.321	0	%100
98	M124A	Z	0	0	0	%100
99	M125A	X	0	0	0	%100
100	M125A	Z	0	0	0	%100
101	MP1C	X	7.775	7.775	0	%100
102	MP1C	Z	0	0	0	%100
103	MP3C	X	9.412	9.412	0	%100
104	MP3C	Z	0	0	0	%100
105	MP2C	X	7.775	7.775	0	%100
106	MP2C	Z	0	0	0	%100
107	MP4C	X	7.775	7.775	0	%100
108	MP4C	Z	0	0	0	%100
109	MP1B	X	7.775	7.775	0	%100
110	MP1B	Z	0	0	0	%100
111	MP3B	X	9.412	9.412	0	%100
112	MP3B	Z	0	0	0	%100
113	MP2B	X	7.775	7.775	0	%100
114	MP2B	Z	0	0	0	%100
115	MP4B	X	7.775	7.775	0	%100
116	MP4B	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	M100	X	7.559	7.559	0	%100
2	M100	Z	4.364	4.364	0	%100
3	M101	X	2.132	2.132	0	%100
4	M101	Z	1.231	1.231	0	%100
5	M102	X	2.132	2.132	0	%100
6	M102	Z	1.231	1.231	0	%100
7	M103	X	4.253	4.253	0	%100
8	M103	Z	2.455	2.455	0	%100
9	M106	X	2.361	2.361	0	%100
10	M106	Z	1.363	1.363	0	%100
11	M107	X	9.445	9.445	0	%100
12	M107	Z	5.453	5.453	0	%100
13	M111	X	12.758	12.758	0	%100
14	M111	Z	7.366	7.366	0	%100
15	M112	X	4.331	4.331	0	%100
16	M112	Z	2.501	2.501	0	%100
17	M114	X	4.562	4.562	0	%100
18	M114	Z	2.634	2.634	0	%100
19	M116	X	12.758	12.758	0	%100
20	M116	Z	7.366	7.366	0	%100
21	M117	X	17.325	17.325	0	%100
22	M117	Z	10.003	10.003	0	%100
23	M119	X	18.248	18.248	0	%100
24	M119	Z	10.536	10.536	0	%100
25	M124	X	7.559	7.559	0	%100
26	M124	Z	4.364	4.364	0	%100
27	M125	X	2.132	2.132	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,%]
28	M125	Z	1.231	1.231	0	%100
29	M126	X	2.132	2.132	0	%100
30	M126	Z	1.231	1.231	0	%100
31	M127	X	4.253	4.253	0	%100
32	M127	Z	2.455	2.455	0	%100
33	M130	X	9.445	9.445	0	%100
34	M130	Z	5.453	5.453	0	%100
35	M131	X	2.361	2.361	0	%100
36	M131	Z	1.363	1.363	0	%100
37	M135	X	12.758	12.758	0	%100
38	M135	Z	7.366	7.366	0	%100
39	M136	X	17.325	17.325	0	%100
40	M136	Z	10.003	10.003	0	%100
41	M138	X	18.248	18.248	0	%100
42	M138	Z	10.536	10.536	0	%100
43	M140	X	12.758	12.758	0	%100
44	M140	Z	7.366	7.366	0	%100
45	M141	X	4.331	4.331	0	%100
46	M141	Z	2.501	2.501	0	%100
47	M143	X	4.562	4.562	0	%100
48	M143	Z	2.634	2.634	0	%100
49	M148	X	0	0	0	%100
50	M148	Z	0	0	0	%100
51	M149	X	8.528	8.528	0	%100
52	M149	Z	4.924	4.924	0	%100
53	M150	X	8.528	8.528	0	%100
54	M150	Z	4.924	4.924	0	%100
55	M151	X	17.01	17.01	0	%100
56	M151	Z	9.821	9.821	0	%100
57	M154	X	2.361	2.361	0	%100
58	M154	Z	1.363	1.363	0	%100
59	M155	X	2.361	2.361	0	%100
60	M155	Z	1.363	1.363	0	%100
61	M159	X	0	0	0	%100
62	M159	Z	0	0	0	%100
63	M160	X	4.331	4.331	0	%100
64	M160	Z	2.501	2.501	0	%100
65	M162	X	4.562	4.562	0	%100
66	M162	Z	2.634	2.634	0	%100
67	M164	X	0	0	0	%100
68	M164	Z	0	0	0	%100
69	M165	X	4.331	4.331	0	%100
70	M165	Z	2.501	2.501	0	%100
71	M167	X	4.562	4.562	0	%100
72	M167	Z	2.634	2.634	0	%100
73	M172	X	2.481	2.481	0	%100
74	M172	Z	1.432	1.432	0	%100
75	MP1A	X	6.733	6.733	0	%100
76	MP1A	Z	3.887	3.887	0	%100
77	MP3A	X	8.151	8.151	0	%100
78	MP3A	Z	4.706	4.706	0	%100
79	MP2A	X	6.733	6.733	0	%100
80	MP2A	Z	3.887	3.887	0	%100
81	MP4A	X	6.733	6.733	0	%100
82	MP4A	Z	3.887	3.887	0	%100
83	M82	X	2.481	2.481	0	%100
84	M82	Z	1.432	1.432	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,%]
85	M91	X	9.923	9.923	0	%100
86	M91	Z	5.729	5.729	0	%100
87	OVP PIPE	X	5.506	5.506	0	%100
88	OVP PIPE	Z	3.179	3.179	0	%100
89	M102A	X	2.038	2.038	0	%100
90	M102A	Z	1.176	1.176	0	%100
91	M107A	X	2.038	2.038	0	%100
92	M107A	Z	1.176	1.176	0	%100
93	M112A	X	8.151	8.151	0	%100
94	M112A	Z	4.706	4.706	0	%100
95	M123A	X	2.691	2.691	0	%100
96	M123A	Z	1.553	1.553	0	%100
97	M124A	X	10.762	10.762	0	%100
98	M124A	Z	6.214	6.214	0	%100
99	M125A	X	2.691	2.691	0	%100
100	M125A	Z	1.553	1.553	0	%100
101	MP1C	X	6.733	6.733	0	%100
102	MP1C	Z	3.887	3.887	0	%100
103	MP3C	X	8.151	8.151	0	%100
104	MP3C	Z	4.706	4.706	0	%100
105	MP2C	X	6.733	6.733	0	%100
106	MP2C	Z	3.887	3.887	0	%100
107	MP4C	X	6.733	6.733	0	%100
108	MP4C	Z	3.887	3.887	0	%100
109	MP1B	X	6.733	6.733	0	%100
110	MP1B	Z	3.887	3.887	0	%100
111	MP3B	X	8.151	8.151	0	%100
112	MP3B	Z	4.706	4.706	0	%100
113	MP2B	X	6.733	6.733	0	%100
114	MP2B	Z	3.887	3.887	0	%100
115	MP4B	X	6.733	6.733	0	%100
116	MP4B	Z	3.887	3.887	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	M100	X	1.455	1.455	0	%100
2	M100	Z	2.52	2.52	0	%100
3	M101	X	3.693	3.693	0	%100
4	M101	Z	6.396	6.396	0	%100
5	M102	X	3.693	3.693	0	%100
6	M102	Z	6.396	6.396	0	%100
7	M103	X	7.366	7.366	0	%100
8	M103	Z	12.758	12.758	0	%100
9	M106	X	0	0	0	%100
10	M106	Z	0	0	0	%100
11	M107	X	4.09	4.09	0	%100
12	M107	Z	7.084	7.084	0	%100
13	M111	X	2.455	2.455	0	%100
14	M111	Z	4.253	4.253	0	%100
15	M112	X	0	0	0	%100
16	M112	Z	0	0	0	%100
17	M114	X	0	0	0	%100
18	M114	Z	0	0	0	%100
19	M116	X	2.455	2.455	0	%100
20	M116	Z	4.253	4.253	0	%100
21	M117	X	7.502	7.502	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,%]
22	M117	Z	12.994	12.994	0	%100
23	M119	X	7.902	7.902	0	%100
24	M119	Z	13.686	13.686	0	%100
25	M124	X	5.819	5.819	0	%100
26	M124	Z	10.079	10.079	0	%100
27	M125	X	0	0	0	%100
28	M125	Z	0	0	0	%100
29	M126	X	0	0	0	%100
30	M126	Z	0	0	0	%100
31	M127	X	0	0	0	%100
32	M127	Z	0	0	0	%100
33	M130	X	4.09	4.09	0	%100
34	M130	Z	7.084	7.084	0	%100
35	M131	X	4.09	4.09	0	%100
36	M131	Z	7.084	7.084	0	%100
37	M135	X	9.821	9.821	0	%100
38	M135	Z	17.01	17.01	0	%100
39	M136	X	7.502	7.502	0	%100
40	M136	Z	12.994	12.994	0	%100
41	M138	X	7.902	7.902	0	%100
42	M138	Z	13.686	13.686	0	%100
43	M140	X	9.821	9.821	0	%100
44	M140	Z	17.01	17.01	0	%100
45	M141	X	7.502	7.502	0	%100
46	M141	Z	12.994	12.994	0	%100
47	M143	X	7.902	7.902	0	%100
48	M143	Z	13.686	13.686	0	%100
49	M148	X	1.455	1.455	0	%100
50	M148	Z	2.52	2.52	0	%100
51	M149	X	3.693	3.693	0	%100
52	M149	Z	6.396	6.396	0	%100
53	M150	X	3.693	3.693	0	%100
54	M150	Z	6.396	6.396	0	%100
55	M151	X	7.366	7.366	0	%100
56	M151	Z	12.758	12.758	0	%100
57	M154	X	4.09	4.09	0	%100
58	M154	Z	7.084	7.084	0	%100
59	M155	X	0	0	0	%100
60	M155	Z	0	0	0	%100
61	M159	X	2.455	2.455	0	%100
62	M159	Z	4.253	4.253	0	%100
63	M160	X	7.502	7.502	0	%100
64	M160	Z	12.994	12.994	0	%100
65	M162	X	7.902	7.902	0	%100
66	M162	Z	13.686	13.686	0	%100
67	M164	X	2.455	2.455	0	%100
68	M164	Z	4.253	4.253	0	%100
69	M165	X	0	0	0	%100
70	M165	Z	0	0	0	%100
71	M167	X	0	0	0	%100
72	M167	Z	0	0	0	%100
73	M172	X	4.297	4.297	0	%100
74	M172	Z	7.442	7.442	0	%100
75	MP1A	X	3.887	3.887	0	%100
76	MP1A	Z	6.733	6.733	0	%100
77	MP3A	X	4.706	4.706	0	%100
78	MP3A	Z	8.151	8.151	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,%]
79	MP2A	X	3.887	3.887	0	%100
80	MP2A	Z	6.733	6.733	0	%100
81	MP4A	X	3.887	3.887	0	%100
82	MP4A	Z	6.733	6.733	0	%100
83	M82	X	0	0	0	%100
84	M82	Z	0	0	0	%100
85	M91	X	4.297	4.297	0	%100
86	M91	Z	7.442	7.442	0	%100
87	OVP PIPE	X	3.179	3.179	0	%100
88	OVP PIPE	Z	5.506	5.506	0	%100
89	M102A	X	3.529	3.529	0	%100
90	M102A	Z	6.113	6.113	0	%100
91	M107A	X	0	0	0	%100
92	M107A	Z	0	0	0	%100
93	M112A	X	3.529	3.529	0	%100
94	M112A	Z	6.113	6.113	0	%100
95	M123A	X	0	0	0	%100
96	M123A	Z	0	0	0	%100
97	M124A	X	4.66	4.66	0	%100
98	M124A	Z	8.072	8.072	0	%100
99	M125A	X	4.66	4.66	0	%100
100	M125A	Z	8.072	8.072	0	%100
101	MP1C	X	3.887	3.887	0	%100
102	MP1C	Z	6.733	6.733	0	%100
103	MP3C	X	4.706	4.706	0	%100
104	MP3C	Z	8.151	8.151	0	%100
105	MP2C	X	3.887	3.887	0	%100
106	MP2C	Z	6.733	6.733	0	%100
107	MP4C	X	3.887	3.887	0	%100
108	MP4C	Z	6.733	6.733	0	%100
109	MP1B	X	3.887	3.887	0	%100
110	MP1B	Z	6.733	6.733	0	%100
111	MP3B	X	4.706	4.706	0	%100
112	MP3B	Z	8.151	8.151	0	%100
113	MP2B	X	3.887	3.887	0	%100
114	MP2B	Z	6.733	6.733	0	%100
115	MP4B	X	3.887	3.887	0	%100
116	MP4B	Z	6.733	6.733	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	M100	X	0	0	0	%100
2	M100	Z	0	0	0	%100
3	M101	X	0	0	0	%100
4	M101	Z	9.847	9.847	0	%100
5	M102	X	0	0	0	%100
6	M102	Z	9.847	9.847	0	%100
7	M103	X	0	0	0	%100
8	M103	Z	19.642	19.642	0	%100
9	M106	X	0	0	0	%100
10	M106	Z	2.727	2.727	0	%100
11	M107	X	0	0	0	%100
12	M107	Z	2.727	2.727	0	%100
13	M111	X	0	0	0	%100
14	M111	Z	0	0	0	%100
15	M112	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,%]
16	M112	Z	5.001	5.001	0	%100
17	M114	X	0	0	0	%100
18	M114	Z	5.268	5.268	0	%100
19	M116	X	0	0	0	%100
20	M116	Z	0	0	0	%100
21	M117	X	0	0	0	%100
22	M117	Z	5.001	5.001	0	%100
23	M119	X	0	0	0	%100
24	M119	Z	5.268	5.268	0	%100
25	M124	X	0	0	0	%100
26	M124	Z	8.728	8.728	0	%100
27	M125	X	0	0	0	%100
28	M125	Z	2.462	2.462	0	%100
29	M126	X	0	0	0	%100
30	M126	Z	2.462	2.462	0	%100
31	M127	X	0	0	0	%100
32	M127	Z	4.91	4.91	0	%100
33	M130	X	0	0	0	%100
34	M130	Z	2.727	2.727	0	%100
35	M131	X	0	0	0	%100
36	M131	Z	10.907	10.907	0	%100
37	M135	X	0	0	0	%100
38	M135	Z	14.731	14.731	0	%100
39	M136	X	0	0	0	%100
40	M136	Z	5.001	5.001	0	%100
41	M138	X	0	0	0	%100
42	M138	Z	5.268	5.268	0	%100
43	M140	X	0	0	0	%100
44	M140	Z	14.731	14.731	0	%100
45	M141	X	0	0	0	%100
46	M141	Z	20.006	20.006	0	%100
47	M143	X	0	0	0	%100
48	M143	Z	21.071	21.071	0	%100
49	M148	X	0	0	0	%100
50	M148	Z	8.728	8.728	0	%100
51	M149	X	0	0	0	%100
52	M149	Z	2.462	2.462	0	%100
53	M150	X	0	0	0	%100
54	M150	Z	2.462	2.462	0	%100
55	M151	X	0	0	0	%100
56	M151	Z	4.91	4.91	0	%100
57	M154	X	0	0	0	%100
58	M154	Z	10.907	10.907	0	%100
59	M155	X	0	0	0	%100
60	M155	Z	2.727	2.727	0	%100
61	M159	X	0	0	0	%100
62	M159	Z	14.731	14.731	0	%100
63	M160	X	0	0	0	%100
64	M160	Z	20.006	20.006	0	%100
65	M162	X	0	0	0	%100
66	M162	Z	21.071	21.071	0	%100
67	M164	X	0	0	0	%100
68	M164	Z	14.731	14.731	0	%100
69	M165	X	0	0	0	%100
70	M165	Z	5.001	5.001	0	%100
71	M167	X	0	0	0	%100
72	M167	Z	5.268	5.268	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,%]
73	M172	X	0	0	0	%100
74	M172	Z	11.458	11.458	0	%100
75	MP1A	X	0	0	0	%100
76	MP1A	Z	7.775	7.775	0	%100
77	MP3A	X	0	0	0	%100
78	MP3A	Z	9.412	9.412	0	%100
79	MP2A	X	0	0	0	%100
80	MP2A	Z	7.775	7.775	0	%100
81	MP4A	X	0	0	0	%100
82	MP4A	Z	7.775	7.775	0	%100
83	M82	X	0	0	0	%100
84	M82	Z	2.864	2.864	0	%100
85	M91	X	0	0	0	%100
86	M91	Z	2.864	2.864	0	%100
87	OVP PIPE	X	0	0	0	%100
88	OVP PIPE	Z	6.358	6.358	0	%100
89	M102A	X	0	0	0	%100
90	M102A	Z	9.412	9.412	0	%100
91	M107A	X	0	0	0	%100
92	M107A	Z	2.353	2.353	0	%100
93	M112A	X	0	0	0	%100
94	M112A	Z	2.353	2.353	0	%100
95	M123A	X	0	0	0	%100
96	M123A	Z	3.107	3.107	0	%100
97	M124A	X	0	0	0	%100
98	M124A	Z	3.107	3.107	0	%100
99	M125A	X	0	0	0	%100
100	M125A	Z	12.427	12.427	0	%100
101	MP1C	X	0	0	0	%100
102	MP1C	Z	7.775	7.775	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	9.412	9.412	0	%100
105	MP2C	X	0	0	0	%100
106	MP2C	Z	7.775	7.775	0	%100
107	MP4C	X	0	0	0	%100
108	MP4C	Z	7.775	7.775	0	%100
109	MP1B	X	0	0	0	%100
110	MP1B	Z	7.775	7.775	0	%100
111	MP3B	X	0	0	0	%100
112	MP3B	Z	9.412	9.412	0	%100
113	MP2B	X	0	0	0	%100
114	MP2B	Z	7.775	7.775	0	%100
115	MP4B	X	0	0	0	%100
116	MP4B	Z	7.775	7.775	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	M100	X	-1.455	-1.455	0	%100
2	M100	Z	2.52	2.52	0	%100
3	M101	X	-3.693	-3.693	0	%100
4	M101	Z	6.396	6.396	0	%100
5	M102	X	-3.693	-3.693	0	%100
6	M102	Z	6.396	6.396	0	%100
7	M103	X	-7.366	-7.366	0	%100
8	M103	Z	12.758	12.758	0	%100
9	M106	X	-4.09	-4.09	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,%]
10	M106	Z	7.084	7.084	0	%100
11	M107	X	0	0	0	%100
12	M107	Z	0	0	0	%100
13	M111	X	-2.455	-2.455	0	%100
14	M111	Z	4.253	4.253	0	%100
15	M112	X	-7.502	-7.502	0	%100
16	M112	Z	12.994	12.994	0	%100
17	M114	X	-7.902	-7.902	0	%100
18	M114	Z	13.686	13.686	0	%100
19	M116	X	-2.455	-2.455	0	%100
20	M116	Z	4.253	4.253	0	%100
21	M117	X	0	0	0	%100
22	M117	Z	0	0	0	%100
23	M119	X	0	0	0	%100
24	M119	Z	0	0	0	%100
25	M124	X	-1.455	-1.455	0	%100
26	M124	Z	2.52	2.52	0	%100
27	M125	X	-3.693	-3.693	0	%100
28	M125	Z	6.396	6.396	0	%100
29	M126	X	-3.693	-3.693	0	%100
30	M126	Z	6.396	6.396	0	%100
31	M127	X	-7.366	-7.366	0	%100
32	M127	Z	12.758	12.758	0	%100
33	M130	X	0	0	0	%100
34	M130	Z	0	0	0	%100
35	M131	X	-4.09	-4.09	0	%100
36	M131	Z	7.084	7.084	0	%100
37	M135	X	-2.455	-2.455	0	%100
38	M135	Z	4.253	4.253	0	%100
39	M136	X	0	0	0	%100
40	M136	Z	0	0	0	%100
41	M138	X	0	0	0	%100
42	M138	Z	0	0	0	%100
43	M140	X	-2.455	-2.455	0	%100
44	M140	Z	4.253	4.253	0	%100
45	M141	X	-7.502	-7.502	0	%100
46	M141	Z	12.994	12.994	0	%100
47	M143	X	-7.902	-7.902	0	%100
48	M143	Z	13.686	13.686	0	%100
49	M148	X	-5.819	-5.819	0	%100
50	M148	Z	10.079	10.079	0	%100
51	M149	X	0	0	0	%100
52	M149	Z	0	0	0	%100
53	M150	X	0	0	0	%100
54	M150	Z	0	0	0	%100
55	M151	X	0	0	0	%100
56	M151	Z	0	0	0	%100
57	M154	X	-4.09	-4.09	0	%100
58	M154	Z	7.084	7.084	0	%100
59	M155	X	-4.09	-4.09	0	%100
60	M155	Z	7.084	7.084	0	%100
61	M159	X	-9.821	-9.821	0	%100
62	M159	Z	17.01	17.01	0	%100
63	M160	X	-7.502	-7.502	0	%100
64	M160	Z	12.994	12.994	0	%100
65	M162	X	-7.902	-7.902	0	%100
66	M162	Z	13.686	13.686	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,%]
67	M164	X	-9.821	-9.821	0	%100
68	M164	Z	17.01	17.01	0	%100
69	M165	X	-7.502	-7.502	0	%100
70	M165	Z	12.994	12.994	0	%100
71	M167	X	-7.902	-7.902	0	%100
72	M167	Z	13.686	13.686	0	%100
73	M172	X	-4.297	-4.297	0	%100
74	M172	Z	7.442	7.442	0	%100
75	MP1A	X	-3.887	-3.887	0	%100
76	MP1A	Z	6.733	6.733	0	%100
77	MP3A	X	-4.706	-4.706	0	%100
78	MP3A	Z	8.151	8.151	0	%100
79	MP2A	X	-3.887	-3.887	0	%100
80	MP2A	Z	6.733	6.733	0	%100
81	MP4A	X	-3.887	-3.887	0	%100
82	MP4A	Z	6.733	6.733	0	%100
83	M82	X	-4.297	-4.297	0	%100
84	M82	Z	7.442	7.442	0	%100
85	M91	X	0	0	0	%100
86	M91	Z	0	0	0	%100
87	OVP PIPE	X	-3.179	-3.179	0	%100
88	OVP PIPE	Z	5.506	5.506	0	%100
89	M102A	X	-3.529	-3.529	0	%100
90	M102A	Z	6.113	6.113	0	%100
91	M107A	X	-3.529	-3.529	0	%100
92	M107A	Z	6.113	6.113	0	%100
93	M112A	X	0	0	0	%100
94	M112A	Z	0	0	0	%100
95	M123A	X	-4.66	-4.66	0	%100
96	M123A	Z	8.072	8.072	0	%100
97	M124A	X	0	0	0	%100
98	M124A	Z	0	0	0	%100
99	M125A	X	-4.66	-4.66	0	%100
100	M125A	Z	8.072	8.072	0	%100
101	MP1C	X	-3.887	-3.887	0	%100
102	MP1C	Z	6.733	6.733	0	%100
103	MP3C	X	-4.706	-4.706	0	%100
104	MP3C	Z	8.151	8.151	0	%100
105	MP2C	X	-3.887	-3.887	0	%100
106	MP2C	Z	6.733	6.733	0	%100
107	MP4C	X	-3.887	-3.887	0	%100
108	MP4C	Z	6.733	6.733	0	%100
109	MP1B	X	-3.887	-3.887	0	%100
110	MP1B	Z	6.733	6.733	0	%100
111	MP3B	X	-4.706	-4.706	0	%100
112	MP3B	Z	8.151	8.151	0	%100
113	MP2B	X	-3.887	-3.887	0	%100
114	MP2B	Z	6.733	6.733	0	%100
115	MP4B	X	-3.887	-3.887	0	%100
116	MP4B	Z	6.733	6.733	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	M100	X	-7.559	-7.559	0	%100
2	M100	Z	4.364	4.364	0	%100
3	M101	X	-2.132	-2.132	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,%]
4	M101	Z	1.231	1.231	0	%100
5	M102	X	-2.132	-2.132	0	%100
6	M102	Z	1.231	1.231	0	%100
7	M103	X	-4.253	-4.253	0	%100
8	M103	Z	2.455	2.455	0	%100
9	M106	X	-9.445	-9.445	0	%100
10	M106	Z	5.453	5.453	0	%100
11	M107	X	-2.361	-2.361	0	%100
12	M107	Z	1.363	1.363	0	%100
13	M111	X	-12.758	-12.758	0	%100
14	M111	Z	7.366	7.366	0	%100
15	M112	X	-17.325	-17.325	0	%100
16	M112	Z	10.003	10.003	0	%100
17	M114	X	-18.248	-18.248	0	%100
18	M114	Z	10.536	10.536	0	%100
19	M116	X	-12.758	-12.758	0	%100
20	M116	Z	7.366	7.366	0	%100
21	M117	X	-4.331	-4.331	0	%100
22	M117	Z	2.501	2.501	0	%100
23	M119	X	-4.562	-4.562	0	%100
24	M119	Z	2.634	2.634	0	%100
25	M124	X	0	0	0	%100
26	M124	Z	0	0	0	%100
27	M125	X	-8.528	-8.528	0	%100
28	M125	Z	4.924	4.924	0	%100
29	M126	X	-8.528	-8.528	0	%100
30	M126	Z	4.924	4.924	0	%100
31	M127	X	-17.01	-17.01	0	%100
32	M127	Z	9.821	9.821	0	%100
33	M130	X	-2.361	-2.361	0	%100
34	M130	Z	1.363	1.363	0	%100
35	M131	X	-2.361	-2.361	0	%100
36	M131	Z	1.363	1.363	0	%100
37	M135	X	0	0	0	%100
38	M135	Z	0	0	0	%100
39	M136	X	-4.331	-4.331	0	%100
40	M136	Z	2.501	2.501	0	%100
41	M138	X	-4.562	-4.562	0	%100
42	M138	Z	2.634	2.634	0	%100
43	M140	X	0	0	0	%100
44	M140	Z	0	0	0	%100
45	M141	X	-4.331	-4.331	0	%100
46	M141	Z	2.501	2.501	0	%100
47	M143	X	-4.562	-4.562	0	%100
48	M143	Z	2.634	2.634	0	%100
49	M148	X	-7.559	-7.559	0	%100
50	M148	Z	4.364	4.364	0	%100
51	M149	X	-2.132	-2.132	0	%100
52	M149	Z	1.231	1.231	0	%100
53	M150	X	-2.132	-2.132	0	%100
54	M150	Z	1.231	1.231	0	%100
55	M151	X	-4.253	-4.253	0	%100
56	M151	Z	2.455	2.455	0	%100
57	M154	X	-2.361	-2.361	0	%100
58	M154	Z	1.363	1.363	0	%100
59	M155	X	-9.445	-9.445	0	%100
60	M155	Z	5.453	5.453	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,%]
61	M159	X	-12.758	-12.758	0	%100
62	M159	Z	7.366	7.366	0	%100
63	M160	X	-4.331	-4.331	0	%100
64	M160	Z	2.501	2.501	0	%100
65	M162	X	-4.562	-4.562	0	%100
66	M162	Z	2.634	2.634	0	%100
67	M164	X	-12.758	-12.758	0	%100
68	M164	Z	7.366	7.366	0	%100
69	M165	X	-17.325	-17.325	0	%100
70	M165	Z	10.003	10.003	0	%100
71	M167	X	-18.248	-18.248	0	%100
72	M167	Z	10.536	10.536	0	%100
73	M172	X	-2.481	-2.481	0	%100
74	M172	Z	1.432	1.432	0	%100
75	MP1A	X	-6.733	-6.733	0	%100
76	MP1A	Z	3.887	3.887	0	%100
77	MP3A	X	-8.151	-8.151	0	%100
78	MP3A	Z	4.706	4.706	0	%100
79	MP2A	X	-6.733	-6.733	0	%100
80	MP2A	Z	3.887	3.887	0	%100
81	MP4A	X	-6.733	-6.733	0	%100
82	MP4A	Z	3.887	3.887	0	%100
83	M82	X	-9.923	-9.923	0	%100
84	M82	Z	5.729	5.729	0	%100
85	M91	X	-2.481	-2.481	0	%100
86	M91	Z	1.432	1.432	0	%100
87	OVP PIPE	X	-5.506	-5.506	0	%100
88	OVP PIPE	Z	3.179	3.179	0	%100
89	M102A	X	-2.038	-2.038	0	%100
90	M102A	Z	1.176	1.176	0	%100
91	M107A	X	-8.151	-8.151	0	%100
92	M107A	Z	4.706	4.706	0	%100
93	M112A	X	-2.038	-2.038	0	%100
94	M112A	Z	1.176	1.176	0	%100
95	M123A	X	-10.762	-10.762	0	%100
96	M123A	Z	6.214	6.214	0	%100
97	M124A	X	-2.691	-2.691	0	%100
98	M124A	Z	1.553	1.553	0	%100
99	M125A	X	-2.691	-2.691	0	%100
100	M125A	Z	1.553	1.553	0	%100
101	MP1C	X	-6.733	-6.733	0	%100
102	MP1C	Z	3.887	3.887	0	%100
103	MP3C	X	-8.151	-8.151	0	%100
104	MP3C	Z	4.706	4.706	0	%100
105	MP2C	X	-6.733	-6.733	0	%100
106	MP2C	Z	3.887	3.887	0	%100
107	MP4C	X	-6.733	-6.733	0	%100
108	MP4C	Z	3.887	3.887	0	%100
109	MP1B	X	-6.733	-6.733	0	%100
110	MP1B	Z	3.887	3.887	0	%100
111	MP3B	X	-8.151	-8.151	0	%100
112	MP3B	Z	4.706	4.706	0	%100
113	MP2B	X	-6.733	-6.733	0	%100
114	MP2B	Z	3.887	3.887	0	%100
115	MP4B	X	-6.733	-6.733	0	%100
116	MP4B	Z	3.887	3.887	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	M100	X	-11.638	-11.638	0	%100
2	M100	Z	0	0	0	%100
3	M101	X	0	0	0	%100
4	M101	Z	0	0	0	%100
5	M102	X	0	0	0	%100
6	M102	Z	0	0	0	%100
7	M103	X	0	0	0	%100
8	M103	Z	0	0	0	%100
9	M106	X	-8.18	-8.18	0	%100
10	M106	Z	0	0	0	%100
11	M107	X	-8.18	-8.18	0	%100
12	M107	Z	0	0	0	%100
13	M111	X	-19.642	-19.642	0	%100
14	M111	Z	0	0	0	%100
15	M112	X	-15.004	-15.004	0	%100
16	M112	Z	0	0	0	%100
17	M114	X	-15.804	-15.804	0	%100
18	M114	Z	0	0	0	%100
19	M116	X	-19.642	-19.642	0	%100
20	M116	Z	0	0	0	%100
21	M117	X	-15.004	-15.004	0	%100
22	M117	Z	0	0	0	%100
23	M119	X	-15.804	-15.804	0	%100
24	M119	Z	0	0	0	%100
25	M124	X	-2.909	-2.909	0	%100
26	M124	Z	0	0	0	%100
27	M125	X	-7.386	-7.386	0	%100
28	M125	Z	0	0	0	%100
29	M126	X	-7.386	-7.386	0	%100
30	M126	Z	0	0	0	%100
31	M127	X	-14.731	-14.731	0	%100
32	M127	Z	0	0	0	%100
33	M130	X	-8.18	-8.18	0	%100
34	M130	Z	0	0	0	%100
35	M131	X	0	0	0	%100
36	M131	Z	0	0	0	%100
37	M135	X	-4.91	-4.91	0	%100
38	M135	Z	0	0	0	%100
39	M136	X	-15.004	-15.004	0	%100
40	M136	Z	0	0	0	%100
41	M138	X	-15.804	-15.804	0	%100
42	M138	Z	0	0	0	%100
43	M140	X	-4.91	-4.91	0	%100
44	M140	Z	0	0	0	%100
45	M141	X	0	0	0	%100
46	M141	Z	0	0	0	%100
47	M143	X	0	0	0	%100
48	M143	Z	0	0	0	%100
49	M148	X	-2.909	-2.909	0	%100
50	M148	Z	0	0	0	%100
51	M149	X	-7.386	-7.386	0	%100
52	M149	Z	0	0	0	%100
53	M150	X	-7.386	-7.386	0	%100
54	M150	Z	0	0	0	%100
55	M151	X	-14.731	-14.731	0	%100
56	M151	Z	0	0	0	%100
57	M154	X	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,%]
58	M154	Z	0	0	0	%100
59	M155	X	-8.18	-8.18	0	%100
60	M155	Z	0	0	0	%100
61	M159	X	-4.91	-4.91	0	%100
62	M159	Z	0	0	0	%100
63	M160	X	0	0	0	%100
64	M160	Z	0	0	0	%100
65	M162	X	0	0	0	%100
66	M162	Z	0	0	0	%100
67	M164	X	-4.91	-4.91	0	%100
68	M164	Z	0	0	0	%100
69	M165	X	-15.004	-15.004	0	%100
70	M165	Z	0	0	0	%100
71	M167	X	-15.804	-15.804	0	%100
72	M167	Z	0	0	0	%100
73	M172	X	0	0	0	%100
74	M172	Z	0	0	0	%100
75	MP1A	X	-7.775	-7.775	0	%100
76	MP1A	Z	0	0	0	%100
77	MP3A	X	-9.412	-9.412	0	%100
78	MP3A	Z	0	0	0	%100
79	MP2A	X	-7.775	-7.775	0	%100
80	MP2A	Z	0	0	0	%100
81	MP4A	X	-7.775	-7.775	0	%100
82	MP4A	Z	0	0	0	%100
83	M82	X	-8.593	-8.593	0	%100
84	M82	Z	0	0	0	%100
85	M91	X	-8.593	-8.593	0	%100
86	M91	Z	0	0	0	%100
87	OVP PIPE	X	-6.358	-6.358	0	%100
88	OVP PIPE	Z	0	0	0	%100
89	M102A	X	0	0	0	%100
90	M102A	Z	0	0	0	%100
91	M107A	X	-7.059	-7.059	0	%100
92	M107A	Z	0	0	0	%100
93	M112A	X	-7.059	-7.059	0	%100
94	M112A	Z	0	0	0	%100
95	M123A	X	-9.321	-9.321	0	%100
96	M123A	Z	0	0	0	%100
97	M124A	X	-9.321	-9.321	0	%100
98	M124A	Z	0	0	0	%100
99	M125A	X	0	0	0	%100
100	M125A	Z	0	0	0	%100
101	MP1C	X	-7.775	-7.775	0	%100
102	MP1C	Z	0	0	0	%100
103	MP3C	X	-9.412	-9.412	0	%100
104	MP3C	Z	0	0	0	%100
105	MP2C	X	-7.775	-7.775	0	%100
106	MP2C	Z	0	0	0	%100
107	MP4C	X	-7.775	-7.775	0	%100
108	MP4C	Z	0	0	0	%100
109	MP1B	X	-7.775	-7.775	0	%100
110	MP1B	Z	0	0	0	%100
111	MP3B	X	-9.412	-9.412	0	%100
112	MP3B	Z	0	0	0	%100
113	MP2B	X	-7.775	-7.775	0	%100
114	MP2B	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,%]
115	MP4B	X	-7.775	-7.775	0	%100
116	MP4B	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	M100	X	-7.559	-7.559	0	%100
2	M100	Z	-4.364	-4.364	0	%100
3	M101	X	-2.132	-2.132	0	%100
4	M101	Z	-1.231	-1.231	0	%100
5	M102	X	-2.132	-2.132	0	%100
6	M102	Z	-1.231	-1.231	0	%100
7	M103	X	-4.253	-4.253	0	%100
8	M103	Z	-2.455	-2.455	0	%100
9	M106	X	-2.361	-2.361	0	%100
10	M106	Z	-1.363	-1.363	0	%100
11	M107	X	-9.445	-9.445	0	%100
12	M107	Z	-5.453	-5.453	0	%100
13	M111	X	-12.758	-12.758	0	%100
14	M111	Z	-7.366	-7.366	0	%100
15	M112	X	-4.331	-4.331	0	%100
16	M112	Z	-2.501	-2.501	0	%100
17	M114	X	-4.562	-4.562	0	%100
18	M114	Z	-2.634	-2.634	0	%100
19	M116	X	-12.758	-12.758	0	%100
20	M116	Z	-7.366	-7.366	0	%100
21	M117	X	-17.325	-17.325	0	%100
22	M117	Z	-10.003	-10.003	0	%100
23	M119	X	-18.248	-18.248	0	%100
24	M119	Z	-10.536	-10.536	0	%100
25	M124	X	-7.559	-7.559	0	%100
26	M124	Z	-4.364	-4.364	0	%100
27	M125	X	-2.132	-2.132	0	%100
28	M125	Z	-1.231	-1.231	0	%100
29	M126	X	-2.132	-2.132	0	%100
30	M126	Z	-1.231	-1.231	0	%100
31	M127	X	-4.253	-4.253	0	%100
32	M127	Z	-2.455	-2.455	0	%100
33	M130	X	-9.445	-9.445	0	%100
34	M130	Z	-5.453	-5.453	0	%100
35	M131	X	-2.361	-2.361	0	%100
36	M131	Z	-1.363	-1.363	0	%100
37	M135	X	-12.758	-12.758	0	%100
38	M135	Z	-7.366	-7.366	0	%100
39	M136	X	-17.325	-17.325	0	%100
40	M136	Z	-10.003	-10.003	0	%100
41	M138	X	-18.248	-18.248	0	%100
42	M138	Z	-10.536	-10.536	0	%100
43	M140	X	-12.758	-12.758	0	%100
44	M140	Z	-7.366	-7.366	0	%100
45	M141	X	-4.331	-4.331	0	%100
46	M141	Z	-2.501	-2.501	0	%100
47	M143	X	-4.562	-4.562	0	%100
48	M143	Z	-2.634	-2.634	0	%100
49	M148	X	0	0	0	%100
50	M148	Z	0	0	0	%100
51	M149	X	-8.528	-8.528	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,%]
52	M149	Z	-4.924	-4.924	0	%100
53	M150	X	-8.528	-8.528	0	%100
54	M150	Z	-4.924	-4.924	0	%100
55	M151	X	-17.01	-17.01	0	%100
56	M151	Z	-9.821	-9.821	0	%100
57	M154	X	-2.361	-2.361	0	%100
58	M154	Z	-1.363	-1.363	0	%100
59	M155	X	-2.361	-2.361	0	%100
60	M155	Z	-1.363	-1.363	0	%100
61	M159	X	0	0	0	%100
62	M159	Z	0	0	0	%100
63	M160	X	-4.331	-4.331	0	%100
64	M160	Z	-2.501	-2.501	0	%100
65	M162	X	-4.562	-4.562	0	%100
66	M162	Z	-2.634	-2.634	0	%100
67	M164	X	0	0	0	%100
68	M164	Z	0	0	0	%100
69	M165	X	-4.331	-4.331	0	%100
70	M165	Z	-2.501	-2.501	0	%100
71	M167	X	-4.562	-4.562	0	%100
72	M167	Z	-2.634	-2.634	0	%100
73	M172	X	-2.481	-2.481	0	%100
74	M172	Z	-1.432	-1.432	0	%100
75	MP1A	X	-6.733	-6.733	0	%100
76	MP1A	Z	-3.887	-3.887	0	%100
77	MP3A	X	-8.151	-8.151	0	%100
78	MP3A	Z	-4.706	-4.706	0	%100
79	MP2A	X	-6.733	-6.733	0	%100
80	MP2A	Z	-3.887	-3.887	0	%100
81	MP4A	X	-6.733	-6.733	0	%100
82	MP4A	Z	-3.887	-3.887	0	%100
83	M82	X	-2.481	-2.481	0	%100
84	M82	Z	-1.432	-1.432	0	%100
85	M91	X	-9.923	-9.923	0	%100
86	M91	Z	-5.729	-5.729	0	%100
87	OVP PIPE	X	-5.506	-5.506	0	%100
88	OVP PIPE	Z	-3.179	-3.179	0	%100
89	M102A	X	-2.038	-2.038	0	%100
90	M102A	Z	-1.176	-1.176	0	%100
91	M107A	X	-2.038	-2.038	0	%100
92	M107A	Z	-1.176	-1.176	0	%100
93	M112A	X	-8.151	-8.151	0	%100
94	M112A	Z	-4.706	-4.706	0	%100
95	M123A	X	-2.691	-2.691	0	%100
96	M123A	Z	-1.553	-1.553	0	%100
97	M124A	X	-10.762	-10.762	0	%100
98	M124A	Z	-6.214	-6.214	0	%100
99	M125A	X	-2.691	-2.691	0	%100
100	M125A	Z	-1.553	-1.553	0	%100
101	MP1C	X	-6.733	-6.733	0	%100
102	MP1C	Z	-3.887	-3.887	0	%100
103	MP3C	X	-8.151	-8.151	0	%100
104	MP3C	Z	-4.706	-4.706	0	%100
105	MP2C	X	-6.733	-6.733	0	%100
106	MP2C	Z	-3.887	-3.887	0	%100
107	MP4C	X	-6.733	-6.733	0	%100
108	MP4C	Z	-3.887	-3.887	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,%]
109	MP1B	X	-6.733	-6.733	0	%100
110	MP1B	Z	-3.887	-3.887	0	%100
111	MP3B	X	-8.151	-8.151	0	%100
112	MP3B	Z	-4.706	-4.706	0	%100
113	MP2B	X	-6.733	-6.733	0	%100
114	MP2B	Z	-3.887	-3.887	0	%100
115	MP4B	X	-6.733	-6.733	0	%100
116	MP4B	Z	-3.887	-3.887	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	M100	X	-1.455	-1.455	0	%100
2	M100	Z	-2.52	-2.52	0	%100
3	M101	X	-3.693	-3.693	0	%100
4	M101	Z	-6.396	-6.396	0	%100
5	M102	X	-3.693	-3.693	0	%100
6	M102	Z	-6.396	-6.396	0	%100
7	M103	X	-7.366	-7.366	0	%100
8	M103	Z	-12.758	-12.758	0	%100
9	M106	X	0	0	0	%100
10	M106	Z	0	0	0	%100
11	M107	X	-4.09	-4.09	0	%100
12	M107	Z	-7.084	-7.084	0	%100
13	M111	X	-2.455	-2.455	0	%100
14	M111	Z	-4.253	-4.253	0	%100
15	M112	X	0	0	0	%100
16	M112	Z	0	0	0	%100
17	M114	X	0	0	0	%100
18	M114	Z	0	0	0	%100
19	M116	X	-2.455	-2.455	0	%100
20	M116	Z	-4.253	-4.253	0	%100
21	M117	X	-7.502	-7.502	0	%100
22	M117	Z	-12.994	-12.994	0	%100
23	M119	X	-7.902	-7.902	0	%100
24	M119	Z	-13.686	-13.686	0	%100
25	M124	X	-5.819	-5.819	0	%100
26	M124	Z	-10.079	-10.079	0	%100
27	M125	X	0	0	0	%100
28	M125	Z	0	0	0	%100
29	M126	X	0	0	0	%100
30	M126	Z	0	0	0	%100
31	M127	X	0	0	0	%100
32	M127	Z	0	0	0	%100
33	M130	X	-4.09	-4.09	0	%100
34	M130	Z	-7.084	-7.084	0	%100
35	M131	X	-4.09	-4.09	0	%100
36	M131	Z	-7.084	-7.084	0	%100
37	M135	X	-9.821	-9.821	0	%100
38	M135	Z	-17.01	-17.01	0	%100
39	M136	X	-7.502	-7.502	0	%100
40	M136	Z	-12.994	-12.994	0	%100
41	M138	X	-7.902	-7.902	0	%100
42	M138	Z	-13.686	-13.686	0	%100
43	M140	X	-9.821	-9.821	0	%100
44	M140	Z	-17.01	-17.01	0	%100
45	M141	X	-7.502	-7.502	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,%]
46	M141	Z	-12.994	-12.994	0	%100
47	M143	X	-7.902	-7.902	0	%100
48	M143	Z	-13.686	-13.686	0	%100
49	M148	X	-1.455	-1.455	0	%100
50	M148	Z	-2.52	-2.52	0	%100
51	M149	X	-3.693	-3.693	0	%100
52	M149	Z	-6.396	-6.396	0	%100
53	M150	X	-3.693	-3.693	0	%100
54	M150	Z	-6.396	-6.396	0	%100
55	M151	X	-7.366	-7.366	0	%100
56	M151	Z	-12.758	-12.758	0	%100
57	M154	X	-4.09	-4.09	0	%100
58	M154	Z	-7.084	-7.084	0	%100
59	M155	X	0	0	0	%100
60	M155	Z	0	0	0	%100
61	M159	X	-2.455	-2.455	0	%100
62	M159	Z	-4.253	-4.253	0	%100
63	M160	X	-7.502	-7.502	0	%100
64	M160	Z	-12.994	-12.994	0	%100
65	M162	X	-7.902	-7.902	0	%100
66	M162	Z	-13.686	-13.686	0	%100
67	M164	X	-2.455	-2.455	0	%100
68	M164	Z	-4.253	-4.253	0	%100
69	M165	X	0	0	0	%100
70	M165	Z	0	0	0	%100
71	M167	X	0	0	0	%100
72	M167	Z	0	0	0	%100
73	M172	X	-4.297	-4.297	0	%100
74	M172	Z	-7.442	-7.442	0	%100
75	MP1A	X	-3.887	-3.887	0	%100
76	MP1A	Z	-6.733	-6.733	0	%100
77	MP3A	X	-4.706	-4.706	0	%100
78	MP3A	Z	-8.151	-8.151	0	%100
79	MP2A	X	-3.887	-3.887	0	%100
80	MP2A	Z	-6.733	-6.733	0	%100
81	MP4A	X	-3.887	-3.887	0	%100
82	MP4A	Z	-6.733	-6.733	0	%100
83	M82	X	0	0	0	%100
84	M82	Z	0	0	0	%100
85	M91	X	-4.297	-4.297	0	%100
86	M91	Z	-7.442	-7.442	0	%100
87	OVP PIPE	X	-3.179	-3.179	0	%100
88	OVP PIPE	Z	-5.506	-5.506	0	%100
89	M102A	X	-3.529	-3.529	0	%100
90	M102A	Z	-6.113	-6.113	0	%100
91	M107A	X	0	0	0	%100
92	M107A	Z	0	0	0	%100
93	M112A	X	-3.529	-3.529	0	%100
94	M112A	Z	-6.113	-6.113	0	%100
95	M123A	X	0	0	0	%100
96	M123A	Z	0	0	0	%100
97	M124A	X	-4.66	-4.66	0	%100
98	M124A	Z	-8.072	-8.072	0	%100
99	M125A	X	-4.66	-4.66	0	%100
100	M125A	Z	-8.072	-8.072	0	%100
101	MP1C	X	-3.887	-3.887	0	%100
102	MP1C	Z	-6.733	-6.733	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,%]
103	MP3C	X	-4.706	-4.706	0	%100
104	MP3C	Z	-8.151	-8.151	0	%100
105	MP2C	X	-3.887	-3.887	0	%100
106	MP2C	Z	-6.733	-6.733	0	%100
107	MP4C	X	-3.887	-3.887	0	%100
108	MP4C	Z	-6.733	-6.733	0	%100
109	MP1B	X	-3.887	-3.887	0	%100
110	MP1B	Z	-6.733	-6.733	0	%100
111	MP3B	X	-4.706	-4.706	0	%100
112	MP3B	Z	-8.151	-8.151	0	%100
113	MP2B	X	-3.887	-3.887	0	%100
114	MP2B	Z	-6.733	-6.733	0	%100
115	MP4B	X	-3.887	-3.887	0	%100
116	MP4B	Z	-6.733	-6.733	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	M100	X	0	0	0	%100
2	M100	Z	0	0	0	%100
3	M101	X	0	0	0	%100
4	M101	Z	-2.977	-2.977	0	%100
5	M102	X	0	0	0	%100
6	M102	Z	-2.977	-2.977	0	%100
7	M103	X	0	0	0	%100
8	M103	Z	-4.644	-4.644	0	%100
9	M106	X	0	0	0	%100
10	M106	Z	-.856	-.856	0	%100
11	M107	X	0	0	0	%100
12	M107	Z	-.856	-.856	0	%100
13	M111	X	0	0	0	%100
14	M111	Z	0	0	0	%100
15	M112	X	0	0	0	%100
16	M112	Z	-1.16	-1.16	0	%100
17	M114	X	0	0	0	%100
18	M114	Z	-1.21	-1.21	0	%100
19	M116	X	0	0	0	%100
20	M116	Z	0	0	0	%100
21	M117	X	0	0	0	%100
22	M117	Z	-1.16	-1.16	0	%100
23	M119	X	0	0	0	%100
24	M119	Z	-1.21	-1.21	0	%100
25	M124	X	0	0	0	%100
26	M124	Z	-2.752	-2.752	0	%100
27	M125	X	0	0	0	%100
28	M125	Z	-.744	-.744	0	%100
29	M126	X	0	0	0	%100
30	M126	Z	-.744	-.744	0	%100
31	M127	X	0	0	0	%100
32	M127	Z	-1.161	-1.161	0	%100
33	M130	X	0	0	0	%100
34	M130	Z	-.856	-.856	0	%100
35	M131	X	0	0	0	%100
36	M131	Z	-3.423	-3.423	0	%100
37	M135	X	0	0	0	%100
38	M135	Z	-3.427	-3.427	0	%100
39	M136	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,%]
40	M136	Z	-1.16	-1.16	0	%100
41	M138	X	0	0	0	%100
42	M138	Z	-1.21	-1.21	0	%100
43	M140	X	0	0	0	%100
44	M140	Z	-3.427	-3.427	0	%100
45	M141	X	0	0	0	%100
46	M141	Z	-4.639	-4.639	0	%100
47	M143	X	0	0	0	%100
48	M143	Z	-4.84	-4.84	0	%100
49	M148	X	0	0	0	%100
50	M148	Z	-2.752	-2.752	0	%100
51	M149	X	0	0	0	%100
52	M149	Z	-.744	-.744	0	%100
53	M150	X	0	0	0	%100
54	M150	Z	-.744	-.744	0	%100
55	M151	X	0	0	0	%100
56	M151	Z	-1.161	-1.161	0	%100
57	M154	X	0	0	0	%100
58	M154	Z	-3.423	-3.423	0	%100
59	M155	X	0	0	0	%100
60	M155	Z	-.856	-.856	0	%100
61	M159	X	0	0	0	%100
62	M159	Z	-3.427	-3.427	0	%100
63	M160	X	0	0	0	%100
64	M160	Z	-4.639	-4.639	0	%100
65	M162	X	0	0	0	%100
66	M162	Z	-4.84	-4.84	0	%100
67	M164	X	0	0	0	%100
68	M164	Z	-3.427	-3.427	0	%100
69	M165	X	0	0	0	%100
70	M165	Z	-1.16	-1.16	0	%100
71	M167	X	0	0	0	%100
72	M167	Z	-1.21	-1.21	0	%100
73	M172	X	0	0	0	%100
74	M172	Z	-3.635	-3.635	0	%100
75	MP1A	X	0	0	0	%100
76	MP1A	Z	-2.939	-2.939	0	%100
77	MP3A	X	0	0	0	%100
78	MP3A	Z	-3.248	-3.248	0	%100
79	MP2A	X	0	0	0	%100
80	MP2A	Z	-2.939	-2.939	0	%100
81	MP4A	X	0	0	0	%100
82	MP4A	Z	-2.939	-2.939	0	%100
83	M82	X	0	0	0	%100
84	M82	Z	-.909	-.909	0	%100
85	M91	X	0	0	0	%100
86	M91	Z	-.909	-.909	0	%100
87	OVP PIPE	X	0	0	0	%100
88	OVP PIPE	Z	-2.403	-2.403	0	%100
89	M102A	X	0	0	0	%100
90	M102A	Z	-3.248	-3.248	0	%100
91	M107A	X	0	0	0	%100
92	M107A	Z	-.812	-.812	0	%100
93	M112A	X	0	0	0	%100
94	M112A	Z	-.812	-.812	0	%100
95	M123A	X	0	0	0	%100
96	M123A	Z	-.875	-.875	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,%]
97	M124A	X	0	0	0	%100
98	M124A	Z	-.875	-.875	0	%100
99	M125A	X	0	0	0	%100
100	M125A	Z	-3.501	-3.501	0	%100
101	MP1C	X	0	0	0	%100
102	MP1C	Z	-2.939	-2.939	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	-3.248	-3.248	0	%100
105	MP2C	X	0	0	0	%100
106	MP2C	Z	-2.939	-2.939	0	%100
107	MP4C	X	0	0	0	%100
108	MP4C	Z	-2.939	-2.939	0	%100
109	MP1B	X	0	0	0	%100
110	MP1B	Z	-2.939	-2.939	0	%100
111	MP3B	X	0	0	0	%100
112	MP3B	Z	-3.248	-3.248	0	%100
113	MP2B	X	0	0	0	%100
114	MP2B	Z	-2.939	-2.939	0	%100
115	MP4B	X	0	0	0	%100
116	MP4B	Z	-2.939	-2.939	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	M100	X	.459	.459	0	%100
2	M100	Z	-.794	-.794	0	%100
3	M101	X	1.116	1.116	0	%100
4	M101	Z	-1.934	-1.934	0	%100
5	M102	X	1.116	1.116	0	%100
6	M102	Z	-1.934	-1.934	0	%100
7	M103	X	1.741	1.741	0	%100
8	M103	Z	-3.016	-3.016	0	%100
9	M106	X	1.284	1.284	0	%100
10	M106	Z	-2.223	-2.223	0	%100
11	M107	X	0	0	0	%100
12	M107	Z	0	0	0	%100
13	M111	X	.571	.571	0	%100
14	M111	Z	-.989	-.989	0	%100
15	M112	X	1.739	1.739	0	%100
16	M112	Z	-3.013	-3.013	0	%100
17	M114	X	1.815	1.815	0	%100
18	M114	Z	-3.144	-3.144	0	%100
19	M116	X	.571	.571	0	%100
20	M116	Z	-.989	-.989	0	%100
21	M117	X	0	0	0	%100
22	M117	Z	0	0	0	%100
23	M119	X	0	0	0	%100
24	M119	Z	0	0	0	%100
25	M124	X	.459	.459	0	%100
26	M124	Z	-.794	-.794	0	%100
27	M125	X	1.116	1.116	0	%100
28	M125	Z	-1.934	-1.934	0	%100
29	M126	X	1.116	1.116	0	%100
30	M126	Z	-1.934	-1.934	0	%100
31	M127	X	1.741	1.741	0	%100
32	M127	Z	-3.016	-3.016	0	%100
33	M130	X	0	0	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,%]
34	M130	Z	0	0	0	%100
35	M131	X	1.284	1.284	0	%100
36	M131	Z	-2.223	-2.223	0	%100
37	M135	X	.571	.571	0	%100
38	M135	Z	-.989	-.989	0	%100
39	M136	X	0	0	0	%100
40	M136	Z	0	0	0	%100
41	M138	X	0	0	0	%100
42	M138	Z	0	0	0	%100
43	M140	X	.571	.571	0	%100
44	M140	Z	-.989	-.989	0	%100
45	M141	X	1.739	1.739	0	%100
46	M141	Z	-3.013	-3.013	0	%100
47	M143	X	1.815	1.815	0	%100
48	M143	Z	-3.144	-3.144	0	%100
49	M148	X	1.834	1.834	0	%100
50	M148	Z	-3.177	-3.177	0	%100
51	M149	X	0	0	0	%100
52	M149	Z	0	0	0	%100
53	M150	X	0	0	0	%100
54	M150	Z	0	0	0	%100
55	M151	X	0	0	0	%100
56	M151	Z	0	0	0	%100
57	M154	X	1.284	1.284	0	%100
58	M154	Z	-2.223	-2.223	0	%100
59	M155	X	1.284	1.284	0	%100
60	M155	Z	-2.223	-2.223	0	%100
61	M159	X	2.285	2.285	0	%100
62	M159	Z	-3.958	-3.958	0	%100
63	M160	X	1.739	1.739	0	%100
64	M160	Z	-3.013	-3.013	0	%100
65	M162	X	1.815	1.815	0	%100
66	M162	Z	-3.144	-3.144	0	%100
67	M164	X	2.285	2.285	0	%100
68	M164	Z	-3.958	-3.958	0	%100
69	M165	X	1.739	1.739	0	%100
70	M165	Z	-3.013	-3.013	0	%100
71	M167	X	1.815	1.815	0	%100
72	M167	Z	-3.144	-3.144	0	%100
73	M172	X	1.363	1.363	0	%100
74	M172	Z	-2.361	-2.361	0	%100
75	MP1A	X	1.469	1.469	0	%100
76	MP1A	Z	-2.545	-2.545	0	%100
77	MP3A	X	1.624	1.624	0	%100
78	MP3A	Z	-2.813	-2.813	0	%100
79	MP2A	X	1.469	1.469	0	%100
80	MP2A	Z	-2.545	-2.545	0	%100
81	MP4A	X	1.469	1.469	0	%100
82	MP4A	Z	-2.545	-2.545	0	%100
83	M82	X	1.363	1.363	0	%100
84	M82	Z	-2.361	-2.361	0	%100
85	M91	X	0	0	0	%100
86	M91	Z	0	0	0	%100
87	OVP PIPE	X	1.202	1.202	0	%100
88	OVP PIPE	Z	-2.081	-2.081	0	%100
89	M102A	X	1.218	1.218	0	%100
90	M102A	Z	-2.11	-2.11	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,%]
91	M107A	X	1.218	1.218	0	%100
92	M107A	Z	-2.11	-2.11	0	%100
93	M112A	X	0	0	0	%100
94	M112A	Z	0	0	0	%100
95	M123A	X	1.313	1.313	0	%100
96	M123A	Z	-2.274	-2.274	0	%100
97	M124A	X	0	0	0	%100
98	M124A	Z	0	0	0	%100
99	M125A	X	1.313	1.313	0	%100
100	M125A	Z	-2.274	-2.274	0	%100
101	MP1C	X	1.469	1.469	0	%100
102	MP1C	Z	-2.545	-2.545	0	%100
103	MP3C	X	1.624	1.624	0	%100
104	MP3C	Z	-2.813	-2.813	0	%100
105	MP2C	X	1.469	1.469	0	%100
106	MP2C	Z	-2.545	-2.545	0	%100
107	MP4C	X	1.469	1.469	0	%100
108	MP4C	Z	-2.545	-2.545	0	%100
109	MP1B	X	1.469	1.469	0	%100
110	MP1B	Z	-2.545	-2.545	0	%100
111	MP3B	X	1.624	1.624	0	%100
112	MP3B	Z	-2.813	-2.813	0	%100
113	MP2B	X	1.469	1.469	0	%100
114	MP2B	Z	-2.545	-2.545	0	%100
115	MP4B	X	1.469	1.469	0	%100
116	MP4B	Z	-2.545	-2.545	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	M100	X	2.383	2.383	0	%100
2	M100	Z	-1.376	-1.376	0	%100
3	M101	X	.645	.645	0	%100
4	M101	Z	-.372	-.372	0	%100
5	M102	X	.645	.645	0	%100
6	M102	Z	-.372	-.372	0	%100
7	M103	X	1.005	1.005	0	%100
8	M103	Z	-.58	-.58	0	%100
9	M106	X	2.964	2.964	0	%100
10	M106	Z	-1.711	-1.711	0	%100
11	M107	X	.741	.741	0	%100
12	M107	Z	-.428	-.428	0	%100
13	M111	X	2.968	2.968	0	%100
14	M111	Z	-1.714	-1.714	0	%100
15	M112	X	4.017	4.017	0	%100
16	M112	Z	-2.319	-2.319	0	%100
17	M114	X	4.192	4.192	0	%100
18	M114	Z	-2.42	-2.42	0	%100
19	M116	X	2.968	2.968	0	%100
20	M116	Z	-1.714	-1.714	0	%100
21	M117	X	1.004	1.004	0	%100
22	M117	Z	-.58	-.58	0	%100
23	M119	X	1.048	1.048	0	%100
24	M119	Z	-.605	-.605	0	%100
25	M124	X	0	0	0	%100
26	M124	Z	0	0	0	%100
27	M125	X	2.578	2.578	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,%]
28	M125	Z	-1.488	-1.488	0	%100
29	M126	X	2.578	2.578	0	%100
30	M126	Z	-1.488	-1.488	0	%100
31	M127	X	4.022	4.022	0	%100
32	M127	Z	-2.322	-2.322	0	%100
33	M130	X	.741	.741	0	%100
34	M130	Z	-.428	-.428	0	%100
35	M131	X	.741	.741	0	%100
36	M131	Z	-.428	-.428	0	%100
37	M135	X	0	0	0	%100
38	M135	Z	0	0	0	%100
39	M136	X	1.004	1.004	0	%100
40	M136	Z	-.58	-.58	0	%100
41	M138	X	1.048	1.048	0	%100
42	M138	Z	-.605	-.605	0	%100
43	M140	X	0	0	0	%100
44	M140	Z	0	0	0	%100
45	M141	X	1.004	1.004	0	%100
46	M141	Z	-.58	-.58	0	%100
47	M143	X	1.048	1.048	0	%100
48	M143	Z	-.605	-.605	0	%100
49	M148	X	2.383	2.383	0	%100
50	M148	Z	-1.376	-1.376	0	%100
51	M149	X	.645	.645	0	%100
52	M149	Z	-.372	-.372	0	%100
53	M150	X	.645	.645	0	%100
54	M150	Z	-.372	-.372	0	%100
55	M151	X	1.005	1.005	0	%100
56	M151	Z	-.58	-.58	0	%100
57	M154	X	.741	.741	0	%100
58	M154	Z	-.428	-.428	0	%100
59	M155	X	2.964	2.964	0	%100
60	M155	Z	-1.711	-1.711	0	%100
61	M159	X	2.968	2.968	0	%100
62	M159	Z	-1.714	-1.714	0	%100
63	M160	X	1.004	1.004	0	%100
64	M160	Z	-.58	-.58	0	%100
65	M162	X	1.048	1.048	0	%100
66	M162	Z	-.605	-.605	0	%100
67	M164	X	2.968	2.968	0	%100
68	M164	Z	-1.714	-1.714	0	%100
69	M165	X	4.017	4.017	0	%100
70	M165	Z	-2.319	-2.319	0	%100
71	M167	X	4.192	4.192	0	%100
72	M167	Z	-2.42	-2.42	0	%100
73	M172	X	.787	.787	0	%100
74	M172	Z	-.454	-.454	0	%100
75	MP1A	X	2.545	2.545	0	%100
76	MP1A	Z	-1.469	-1.469	0	%100
77	MP3A	X	2.813	2.813	0	%100
78	MP3A	Z	-1.624	-1.624	0	%100
79	MP2A	X	2.545	2.545	0	%100
80	MP2A	Z	-1.469	-1.469	0	%100
81	MP4A	X	2.545	2.545	0	%100
82	MP4A	Z	-1.469	-1.469	0	%100
83	M82	X	3.148	3.148	0	%100
84	M82	Z	-1.817	-1.817	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,%]
85	M91	X	.787	.787	0	%100
86	M91	Z	-.454	-.454	0	%100
87	OVP PIPE	X	2.081	2.081	0	%100
88	OVP PIPE	Z	-1.202	-1.202	0	%100
89	M102A	X	.703	.703	0	%100
90	M102A	Z	-.406	-.406	0	%100
91	M107A	X	2.813	2.813	0	%100
92	M107A	Z	-1.624	-1.624	0	%100
93	M112A	X	.703	.703	0	%100
94	M112A	Z	-.406	-.406	0	%100
95	M123A	X	3.032	3.032	0	%100
96	M123A	Z	-1.75	-1.75	0	%100
97	M124A	X	.758	.758	0	%100
98	M124A	Z	-.438	-.438	0	%100
99	M125A	X	.758	.758	0	%100
100	M125A	Z	-.438	-.438	0	%100
101	MP1C	X	2.545	2.545	0	%100
102	MP1C	Z	-1.469	-1.469	0	%100
103	MP3C	X	2.813	2.813	0	%100
104	MP3C	Z	-1.624	-1.624	0	%100
105	MP2C	X	2.545	2.545	0	%100
106	MP2C	Z	-1.469	-1.469	0	%100
107	MP4C	X	2.545	2.545	0	%100
108	MP4C	Z	-1.469	-1.469	0	%100
109	MP1B	X	2.545	2.545	0	%100
110	MP1B	Z	-1.469	-1.469	0	%100
111	MP3B	X	2.813	2.813	0	%100
112	MP3B	Z	-1.624	-1.624	0	%100
113	MP2B	X	2.545	2.545	0	%100
114	MP2B	Z	-1.469	-1.469	0	%100
115	MP4B	X	2.545	2.545	0	%100
116	MP4B	Z	-1.469	-1.469	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	M100	X	3.669	3.669	0	%100
2	M100	Z	0	0	0	%100
3	M101	X	0	0	0	%100
4	M101	Z	0	0	0	%100
5	M102	X	0	0	0	%100
6	M102	Z	0	0	0	%100
7	M103	X	0	0	0	%100
8	M103	Z	0	0	0	%100
9	M106	X	2.567	2.567	0	%100
10	M106	Z	0	0	0	%100
11	M107	X	2.567	2.567	0	%100
12	M107	Z	0	0	0	%100
13	M111	X	4.57	4.57	0	%100
14	M111	Z	0	0	0	%100
15	M112	X	3.479	3.479	0	%100
16	M112	Z	0	0	0	%100
17	M114	X	3.63	3.63	0	%100
18	M114	Z	0	0	0	%100
19	M116	X	4.57	4.57	0	%100
20	M116	Z	0	0	0	%100
21	M117	X	3.479	3.479	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,%]
22	M117	Z	0	0	0	%100
23	M119	X	3.63	3.63	0	%100
24	M119	Z	0	0	0	%100
25	M124	X	.917	.917	0	%100
26	M124	Z	0	0	0	%100
27	M125	X	2.233	2.233	0	%100
28	M125	Z	0	0	0	%100
29	M126	X	2.233	2.233	0	%100
30	M126	Z	0	0	0	%100
31	M127	X	3.483	3.483	0	%100
32	M127	Z	0	0	0	%100
33	M130	X	2.567	2.567	0	%100
34	M130	Z	0	0	0	%100
35	M131	X	0	0	0	%100
36	M131	Z	0	0	0	%100
37	M135	X	1.142	1.142	0	%100
38	M135	Z	0	0	0	%100
39	M136	X	3.479	3.479	0	%100
40	M136	Z	0	0	0	%100
41	M138	X	3.63	3.63	0	%100
42	M138	Z	0	0	0	%100
43	M140	X	1.142	1.142	0	%100
44	M140	Z	0	0	0	%100
45	M141	X	0	0	0	%100
46	M141	Z	0	0	0	%100
47	M143	X	0	0	0	%100
48	M143	Z	0	0	0	%100
49	M148	X	.917	.917	0	%100
50	M148	Z	0	0	0	%100
51	M149	X	2.233	2.233	0	%100
52	M149	Z	0	0	0	%100
53	M150	X	2.233	2.233	0	%100
54	M150	Z	0	0	0	%100
55	M151	X	3.483	3.483	0	%100
56	M151	Z	0	0	0	%100
57	M154	X	0	0	0	%100
58	M154	Z	0	0	0	%100
59	M155	X	2.567	2.567	0	%100
60	M155	Z	0	0	0	%100
61	M159	X	1.142	1.142	0	%100
62	M159	Z	0	0	0	%100
63	M160	X	0	0	0	%100
64	M160	Z	0	0	0	%100
65	M162	X	0	0	0	%100
66	M162	Z	0	0	0	%100
67	M164	X	1.142	1.142	0	%100
68	M164	Z	0	0	0	%100
69	M165	X	3.479	3.479	0	%100
70	M165	Z	0	0	0	%100
71	M167	X	3.63	3.63	0	%100
72	M167	Z	0	0	0	%100
73	M172	X	0	0	0	%100
74	M172	Z	0	0	0	%100
75	MP1A	X	2.939	2.939	0	%100
76	MP1A	Z	0	0	0	%100
77	MP3A	X	3.248	3.248	0	%100
78	MP3A	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,%]
79	MP2A	X	2.939	2.939	0	%100
80	MP2A	Z	0	0	0	%100
81	MP4A	X	2.939	2.939	0	%100
82	MP4A	Z	0	0	0	%100
83	M82	X	2.726	2.726	0	%100
84	M82	Z	0	0	0	%100
85	M91	X	2.726	2.726	0	%100
86	M91	Z	0	0	0	%100
87	OVP PIPE	X	2.403	2.403	0	%100
88	OVP PIPE	Z	0	0	0	%100
89	M102A	X	0	0	0	%100
90	M102A	Z	0	0	0	%100
91	M107A	X	2.436	2.436	0	%100
92	M107A	Z	0	0	0	%100
93	M112A	X	2.436	2.436	0	%100
94	M112A	Z	0	0	0	%100
95	M123A	X	2.626	2.626	0	%100
96	M123A	Z	0	0	0	%100
97	M124A	X	2.626	2.626	0	%100
98	M124A	Z	0	0	0	%100
99	M125A	X	0	0	0	%100
100	M125A	Z	0	0	0	%100
101	MP1C	X	2.939	2.939	0	%100
102	MP1C	Z	0	0	0	%100
103	MP3C	X	3.248	3.248	0	%100
104	MP3C	Z	0	0	0	%100
105	MP2C	X	2.939	2.939	0	%100
106	MP2C	Z	0	0	0	%100
107	MP4C	X	2.939	2.939	0	%100
108	MP4C	Z	0	0	0	%100
109	MP1B	X	2.939	2.939	0	%100
110	MP1B	Z	0	0	0	%100
111	MP3B	X	3.248	3.248	0	%100
112	MP3B	Z	0	0	0	%100
113	MP2B	X	2.939	2.939	0	%100
114	MP2B	Z	0	0	0	%100
115	MP4B	X	2.939	2.939	0	%100
116	MP4B	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	M100	X	2.383	2.383	0	%100
2	M100	Z	1.376	1.376	0	%100
3	M101	X	.645	.645	0	%100
4	M101	Z	.372	.372	0	%100
5	M102	X	.645	.645	0	%100
6	M102	Z	.372	.372	0	%100
7	M103	X	1.005	1.005	0	%100
8	M103	Z	.58	.58	0	%100
9	M106	X	.741	.741	0	%100
10	M106	Z	.428	.428	0	%100
11	M107	X	2.964	2.964	0	%100
12	M107	Z	1.711	1.711	0	%100
13	M111	X	2.968	2.968	0	%100
14	M111	Z	1.714	1.714	0	%100
15	M112	X	1.004	1.004	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,%]
16	M112	Z	.58	.58	0	%100
17	M114	X	1.048	1.048	0	%100
18	M114	Z	.605	.605	0	%100
19	M116	X	2.968	2.968	0	%100
20	M116	Z	1.714	1.714	0	%100
21	M117	X	4.017	4.017	0	%100
22	M117	Z	2.319	2.319	0	%100
23	M119	X	4.192	4.192	0	%100
24	M119	Z	2.42	2.42	0	%100
25	M124	X	2.383	2.383	0	%100
26	M124	Z	1.376	1.376	0	%100
27	M125	X	.645	.645	0	%100
28	M125	Z	.372	.372	0	%100
29	M126	X	.645	.645	0	%100
30	M126	Z	.372	.372	0	%100
31	M127	X	1.005	1.005	0	%100
32	M127	Z	.58	.58	0	%100
33	M130	X	2.964	2.964	0	%100
34	M130	Z	1.711	1.711	0	%100
35	M131	X	.741	.741	0	%100
36	M131	Z	.428	.428	0	%100
37	M135	X	2.968	2.968	0	%100
38	M135	Z	1.714	1.714	0	%100
39	M136	X	4.017	4.017	0	%100
40	M136	Z	2.319	2.319	0	%100
41	M138	X	4.192	4.192	0	%100
42	M138	Z	2.42	2.42	0	%100
43	M140	X	2.968	2.968	0	%100
44	M140	Z	1.714	1.714	0	%100
45	M141	X	1.004	1.004	0	%100
46	M141	Z	.58	.58	0	%100
47	M143	X	1.048	1.048	0	%100
48	M143	Z	.605	.605	0	%100
49	M148	X	0	0	0	%100
50	M148	Z	0	0	0	%100
51	M149	X	2.578	2.578	0	%100
52	M149	Z	1.488	1.488	0	%100
53	M150	X	2.578	2.578	0	%100
54	M150	Z	1.488	1.488	0	%100
55	M151	X	4.022	4.022	0	%100
56	M151	Z	2.322	2.322	0	%100
57	M154	X	.741	.741	0	%100
58	M154	Z	.428	.428	0	%100
59	M155	X	.741	.741	0	%100
60	M155	Z	.428	.428	0	%100
61	M159	X	0	0	0	%100
62	M159	Z	0	0	0	%100
63	M160	X	1.004	1.004	0	%100
64	M160	Z	.58	.58	0	%100
65	M162	X	1.048	1.048	0	%100
66	M162	Z	.605	.605	0	%100
67	M164	X	0	0	0	%100
68	M164	Z	0	0	0	%100
69	M165	X	1.004	1.004	0	%100
70	M165	Z	.58	.58	0	%100
71	M167	X	1.048	1.048	0	%100
72	M167	Z	.605	.605	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,%]
73	M172	X	.787	.787	0	%100
74	M172	Z	.454	.454	0	%100
75	MP1A	X	2.545	2.545	0	%100
76	MP1A	Z	1.469	1.469	0	%100
77	MP3A	X	2.813	2.813	0	%100
78	MP3A	Z	1.624	1.624	0	%100
79	MP2A	X	2.545	2.545	0	%100
80	MP2A	Z	1.469	1.469	0	%100
81	MP4A	X	2.545	2.545	0	%100
82	MP4A	Z	1.469	1.469	0	%100
83	M82	X	.787	.787	0	%100
84	M82	Z	.454	.454	0	%100
85	M91	X	3.148	3.148	0	%100
86	M91	Z	1.817	1.817	0	%100
87	OVP PIPE	X	2.081	2.081	0	%100
88	OVP PIPE	Z	1.202	1.202	0	%100
89	M102A	X	.703	.703	0	%100
90	M102A	Z	.406	.406	0	%100
91	M107A	X	.703	.703	0	%100
92	M107A	Z	.406	.406	0	%100
93	M112A	X	2.813	2.813	0	%100
94	M112A	Z	1.624	1.624	0	%100
95	M123A	X	.758	.758	0	%100
96	M123A	Z	.438	.438	0	%100
97	M124A	X	3.032	3.032	0	%100
98	M124A	Z	1.75	1.75	0	%100
99	M125A	X	.758	.758	0	%100
100	M125A	Z	.438	.438	0	%100
101	MP1C	X	2.545	2.545	0	%100
102	MP1C	Z	1.469	1.469	0	%100
103	MP3C	X	2.813	2.813	0	%100
104	MP3C	Z	1.624	1.624	0	%100
105	MP2C	X	2.545	2.545	0	%100
106	MP2C	Z	1.469	1.469	0	%100
107	MP4C	X	2.545	2.545	0	%100
108	MP4C	Z	1.469	1.469	0	%100
109	MP1B	X	2.545	2.545	0	%100
110	MP1B	Z	1.469	1.469	0	%100
111	MP3B	X	2.813	2.813	0	%100
112	MP3B	Z	1.624	1.624	0	%100
113	MP2B	X	2.545	2.545	0	%100
114	MP2B	Z	1.469	1.469	0	%100
115	MP4B	X	2.545	2.545	0	%100
116	MP4B	Z	1.469	1.469	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	M100	X	.459	.459	0	%100
2	M100	Z	.794	.794	0	%100
3	M101	X	1.116	1.116	0	%100
4	M101	Z	1.934	1.934	0	%100
5	M102	X	1.116	1.116	0	%100
6	M102	Z	1.934	1.934	0	%100
7	M103	X	1.741	1.741	0	%100
8	M103	Z	3.016	3.016	0	%100
9	M106	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,%]
10	M106	Z	0	0	0	%100
11	M107	X	1.284	1.284	0	%100
12	M107	Z	2.223	2.223	0	%100
13	M111	X	.571	.571	0	%100
14	M111	Z	.989	.989	0	%100
15	M112	X	0	0	0	%100
16	M112	Z	0	0	0	%100
17	M114	X	0	0	0	%100
18	M114	Z	0	0	0	%100
19	M116	X	.571	.571	0	%100
20	M116	Z	.989	.989	0	%100
21	M117	X	1.739	1.739	0	%100
22	M117	Z	3.013	3.013	0	%100
23	M119	X	1.815	1.815	0	%100
24	M119	Z	3.144	3.144	0	%100
25	M124	X	1.834	1.834	0	%100
26	M124	Z	3.177	3.177	0	%100
27	M125	X	0	0	0	%100
28	M125	Z	0	0	0	%100
29	M126	X	0	0	0	%100
30	M126	Z	0	0	0	%100
31	M127	X	0	0	0	%100
32	M127	Z	0	0	0	%100
33	M130	X	1.284	1.284	0	%100
34	M130	Z	2.223	2.223	0	%100
35	M131	X	1.284	1.284	0	%100
36	M131	Z	2.223	2.223	0	%100
37	M135	X	2.285	2.285	0	%100
38	M135	Z	3.958	3.958	0	%100
39	M136	X	1.739	1.739	0	%100
40	M136	Z	3.013	3.013	0	%100
41	M138	X	1.815	1.815	0	%100
42	M138	Z	3.144	3.144	0	%100
43	M140	X	2.285	2.285	0	%100
44	M140	Z	3.958	3.958	0	%100
45	M141	X	1.739	1.739	0	%100
46	M141	Z	3.013	3.013	0	%100
47	M143	X	1.815	1.815	0	%100
48	M143	Z	3.144	3.144	0	%100
49	M148	X	.459	.459	0	%100
50	M148	Z	.794	.794	0	%100
51	M149	X	1.116	1.116	0	%100
52	M149	Z	1.934	1.934	0	%100
53	M150	X	1.116	1.116	0	%100
54	M150	Z	1.934	1.934	0	%100
55	M151	X	1.741	1.741	0	%100
56	M151	Z	3.016	3.016	0	%100
57	M154	X	1.284	1.284	0	%100
58	M154	Z	2.223	2.223	0	%100
59	M155	X	0	0	0	%100
60	M155	Z	0	0	0	%100
61	M159	X	.571	.571	0	%100
62	M159	Z	.989	.989	0	%100
63	M160	X	1.739	1.739	0	%100
64	M160	Z	3.013	3.013	0	%100
65	M162	X	1.815	1.815	0	%100
66	M162	Z	3.144	3.144	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,%]
67	M164	X	.571	.571	0	%100
68	M164	Z	.989	.989	0	%100
69	M165	X	0	0	0	%100
70	M165	Z	0	0	0	%100
71	M167	X	0	0	0	%100
72	M167	Z	0	0	0	%100
73	M172	X	1.363	1.363	0	%100
74	M172	Z	2.361	2.361	0	%100
75	MP1A	X	1.469	1.469	0	%100
76	MP1A	Z	2.545	2.545	0	%100
77	MP3A	X	1.624	1.624	0	%100
78	MP3A	Z	2.813	2.813	0	%100
79	MP2A	X	1.469	1.469	0	%100
80	MP2A	Z	2.545	2.545	0	%100
81	MP4A	X	1.469	1.469	0	%100
82	MP4A	Z	2.545	2.545	0	%100
83	M82	X	0	0	0	%100
84	M82	Z	0	0	0	%100
85	M91	X	1.363	1.363	0	%100
86	M91	Z	2.361	2.361	0	%100
87	OVP PIPE	X	1.202	1.202	0	%100
88	OVP PIPE	Z	2.081	2.081	0	%100
89	M102A	X	1.218	1.218	0	%100
90	M102A	Z	2.11	2.11	0	%100
91	M107A	X	0	0	0	%100
92	M107A	Z	0	0	0	%100
93	M112A	X	1.218	1.218	0	%100
94	M112A	Z	2.11	2.11	0	%100
95	M123A	X	0	0	0	%100
96	M123A	Z	0	0	0	%100
97	M124A	X	1.313	1.313	0	%100
98	M124A	Z	2.274	2.274	0	%100
99	M125A	X	1.313	1.313	0	%100
100	M125A	Z	2.274	2.274	0	%100
101	MP1C	X	1.469	1.469	0	%100
102	MP1C	Z	2.545	2.545	0	%100
103	MP3C	X	1.624	1.624	0	%100
104	MP3C	Z	2.813	2.813	0	%100
105	MP2C	X	1.469	1.469	0	%100
106	MP2C	Z	2.545	2.545	0	%100
107	MP4C	X	1.469	1.469	0	%100
108	MP4C	Z	2.545	2.545	0	%100
109	MP1B	X	1.469	1.469	0	%100
110	MP1B	Z	2.545	2.545	0	%100
111	MP3B	X	1.624	1.624	0	%100
112	MP3B	Z	2.813	2.813	0	%100
113	MP2B	X	1.469	1.469	0	%100
114	MP2B	Z	2.545	2.545	0	%100
115	MP4B	X	1.469	1.469	0	%100
116	MP4B	Z	2.545	2.545	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	M100	X	0	0	0	%100
2	M100	Z	0	0	0	%100
3	M101	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,%]
4	M101	Z	2.977	2.977	0	%100
5	M102	X	0	0	0	%100
6	M102	Z	2.977	2.977	0	%100
7	M103	X	0	0	0	%100
8	M103	Z	4.644	4.644	0	%100
9	M106	X	0	0	0	%100
10	M106	Z	.856	.856	0	%100
11	M107	X	0	0	0	%100
12	M107	Z	.856	.856	0	%100
13	M111	X	0	0	0	%100
14	M111	Z	0	0	0	%100
15	M112	X	0	0	0	%100
16	M112	Z	1.16	1.16	0	%100
17	M114	X	0	0	0	%100
18	M114	Z	1.21	1.21	0	%100
19	M116	X	0	0	0	%100
20	M116	Z	0	0	0	%100
21	M117	X	0	0	0	%100
22	M117	Z	1.16	1.16	0	%100
23	M119	X	0	0	0	%100
24	M119	Z	1.21	1.21	0	%100
25	M124	X	0	0	0	%100
26	M124	Z	2.752	2.752	0	%100
27	M125	X	0	0	0	%100
28	M125	Z	.744	.744	0	%100
29	M126	X	0	0	0	%100
30	M126	Z	.744	.744	0	%100
31	M127	X	0	0	0	%100
32	M127	Z	1.161	1.161	0	%100
33	M130	X	0	0	0	%100
34	M130	Z	.856	.856	0	%100
35	M131	X	0	0	0	%100
36	M131	Z	3.423	3.423	0	%100
37	M135	X	0	0	0	%100
38	M135	Z	3.427	3.427	0	%100
39	M136	X	0	0	0	%100
40	M136	Z	1.16	1.16	0	%100
41	M138	X	0	0	0	%100
42	M138	Z	1.21	1.21	0	%100
43	M140	X	0	0	0	%100
44	M140	Z	3.427	3.427	0	%100
45	M141	X	0	0	0	%100
46	M141	Z	4.639	4.639	0	%100
47	M143	X	0	0	0	%100
48	M143	Z	4.84	4.84	0	%100
49	M148	X	0	0	0	%100
50	M148	Z	2.752	2.752	0	%100
51	M149	X	0	0	0	%100
52	M149	Z	.744	.744	0	%100
53	M150	X	0	0	0	%100
54	M150	Z	.744	.744	0	%100
55	M151	X	0	0	0	%100
56	M151	Z	1.161	1.161	0	%100
57	M154	X	0	0	0	%100
58	M154	Z	3.423	3.423	0	%100
59	M155	X	0	0	0	%100
60	M155	Z	.856	.856	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,%]
61	M159	X	0	0	0	%100
62	M159	Z	3.427	3.427	0	%100
63	M160	X	0	0	0	%100
64	M160	Z	4.639	4.639	0	%100
65	M162	X	0	0	0	%100
66	M162	Z	4.84	4.84	0	%100
67	M164	X	0	0	0	%100
68	M164	Z	3.427	3.427	0	%100
69	M165	X	0	0	0	%100
70	M165	Z	1.16	1.16	0	%100
71	M167	X	0	0	0	%100
72	M167	Z	1.21	1.21	0	%100
73	M172	X	0	0	0	%100
74	M172	Z	3.635	3.635	0	%100
75	MP1A	X	0	0	0	%100
76	MP1A	Z	2.939	2.939	0	%100
77	MP3A	X	0	0	0	%100
78	MP3A	Z	3.248	3.248	0	%100
79	MP2A	X	0	0	0	%100
80	MP2A	Z	2.939	2.939	0	%100
81	MP4A	X	0	0	0	%100
82	MP4A	Z	2.939	2.939	0	%100
83	M82	X	0	0	0	%100
84	M82	Z	.909	.909	0	%100
85	M91	X	0	0	0	%100
86	M91	Z	.909	.909	0	%100
87	OVP PIPE	X	0	0	0	%100
88	OVP PIPE	Z	2.403	2.403	0	%100
89	M102A	X	0	0	0	%100
90	M102A	Z	3.248	3.248	0	%100
91	M107A	X	0	0	0	%100
92	M107A	Z	.812	.812	0	%100
93	M112A	X	0	0	0	%100
94	M112A	Z	.812	.812	0	%100
95	M123A	X	0	0	0	%100
96	M123A	Z	.875	.875	0	%100
97	M124A	X	0	0	0	%100
98	M124A	Z	.875	.875	0	%100
99	M125A	X	0	0	0	%100
100	M125A	Z	3.501	3.501	0	%100
101	MP1C	X	0	0	0	%100
102	MP1C	Z	2.939	2.939	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	3.248	3.248	0	%100
105	MP2C	X	0	0	0	%100
106	MP2C	Z	2.939	2.939	0	%100
107	MP4C	X	0	0	0	%100
108	MP4C	Z	2.939	2.939	0	%100
109	MP1B	X	0	0	0	%100
110	MP1B	Z	2.939	2.939	0	%100
111	MP3B	X	0	0	0	%100
112	MP3B	Z	3.248	3.248	0	%100
113	MP2B	X	0	0	0	%100
114	MP2B	Z	2.939	2.939	0	%100
115	MP4B	X	0	0	0	%100
116	MP4B	Z	2.939	2.939	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	M100	X	-.459	-.459	0	%100
2	M100	Z	.794	.794	0	%100
3	M101	X	-1.116	-1.116	0	%100
4	M101	Z	1.934	1.934	0	%100
5	M102	X	-1.116	-1.116	0	%100
6	M102	Z	1.934	1.934	0	%100
7	M103	X	-1.741	-1.741	0	%100
8	M103	Z	3.016	3.016	0	%100
9	M106	X	-1.284	-1.284	0	%100
10	M106	Z	2.223	2.223	0	%100
11	M107	X	0	0	0	%100
12	M107	Z	0	0	0	%100
13	M111	X	-.571	-.571	0	%100
14	M111	Z	.989	.989	0	%100
15	M112	X	-1.739	-1.739	0	%100
16	M112	Z	3.013	3.013	0	%100
17	M114	X	-1.815	-1.815	0	%100
18	M114	Z	3.144	3.144	0	%100
19	M116	X	-.571	-.571	0	%100
20	M116	Z	.989	.989	0	%100
21	M117	X	0	0	0	%100
22	M117	Z	0	0	0	%100
23	M119	X	0	0	0	%100
24	M119	Z	0	0	0	%100
25	M124	X	-.459	-.459	0	%100
26	M124	Z	.794	.794	0	%100
27	M125	X	-1.116	-1.116	0	%100
28	M125	Z	1.934	1.934	0	%100
29	M126	X	-1.116	-1.116	0	%100
30	M126	Z	1.934	1.934	0	%100
31	M127	X	-1.741	-1.741	0	%100
32	M127	Z	3.016	3.016	0	%100
33	M130	X	0	0	0	%100
34	M130	Z	0	0	0	%100
35	M131	X	-1.284	-1.284	0	%100
36	M131	Z	2.223	2.223	0	%100
37	M135	X	-.571	-.571	0	%100
38	M135	Z	.989	.989	0	%100
39	M136	X	0	0	0	%100
40	M136	Z	0	0	0	%100
41	M138	X	0	0	0	%100
42	M138	Z	0	0	0	%100
43	M140	X	-.571	-.571	0	%100
44	M140	Z	.989	.989	0	%100
45	M141	X	-1.739	-1.739	0	%100
46	M141	Z	3.013	3.013	0	%100
47	M143	X	-1.815	-1.815	0	%100
48	M143	Z	3.144	3.144	0	%100
49	M148	X	-1.834	-1.834	0	%100
50	M148	Z	3.177	3.177	0	%100
51	M149	X	0	0	0	%100
52	M149	Z	0	0	0	%100
53	M150	X	0	0	0	%100
54	M150	Z	0	0	0	%100
55	M151	X	0	0	0	%100
56	M151	Z	0	0	0	%100
57	M154	X	-1.284	-1.284	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,%]
58	M154	Z	2.223	2.223	0	%100
59	M155	X	-1.284	-1.284	0	%100
60	M155	Z	2.223	2.223	0	%100
61	M159	X	-2.285	-2.285	0	%100
62	M159	Z	3.958	3.958	0	%100
63	M160	X	-1.739	-1.739	0	%100
64	M160	Z	3.013	3.013	0	%100
65	M162	X	-1.815	-1.815	0	%100
66	M162	Z	3.144	3.144	0	%100
67	M164	X	-2.285	-2.285	0	%100
68	M164	Z	3.958	3.958	0	%100
69	M165	X	-1.739	-1.739	0	%100
70	M165	Z	3.013	3.013	0	%100
71	M167	X	-1.815	-1.815	0	%100
72	M167	Z	3.144	3.144	0	%100
73	M172	X	-1.363	-1.363	0	%100
74	M172	Z	2.361	2.361	0	%100
75	MP1A	X	-1.469	-1.469	0	%100
76	MP1A	Z	2.545	2.545	0	%100
77	MP3A	X	-1.624	-1.624	0	%100
78	MP3A	Z	2.813	2.813	0	%100
79	MP2A	X	-1.469	-1.469	0	%100
80	MP2A	Z	2.545	2.545	0	%100
81	MP4A	X	-1.469	-1.469	0	%100
82	MP4A	Z	2.545	2.545	0	%100
83	M82	X	-1.363	-1.363	0	%100
84	M82	Z	2.361	2.361	0	%100
85	M91	X	0	0	0	%100
86	M91	Z	0	0	0	%100
87	OVP PIPE	X	-1.202	-1.202	0	%100
88	OVP PIPE	Z	2.081	2.081	0	%100
89	M102A	X	-1.218	-1.218	0	%100
90	M102A	Z	2.11	2.11	0	%100
91	M107A	X	-1.218	-1.218	0	%100
92	M107A	Z	2.11	2.11	0	%100
93	M112A	X	0	0	0	%100
94	M112A	Z	0	0	0	%100
95	M123A	X	-1.313	-1.313	0	%100
96	M123A	Z	2.274	2.274	0	%100
97	M124A	X	0	0	0	%100
98	M124A	Z	0	0	0	%100
99	M125A	X	-1.313	-1.313	0	%100
100	M125A	Z	2.274	2.274	0	%100
101	MP1C	X	-1.469	-1.469	0	%100
102	MP1C	Z	2.545	2.545	0	%100
103	MP3C	X	-1.624	-1.624	0	%100
104	MP3C	Z	2.813	2.813	0	%100
105	MP2C	X	-1.469	-1.469	0	%100
106	MP2C	Z	2.545	2.545	0	%100
107	MP4C	X	-1.469	-1.469	0	%100
108	MP4C	Z	2.545	2.545	0	%100
109	MP1B	X	-1.469	-1.469	0	%100
110	MP1B	Z	2.545	2.545	0	%100
111	MP3B	X	-1.624	-1.624	0	%100
112	MP3B	Z	2.813	2.813	0	%100
113	MP2B	X	-1.469	-1.469	0	%100
114	MP2B	Z	2.545	2.545	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,%]
115	MP4B	X	-1.469	-1.469	0	%100
116	MP4B	Z	2.545	2.545	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	M100	X	-2.383	-2.383	0	%100
2	M100	Z	1.376	1.376	0	%100
3	M101	X	-.645	-.645	0	%100
4	M101	Z	.372	.372	0	%100
5	M102	X	-.645	-.645	0	%100
6	M102	Z	.372	.372	0	%100
7	M103	X	-1.005	-1.005	0	%100
8	M103	Z	.58	.58	0	%100
9	M106	X	-2.964	-2.964	0	%100
10	M106	Z	1.711	1.711	0	%100
11	M107	X	-.741	-.741	0	%100
12	M107	Z	.428	.428	0	%100
13	M111	X	-2.968	-2.968	0	%100
14	M111	Z	1.714	1.714	0	%100
15	M112	X	-4.017	-4.017	0	%100
16	M112	Z	2.319	2.319	0	%100
17	M114	X	-4.192	-4.192	0	%100
18	M114	Z	2.42	2.42	0	%100
19	M116	X	-2.968	-2.968	0	%100
20	M116	Z	1.714	1.714	0	%100
21	M117	X	-1.004	-1.004	0	%100
22	M117	Z	.58	.58	0	%100
23	M119	X	-1.048	-1.048	0	%100
24	M119	Z	.605	.605	0	%100
25	M124	X	0	0	0	%100
26	M124	Z	0	0	0	%100
27	M125	X	-2.578	-2.578	0	%100
28	M125	Z	1.488	1.488	0	%100
29	M126	X	-2.578	-2.578	0	%100
30	M126	Z	1.488	1.488	0	%100
31	M127	X	-4.022	-4.022	0	%100
32	M127	Z	2.322	2.322	0	%100
33	M130	X	-.741	-.741	0	%100
34	M130	Z	.428	.428	0	%100
35	M131	X	-.741	-.741	0	%100
36	M131	Z	.428	.428	0	%100
37	M135	X	0	0	0	%100
38	M135	Z	0	0	0	%100
39	M136	X	-1.004	-1.004	0	%100
40	M136	Z	.58	.58	0	%100
41	M138	X	-1.048	-1.048	0	%100
42	M138	Z	.605	.605	0	%100
43	M140	X	0	0	0	%100
44	M140	Z	0	0	0	%100
45	M141	X	-1.004	-1.004	0	%100
46	M141	Z	.58	.58	0	%100
47	M143	X	-1.048	-1.048	0	%100
48	M143	Z	.605	.605	0	%100
49	M148	X	-2.383	-2.383	0	%100
50	M148	Z	1.376	1.376	0	%100
51	M149	X	-.645	-.645	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,%]
52	M149	Z	.372	.372	0	%100
53	M150	X	-.645	-.645	0	%100
54	M150	Z	.372	.372	0	%100
55	M151	X	-1.005	-1.005	0	%100
56	M151	Z	.58	.58	0	%100
57	M154	X	-.741	-.741	0	%100
58	M154	Z	.428	.428	0	%100
59	M155	X	-2.964	-2.964	0	%100
60	M155	Z	1.711	1.711	0	%100
61	M159	X	-2.968	-2.968	0	%100
62	M159	Z	1.714	1.714	0	%100
63	M160	X	-1.004	-1.004	0	%100
64	M160	Z	.58	.58	0	%100
65	M162	X	-1.048	-1.048	0	%100
66	M162	Z	.605	.605	0	%100
67	M164	X	-2.968	-2.968	0	%100
68	M164	Z	1.714	1.714	0	%100
69	M165	X	-4.017	-4.017	0	%100
70	M165	Z	2.319	2.319	0	%100
71	M167	X	-4.192	-4.192	0	%100
72	M167	Z	2.42	2.42	0	%100
73	M172	X	-.787	-.787	0	%100
74	M172	Z	.454	.454	0	%100
75	MP1A	X	-2.545	-2.545	0	%100
76	MP1A	Z	1.469	1.469	0	%100
77	MP3A	X	-2.813	-2.813	0	%100
78	MP3A	Z	1.624	1.624	0	%100
79	MP2A	X	-2.545	-2.545	0	%100
80	MP2A	Z	1.469	1.469	0	%100
81	MP4A	X	-2.545	-2.545	0	%100
82	MP4A	Z	1.469	1.469	0	%100
83	M82	X	-3.148	-3.148	0	%100
84	M82	Z	1.817	1.817	0	%100
85	M91	X	-.787	-.787	0	%100
86	M91	Z	.454	.454	0	%100
87	OVP PIPE	X	-2.081	-2.081	0	%100
88	OVP PIPE	Z	1.202	1.202	0	%100
89	M102A	X	-.703	-.703	0	%100
90	M102A	Z	.406	.406	0	%100
91	M107A	X	-2.813	-2.813	0	%100
92	M107A	Z	1.624	1.624	0	%100
93	M112A	X	-.703	-.703	0	%100
94	M112A	Z	.406	.406	0	%100
95	M123A	X	-3.032	-3.032	0	%100
96	M123A	Z	1.75	1.75	0	%100
97	M124A	X	-.758	-.758	0	%100
98	M124A	Z	.438	.438	0	%100
99	M125A	X	-.758	-.758	0	%100
100	M125A	Z	.438	.438	0	%100
101	MP1C	X	-2.545	-2.545	0	%100
102	MP1C	Z	1.469	1.469	0	%100
103	MP3C	X	-2.813	-2.813	0	%100
104	MP3C	Z	1.624	1.624	0	%100
105	MP2C	X	-2.545	-2.545	0	%100
106	MP2C	Z	1.469	1.469	0	%100
107	MP4C	X	-2.545	-2.545	0	%100
108	MP4C	Z	1.469	1.469	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,%]
109	MP1B	X	-2.545	-2.545	0	%100
110	MP1B	Z	1.469	1.469	0	%100
111	MP3B	X	-2.813	-2.813	0	%100
112	MP3B	Z	1.624	1.624	0	%100
113	MP2B	X	-2.545	-2.545	0	%100
114	MP2B	Z	1.469	1.469	0	%100
115	MP4B	X	-2.545	-2.545	0	%100
116	MP4B	Z	1.469	1.469	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	M100	X	-3.669	-3.669	0	%100
2	M100	Z	0	0	0	%100
3	M101	X	0	0	0	%100
4	M101	Z	0	0	0	%100
5	M102	X	0	0	0	%100
6	M102	Z	0	0	0	%100
7	M103	X	0	0	0	%100
8	M103	Z	0	0	0	%100
9	M106	X	-2.567	-2.567	0	%100
10	M106	Z	0	0	0	%100
11	M107	X	-2.567	-2.567	0	%100
12	M107	Z	0	0	0	%100
13	M111	X	-4.57	-4.57	0	%100
14	M111	Z	0	0	0	%100
15	M112	X	-3.479	-3.479	0	%100
16	M112	Z	0	0	0	%100
17	M114	X	-3.63	-3.63	0	%100
18	M114	Z	0	0	0	%100
19	M116	X	-4.57	-4.57	0	%100
20	M116	Z	0	0	0	%100
21	M117	X	-3.479	-3.479	0	%100
22	M117	Z	0	0	0	%100
23	M119	X	-3.63	-3.63	0	%100
24	M119	Z	0	0	0	%100
25	M124	X	-.917	-.917	0	%100
26	M124	Z	0	0	0	%100
27	M125	X	-2.233	-2.233	0	%100
28	M125	Z	0	0	0	%100
29	M126	X	-2.233	-2.233	0	%100
30	M126	Z	0	0	0	%100
31	M127	X	-3.483	-3.483	0	%100
32	M127	Z	0	0	0	%100
33	M130	X	-2.567	-2.567	0	%100
34	M130	Z	0	0	0	%100
35	M131	X	0	0	0	%100
36	M131	Z	0	0	0	%100
37	M135	X	-1.142	-1.142	0	%100
38	M135	Z	0	0	0	%100
39	M136	X	-3.479	-3.479	0	%100
40	M136	Z	0	0	0	%100
41	M138	X	-3.63	-3.63	0	%100
42	M138	Z	0	0	0	%100
43	M140	X	-1.142	-1.142	0	%100
44	M140	Z	0	0	0	%100
45	M141	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,%]
46	M141	Z	0	0	0	%100
47	M143	X	0	0	0	%100
48	M143	Z	0	0	0	%100
49	M148	X	-.917	-.917	0	%100
50	M148	Z	0	0	0	%100
51	M149	X	-2.233	-2.233	0	%100
52	M149	Z	0	0	0	%100
53	M150	X	-2.233	-2.233	0	%100
54	M150	Z	0	0	0	%100
55	M151	X	-3.483	-3.483	0	%100
56	M151	Z	0	0	0	%100
57	M154	X	0	0	0	%100
58	M154	Z	0	0	0	%100
59	M155	X	-2.567	-2.567	0	%100
60	M155	Z	0	0	0	%100
61	M159	X	-1.142	-1.142	0	%100
62	M159	Z	0	0	0	%100
63	M160	X	0	0	0	%100
64	M160	Z	0	0	0	%100
65	M162	X	0	0	0	%100
66	M162	Z	0	0	0	%100
67	M164	X	-1.142	-1.142	0	%100
68	M164	Z	0	0	0	%100
69	M165	X	-3.479	-3.479	0	%100
70	M165	Z	0	0	0	%100
71	M167	X	-3.63	-3.63	0	%100
72	M167	Z	0	0	0	%100
73	M172	X	0	0	0	%100
74	M172	Z	0	0	0	%100
75	MP1A	X	-2.939	-2.939	0	%100
76	MP1A	Z	0	0	0	%100
77	MP3A	X	-3.248	-3.248	0	%100
78	MP3A	Z	0	0	0	%100
79	MP2A	X	-2.939	-2.939	0	%100
80	MP2A	Z	0	0	0	%100
81	MP4A	X	-2.939	-2.939	0	%100
82	MP4A	Z	0	0	0	%100
83	M82	X	-2.726	-2.726	0	%100
84	M82	Z	0	0	0	%100
85	M91	X	-2.726	-2.726	0	%100
86	M91	Z	0	0	0	%100
87	OVP PIPE	X	-2.403	-2.403	0	%100
88	OVP PIPE	Z	0	0	0	%100
89	M102A	X	0	0	0	%100
90	M102A	Z	0	0	0	%100
91	M107A	X	-2.436	-2.436	0	%100
92	M107A	Z	0	0	0	%100
93	M112A	X	-2.436	-2.436	0	%100
94	M112A	Z	0	0	0	%100
95	M123A	X	-2.626	-2.626	0	%100
96	M123A	Z	0	0	0	%100
97	M124A	X	-2.626	-2.626	0	%100
98	M124A	Z	0	0	0	%100
99	M125A	X	0	0	0	%100
100	M125A	Z	0	0	0	%100
101	MP1C	X	-2.939	-2.939	0	%100
102	MP1C	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,%]
103	MP3C	X	-3.248	-3.248	0	%100
104	MP3C	Z	0	0	0	%100
105	MP2C	X	-2.939	-2.939	0	%100
106	MP2C	Z	0	0	0	%100
107	MP4C	X	-2.939	-2.939	0	%100
108	MP4C	Z	0	0	0	%100
109	MP1B	X	-2.939	-2.939	0	%100
110	MP1B	Z	0	0	0	%100
111	MP3B	X	-3.248	-3.248	0	%100
112	MP3B	Z	0	0	0	%100
113	MP2B	X	-2.939	-2.939	0	%100
114	MP2B	Z	0	0	0	%100
115	MP4B	X	-2.939	-2.939	0	%100
116	MP4B	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	M100	X	-2.383	-2.383	0	%100
2	M100	Z	-1.376	-1.376	0	%100
3	M101	X	-.645	-.645	0	%100
4	M101	Z	-.372	-.372	0	%100
5	M102	X	-.645	-.645	0	%100
6	M102	Z	-.372	-.372	0	%100
7	M103	X	-1.005	-1.005	0	%100
8	M103	Z	-.58	-.58	0	%100
9	M106	X	-.741	-.741	0	%100
10	M106	Z	-.428	-.428	0	%100
11	M107	X	-2.964	-2.964	0	%100
12	M107	Z	-1.711	-1.711	0	%100
13	M111	X	-2.968	-2.968	0	%100
14	M111	Z	-1.714	-1.714	0	%100
15	M112	X	-1.004	-1.004	0	%100
16	M112	Z	-.58	-.58	0	%100
17	M114	X	-1.048	-1.048	0	%100
18	M114	Z	-.605	-.605	0	%100
19	M116	X	-2.968	-2.968	0	%100
20	M116	Z	-1.714	-1.714	0	%100
21	M117	X	-4.017	-4.017	0	%100
22	M117	Z	-2.319	-2.319	0	%100
23	M119	X	-4.192	-4.192	0	%100
24	M119	Z	-2.42	-2.42	0	%100
25	M124	X	-2.383	-2.383	0	%100
26	M124	Z	-1.376	-1.376	0	%100
27	M125	X	-.645	-.645	0	%100
28	M125	Z	-.372	-.372	0	%100
29	M126	X	-.645	-.645	0	%100
30	M126	Z	-.372	-.372	0	%100
31	M127	X	-1.005	-1.005	0	%100
32	M127	Z	-.58	-.58	0	%100
33	M130	X	-2.964	-2.964	0	%100
34	M130	Z	-1.711	-1.711	0	%100
35	M131	X	-.741	-.741	0	%100
36	M131	Z	-.428	-.428	0	%100
37	M135	X	-2.968	-2.968	0	%100
38	M135	Z	-1.714	-1.714	0	%100
39	M136	X	-4.017	-4.017	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,%]
40	M136	Z	-2.319	-2.319	0	%100
41	M138	X	-4.192	-4.192	0	%100
42	M138	Z	-2.42	-2.42	0	%100
43	M140	X	-2.968	-2.968	0	%100
44	M140	Z	-1.714	-1.714	0	%100
45	M141	X	-1.004	-1.004	0	%100
46	M141	Z	-.58	-.58	0	%100
47	M143	X	-1.048	-1.048	0	%100
48	M143	Z	-.605	-.605	0	%100
49	M148	X	0	0	0	%100
50	M148	Z	0	0	0	%100
51	M149	X	-2.578	-2.578	0	%100
52	M149	Z	-1.488	-1.488	0	%100
53	M150	X	-2.578	-2.578	0	%100
54	M150	Z	-1.488	-1.488	0	%100
55	M151	X	-4.022	-4.022	0	%100
56	M151	Z	-2.322	-2.322	0	%100
57	M154	X	-.741	-.741	0	%100
58	M154	Z	-.428	-.428	0	%100
59	M155	X	-.741	-.741	0	%100
60	M155	Z	-.428	-.428	0	%100
61	M159	X	0	0	0	%100
62	M159	Z	0	0	0	%100
63	M160	X	-1.004	-1.004	0	%100
64	M160	Z	-.58	-.58	0	%100
65	M162	X	-1.048	-1.048	0	%100
66	M162	Z	-.605	-.605	0	%100
67	M164	X	0	0	0	%100
68	M164	Z	0	0	0	%100
69	M165	X	-1.004	-1.004	0	%100
70	M165	Z	-.58	-.58	0	%100
71	M167	X	-1.048	-1.048	0	%100
72	M167	Z	-.605	-.605	0	%100
73	M172	X	-.787	-.787	0	%100
74	M172	Z	-.454	-.454	0	%100
75	MP1A	X	-2.545	-2.545	0	%100
76	MP1A	Z	-1.469	-1.469	0	%100
77	MP3A	X	-2.813	-2.813	0	%100
78	MP3A	Z	-1.624	-1.624	0	%100
79	MP2A	X	-2.545	-2.545	0	%100
80	MP2A	Z	-1.469	-1.469	0	%100
81	MP4A	X	-2.545	-2.545	0	%100
82	MP4A	Z	-1.469	-1.469	0	%100
83	M82	X	-.787	-.787	0	%100
84	M82	Z	-.454	-.454	0	%100
85	M91	X	-3.148	-3.148	0	%100
86	M91	Z	-1.817	-1.817	0	%100
87	OVP PIPE	X	-2.081	-2.081	0	%100
88	OVP PIPE	Z	-1.202	-1.202	0	%100
89	M102A	X	-.703	-.703	0	%100
90	M102A	Z	-.406	-.406	0	%100
91	M107A	X	-.703	-.703	0	%100
92	M107A	Z	-.406	-.406	0	%100
93	M112A	X	-2.813	-2.813	0	%100
94	M112A	Z	-1.624	-1.624	0	%100
95	M123A	X	-.758	-.758	0	%100
96	M123A	Z	-.438	-.438	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,%]
97	M124A	X	-3.032	-3.032	0	%100
98	M124A	Z	-1.75	-1.75	0	%100
99	M125A	X	-.758	-.758	0	%100
100	M125A	Z	-.438	-.438	0	%100
101	MP1C	X	-2.545	-2.545	0	%100
102	MP1C	Z	-1.469	-1.469	0	%100
103	MP3C	X	-2.813	-2.813	0	%100
104	MP3C	Z	-1.624	-1.624	0	%100
105	MP2C	X	-2.545	-2.545	0	%100
106	MP2C	Z	-1.469	-1.469	0	%100
107	MP4C	X	-2.545	-2.545	0	%100
108	MP4C	Z	-1.469	-1.469	0	%100
109	MP1B	X	-2.545	-2.545	0	%100
110	MP1B	Z	-1.469	-1.469	0	%100
111	MP3B	X	-2.813	-2.813	0	%100
112	MP3B	Z	-1.624	-1.624	0	%100
113	MP2B	X	-2.545	-2.545	0	%100
114	MP2B	Z	-1.469	-1.469	0	%100
115	MP4B	X	-2.545	-2.545	0	%100
116	MP4B	Z	-1.469	-1.469	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	M100	X	-.459	-.459	0	%100
2	M100	Z	-.794	-.794	0	%100
3	M101	X	-1.116	-1.116	0	%100
4	M101	Z	-1.934	-1.934	0	%100
5	M102	X	-1.116	-1.116	0	%100
6	M102	Z	-1.934	-1.934	0	%100
7	M103	X	-1.741	-1.741	0	%100
8	M103	Z	-3.016	-3.016	0	%100
9	M106	X	0	0	0	%100
10	M106	Z	0	0	0	%100
11	M107	X	-1.284	-1.284	0	%100
12	M107	Z	-2.223	-2.223	0	%100
13	M111	X	-.571	-.571	0	%100
14	M111	Z	-.989	-.989	0	%100
15	M112	X	0	0	0	%100
16	M112	Z	0	0	0	%100
17	M114	X	0	0	0	%100
18	M114	Z	0	0	0	%100
19	M116	X	-.571	-.571	0	%100
20	M116	Z	-.989	-.989	0	%100
21	M117	X	-1.739	-1.739	0	%100
22	M117	Z	-3.013	-3.013	0	%100
23	M119	X	-1.815	-1.815	0	%100
24	M119	Z	-3.144	-3.144	0	%100
25	M124	X	-1.834	-1.834	0	%100
26	M124	Z	-3.177	-3.177	0	%100
27	M125	X	0	0	0	%100
28	M125	Z	0	0	0	%100
29	M126	X	0	0	0	%100
30	M126	Z	0	0	0	%100
31	M127	X	0	0	0	%100
32	M127	Z	0	0	0	%100
33	M130	X	-1.284	-1.284	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,%]
34	M130	Z	-2.223	-2.223	0	%100
35	M131	X	-1.284	-1.284	0	%100
36	M131	Z	-2.223	-2.223	0	%100
37	M135	X	-2.285	-2.285	0	%100
38	M135	Z	-3.958	-3.958	0	%100
39	M136	X	-1.739	-1.739	0	%100
40	M136	Z	-3.013	-3.013	0	%100
41	M138	X	-1.815	-1.815	0	%100
42	M138	Z	-3.144	-3.144	0	%100
43	M140	X	-2.285	-2.285	0	%100
44	M140	Z	-3.958	-3.958	0	%100
45	M141	X	-1.739	-1.739	0	%100
46	M141	Z	-3.013	-3.013	0	%100
47	M143	X	-1.815	-1.815	0	%100
48	M143	Z	-3.144	-3.144	0	%100
49	M148	X	-.459	-.459	0	%100
50	M148	Z	-.794	-.794	0	%100
51	M149	X	-1.116	-1.116	0	%100
52	M149	Z	-1.934	-1.934	0	%100
53	M150	X	-1.116	-1.116	0	%100
54	M150	Z	-1.934	-1.934	0	%100
55	M151	X	-1.741	-1.741	0	%100
56	M151	Z	-3.016	-3.016	0	%100
57	M154	X	-1.284	-1.284	0	%100
58	M154	Z	-2.223	-2.223	0	%100
59	M155	X	0	0	0	%100
60	M155	Z	0	0	0	%100
61	M159	X	-.571	-.571	0	%100
62	M159	Z	-.989	-.989	0	%100
63	M160	X	-1.739	-1.739	0	%100
64	M160	Z	-3.013	-3.013	0	%100
65	M162	X	-1.815	-1.815	0	%100
66	M162	Z	-3.144	-3.144	0	%100
67	M164	X	-.571	-.571	0	%100
68	M164	Z	-.989	-.989	0	%100
69	M165	X	0	0	0	%100
70	M165	Z	0	0	0	%100
71	M167	X	0	0	0	%100
72	M167	Z	0	0	0	%100
73	M172	X	-1.363	-1.363	0	%100
74	M172	Z	-2.361	-2.361	0	%100
75	MP1A	X	-1.469	-1.469	0	%100
76	MP1A	Z	-2.545	-2.545	0	%100
77	MP3A	X	-1.624	-1.624	0	%100
78	MP3A	Z	-2.813	-2.813	0	%100
79	MP2A	X	-1.469	-1.469	0	%100
80	MP2A	Z	-2.545	-2.545	0	%100
81	MP4A	X	-1.469	-1.469	0	%100
82	MP4A	Z	-2.545	-2.545	0	%100
83	M82	X	0	0	0	%100
84	M82	Z	0	0	0	%100
85	M91	X	-1.363	-1.363	0	%100
86	M91	Z	-2.361	-2.361	0	%100
87	OVP PIPE	X	-1.202	-1.202	0	%100
88	OVP PIPE	Z	-2.081	-2.081	0	%100
89	M102A	X	-1.218	-1.218	0	%100
90	M102A	Z	-2.11	-2.11	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,%]
91	M107A	X	0	0	0	%100
92	M107A	Z	0	0	0	%100
93	M112A	X	-1.218	-1.218	0	%100
94	M112A	Z	-2.11	-2.11	0	%100
95	M123A	X	0	0	0	%100
96	M123A	Z	0	0	0	%100
97	M124A	X	-1.313	-1.313	0	%100
98	M124A	Z	-2.274	-2.274	0	%100
99	M125A	X	-1.313	-1.313	0	%100
100	M125A	Z	-2.274	-2.274	0	%100
101	MP1C	X	-1.469	-1.469	0	%100
102	MP1C	Z	-2.545	-2.545	0	%100
103	MP3C	X	-1.624	-1.624	0	%100
104	MP3C	Z	-2.813	-2.813	0	%100
105	MP2C	X	-1.469	-1.469	0	%100
106	MP2C	Z	-2.545	-2.545	0	%100
107	MP4C	X	-1.469	-1.469	0	%100
108	MP4C	Z	-2.545	-2.545	0	%100
109	MP1B	X	-1.469	-1.469	0	%100
110	MP1B	Z	-2.545	-2.545	0	%100
111	MP3B	X	-1.624	-1.624	0	%100
112	MP3B	Z	-2.813	-2.813	0	%100
113	MP2B	X	-1.469	-1.469	0	%100
114	MP2B	Z	-2.545	-2.545	0	%100
115	MP4B	X	-1.469	-1.469	0	%100
116	MP4B	Z	-2.545	-2.545	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	M100	X	0	0	0	%100
2	M100	Z	0	0	0	%100
3	M101	X	0	0	0	%100
4	M101	Z	-.67	-.67	0	%100
5	M102	X	0	0	0	%100
6	M102	Z	-.67	-.67	0	%100
7	M103	X	0	0	0	%100
8	M103	Z	-1.337	-1.337	0	%100
9	M106	X	0	0	0	%100
10	M106	Z	-.186	-.186	0	%100
11	M107	X	0	0	0	%100
12	M107	Z	-.186	-.186	0	%100
13	M111	X	0	0	0	%100
14	M111	Z	0	0	0	%100
15	M112	X	0	0	0	%100
16	M112	Z	-.34	-.34	0	%100
17	M114	X	0	0	0	%100
18	M114	Z	-.358	-.358	0	%100
19	M116	X	0	0	0	%100
20	M116	Z	0	0	0	%100
21	M117	X	0	0	0	%100
22	M117	Z	-.34	-.34	0	%100
23	M119	X	0	0	0	%100
24	M119	Z	-.358	-.358	0	%100
25	M124	X	0	0	0	%100
26	M124	Z	-.594	-.594	0	%100
27	M125	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,%]
28	M125	Z	-.168	-.168	0	%100
29	M126	X	0	0	0	%100
30	M126	Z	-.168	-.168	0	%100
31	M127	X	0	0	0	%100
32	M127	Z	-.334	-.334	0	%100
33	M130	X	0	0	0	%100
34	M130	Z	-.186	-.186	0	%100
35	M131	X	0	0	0	%100
36	M131	Z	-.742	-.742	0	%100
37	M135	X	0	0	0	%100
38	M135	Z	-1.003	-1.003	0	%100
39	M136	X	0	0	0	%100
40	M136	Z	-.34	-.34	0	%100
41	M138	X	0	0	0	%100
42	M138	Z	-.358	-.358	0	%100
43	M140	X	0	0	0	%100
44	M140	Z	-1.003	-1.003	0	%100
45	M141	X	0	0	0	%100
46	M141	Z	-1.361	-1.361	0	%100
47	M143	X	0	0	0	%100
48	M143	Z	-1.434	-1.434	0	%100
49	M148	X	0	0	0	%100
50	M148	Z	-.594	-.594	0	%100
51	M149	X	0	0	0	%100
52	M149	Z	-.168	-.168	0	%100
53	M150	X	0	0	0	%100
54	M150	Z	-.168	-.168	0	%100
55	M151	X	0	0	0	%100
56	M151	Z	-.334	-.334	0	%100
57	M154	X	0	0	0	%100
58	M154	Z	-.742	-.742	0	%100
59	M155	X	0	0	0	%100
60	M155	Z	-.186	-.186	0	%100
61	M159	X	0	0	0	%100
62	M159	Z	-1.003	-1.003	0	%100
63	M160	X	0	0	0	%100
64	M160	Z	-1.361	-1.361	0	%100
65	M162	X	0	0	0	%100
66	M162	Z	-1.434	-1.434	0	%100
67	M164	X	0	0	0	%100
68	M164	Z	-1.003	-1.003	0	%100
69	M165	X	0	0	0	%100
70	M165	Z	-.34	-.34	0	%100
71	M167	X	0	0	0	%100
72	M167	Z	-.358	-.358	0	%100
73	M172	X	0	0	0	%100
74	M172	Z	-.78	-.78	0	%100
75	MP1A	X	0	0	0	%100
76	MP1A	Z	-.529	-.529	0	%100
77	MP3A	X	0	0	0	%100
78	MP3A	Z	-.64	-.64	0	%100
79	MP2A	X	0	0	0	%100
80	MP2A	Z	-.529	-.529	0	%100
81	MP4A	X	0	0	0	%100
82	MP4A	Z	-.529	-.529	0	%100
83	M82	X	0	0	0	%100
84	M82	Z	-.195	-.195	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,%]
85	M91	X	0	0	0	%100
86	M91	Z	-.195	-.195	0	%100
87	OVP PIPE	X	0	0	0	%100
88	OVP PIPE	Z	-.433	-.433	0	%100
89	M102A	X	0	0	0	%100
90	M102A	Z	-.64	-.64	0	%100
91	M107A	X	0	0	0	%100
92	M107A	Z	-.16	-.16	0	%100
93	M112A	X	0	0	0	%100
94	M112A	Z	-.16	-.16	0	%100
95	M123A	X	0	0	0	%100
96	M123A	Z	-.211	-.211	0	%100
97	M124A	X	0	0	0	%100
98	M124A	Z	-.211	-.211	0	%100
99	M125A	X	0	0	0	%100
100	M125A	Z	-.846	-.846	0	%100
101	MP1C	X	0	0	0	%100
102	MP1C	Z	-.529	-.529	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	-.64	-.64	0	%100
105	MP2C	X	0	0	0	%100
106	MP2C	Z	-.529	-.529	0	%100
107	MP4C	X	0	0	0	%100
108	MP4C	Z	-.529	-.529	0	%100
109	MP1B	X	0	0	0	%100
110	MP1B	Z	-.529	-.529	0	%100
111	MP3B	X	0	0	0	%100
112	MP3B	Z	-.64	-.64	0	%100
113	MP2B	X	0	0	0	%100
114	MP2B	Z	-.529	-.529	0	%100
115	MP4B	X	0	0	0	%100
116	MP4B	Z	-.529	-.529	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	M100	X	.099	.099	0	%100
2	M100	Z	-.171	-.171	0	%100
3	M101	X	.251	.251	0	%100
4	M101	Z	-.435	-.435	0	%100
5	M102	X	.251	.251	0	%100
6	M102	Z	-.435	-.435	0	%100
7	M103	X	.501	.501	0	%100
8	M103	Z	-.868	-.868	0	%100
9	M106	X	.278	.278	0	%100
10	M106	Z	-.482	-.482	0	%100
11	M107	X	0	0	0	%100
12	M107	Z	0	0	0	%100
13	M111	X	.167	.167	0	%100
14	M111	Z	-.289	-.289	0	%100
15	M112	X	.511	.511	0	%100
16	M112	Z	-.884	-.884	0	%100
17	M114	X	.538	.538	0	%100
18	M114	Z	-.931	-.931	0	%100
19	M116	X	.167	.167	0	%100
20	M116	Z	-.289	-.289	0	%100
21	M117	X	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,%]
22	M117	Z	0	0	0	%100
23	M119	X	0	0	0	%100
24	M119	Z	0	0	0	%100
25	M124	X	.099	.099	0	%100
26	M124	Z	-.171	-.171	0	%100
27	M125	X	.251	.251	0	%100
28	M125	Z	-.435	-.435	0	%100
29	M126	X	.251	.251	0	%100
30	M126	Z	-.435	-.435	0	%100
31	M127	X	.501	.501	0	%100
32	M127	Z	-.868	-.868	0	%100
33	M130	X	0	0	0	%100
34	M130	Z	0	0	0	%100
35	M131	X	.278	.278	0	%100
36	M131	Z	-.482	-.482	0	%100
37	M135	X	.167	.167	0	%100
38	M135	Z	-.289	-.289	0	%100
39	M136	X	0	0	0	%100
40	M136	Z	0	0	0	%100
41	M138	X	0	0	0	%100
42	M138	Z	0	0	0	%100
43	M140	X	.167	.167	0	%100
44	M140	Z	-.289	-.289	0	%100
45	M141	X	.511	.511	0	%100
46	M141	Z	-.884	-.884	0	%100
47	M143	X	.538	.538	0	%100
48	M143	Z	-.931	-.931	0	%100
49	M148	X	.396	.396	0	%100
50	M148	Z	-.686	-.686	0	%100
51	M149	X	0	0	0	%100
52	M149	Z	0	0	0	%100
53	M150	X	0	0	0	%100
54	M150	Z	0	0	0	%100
55	M151	X	0	0	0	%100
56	M151	Z	0	0	0	%100
57	M154	X	.278	.278	0	%100
58	M154	Z	-.482	-.482	0	%100
59	M155	X	.278	.278	0	%100
60	M155	Z	-.482	-.482	0	%100
61	M159	X	.668	.668	0	%100
62	M159	Z	-1.158	-1.158	0	%100
63	M160	X	.511	.511	0	%100
64	M160	Z	-.884	-.884	0	%100
65	M162	X	.538	.538	0	%100
66	M162	Z	-.931	-.931	0	%100
67	M164	X	.668	.668	0	%100
68	M164	Z	-1.158	-1.158	0	%100
69	M165	X	.511	.511	0	%100
70	M165	Z	-.884	-.884	0	%100
71	M167	X	.538	.538	0	%100
72	M167	Z	-.931	-.931	0	%100
73	M172	X	.292	.292	0	%100
74	M172	Z	-.506	-.506	0	%100
75	MP1A	X	.265	.265	0	%100
76	MP1A	Z	-.458	-.458	0	%100
77	MP3A	X	.32	.32	0	%100
78	MP3A	Z	-.555	-.555	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,%]
79	MP2A	X	.265	.265	0	%100
80	MP2A	Z	-.458	-.458	0	%100
81	MP4A	X	.265	.265	0	%100
82	MP4A	Z	-.458	-.458	0	%100
83	M82	X	.292	.292	0	%100
84	M82	Z	-.506	-.506	0	%100
85	M91	X	0	0	0	%100
86	M91	Z	0	0	0	%100
87	OVP PIPE	X	.216	.216	0	%100
88	OVP PIPE	Z	-.375	-.375	0	%100
89	M102A	X	.24	.24	0	%100
90	M102A	Z	-.416	-.416	0	%100
91	M107A	X	.24	.24	0	%100
92	M107A	Z	-.416	-.416	0	%100
93	M112A	X	0	0	0	%100
94	M112A	Z	0	0	0	%100
95	M123A	X	.317	.317	0	%100
96	M123A	Z	-.549	-.549	0	%100
97	M124A	X	0	0	0	%100
98	M124A	Z	0	0	0	%100
99	M125A	X	.317	.317	0	%100
100	M125A	Z	-.549	-.549	0	%100
101	MP1C	X	.265	.265	0	%100
102	MP1C	Z	-.458	-.458	0	%100
103	MP3C	X	.32	.32	0	%100
104	MP3C	Z	-.555	-.555	0	%100
105	MP2C	X	.265	.265	0	%100
106	MP2C	Z	-.458	-.458	0	%100
107	MP4C	X	.265	.265	0	%100
108	MP4C	Z	-.458	-.458	0	%100
109	MP1B	X	.265	.265	0	%100
110	MP1B	Z	-.458	-.458	0	%100
111	MP3B	X	.32	.32	0	%100
112	MP3B	Z	-.555	-.555	0	%100
113	MP2B	X	.265	.265	0	%100
114	MP2B	Z	-.458	-.458	0	%100
115	MP4B	X	.265	.265	0	%100
116	MP4B	Z	-.458	-.458	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	M100	X	.514	.514	0	%100
2	M100	Z	-.297	-.297	0	%100
3	M101	X	.145	.145	0	%100
4	M101	Z	-.084	-.084	0	%100
5	M102	X	.145	.145	0	%100
6	M102	Z	-.084	-.084	0	%100
7	M103	X	.289	.289	0	%100
8	M103	Z	-.167	-.167	0	%100
9	M106	X	.643	.643	0	%100
10	M106	Z	-.371	-.371	0	%100
11	M107	X	.161	.161	0	%100
12	M107	Z	-.093	-.093	0	%100
13	M111	X	.868	.868	0	%100
14	M111	Z	-.501	-.501	0	%100
15	M112	X	1.179	1.179	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,%]
16	M112	Z	-.681	-.681	0	%100
17	M114	X	1.242	1.242	0	%100
18	M114	Z	-.717	-.717	0	%100
19	M116	X	.868	.868	0	%100
20	M116	Z	-.501	-.501	0	%100
21	M117	X	.295	.295	0	%100
22	M117	Z	-.17	-.17	0	%100
23	M119	X	.31	.31	0	%100
24	M119	Z	-.179	-.179	0	%100
25	M124	X	0	0	0	%100
26	M124	Z	0	0	0	%100
27	M125	X	.58	.58	0	%100
28	M125	Z	-.335	-.335	0	%100
29	M126	X	.58	.58	0	%100
30	M126	Z	-.335	-.335	0	%100
31	M127	X	1.158	1.158	0	%100
32	M127	Z	-.668	-.668	0	%100
33	M130	X	.161	.161	0	%100
34	M130	Z	-.093	-.093	0	%100
35	M131	X	.161	.161	0	%100
36	M131	Z	-.093	-.093	0	%100
37	M135	X	0	0	0	%100
38	M135	Z	0	0	0	%100
39	M136	X	.295	.295	0	%100
40	M136	Z	-.17	-.17	0	%100
41	M138	X	.31	.31	0	%100
42	M138	Z	-.179	-.179	0	%100
43	M140	X	0	0	0	%100
44	M140	Z	0	0	0	%100
45	M141	X	.295	.295	0	%100
46	M141	Z	-.17	-.17	0	%100
47	M143	X	.31	.31	0	%100
48	M143	Z	-.179	-.179	0	%100
49	M148	X	.514	.514	0	%100
50	M148	Z	-.297	-.297	0	%100
51	M149	X	.145	.145	0	%100
52	M149	Z	-.084	-.084	0	%100
53	M150	X	.145	.145	0	%100
54	M150	Z	-.084	-.084	0	%100
55	M151	X	.289	.289	0	%100
56	M151	Z	-.167	-.167	0	%100
57	M154	X	.161	.161	0	%100
58	M154	Z	-.093	-.093	0	%100
59	M155	X	.643	.643	0	%100
60	M155	Z	-.371	-.371	0	%100
61	M159	X	.868	.868	0	%100
62	M159	Z	-.501	-.501	0	%100
63	M160	X	.295	.295	0	%100
64	M160	Z	-.17	-.17	0	%100
65	M162	X	.31	.31	0	%100
66	M162	Z	-.179	-.179	0	%100
67	M164	X	.868	.868	0	%100
68	M164	Z	-.501	-.501	0	%100
69	M165	X	1.179	1.179	0	%100
70	M165	Z	-.681	-.681	0	%100
71	M167	X	1.242	1.242	0	%100
72	M167	Z	-.717	-.717	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,%]
73	M172	X	.169	.169	0	%100
74	M172	Z	-.097	-.097	0	%100
75	MP1A	X	.458	.458	0	%100
76	MP1A	Z	-.265	-.265	0	%100
77	MP3A	X	.555	.555	0	%100
78	MP3A	Z	-.32	-.32	0	%100
79	MP2A	X	.458	.458	0	%100
80	MP2A	Z	-.265	-.265	0	%100
81	MP4A	X	.458	.458	0	%100
82	MP4A	Z	-.265	-.265	0	%100
83	M82	X	.675	.675	0	%100
84	M82	Z	-.39	-.39	0	%100
85	M91	X	.169	.169	0	%100
86	M91	Z	-.097	-.097	0	%100
87	OVP PIPE	X	.375	.375	0	%100
88	OVP PIPE	Z	-.216	-.216	0	%100
89	M102A	X	.139	.139	0	%100
90	M102A	Z	-.08	-.08	0	%100
91	M107A	X	.555	.555	0	%100
92	M107A	Z	-.32	-.32	0	%100
93	M112A	X	.139	.139	0	%100
94	M112A	Z	-.08	-.08	0	%100
95	M123A	X	.732	.732	0	%100
96	M123A	Z	-.423	-.423	0	%100
97	M124A	X	.183	.183	0	%100
98	M124A	Z	-.106	-.106	0	%100
99	M125A	X	.183	.183	0	%100
100	M125A	Z	-.106	-.106	0	%100
101	MP1C	X	.458	.458	0	%100
102	MP1C	Z	-.265	-.265	0	%100
103	MP3C	X	.555	.555	0	%100
104	MP3C	Z	-.32	-.32	0	%100
105	MP2C	X	.458	.458	0	%100
106	MP2C	Z	-.265	-.265	0	%100
107	MP4C	X	.458	.458	0	%100
108	MP4C	Z	-.265	-.265	0	%100
109	MP1B	X	.458	.458	0	%100
110	MP1B	Z	-.265	-.265	0	%100
111	MP3B	X	.555	.555	0	%100
112	MP3B	Z	-.32	-.32	0	%100
113	MP2B	X	.458	.458	0	%100
114	MP2B	Z	-.265	-.265	0	%100
115	MP4B	X	.458	.458	0	%100
116	MP4B	Z	-.265	-.265	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	M100	X	.792	.792	0	%100
2	M100	Z	0	0	0	%100
3	M101	X	0	0	0	%100
4	M101	Z	0	0	0	%100
5	M102	X	0	0	0	%100
6	M102	Z	0	0	0	%100
7	M103	X	0	0	0	%100
8	M103	Z	0	0	0	%100
9	M106	X	.557	.557	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,%]
10	M106	Z	0	0	0	%100
11	M107	X	.557	.557	0	%100
12	M107	Z	0	0	0	%100
13	M111	X	1.337	1.337	0	%100
14	M111	Z	0	0	0	%100
15	M112	X	1.021	1.021	0	%100
16	M112	Z	0	0	0	%100
17	M114	X	1.075	1.075	0	%100
18	M114	Z	0	0	0	%100
19	M116	X	1.337	1.337	0	%100
20	M116	Z	0	0	0	%100
21	M117	X	1.021	1.021	0	%100
22	M117	Z	0	0	0	%100
23	M119	X	1.075	1.075	0	%100
24	M119	Z	0	0	0	%100
25	M124	X	.198	.198	0	%100
26	M124	Z	0	0	0	%100
27	M125	X	.503	.503	0	%100
28	M125	Z	0	0	0	%100
29	M126	X	.503	.503	0	%100
30	M126	Z	0	0	0	%100
31	M127	X	1.003	1.003	0	%100
32	M127	Z	0	0	0	%100
33	M130	X	.557	.557	0	%100
34	M130	Z	0	0	0	%100
35	M131	X	0	0	0	%100
36	M131	Z	0	0	0	%100
37	M135	X	.334	.334	0	%100
38	M135	Z	0	0	0	%100
39	M136	X	1.021	1.021	0	%100
40	M136	Z	0	0	0	%100
41	M138	X	1.075	1.075	0	%100
42	M138	Z	0	0	0	%100
43	M140	X	.334	.334	0	%100
44	M140	Z	0	0	0	%100
45	M141	X	0	0	0	%100
46	M141	Z	0	0	0	%100
47	M143	X	0	0	0	%100
48	M143	Z	0	0	0	%100
49	M148	X	.198	.198	0	%100
50	M148	Z	0	0	0	%100
51	M149	X	.503	.503	0	%100
52	M149	Z	0	0	0	%100
53	M150	X	.503	.503	0	%100
54	M150	Z	0	0	0	%100
55	M151	X	1.003	1.003	0	%100
56	M151	Z	0	0	0	%100
57	M154	X	0	0	0	%100
58	M154	Z	0	0	0	%100
59	M155	X	.557	.557	0	%100
60	M155	Z	0	0	0	%100
61	M159	X	.334	.334	0	%100
62	M159	Z	0	0	0	%100
63	M160	X	0	0	0	%100
64	M160	Z	0	0	0	%100
65	M162	X	0	0	0	%100
66	M162	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,%]
67	M164	X	.334	.334	0	%100
68	M164	Z	0	0	0	%100
69	M165	X	1.021	1.021	0	%100
70	M165	Z	0	0	0	%100
71	M167	X	1.075	1.075	0	%100
72	M167	Z	0	0	0	%100
73	M172	X	0	0	0	%100
74	M172	Z	0	0	0	%100
75	MP1A	X	.529	.529	0	%100
76	MP1A	Z	0	0	0	%100
77	MP3A	X	.64	.64	0	%100
78	MP3A	Z	0	0	0	%100
79	MP2A	X	.529	.529	0	%100
80	MP2A	Z	0	0	0	%100
81	MP4A	X	.529	.529	0	%100
82	MP4A	Z	0	0	0	%100
83	M82	X	.585	.585	0	%100
84	M82	Z	0	0	0	%100
85	M91	X	.585	.585	0	%100
86	M91	Z	0	0	0	%100
87	OVP PIPE	X	.433	.433	0	%100
88	OVP PIPE	Z	0	0	0	%100
89	M102A	X	0	0	0	%100
90	M102A	Z	0	0	0	%100
91	M107A	X	.48	.48	0	%100
92	M107A	Z	0	0	0	%100
93	M112A	X	.48	.48	0	%100
94	M112A	Z	0	0	0	%100
95	M123A	X	.634	.634	0	%100
96	M123A	Z	0	0	0	%100
97	M124A	X	.634	.634	0	%100
98	M124A	Z	0	0	0	%100
99	M125A	X	0	0	0	%100
100	M125A	Z	0	0	0	%100
101	MP1C	X	.529	.529	0	%100
102	MP1C	Z	0	0	0	%100
103	MP3C	X	.64	.64	0	%100
104	MP3C	Z	0	0	0	%100
105	MP2C	X	.529	.529	0	%100
106	MP2C	Z	0	0	0	%100
107	MP4C	X	.529	.529	0	%100
108	MP4C	Z	0	0	0	%100
109	MP1B	X	.529	.529	0	%100
110	MP1B	Z	0	0	0	%100
111	MP3B	X	.64	.64	0	%100
112	MP3B	Z	0	0	0	%100
113	MP2B	X	.529	.529	0	%100
114	MP2B	Z	0	0	0	%100
115	MP4B	X	.529	.529	0	%100
116	MP4B	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	M100	X	.514	.514	0	%100
2	M100	Z	.297	.297	0	%100
3	M101	X	.145	.145	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,%]
4	M101	Z	.084	.084	0	%100
5	M102	X	.145	.145	0	%100
6	M102	Z	.084	.084	0	%100
7	M103	X	.289	.289	0	%100
8	M103	Z	.167	.167	0	%100
9	M106	X	.161	.161	0	%100
10	M106	Z	.093	.093	0	%100
11	M107	X	.643	.643	0	%100
12	M107	Z	.371	.371	0	%100
13	M111	X	.868	.868	0	%100
14	M111	Z	.501	.501	0	%100
15	M112	X	.295	.295	0	%100
16	M112	Z	.17	.17	0	%100
17	M114	X	.31	.31	0	%100
18	M114	Z	.179	.179	0	%100
19	M116	X	.868	.868	0	%100
20	M116	Z	.501	.501	0	%100
21	M117	X	1.179	1.179	0	%100
22	M117	Z	.681	.681	0	%100
23	M119	X	1.242	1.242	0	%100
24	M119	Z	.717	.717	0	%100
25	M124	X	.514	.514	0	%100
26	M124	Z	.297	.297	0	%100
27	M125	X	.145	.145	0	%100
28	M125	Z	.084	.084	0	%100
29	M126	X	.145	.145	0	%100
30	M126	Z	.084	.084	0	%100
31	M127	X	.289	.289	0	%100
32	M127	Z	.167	.167	0	%100
33	M130	X	.643	.643	0	%100
34	M130	Z	.371	.371	0	%100
35	M131	X	.161	.161	0	%100
36	M131	Z	.093	.093	0	%100
37	M135	X	.868	.868	0	%100
38	M135	Z	.501	.501	0	%100
39	M136	X	1.179	1.179	0	%100
40	M136	Z	.681	.681	0	%100
41	M138	X	1.242	1.242	0	%100
42	M138	Z	.717	.717	0	%100
43	M140	X	.868	.868	0	%100
44	M140	Z	.501	.501	0	%100
45	M141	X	.295	.295	0	%100
46	M141	Z	.17	.17	0	%100
47	M143	X	.31	.31	0	%100
48	M143	Z	.179	.179	0	%100
49	M148	X	0	0	0	%100
50	M148	Z	0	0	0	%100
51	M149	X	.58	.58	0	%100
52	M149	Z	.335	.335	0	%100
53	M150	X	.58	.58	0	%100
54	M150	Z	.335	.335	0	%100
55	M151	X	1.158	1.158	0	%100
56	M151	Z	.668	.668	0	%100
57	M154	X	.161	.161	0	%100
58	M154	Z	.093	.093	0	%100
59	M155	X	.161	.161	0	%100
60	M155	Z	.093	.093	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,%]
61	M159	X	0	0	0	%100
62	M159	Z	0	0	0	%100
63	M160	X	.295	.295	0	%100
64	M160	Z	.17	.17	0	%100
65	M162	X	.31	.31	0	%100
66	M162	Z	.179	.179	0	%100
67	M164	X	0	0	0	%100
68	M164	Z	0	0	0	%100
69	M165	X	.295	.295	0	%100
70	M165	Z	.17	.17	0	%100
71	M167	X	.31	.31	0	%100
72	M167	Z	.179	.179	0	%100
73	M172	X	.169	.169	0	%100
74	M172	Z	.097	.097	0	%100
75	MP1A	X	.458	.458	0	%100
76	MP1A	Z	.265	.265	0	%100
77	MP3A	X	.555	.555	0	%100
78	MP3A	Z	.32	.32	0	%100
79	MP2A	X	.458	.458	0	%100
80	MP2A	Z	.265	.265	0	%100
81	MP4A	X	.458	.458	0	%100
82	MP4A	Z	.265	.265	0	%100
83	M82	X	.169	.169	0	%100
84	M82	Z	.097	.097	0	%100
85	M91	X	.675	.675	0	%100
86	M91	Z	.39	.39	0	%100
87	OVP PIPE	X	.375	.375	0	%100
88	OVP PIPE	Z	.216	.216	0	%100
89	M102A	X	.139	.139	0	%100
90	M102A	Z	.08	.08	0	%100
91	M107A	X	.139	.139	0	%100
92	M107A	Z	.08	.08	0	%100
93	M112A	X	.555	.555	0	%100
94	M112A	Z	.32	.32	0	%100
95	M123A	X	.183	.183	0	%100
96	M123A	Z	.106	.106	0	%100
97	M124A	X	.732	.732	0	%100
98	M124A	Z	.423	.423	0	%100
99	M125A	X	.183	.183	0	%100
100	M125A	Z	.106	.106	0	%100
101	MP1C	X	.458	.458	0	%100
102	MP1C	Z	.265	.265	0	%100
103	MP3C	X	.555	.555	0	%100
104	MP3C	Z	.32	.32	0	%100
105	MP2C	X	.458	.458	0	%100
106	MP2C	Z	.265	.265	0	%100
107	MP4C	X	.458	.458	0	%100
108	MP4C	Z	.265	.265	0	%100
109	MP1B	X	.458	.458	0	%100
110	MP1B	Z	.265	.265	0	%100
111	MP3B	X	.555	.555	0	%100
112	MP3B	Z	.32	.32	0	%100
113	MP2B	X	.458	.458	0	%100
114	MP2B	Z	.265	.265	0	%100
115	MP4B	X	.458	.458	0	%100
116	MP4B	Z	.265	.265	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	M100	X	.099	.099	0	%100
2	M100	Z	.171	.171	0	%100
3	M101	X	.251	.251	0	%100
4	M101	Z	.435	.435	0	%100
5	M102	X	.251	.251	0	%100
6	M102	Z	.435	.435	0	%100
7	M103	X	.501	.501	0	%100
8	M103	Z	.868	.868	0	%100
9	M106	X	0	0	0	%100
10	M106	Z	0	0	0	%100
11	M107	X	.278	.278	0	%100
12	M107	Z	.482	.482	0	%100
13	M111	X	.167	.167	0	%100
14	M111	Z	.289	.289	0	%100
15	M112	X	0	0	0	%100
16	M112	Z	0	0	0	%100
17	M114	X	0	0	0	%100
18	M114	Z	0	0	0	%100
19	M116	X	.167	.167	0	%100
20	M116	Z	.289	.289	0	%100
21	M117	X	.511	.511	0	%100
22	M117	Z	.884	.884	0	%100
23	M119	X	.538	.538	0	%100
24	M119	Z	.931	.931	0	%100
25	M124	X	.396	.396	0	%100
26	M124	Z	.686	.686	0	%100
27	M125	X	0	0	0	%100
28	M125	Z	0	0	0	%100
29	M126	X	0	0	0	%100
30	M126	Z	0	0	0	%100
31	M127	X	0	0	0	%100
32	M127	Z	0	0	0	%100
33	M130	X	.278	.278	0	%100
34	M130	Z	.482	.482	0	%100
35	M131	X	.278	.278	0	%100
36	M131	Z	.482	.482	0	%100
37	M135	X	.668	.668	0	%100
38	M135	Z	1.158	1.158	0	%100
39	M136	X	.511	.511	0	%100
40	M136	Z	.884	.884	0	%100
41	M138	X	.538	.538	0	%100
42	M138	Z	.931	.931	0	%100
43	M140	X	.668	.668	0	%100
44	M140	Z	1.158	1.158	0	%100
45	M141	X	.511	.511	0	%100
46	M141	Z	.884	.884	0	%100
47	M143	X	.538	.538	0	%100
48	M143	Z	.931	.931	0	%100
49	M148	X	.099	.099	0	%100
50	M148	Z	.171	.171	0	%100
51	M149	X	.251	.251	0	%100
52	M149	Z	.435	.435	0	%100
53	M150	X	.251	.251	0	%100
54	M150	Z	.435	.435	0	%100
55	M151	X	.501	.501	0	%100
56	M151	Z	.868	.868	0	%100
57	M154	X	.278	.278	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,%]
58	M154	Z	.482	.482	0	%100
59	M155	X	0	0	0	%100
60	M155	Z	0	0	0	%100
61	M159	X	.167	.167	0	%100
62	M159	Z	.289	.289	0	%100
63	M160	X	.511	.511	0	%100
64	M160	Z	.884	.884	0	%100
65	M162	X	.538	.538	0	%100
66	M162	Z	.931	.931	0	%100
67	M164	X	.167	.167	0	%100
68	M164	Z	.289	.289	0	%100
69	M165	X	0	0	0	%100
70	M165	Z	0	0	0	%100
71	M167	X	0	0	0	%100
72	M167	Z	0	0	0	%100
73	M172	X	.292	.292	0	%100
74	M172	Z	.506	.506	0	%100
75	MP1A	X	.265	.265	0	%100
76	MP1A	Z	.458	.458	0	%100
77	MP3A	X	.32	.32	0	%100
78	MP3A	Z	.555	.555	0	%100
79	MP2A	X	.265	.265	0	%100
80	MP2A	Z	.458	.458	0	%100
81	MP4A	X	.265	.265	0	%100
82	MP4A	Z	.458	.458	0	%100
83	M82	X	0	0	0	%100
84	M82	Z	0	0	0	%100
85	M91	X	.292	.292	0	%100
86	M91	Z	.506	.506	0	%100
87	OVP PIPE	X	.216	.216	0	%100
88	OVP PIPE	Z	.375	.375	0	%100
89	M102A	X	.24	.24	0	%100
90	M102A	Z	.416	.416	0	%100
91	M107A	X	0	0	0	%100
92	M107A	Z	0	0	0	%100
93	M112A	X	.24	.24	0	%100
94	M112A	Z	.416	.416	0	%100
95	M123A	X	0	0	0	%100
96	M123A	Z	0	0	0	%100
97	M124A	X	.317	.317	0	%100
98	M124A	Z	.549	.549	0	%100
99	M125A	X	.317	.317	0	%100
100	M125A	Z	.549	.549	0	%100
101	MP1C	X	.265	.265	0	%100
102	MP1C	Z	.458	.458	0	%100
103	MP3C	X	.32	.32	0	%100
104	MP3C	Z	.555	.555	0	%100
105	MP2C	X	.265	.265	0	%100
106	MP2C	Z	.458	.458	0	%100
107	MP4C	X	.265	.265	0	%100
108	MP4C	Z	.458	.458	0	%100
109	MP1B	X	.265	.265	0	%100
110	MP1B	Z	.458	.458	0	%100
111	MP3B	X	.32	.32	0	%100
112	MP3B	Z	.555	.555	0	%100
113	MP2B	X	.265	.265	0	%100
114	MP2B	Z	.458	.458	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,%]
115	MP4B	X	.265	.265	0	%100
116	MP4B	Z	.458	.458	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	M100	X	0	0	0	%100
2	M100	Z	0	0	0	%100
3	M101	X	0	0	0	%100
4	M101	Z	.67	.67	0	%100
5	M102	X	0	0	0	%100
6	M102	Z	.67	.67	0	%100
7	M103	X	0	0	0	%100
8	M103	Z	1.337	1.337	0	%100
9	M106	X	0	0	0	%100
10	M106	Z	.186	.186	0	%100
11	M107	X	0	0	0	%100
12	M107	Z	.186	.186	0	%100
13	M111	X	0	0	0	%100
14	M111	Z	0	0	0	%100
15	M112	X	0	0	0	%100
16	M112	Z	.34	.34	0	%100
17	M114	X	0	0	0	%100
18	M114	Z	.358	.358	0	%100
19	M116	X	0	0	0	%100
20	M116	Z	0	0	0	%100
21	M117	X	0	0	0	%100
22	M117	Z	.34	.34	0	%100
23	M119	X	0	0	0	%100
24	M119	Z	.358	.358	0	%100
25	M124	X	0	0	0	%100
26	M124	Z	.594	.594	0	%100
27	M125	X	0	0	0	%100
28	M125	Z	.168	.168	0	%100
29	M126	X	0	0	0	%100
30	M126	Z	.168	.168	0	%100
31	M127	X	0	0	0	%100
32	M127	Z	.334	.334	0	%100
33	M130	X	0	0	0	%100
34	M130	Z	.186	.186	0	%100
35	M131	X	0	0	0	%100
36	M131	Z	.742	.742	0	%100
37	M135	X	0	0	0	%100
38	M135	Z	1.003	1.003	0	%100
39	M136	X	0	0	0	%100
40	M136	Z	.34	.34	0	%100
41	M138	X	0	0	0	%100
42	M138	Z	.358	.358	0	%100
43	M140	X	0	0	0	%100
44	M140	Z	1.003	1.003	0	%100
45	M141	X	0	0	0	%100
46	M141	Z	1.361	1.361	0	%100
47	M143	X	0	0	0	%100
48	M143	Z	1.434	1.434	0	%100
49	M148	X	0	0	0	%100
50	M148	Z	.594	.594	0	%100
51	M149	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,%]
52	M149	Z	.168	.168	0	%100
53	M150	X	0	0	0	%100
54	M150	Z	.168	.168	0	%100
55	M151	X	0	0	0	%100
56	M151	Z	.334	.334	0	%100
57	M154	X	0	0	0	%100
58	M154	Z	.742	.742	0	%100
59	M155	X	0	0	0	%100
60	M155	Z	.186	.186	0	%100
61	M159	X	0	0	0	%100
62	M159	Z	1.003	1.003	0	%100
63	M160	X	0	0	0	%100
64	M160	Z	1.361	1.361	0	%100
65	M162	X	0	0	0	%100
66	M162	Z	1.434	1.434	0	%100
67	M164	X	0	0	0	%100
68	M164	Z	1.003	1.003	0	%100
69	M165	X	0	0	0	%100
70	M165	Z	.34	.34	0	%100
71	M167	X	0	0	0	%100
72	M167	Z	.358	.358	0	%100
73	M172	X	0	0	0	%100
74	M172	Z	.78	.78	0	%100
75	MP1A	X	0	0	0	%100
76	MP1A	Z	.529	.529	0	%100
77	MP3A	X	0	0	0	%100
78	MP3A	Z	.64	.64	0	%100
79	MP2A	X	0	0	0	%100
80	MP2A	Z	.529	.529	0	%100
81	MP4A	X	0	0	0	%100
82	MP4A	Z	.529	.529	0	%100
83	M82	X	0	0	0	%100
84	M82	Z	.195	.195	0	%100
85	M91	X	0	0	0	%100
86	M91	Z	.195	.195	0	%100
87	OVP PIPE	X	0	0	0	%100
88	OVP PIPE	Z	.433	.433	0	%100
89	M102A	X	0	0	0	%100
90	M102A	Z	.64	.64	0	%100
91	M107A	X	0	0	0	%100
92	M107A	Z	.16	.16	0	%100
93	M112A	X	0	0	0	%100
94	M112A	Z	.16	.16	0	%100
95	M123A	X	0	0	0	%100
96	M123A	Z	.211	.211	0	%100
97	M124A	X	0	0	0	%100
98	M124A	Z	.211	.211	0	%100
99	M125A	X	0	0	0	%100
100	M125A	Z	.846	.846	0	%100
101	MP1C	X	0	0	0	%100
102	MP1C	Z	.529	.529	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	.64	.64	0	%100
105	MP2C	X	0	0	0	%100
106	MP2C	Z	.529	.529	0	%100
107	MP4C	X	0	0	0	%100
108	MP4C	Z	.529	.529	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,%]
109	MP1B	X	0	0	0	%100
110	MP1B	Z	.529	.529	0	%100
111	MP3B	X	0	0	0	%100
112	MP3B	Z	.64	.64	0	%100
113	MP2B	X	0	0	0	%100
114	MP2B	Z	.529	.529	0	%100
115	MP4B	X	0	0	0	%100
116	MP4B	Z	.529	.529	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	M100	X	-.099	-.099	0	%100
2	M100	Z	.171	.171	0	%100
3	M101	X	-.251	-.251	0	%100
4	M101	Z	.435	.435	0	%100
5	M102	X	-.251	-.251	0	%100
6	M102	Z	.435	.435	0	%100
7	M103	X	-.501	-.501	0	%100
8	M103	Z	.868	.868	0	%100
9	M106	X	-.278	-.278	0	%100
10	M106	Z	.482	.482	0	%100
11	M107	X	0	0	0	%100
12	M107	Z	0	0	0	%100
13	M111	X	-.167	-.167	0	%100
14	M111	Z	.289	.289	0	%100
15	M112	X	-.511	-.511	0	%100
16	M112	Z	.884	.884	0	%100
17	M114	X	-.538	-.538	0	%100
18	M114	Z	.931	.931	0	%100
19	M116	X	-.167	-.167	0	%100
20	M116	Z	.289	.289	0	%100
21	M117	X	0	0	0	%100
22	M117	Z	0	0	0	%100
23	M119	X	0	0	0	%100
24	M119	Z	0	0	0	%100
25	M124	X	-.099	-.099	0	%100
26	M124	Z	.171	.171	0	%100
27	M125	X	-.251	-.251	0	%100
28	M125	Z	.435	.435	0	%100
29	M126	X	-.251	-.251	0	%100
30	M126	Z	.435	.435	0	%100
31	M127	X	-.501	-.501	0	%100
32	M127	Z	.868	.868	0	%100
33	M130	X	0	0	0	%100
34	M130	Z	0	0	0	%100
35	M131	X	-.278	-.278	0	%100
36	M131	Z	.482	.482	0	%100
37	M135	X	-.167	-.167	0	%100
38	M135	Z	.289	.289	0	%100
39	M136	X	0	0	0	%100
40	M136	Z	0	0	0	%100
41	M138	X	0	0	0	%100
42	M138	Z	0	0	0	%100
43	M140	X	-.167	-.167	0	%100
44	M140	Z	.289	.289	0	%100
45	M141	X	-.511	-.511	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,%]
46	M141	Z	.884	.884	0	%100
47	M143	X	-.538	-.538	0	%100
48	M143	Z	.931	.931	0	%100
49	M148	X	-.396	-.396	0	%100
50	M148	Z	.686	.686	0	%100
51	M149	X	0	0	0	%100
52	M149	Z	0	0	0	%100
53	M150	X	0	0	0	%100
54	M150	Z	0	0	0	%100
55	M151	X	0	0	0	%100
56	M151	Z	0	0	0	%100
57	M154	X	-.278	-.278	0	%100
58	M154	Z	.482	.482	0	%100
59	M155	X	-.278	-.278	0	%100
60	M155	Z	.482	.482	0	%100
61	M159	X	-.668	-.668	0	%100
62	M159	Z	1.158	1.158	0	%100
63	M160	X	-.511	-.511	0	%100
64	M160	Z	.884	.884	0	%100
65	M162	X	-.538	-.538	0	%100
66	M162	Z	.931	.931	0	%100
67	M164	X	-.668	-.668	0	%100
68	M164	Z	1.158	1.158	0	%100
69	M165	X	-.511	-.511	0	%100
70	M165	Z	.884	.884	0	%100
71	M167	X	-.538	-.538	0	%100
72	M167	Z	.931	.931	0	%100
73	M172	X	-.292	-.292	0	%100
74	M172	Z	.506	.506	0	%100
75	MP1A	X	-.265	-.265	0	%100
76	MP1A	Z	.458	.458	0	%100
77	MP3A	X	-.32	-.32	0	%100
78	MP3A	Z	.555	.555	0	%100
79	MP2A	X	-.265	-.265	0	%100
80	MP2A	Z	.458	.458	0	%100
81	MP4A	X	-.265	-.265	0	%100
82	MP4A	Z	.458	.458	0	%100
83	M82	X	-.292	-.292	0	%100
84	M82	Z	.506	.506	0	%100
85	M91	X	0	0	0	%100
86	M91	Z	0	0	0	%100
87	OVP PIPE	X	-.216	-.216	0	%100
88	OVP PIPE	Z	.375	.375	0	%100
89	M102A	X	-.24	-.24	0	%100
90	M102A	Z	.416	.416	0	%100
91	M107A	X	-.24	-.24	0	%100
92	M107A	Z	.416	.416	0	%100
93	M112A	X	0	0	0	%100
94	M112A	Z	0	0	0	%100
95	M123A	X	-.317	-.317	0	%100
96	M123A	Z	.549	.549	0	%100
97	M124A	X	0	0	0	%100
98	M124A	Z	0	0	0	%100
99	M125A	X	-.317	-.317	0	%100
100	M125A	Z	.549	.549	0	%100
101	MP1C	X	-.265	-.265	0	%100
102	MP1C	Z	.458	.458	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,%]
103	MP3C	X	-.32	-.32	0	%100
104	MP3C	Z	.555	.555	0	%100
105	MP2C	X	-.265	-.265	0	%100
106	MP2C	Z	.458	.458	0	%100
107	MP4C	X	-.265	-.265	0	%100
108	MP4C	Z	.458	.458	0	%100
109	MP1B	X	-.265	-.265	0	%100
110	MP1B	Z	.458	.458	0	%100
111	MP3B	X	-.32	-.32	0	%100
112	MP3B	Z	.555	.555	0	%100
113	MP2B	X	-.265	-.265	0	%100
114	MP2B	Z	.458	.458	0	%100
115	MP4B	X	-.265	-.265	0	%100
116	MP4B	Z	.458	.458	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	M100	X	-.514	-.514	0	%100
2	M100	Z	.297	.297	0	%100
3	M101	X	-.145	-.145	0	%100
4	M101	Z	.084	.084	0	%100
5	M102	X	-.145	-.145	0	%100
6	M102	Z	.084	.084	0	%100
7	M103	X	-.289	-.289	0	%100
8	M103	Z	.167	.167	0	%100
9	M106	X	-.643	-.643	0	%100
10	M106	Z	.371	.371	0	%100
11	M107	X	-.161	-.161	0	%100
12	M107	Z	.093	.093	0	%100
13	M111	X	-.868	-.868	0	%100
14	M111	Z	.501	.501	0	%100
15	M112	X	-1.179	-1.179	0	%100
16	M112	Z	.681	.681	0	%100
17	M114	X	-1.242	-1.242	0	%100
18	M114	Z	.717	.717	0	%100
19	M116	X	-.868	-.868	0	%100
20	M116	Z	.501	.501	0	%100
21	M117	X	-.295	-.295	0	%100
22	M117	Z	.17	.17	0	%100
23	M119	X	-.31	-.31	0	%100
24	M119	Z	.179	.179	0	%100
25	M124	X	0	0	0	%100
26	M124	Z	0	0	0	%100
27	M125	X	-.58	-.58	0	%100
28	M125	Z	.335	.335	0	%100
29	M126	X	-.58	-.58	0	%100
30	M126	Z	.335	.335	0	%100
31	M127	X	-1.158	-1.158	0	%100
32	M127	Z	.668	.668	0	%100
33	M130	X	-.161	-.161	0	%100
34	M130	Z	.093	.093	0	%100
35	M131	X	-.161	-.161	0	%100
36	M131	Z	.093	.093	0	%100
37	M135	X	0	0	0	%100
38	M135	Z	0	0	0	%100
39	M136	X	-.295	-.295	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,%]
40	M136	Z	.17	.17	0	%100
41	M138	X	-.31	-.31	0	%100
42	M138	Z	.179	.179	0	%100
43	M140	X	0	0	0	%100
44	M140	Z	0	0	0	%100
45	M141	X	-.295	-.295	0	%100
46	M141	Z	.17	.17	0	%100
47	M143	X	-.31	-.31	0	%100
48	M143	Z	.179	.179	0	%100
49	M148	X	-.514	-.514	0	%100
50	M148	Z	.297	.297	0	%100
51	M149	X	-.145	-.145	0	%100
52	M149	Z	.084	.084	0	%100
53	M150	X	-.145	-.145	0	%100
54	M150	Z	.084	.084	0	%100
55	M151	X	-.289	-.289	0	%100
56	M151	Z	.167	.167	0	%100
57	M154	X	-.161	-.161	0	%100
58	M154	Z	.093	.093	0	%100
59	M155	X	-.643	-.643	0	%100
60	M155	Z	.371	.371	0	%100
61	M159	X	-.868	-.868	0	%100
62	M159	Z	.501	.501	0	%100
63	M160	X	-.295	-.295	0	%100
64	M160	Z	.17	.17	0	%100
65	M162	X	-.31	-.31	0	%100
66	M162	Z	.179	.179	0	%100
67	M164	X	-.868	-.868	0	%100
68	M164	Z	.501	.501	0	%100
69	M165	X	-1.179	-1.179	0	%100
70	M165	Z	.681	.681	0	%100
71	M167	X	-1.242	-1.242	0	%100
72	M167	Z	.717	.717	0	%100
73	M172	X	-.169	-.169	0	%100
74	M172	Z	.097	.097	0	%100
75	MP1A	X	-.458	-.458	0	%100
76	MP1A	Z	.265	.265	0	%100
77	MP3A	X	-.555	-.555	0	%100
78	MP3A	Z	.32	.32	0	%100
79	MP2A	X	-.458	-.458	0	%100
80	MP2A	Z	.265	.265	0	%100
81	MP4A	X	-.458	-.458	0	%100
82	MP4A	Z	.265	.265	0	%100
83	M82	X	-.675	-.675	0	%100
84	M82	Z	.39	.39	0	%100
85	M91	X	-.169	-.169	0	%100
86	M91	Z	.097	.097	0	%100
87	OVP PIPE	X	-.375	-.375	0	%100
88	OVP PIPE	Z	.216	.216	0	%100
89	M102A	X	-.139	-.139	0	%100
90	M102A	Z	.08	.08	0	%100
91	M107A	X	-.555	-.555	0	%100
92	M107A	Z	.32	.32	0	%100
93	M112A	X	-.139	-.139	0	%100
94	M112A	Z	.08	.08	0	%100
95	M123A	X	-.732	-.732	0	%100
96	M123A	Z	.423	.423	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,%]
97	M124A	X	-.183	-.183	0	%100
98	M124A	Z	.106	.106	0	%100
99	M125A	X	-.183	-.183	0	%100
100	M125A	Z	.106	.106	0	%100
101	MP1C	X	-.458	-.458	0	%100
102	MP1C	Z	.265	.265	0	%100
103	MP3C	X	-.555	-.555	0	%100
104	MP3C	Z	.32	.32	0	%100
105	MP2C	X	-.458	-.458	0	%100
106	MP2C	Z	.265	.265	0	%100
107	MP4C	X	-.458	-.458	0	%100
108	MP4C	Z	.265	.265	0	%100
109	MP1B	X	-.458	-.458	0	%100
110	MP1B	Z	.265	.265	0	%100
111	MP3B	X	-.555	-.555	0	%100
112	MP3B	Z	.32	.32	0	%100
113	MP2B	X	-.458	-.458	0	%100
114	MP2B	Z	.265	.265	0	%100
115	MP4B	X	-.458	-.458	0	%100
116	MP4B	Z	.265	.265	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	M100	X	-.792	-.792	0	%100
2	M100	Z	0	0	0	%100
3	M101	X	0	0	0	%100
4	M101	Z	0	0	0	%100
5	M102	X	0	0	0	%100
6	M102	Z	0	0	0	%100
7	M103	X	0	0	0	%100
8	M103	Z	0	0	0	%100
9	M106	X	-.557	-.557	0	%100
10	M106	Z	0	0	0	%100
11	M107	X	-.557	-.557	0	%100
12	M107	Z	0	0	0	%100
13	M111	X	-1.337	-1.337	0	%100
14	M111	Z	0	0	0	%100
15	M112	X	-1.021	-1.021	0	%100
16	M112	Z	0	0	0	%100
17	M114	X	-1.075	-1.075	0	%100
18	M114	Z	0	0	0	%100
19	M116	X	-1.337	-1.337	0	%100
20	M116	Z	0	0	0	%100
21	M117	X	-1.021	-1.021	0	%100
22	M117	Z	0	0	0	%100
23	M119	X	-1.075	-1.075	0	%100
24	M119	Z	0	0	0	%100
25	M124	X	-.198	-.198	0	%100
26	M124	Z	0	0	0	%100
27	M125	X	-.503	-.503	0	%100
28	M125	Z	0	0	0	%100
29	M126	X	-.503	-.503	0	%100
30	M126	Z	0	0	0	%100
31	M127	X	-1.003	-1.003	0	%100
32	M127	Z	0	0	0	%100
33	M130	X	-.557	-.557	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,%]
34	M130	Z	0	0	0	%100
35	M131	X	0	0	0	%100
36	M131	Z	0	0	0	%100
37	M135	X	-.334	-.334	0	%100
38	M135	Z	0	0	0	%100
39	M136	X	-1.021	-1.021	0	%100
40	M136	Z	0	0	0	%100
41	M138	X	-1.075	-1.075	0	%100
42	M138	Z	0	0	0	%100
43	M140	X	-.334	-.334	0	%100
44	M140	Z	0	0	0	%100
45	M141	X	0	0	0	%100
46	M141	Z	0	0	0	%100
47	M143	X	0	0	0	%100
48	M143	Z	0	0	0	%100
49	M148	X	-.198	-.198	0	%100
50	M148	Z	0	0	0	%100
51	M149	X	-.503	-.503	0	%100
52	M149	Z	0	0	0	%100
53	M150	X	-.503	-.503	0	%100
54	M150	Z	0	0	0	%100
55	M151	X	-1.003	-1.003	0	%100
56	M151	Z	0	0	0	%100
57	M154	X	0	0	0	%100
58	M154	Z	0	0	0	%100
59	M155	X	-.557	-.557	0	%100
60	M155	Z	0	0	0	%100
61	M159	X	-.334	-.334	0	%100
62	M159	Z	0	0	0	%100
63	M160	X	0	0	0	%100
64	M160	Z	0	0	0	%100
65	M162	X	0	0	0	%100
66	M162	Z	0	0	0	%100
67	M164	X	-.334	-.334	0	%100
68	M164	Z	0	0	0	%100
69	M165	X	-1.021	-1.021	0	%100
70	M165	Z	0	0	0	%100
71	M167	X	-1.075	-1.075	0	%100
72	M167	Z	0	0	0	%100
73	M172	X	0	0	0	%100
74	M172	Z	0	0	0	%100
75	MP1A	X	-.529	-.529	0	%100
76	MP1A	Z	0	0	0	%100
77	MP3A	X	-.64	-.64	0	%100
78	MP3A	Z	0	0	0	%100
79	MP2A	X	-.529	-.529	0	%100
80	MP2A	Z	0	0	0	%100
81	MP4A	X	-.529	-.529	0	%100
82	MP4A	Z	0	0	0	%100
83	M82	X	-.585	-.585	0	%100
84	M82	Z	0	0	0	%100
85	M91	X	-.585	-.585	0	%100
86	M91	Z	0	0	0	%100
87	OVP PIPE	X	-.433	-.433	0	%100
88	OVP PIPE	Z	0	0	0	%100
89	M102A	X	0	0	0	%100
90	M102A	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,%]
91	M107A	X	-.48	-.48	0	%100
92	M107A	Z	0	0	0	%100
93	M112A	X	-.48	-.48	0	%100
94	M112A	Z	0	0	0	%100
95	M123A	X	-.634	-.634	0	%100
96	M123A	Z	0	0	0	%100
97	M124A	X	-.634	-.634	0	%100
98	M124A	Z	0	0	0	%100
99	M125A	X	0	0	0	%100
100	M125A	Z	0	0	0	%100
101	MP1C	X	-.529	-.529	0	%100
102	MP1C	Z	0	0	0	%100
103	MP3C	X	-.64	-.64	0	%100
104	MP3C	Z	0	0	0	%100
105	MP2C	X	-.529	-.529	0	%100
106	MP2C	Z	0	0	0	%100
107	MP4C	X	-.529	-.529	0	%100
108	MP4C	Z	0	0	0	%100
109	MP1B	X	-.529	-.529	0	%100
110	MP1B	Z	0	0	0	%100
111	MP3B	X	-.64	-.64	0	%100
112	MP3B	Z	0	0	0	%100
113	MP2B	X	-.529	-.529	0	%100
114	MP2B	Z	0	0	0	%100
115	MP4B	X	-.529	-.529	0	%100
116	MP4B	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	M100	X	-.514	-.514	0	%100
2	M100	Z	-.297	-.297	0	%100
3	M101	X	-.145	-.145	0	%100
4	M101	Z	-.084	-.084	0	%100
5	M102	X	-.145	-.145	0	%100
6	M102	Z	-.084	-.084	0	%100
7	M103	X	-.289	-.289	0	%100
8	M103	Z	-.167	-.167	0	%100
9	M106	X	-.161	-.161	0	%100
10	M106	Z	-.093	-.093	0	%100
11	M107	X	-.643	-.643	0	%100
12	M107	Z	-.371	-.371	0	%100
13	M111	X	-.868	-.868	0	%100
14	M111	Z	-.501	-.501	0	%100
15	M112	X	-.295	-.295	0	%100
16	M112	Z	-.17	-.17	0	%100
17	M114	X	-.31	-.31	0	%100
18	M114	Z	-.179	-.179	0	%100
19	M116	X	-.868	-.868	0	%100
20	M116	Z	-.501	-.501	0	%100
21	M117	X	-1.179	-1.179	0	%100
22	M117	Z	-.681	-.681	0	%100
23	M119	X	-1.242	-1.242	0	%100
24	M119	Z	-.717	-.717	0	%100
25	M124	X	-.514	-.514	0	%100
26	M124	Z	-.297	-.297	0	%100
27	M125	X	-.145	-.145	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,%]
28	M125	Z	-.084	-.084	0	%100
29	M126	X	-.145	-.145	0	%100
30	M126	Z	-.084	-.084	0	%100
31	M127	X	-.289	-.289	0	%100
32	M127	Z	-.167	-.167	0	%100
33	M130	X	-.643	-.643	0	%100
34	M130	Z	-.371	-.371	0	%100
35	M131	X	-.161	-.161	0	%100
36	M131	Z	-.093	-.093	0	%100
37	M135	X	-.868	-.868	0	%100
38	M135	Z	-.501	-.501	0	%100
39	M136	X	-1.179	-1.179	0	%100
40	M136	Z	-.681	-.681	0	%100
41	M138	X	-1.242	-1.242	0	%100
42	M138	Z	-.717	-.717	0	%100
43	M140	X	-.868	-.868	0	%100
44	M140	Z	-.501	-.501	0	%100
45	M141	X	-.295	-.295	0	%100
46	M141	Z	-.17	-.17	0	%100
47	M143	X	-.31	-.31	0	%100
48	M143	Z	-.179	-.179	0	%100
49	M148	X	0	0	0	%100
50	M148	Z	0	0	0	%100
51	M149	X	-.58	-.58	0	%100
52	M149	Z	-.335	-.335	0	%100
53	M150	X	-.58	-.58	0	%100
54	M150	Z	-.335	-.335	0	%100
55	M151	X	-1.158	-1.158	0	%100
56	M151	Z	-.668	-.668	0	%100
57	M154	X	-.161	-.161	0	%100
58	M154	Z	-.093	-.093	0	%100
59	M155	X	-.161	-.161	0	%100
60	M155	Z	-.093	-.093	0	%100
61	M159	X	0	0	0	%100
62	M159	Z	0	0	0	%100
63	M160	X	-.295	-.295	0	%100
64	M160	Z	-.17	-.17	0	%100
65	M162	X	-.31	-.31	0	%100
66	M162	Z	-.179	-.179	0	%100
67	M164	X	0	0	0	%100
68	M164	Z	0	0	0	%100
69	M165	X	-.295	-.295	0	%100
70	M165	Z	-.17	-.17	0	%100
71	M167	X	-.31	-.31	0	%100
72	M167	Z	-.179	-.179	0	%100
73	M172	X	-.169	-.169	0	%100
74	M172	Z	-.097	-.097	0	%100
75	MP1A	X	-.458	-.458	0	%100
76	MP1A	Z	-.265	-.265	0	%100
77	MP3A	X	-.555	-.555	0	%100
78	MP3A	Z	-.32	-.32	0	%100
79	MP2A	X	-.458	-.458	0	%100
80	MP2A	Z	-.265	-.265	0	%100
81	MP4A	X	-.458	-.458	0	%100
82	MP4A	Z	-.265	-.265	0	%100
83	M82	X	-.169	-.169	0	%100
84	M82	Z	-.097	-.097	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,%]
85	M91	X	-.675	-.675	0	%100
86	M91	Z	-.39	-.39	0	%100
87	OVP PIPE	X	-.375	-.375	0	%100
88	OVP PIPE	Z	-.216	-.216	0	%100
89	M102A	X	-.139	-.139	0	%100
90	M102A	Z	-.08	-.08	0	%100
91	M107A	X	-.139	-.139	0	%100
92	M107A	Z	-.08	-.08	0	%100
93	M112A	X	-.555	-.555	0	%100
94	M112A	Z	-.32	-.32	0	%100
95	M123A	X	-.183	-.183	0	%100
96	M123A	Z	-.106	-.106	0	%100
97	M124A	X	-.732	-.732	0	%100
98	M124A	Z	-.423	-.423	0	%100
99	M125A	X	-.183	-.183	0	%100
100	M125A	Z	-.106	-.106	0	%100
101	MP1C	X	-.458	-.458	0	%100
102	MP1C	Z	-.265	-.265	0	%100
103	MP3C	X	-.555	-.555	0	%100
104	MP3C	Z	-.32	-.32	0	%100
105	MP2C	X	-.458	-.458	0	%100
106	MP2C	Z	-.265	-.265	0	%100
107	MP4C	X	-.458	-.458	0	%100
108	MP4C	Z	-.265	-.265	0	%100
109	MP1B	X	-.458	-.458	0	%100
110	MP1B	Z	-.265	-.265	0	%100
111	MP3B	X	-.555	-.555	0	%100
112	MP3B	Z	-.32	-.32	0	%100
113	MP2B	X	-.458	-.458	0	%100
114	MP2B	Z	-.265	-.265	0	%100
115	MP4B	X	-.458	-.458	0	%100
116	MP4B	Z	-.265	-.265	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	M100	X	-.099	-.099	0	%100
2	M100	Z	-.171	-.171	0	%100
3	M101	X	-.251	-.251	0	%100
4	M101	Z	-.435	-.435	0	%100
5	M102	X	-.251	-.251	0	%100
6	M102	Z	-.435	-.435	0	%100
7	M103	X	-.501	-.501	0	%100
8	M103	Z	-.868	-.868	0	%100
9	M106	X	0	0	0	%100
10	M106	Z	0	0	0	%100
11	M107	X	-.278	-.278	0	%100
12	M107	Z	-.482	-.482	0	%100
13	M111	X	-.167	-.167	0	%100
14	M111	Z	-.289	-.289	0	%100
15	M112	X	0	0	0	%100
16	M112	Z	0	0	0	%100
17	M114	X	0	0	0	%100
18	M114	Z	0	0	0	%100
19	M116	X	-.167	-.167	0	%100
20	M116	Z	-.289	-.289	0	%100
21	M117	X	-.511	-.511	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,%]
22	M117	Z	-.884	-.884	0	%100
23	M119	X	-.538	-.538	0	%100
24	M119	Z	-.931	-.931	0	%100
25	M124	X	-.396	-.396	0	%100
26	M124	Z	-.686	-.686	0	%100
27	M125	X	0	0	0	%100
28	M125	Z	0	0	0	%100
29	M126	X	0	0	0	%100
30	M126	Z	0	0	0	%100
31	M127	X	0	0	0	%100
32	M127	Z	0	0	0	%100
33	M130	X	-.278	-.278	0	%100
34	M130	Z	-.482	-.482	0	%100
35	M131	X	-.278	-.278	0	%100
36	M131	Z	-.482	-.482	0	%100
37	M135	X	-.668	-.668	0	%100
38	M135	Z	-1.158	-1.158	0	%100
39	M136	X	-.511	-.511	0	%100
40	M136	Z	-.884	-.884	0	%100
41	M138	X	-.538	-.538	0	%100
42	M138	Z	-.931	-.931	0	%100
43	M140	X	-.668	-.668	0	%100
44	M140	Z	-1.158	-1.158	0	%100
45	M141	X	-.511	-.511	0	%100
46	M141	Z	-.884	-.884	0	%100
47	M143	X	-.538	-.538	0	%100
48	M143	Z	-.931	-.931	0	%100
49	M148	X	-.099	-.099	0	%100
50	M148	Z	-.171	-.171	0	%100
51	M149	X	-.251	-.251	0	%100
52	M149	Z	-.435	-.435	0	%100
53	M150	X	-.251	-.251	0	%100
54	M150	Z	-.435	-.435	0	%100
55	M151	X	-.501	-.501	0	%100
56	M151	Z	-.868	-.868	0	%100
57	M154	X	-.278	-.278	0	%100
58	M154	Z	-.482	-.482	0	%100
59	M155	X	0	0	0	%100
60	M155	Z	0	0	0	%100
61	M159	X	-.167	-.167	0	%100
62	M159	Z	-.289	-.289	0	%100
63	M160	X	-.511	-.511	0	%100
64	M160	Z	-.884	-.884	0	%100
65	M162	X	-.538	-.538	0	%100
66	M162	Z	-.931	-.931	0	%100
67	M164	X	-.167	-.167	0	%100
68	M164	Z	-.289	-.289	0	%100
69	M165	X	0	0	0	%100
70	M165	Z	0	0	0	%100
71	M167	X	0	0	0	%100
72	M167	Z	0	0	0	%100
73	M172	X	-.292	-.292	0	%100
74	M172	Z	-.506	-.506	0	%100
75	MP1A	X	-.265	-.265	0	%100
76	MP1A	Z	-.458	-.458	0	%100
77	MP3A	X	-.32	-.32	0	%100
78	MP3A	Z	-.555	-.555	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,%]
79	MP2A	X	-.265	-.265	0	%100
80	MP2A	Z	-.458	-.458	0	%100
81	MP4A	X	-.265	-.265	0	%100
82	MP4A	Z	-.458	-.458	0	%100
83	M82	X	0	0	0	%100
84	M82	Z	0	0	0	%100
85	M91	X	-.292	-.292	0	%100
86	M91	Z	-.506	-.506	0	%100
87	OVP PIPE	X	-.216	-.216	0	%100
88	OVP PIPE	Z	-.375	-.375	0	%100
89	M102A	X	-.24	-.24	0	%100
90	M102A	Z	-.416	-.416	0	%100
91	M107A	X	0	0	0	%100
92	M107A	Z	0	0	0	%100
93	M112A	X	-.24	-.24	0	%100
94	M112A	Z	-.416	-.416	0	%100
95	M123A	X	0	0	0	%100
96	M123A	Z	0	0	0	%100
97	M124A	X	-.317	-.317	0	%100
98	M124A	Z	-.549	-.549	0	%100
99	M125A	X	-.317	-.317	0	%100
100	M125A	Z	-.549	-.549	0	%100
101	MP1C	X	-.265	-.265	0	%100
102	MP1C	Z	-.458	-.458	0	%100
103	MP3C	X	-.32	-.32	0	%100
104	MP3C	Z	-.555	-.555	0	%100
105	MP2C	X	-.265	-.265	0	%100
106	MP2C	Z	-.458	-.458	0	%100
107	MP4C	X	-.265	-.265	0	%100
108	MP4C	Z	-.458	-.458	0	%100
109	MP1B	X	-.265	-.265	0	%100
110	MP1B	Z	-.458	-.458	0	%100
111	MP3B	X	-.32	-.32	0	%100
112	MP3B	Z	-.555	-.555	0	%100
113	MP2B	X	-.265	-.265	0	%100
114	MP2B	Z	-.458	-.458	0	%100
115	MP4B	X	-.265	-.265	0	%100
116	MP4B	Z	-.458	-.458	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	M130	Y	-1.881	-4.429	0	.832
2	M130	Y	-4.429	-7.041	.832	1.665
3	M130	Y	-7.041	-8.256	1.665	2.497
4	M130	Y	-8.256	-6.578	2.497	3.329
5	M130	Y	-6.578	-3.469	3.329	4.162
6	M131	Y	-3.463	-6.544	0	.832
7	M131	Y	-6.544	-8.189	.832	1.665
8	M131	Y	-8.189	-6.901	1.665	2.497
9	M131	Y	-6.901	-4.226	2.497	3.329
10	M131	Y	-4.226	-1.665	3.329	4.162
11	M154	Y	-1.661	-4.228	0	.832
12	M154	Y	-4.228	-6.902	.832	1.665
13	M154	Y	-6.902	-8.189	1.665	2.497
14	M154	Y	-8.189	-6.545	2.497	3.329
15	M154	Y	-6.545	-3.463	3.329	4.162

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
16	M155	Y	-3.462	-6.573	0	.832
17	M155	Y	-6.573	-8.26	.832	1.665
18	M155	Y	-8.26	-7.044	1.665	2.497
19	M155	Y	-7.044	-4.426	2.497	3.329
20	M155	Y	-4.426	-1.884	3.329	4.162
21	M106	Y	-1.884	-4.426	0	.832
22	M106	Y	-4.426	-7.044	.832	1.665
23	M106	Y	-7.044	-8.26	1.665	2.497
24	M106	Y	-8.26	-6.573	2.497	3.329
25	M106	Y	-6.573	-3.462	3.329	4.162
26	M107	Y	-3.463	-6.545	0	.832
27	M107	Y	-6.545	-8.189	.832	1.665
28	M107	Y	-8.189	-6.902	1.665	2.497
29	M107	Y	-6.902	-4.228	2.497	3.329
30	M107	Y	-4.228	-1.661	3.329	4.162

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	M130	Y	-3.691	-8.692	0	.832
2	M130	Y	-8.692	-13.819	.832	1.665
3	M130	Y	-13.819	-16.201	1.665	2.497
4	M130	Y	-16.201	-12.908	2.497	3.329
5	M130	Y	-12.908	-6.808	3.329	4.162
6	M131	Y	-6.796	-12.842	0	.832
7	M131	Y	-12.842	-16.072	.832	1.665
8	M131	Y	-16.072	-13.543	1.665	2.497
9	M131	Y	-13.543	-8.294	2.497	3.329
10	M131	Y	-8.294	-3.268	3.329	4.162
11	M154	Y	-3.26	-8.298	0	.832
12	M154	Y	-8.298	-13.545	.832	1.665
13	M154	Y	-13.545	-16.07	1.665	2.497
14	M154	Y	-16.07	-12.844	2.497	3.329
15	M154	Y	-12.844	-6.796	3.329	4.162
16	M155	Y	-6.793	-12.9	0	.832
17	M155	Y	-12.9	-16.211	.832	1.665
18	M155	Y	-16.211	-13.825	1.665	2.497
19	M155	Y	-13.825	-8.686	2.497	3.329
20	M155	Y	-8.686	-3.698	3.329	4.162
21	M106	Y	-3.698	-8.686	0	.832
22	M106	Y	-8.686	-13.825	.832	1.665
23	M106	Y	-13.825	-16.211	1.665	2.497
24	M106	Y	-16.211	-12.9	2.497	3.329
25	M106	Y	-12.9	-6.793	3.329	4.162
26	M107	Y	-6.796	-12.844	0	.832
27	M107	Y	-12.844	-16.07	.832	1.665
28	M107	Y	-16.07	-13.545	1.665	2.497
29	M107	Y	-13.545	-8.298	2.497	3.329
30	M107	Y	-8.298	-3.26	3.329	4.162

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N198	N196	N174	N175	Y	Two Way	-.005
2	N202	N203	N226	N224	Y	Two Way	-.005
3	N147	N146	N168	N170	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N198	N196	N174	N175	Y	Two Way	-.01
2	N202	N203	N226	N224	Y	Two Way	-.01
3	N147	N146	N168	N170	Y	Two Way	-.01

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N144A	max	1209.275	10	2675.397	13	2211.833	1	5.155	13	1.493	4	.084	4
2		min	-1230.982	4	445.245	7	-2353.807	7	-.331	7	-1.537	10	-.304	10
3	N172	max	1743.089	9	2517.197	21	1559.084	1	-.01	3	1.397	12	.318	3
4		min	-1854.202	3	390.188	3	-1469.135	7	-2.719	21	-1.441	6	-4.221	21
5	N200	max	2082.785	10	2520.739	17	1114.018	1	.278	11	1.405	8	4.474	17
6		min	-1946.69	4	390.441	11	-1061.992	7	-2.355	29	-1.449	2	-.152	11
7	Totals:	max	4900.632	10	7159.865	23	4884.934	1						
8		min	-4900.633	4	3344.351	5	-4884.934	7						

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc...	phi*Pnt ...	phi*Mn ...	phi*Mn ...	Cb	Eqn
1	M100	HSS4X4X4	.323	0	13	.087	0	y	24	124657....	139518	16.181	16.181	3...	H1-1b
2	M101	HSS4X4X4	.179	2.375	14	.052	2.375	y	13	136263....	139518	16.181	16.181	1...	H1-1b
3	M102	HSS4X4X4	.180	0	24	.061	0	y	13	136263....	139518	16.181	16.181	1...	H1-1b
4	M103	PL1/2x6	.163	.516	1	.125	1.031	y	4	66009.2...	97200	1.012	12.15	1...	H1-1b
5	M106	L2x2x3	.132	0	2	.014	0	y	17	9823.122	23392.8	.558	1.084	1...	H2-1
6	M107	L2x2x3	.146	0	12	.012	0	y	21	9823.122	23392.8	.558	1.084	1...	H2-1
7	M111	PL3/8x6	.217	0	11	.284	0	y	18	70647.0...	72900	.57	9.113	1...	H1-1b
8	M112	PL3/8x6	.218	.167	8	.363	0	y	13	71583.5...	72900	.57	9.113	1...	H1-1b
9	M114	PL1/2x6	.062	.112	1	.091	.112	y	5	96757.5...	97200	1.012	12.15	1...	H1-1b
10	M116	PL3/8x6	.307	0	10	.205	0	y	20	70647.0...	72900	.57	9.113	1...	H1-1b
11	M117	PL3/8x6	.253	.167	6	.380	0	y	24	71583.5...	72900	.57	9.113	1...	H1-1b
12	M119	PL1/2x6	.053	.112	1	.089	0	y	3	96757.5...	97200	1.012	12.15	1...	H1-1b
13	M124	HSS4X4X4	.314	0	21	.106	0	y	44	124657....	139518	16.181	16.181	3...	H1-1b
14	M125	HSS4X4X4	.179	2.375	22	.053	2.375	y	21	136263....	139518	16.181	16.181	1...	H1-1b
15	M126	HSS4X4X4	.179	0	20	.061	0	y	21	136263....	139518	16.181	16.181	1...	H1-1b
16	M127	PL1/2x6	.163	.516	9	.127	1.031	y	12	66009.2...	97200	1.012	12.15	1...	H1-1b
17	M130	L2x2x3	.133	0	10	.014	0	y	13	9823.122	23392.8	.558	1.084	1...	H2-1
18	M131	L2x2x3	.146	0	8	.012	0	y	17	9823.122	23392.8	.558	1.084	1...	H2-1
19	M135	PL3/8x6	.217	0	7	.285	0	y	14	70647.0...	72900	.57	9.113	1...	H1-1b
20	M136	PL3/8x6	.218	.167	4	.363	0	y	21	71583.5...	72900	.57	9.113	1...	H1-1b
21	M138	PL1/2x6	.063	.112	9	.093	.112	y	1	96757.5...	97200	1.012	12.15	1...	H1-1b
22	M140	PL3/8x6	.307	0	6	.203	0	y	16	70647.0...	72900	.57	9.113	1...	H1-1b
23	M141	PL3/8x6	.253	.167	2	.378	0	y	20	71583.5...	72900	.57	9.113	1...	H1-1b
24	M143	PL1/2x6	.053	.112	9	.090	0	y	11	96757.5...	97200	1.012	12.15	1...	H1-1b
25	M148	HSS4X4X4	.314	0	17	.089	0	y	30	124657....	139518	16.181	16.181	3...	H1-1b
26	M149	HSS4X4X4	.179	2.375	18	.054	2.375	y	29	136263....	139518	16.181	16.181	1...	H1-1b
27	M150	HSS4X4X4	.180	0	16	.061	0	y	17	136263....	139518	16.181	16.181	1...	H1-1b
28	M151	PL1/2x6	.163	.516	5	.127	1.031	y	8	66009.2...	97200	1.012	12.15	1...	H1-1b
29	M154	L2x2x3	.132	0	6	.014	0	y	21	9823.122	23392.8	.558	1.084	1...	H2-1
30	M155	L2x2x3	.147	0	4	.012	4.162	y	13	9823.122	23392.8	.558	1.084	1...	H2-1
31	M159	PL3/8x6	.217	0	3	.285	0	y	22	70647.0...	72900	.57	9.113	1...	H1-1b
32	M160	PL3/8x6	.218	.167	12	.363	0	y	17	71583.5...	72900	.57	9.113	1...	H1-1b
33	M162	PL1/2x6	.063	.112	5	.092	.112	y	9	96757.5...	97200	1.012	12.15	1...	H1-1b
34	M164	PL3/8x6	.308	0	2	.205	0	y	24	70647.0...	72900	.57	9.113	1...	H1-1b
35	M165	PL3/8x6	.253	.167	10	.380	0	y	16	71583.5...	72900	.57	9.113	1...	H1-1b
36	M167	PL1/2x6	.053	.112	5	.090	0	y	7	96757.5...	97200	1.012	12.15	1...	H1-1b
37	M172	PIPE_3.0	.131	4.427	5	.073	8.203		2	28250.5...	65205	5.749	5.749	2...	H1-1b

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc...	phi*Pnt ...	phi*Mn ...	phi*Mn ...	Cb	Eqn
38	MP1A	PIPE_2.0	.267	4.813	9	.079	4.813		8	20866.7...	32130	1.872	1.872	1...	H1-1b
39	MP3A	PIPE_2.5	.349	4.833	4	.091	2.917		3	30038.4...	50715	3.596	3.596	1...	H1-1b
40	MP2A	PIPE_2.0	.352	4.813	9	.079	2.938		12	20866.7...	32130	1.872	1.872	1...	H1-1b
41	MP4A	PIPE_2.0	.249	4.813	5	.072	1.375		7	20866.7...	32130	1.872	1.872	1...	H1-1b
42	M82	PIPE_3.0	.131	4.427	1	.073	8.203		10	28250.5...	65205	5.749	5.749	2...	H1-1b
43	M91	PIPE_3.0	.131	4.427	9	.073	8.203		6	28250.5...	65205	5.749	5.749	2...	H1-1b
44	OVP PIPE	PIPE_2.0	.079	2	11	.015	2		11	28843.4...	32130	1.872	1.872	2...	H1-1b
45	M102A	PIPE_2.5	.179	8.464	6	.073	10.4...		2	14558.7...	50715	3.596	3.596	2...	H1-1b
46	M107A	PIPE_2.5	.179	8.464	2	.073	10.4...		10	14558.7...	50715	3.596	3.596	2...	H1-1b
47	M112A	PIPE_2.5	.179	8.464	10	.073	10.4...		6	14558.7...	50715	3.596	3.596	2...	H1-1b
48	M123A	L3X3X4	.324	0	7	.027	0	z	7	39987.5...	46656	1.688	3.756	2...	H2-1
49	M124A	L3X3X4	.324	0	3	.027	0	z	3	39987.5...	46656	1.688	3.756	2...	H2-1
50	M125A	L3X3X4	.324	0	11	.027	0	z	11	39987.5...	46656	1.688	3.756	2...	H2-1
51	MP1C	PIPE_2.0	.265	4.813	5	.078	4.813		4	20866.7...	32130	1.872	1.872	1...	H1-1b
52	MP3C	PIPE_2.5	.349	4.833	12	.091	2.917		11	30038.4...	50715	3.596	3.596	1...	H1-1b
53	MP2C	PIPE_2.0	.351	4.813	5	.079	2.938		8	20866.7...	32130	1.872	1.872	1...	H1-1b
54	MP4C	PIPE_2.0	.250	4.813	1	.072	1.375		3	20866.7...	32130	1.872	1.872	1...	H1-1b
55	MP1B	PIPE_2.0	.268	4.813	1	.079	4.813		12	20866.7...	32130	1.872	1.872	1...	H1-1b
56	MP3B	PIPE_2.5	.348	4.833	8	.091	2.917		7	30038.4...	50715	3.596	3.596	1...	H1-1b
57	MP2B	PIPE_2.0	.353	4.813	1	.079	2.938		4	20866.7...	32130	1.872	1.872	1...	H1-1b
58	MP4B	PIPE_2.0	.248	4.813	9	.072	1.375		11	20866.7...	32130	1.872	1.872	1...	H1-1b

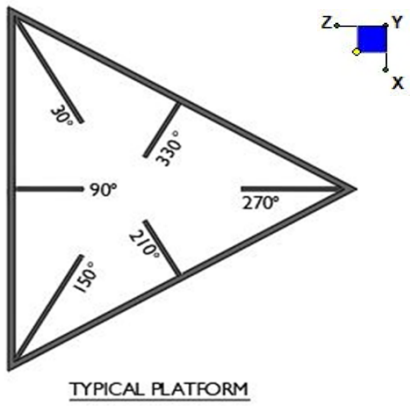
Client:	Verizon Wireless	Date:	6/18/2021
Site Name:	TORRINGTON N CT		
Project No.	21777082A		
Title:	Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

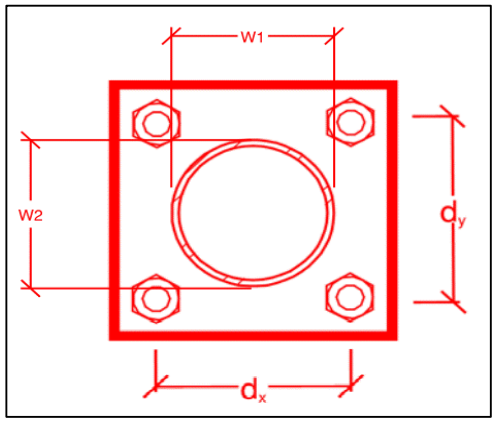
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N172	30
N144A	270
N200	150



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)* :	7.5
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	7.5
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength (kips):	16.9
Required Shear Strength (kips):	4.4
Tensile Strength / bolt (kips):	20.7
Shear Strength / bolt (kips):	12.4
Tensile Capacity Overall:	**20.4%***
Shear Capacity Overall:	**8.8%**



**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):	10
Plate Height (in):	10
W1 (in):	4
W2 (in):	4
Fy (ksi, plate):	36
t_{Plate} (in):	0.625
Weld Size (1/16 in):	4
Phi*Rn (kip/in):	5.57
Required Weld Strength (kip/in):	2.93
Plate Bending Capacity:	**47.1%**
Weld Capacity:	**52.7%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)* :	14.8
Phi*Mn_{xx} *(kip-in)* :	31.6
Mu_{yy} *(kip-in)* :	0.1
Phi*Mn_{yy} *(kip-in)* :	31.6

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

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

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

Base Requirements:

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

Photo Requirements:

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

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

Antenna & equipment placement and Geometry Confirmation:

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

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

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

Certifying Individual: Company _____

Name _____

Signature _____

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

Issue:

Contractor to install VZWSMART-PLK1 Support Rail Kit 42” above existing face horizontal. Contractor to install new 36" Pipe 2 STD OVP equipment pipe on the standoff of the Beta/Gamma sector midway between the tower and the cross arm using new Site Pro 1 SQCX4-K or similar. Contractor to replace existing mount pipe in position 3 on all sectors (position 1 being on the right side of the mount when looking from the front) with new 96" long P2.5 STD mount pipe. Connect to existing face horizontal members using new crossover plates (Site Pro 1, Part #: SP219-H or EOR approved equal).

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: 467965-VZW - TORRINGTON N CT

Sector: **A**

Structure Type: Monopole

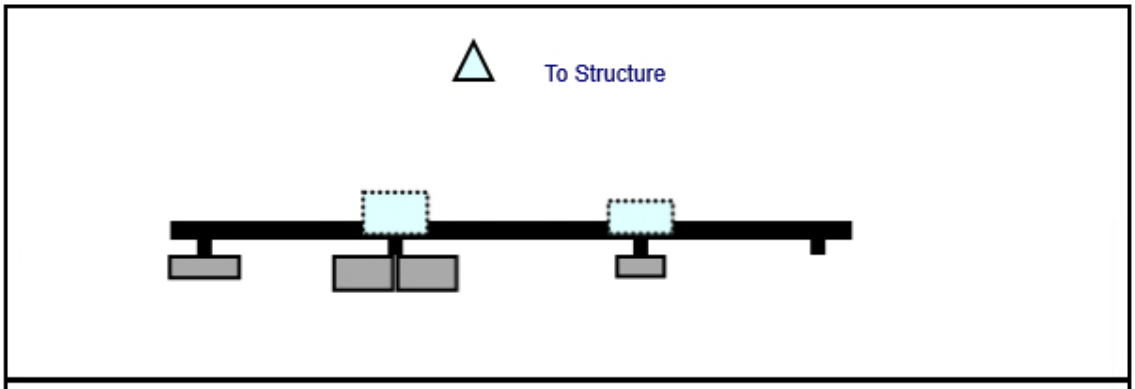
Mount Elev: 183.00

10074708

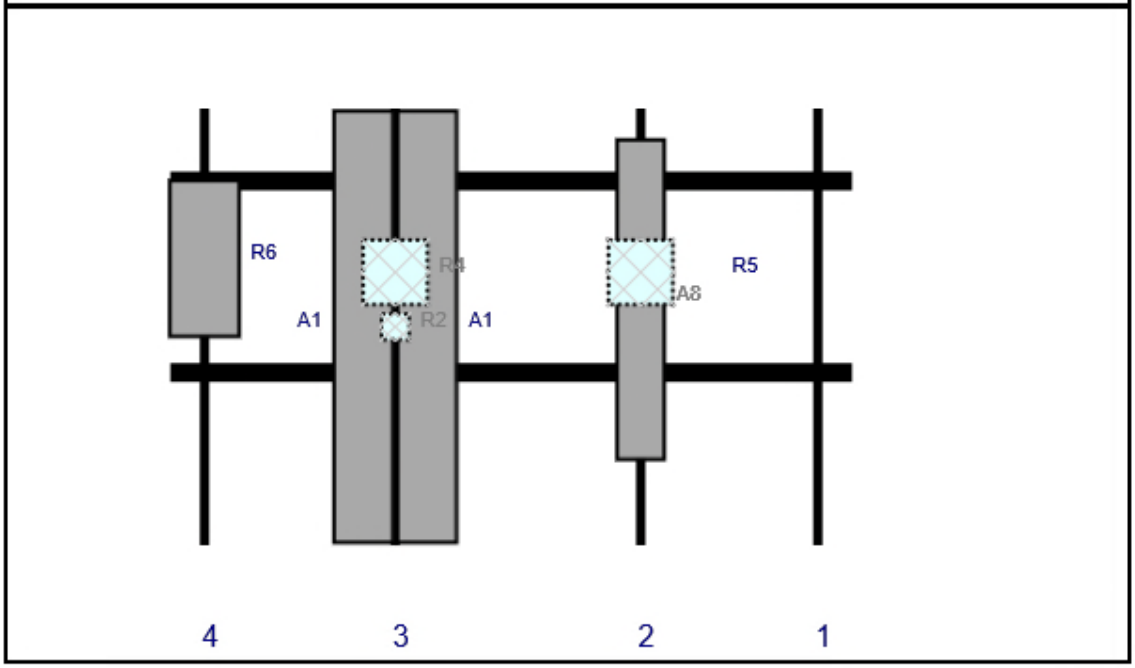
6/18/2021

MASER CONSULTING CONNECTICUT

Plan View



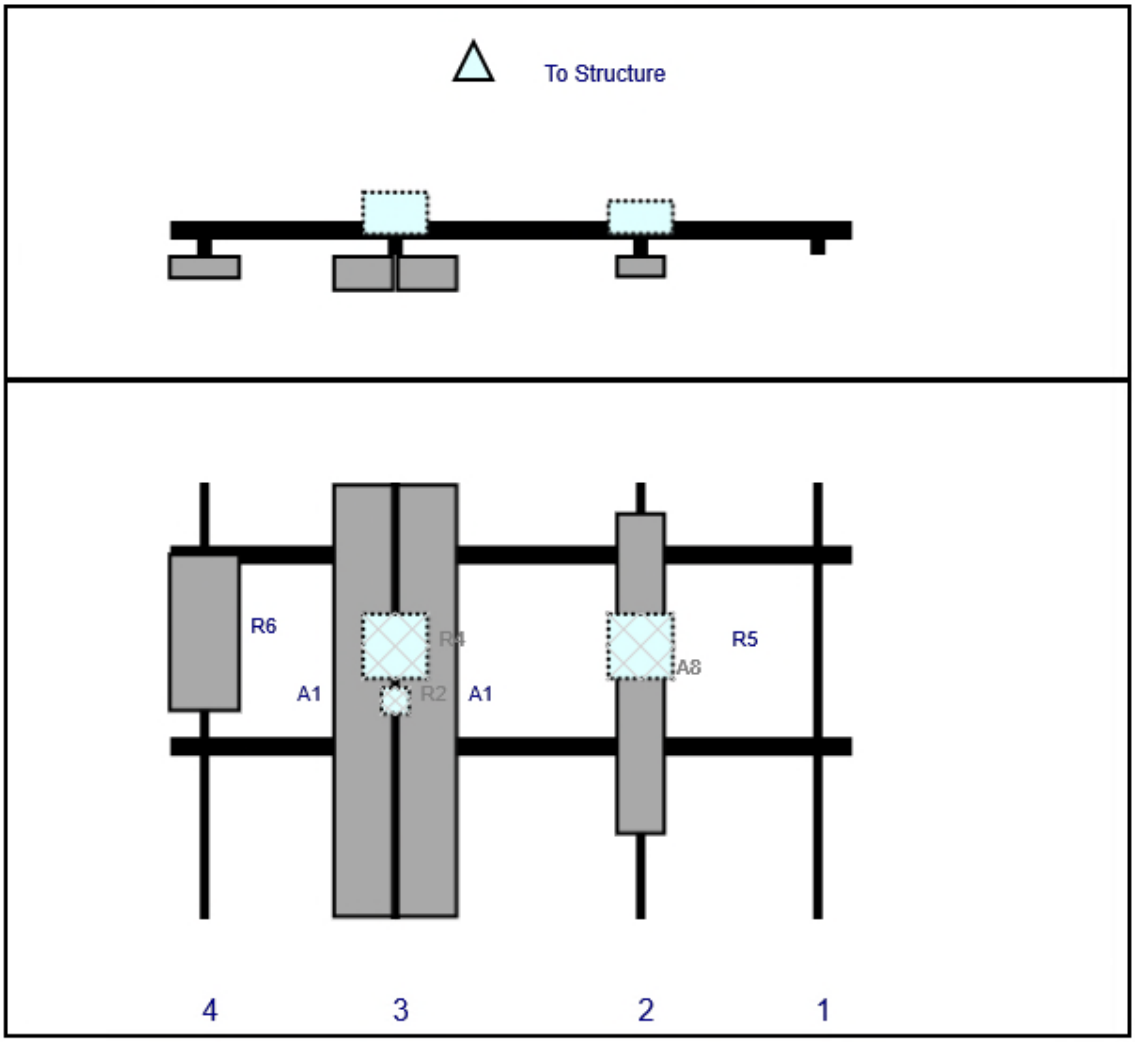
Front View
Looking at Structure



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
A8	BXA-70063-6CF	71	11.2	103.5	2	a	Front	42	0	Retained	04/16/2021
R5	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	103.5	2	a	Behind	36	0	Added	
A1	JAHH-65C-R3B-V2	95.7	13.8	49.5	3	a	Front	48	7	Added	
A1	JAHH-65C-R3B-V2	95.7	13.8	49.5	3	b	Front	48	-7	Added	
R2	CBC78T-DS-43	6.4	6.9	49.5	3	a	Behind	48	0	Added	
R4	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	49.5	3	a	Behind	36	0	Added	
R6	MT6407-77A	35.1	16.1	7.5	4	a	Front	33	0	Added	

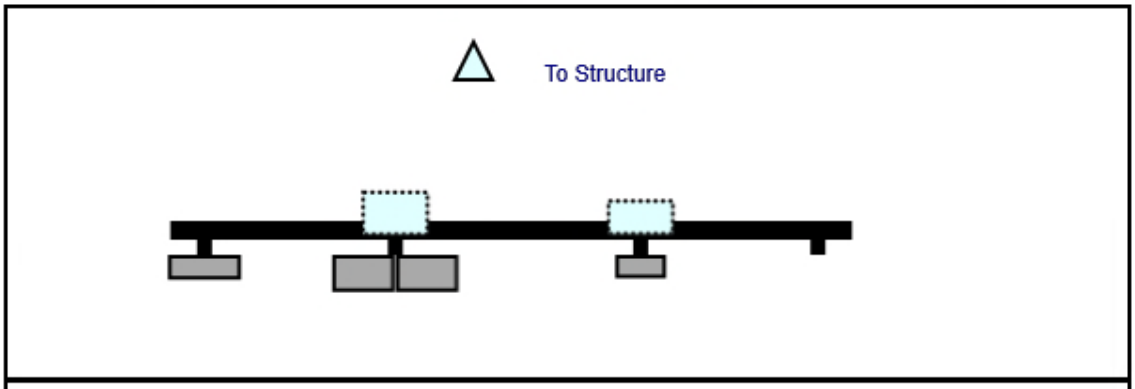
Plan View

Front View
Looking at Structure

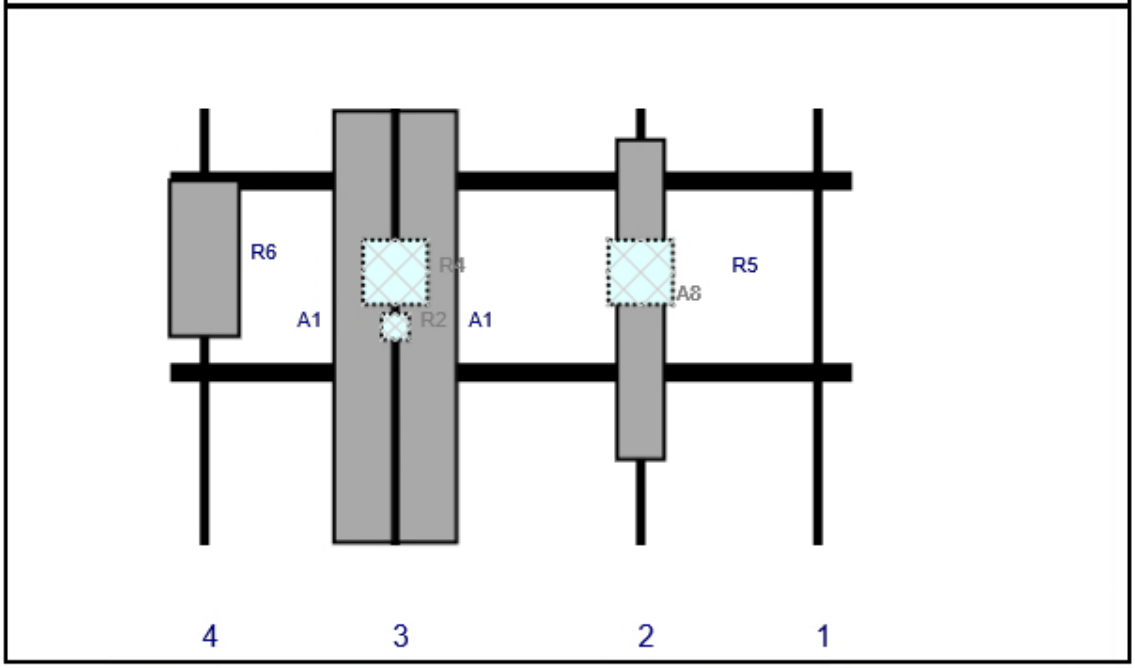


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A8	BXA-70063-6CF	71	11.2	103.5	2	a	Front	42	0	Retained	04/16/2021
R5	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	103.5	2	a	Behind	36	0	Added	
A1	JAHH-65C-R3B-V2	95.7	13.8	49.5	3	a	Front	48	-7	Added	
A1	JAHH-65C-R3B-V2	95.7	13.8	49.5	3	b	Front	48	7	Added	
R2	CBC78T-DS-43	6.4	6.9	49.5	3	a	Behind	48	0	Added	
R4	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	49.5	3	a	Behind	36	0	Added	
R6	MT6407-77A	35.1	16.1	7.5	4	a	Front	33	0	Added	

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
A8	BXA-70063-6CF	71	11.2	103.5	2	a	Front	42	0	Retained	04/16/2021
R5	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	103.5	2	a	Behind	36	0	Added	
A1	JAHH-65C-R3B-V2	95.7	13.8	49.5	3	a	Front	48	-7	Added	
A1	JAHH-65C-R3B-V2	95.7	13.8	49.5	3	b	Front	48	7	Added	
R2	CBC78T-DS-43	6.4	6.9	49.5	3	a	Behind	48	0	Added	
R4	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	49.5	3	a	Behind	36	0	Added	
R6	MT6407-77A	35.1	16.1	7.5	4	a	Front	33	0	Added	

Maser Consulting Connecticut

Subject	TIA-222-H Usage
Site Information	Site ID: 467965-VZW / TORRINGTON N CT Site Name: TORRINGTON N CT Carrier Name: Verizon Wireless Address: 404 Burr Mountain Road Torrington, Connecticut 06790 Litchfield County Latitude: 41.873256° Longitude: -73.088406°
Structure Information	Tower Type: 196-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,

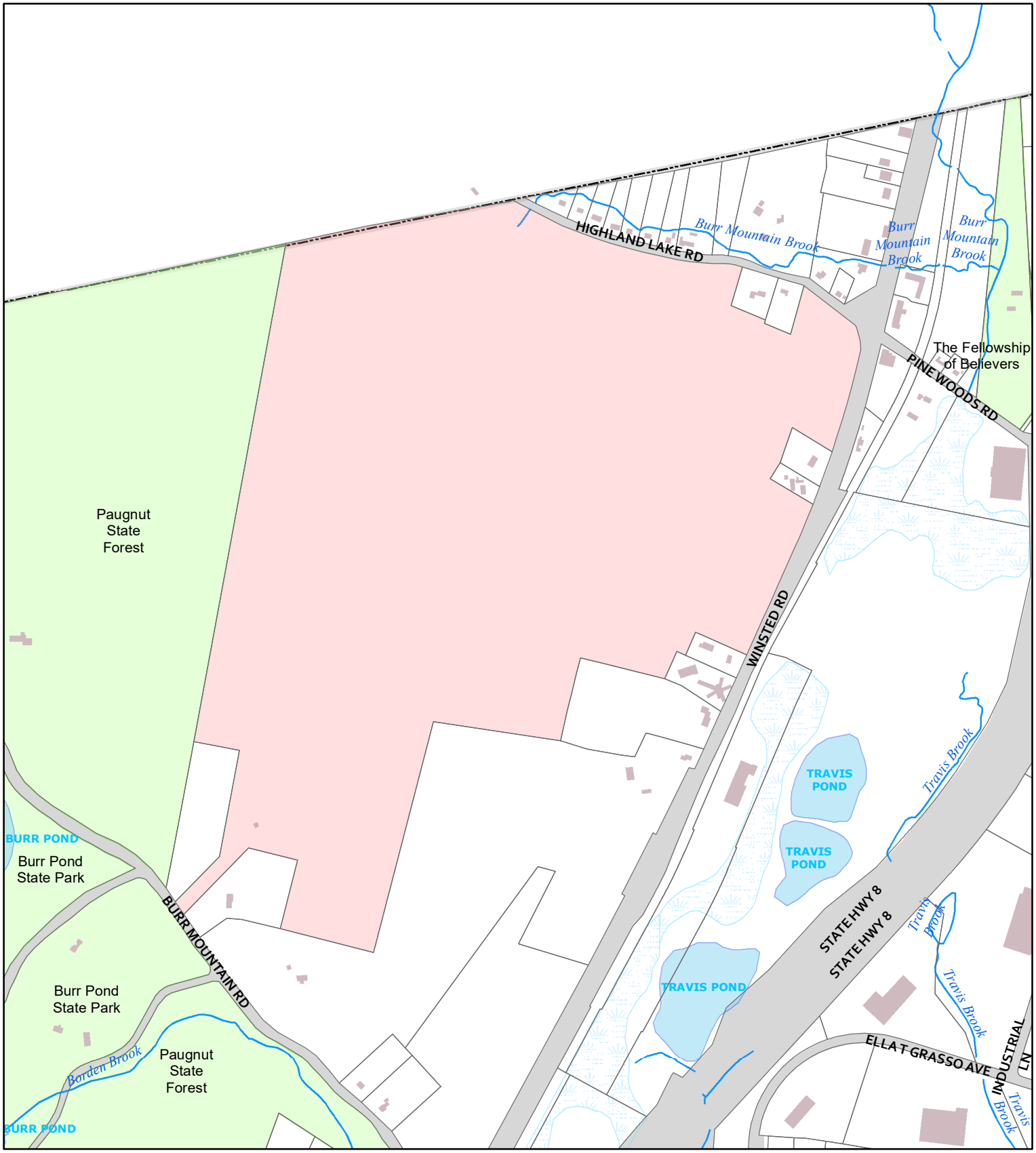
Dejian Xu

Dejian Xu, PE
Technical Manager

ATTACHMENT 5

City of Torrington, Connecticut - Assessment Parcel Map

Map/Block/Lot 242-001-005 **Address:** 242-001-005



Approximate Scale: 1 inch = 699 feet

Map Produced: January 2021

The Assessor’s office is responsible for the maintenance of records on the ownership of properties. Assessments are computed at 70% of the estimated market value of real property at the time of the last revaluation which was 2019.

Information on the Property Records for the Municipality of Torrington was last updated on 8/20/2021.

Property Summary Information

- Parcel Data And Values
- Sales
- Permits

Parcel Information

Location:	3345 WINSTED RD	Property Use:	Vacant Land	Primary Use:	Commercial Vacant Land
Unique ID:	8172	Map Block Lot:	242/001/005	Acres:	193.61
490 Acres:	132.98	Zone:	I	Volume / Page:	0444/0497
Developers Map / Lot:	5417/5554	Census:	3107-0N		

Value Information

	Appraised Value	Assessed Value
Land	4,598,238	1,019,140
Buildings	0	0
Detached Outbuildings	0	0
Total	4,598,238	1,019,140

Owner's Information

Owner's Data

O & G INDUSTRIES INC
112 WALL ST
TORRINGTON, CT 06790

Detached Outbuildings

Owner History - Sales

Owner Name	Volume	Page	Sale Date	Deed Type	Sale Price
O & G INDUSTRIES INC	0444	0497	09/23/1988		$2,104,500

Building Permits

Permit Number	Permit Type	Date Opened	Reason
19-530	Building	04/01/2019	REM & REPL 6 NEW ANTENNAS/RADIO UNITS
19-439	Building	03/19/2019	MODIFY AT&T FACILITY/REPL 6 ANTENNAS & RADIO UNITS
19-401 Z	Commercial	03/14/2019	CELL TOWER UPGRADE
19-337	Certificate of Completion	03/04/2019	CERT OF COMPL- GENERATOR
18-974	Electrical	06/13/2018	GENERATOR INSTALLED
17-1669	Certificate of Completion	09/06/2017	CERT OF COMPL- 3 NEWER CELL ANTENNAS & ASSOCIATED EQUIP= PP
17-1081	Certificate of Completion	06/14/2017	CERT OF COMPL- MODIFY AT&T ANTENNA & REPL RADIO HEADS
17-679	Building	05/02/2017	UPGRADES TO EXISTING CELL SITE/3 ANTENNAS & EQUIP
17-544 Z	Commercial	04/17/2017	UPGARDE 3 CELL ANTENNAS & EQUIP
17-323	Building	03/08/2017	MODIFY AT&T ANTENNA SITE/3 REMOTE RADIO UNITS
17-263 Z	Commercial	02/27/2017	CELL TOWER- AT& T ANTENNA MODIFICATION
14-1368	Building	07/11/2014	ADD 3 CELL ANTENNAS & ASSOC EQUIP = PP
14-711	Building	04/24/2014	CABINET/8 KW GENERATOR/MICO DISH FOR PD = PP
14-397	Building	03/06/2014	TELECOMMUNICATION SITE ALTERATION=PP

Permit Number	Permit Type	Date Opened	Reason
13-5987	Certificate of Completion	10/10/2013	CERT OF COMPL- 3 MEW ANTENNAD W/SUPPORT EQUIP
13-5813	Building	09/11/2013	MODIFICATIONS TO CELL SITE= PP
12-3424	Building	01/24/2013	ADD 3 NEW ANTENNAS & CABINET TO EXISTING PLATFORM
12-2303	Building	09/20/2012	REPL 6 ANTENNA
11-199	Certificate of Completion	03/17/2011	CERT OF COMPL/PANEL ANTENNAS/COAX & RELATED EQUIP
10-1852	Commercial	10/21/2010	INSTALL PANEL ANTENNAS/PP
08-2511	Commercial	12/08/2008	ADDING ANTENNAS TO EXISTING STRUCTURE AND RELATED GROUND EQUIPMENT. NO CHANGE IN FOOTPRINT.
08-1729	Commercial New	09/09/2008	DOOR CANOPY
08-1545	Commercial New	08/13/2008	DOOR CANOPY
08-533	Commercial New	04/11/2008	NEW TRUCK SCALE
05-192	Commercial New	05/25/2005	CELL ANTENNAE & PRE-FAB SHELTER
04-591	Commercial New	12/08/2004	12'X30' EQUIP SHELTER&ANT
04-541	Commercial New	11/05/2004	EQUIP BLDG & CELLULAR ANTENNAS
04-437	Commercial New	09/07/2004	NEW 195' CELL TOWER

Google Map

Unique Id: 8172

Location: 3345 WINSTED

MBL: 242/ 001/ 005

Primary Use: Commercial Vaca

Zone: I

Acres:

	193.61
Appraised Value:	$4,598,238
Assessed Value:	$1,019,140

Back To Search

Print View

Information Published With Permission From The Assessor

ATTACHMENT 6

UNITED STATES POSTAL SERVICE®

TORRINGTON NORTH

Certificate of Mailing — Firm

Name and Address of Sender	TOTAL NO. of Pieces Listed by Sender	TOTAL NO. of Pieces Received at Post Office™	Affix Stamp Here *Postmark with Date of Receipt.*
Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103	3	3	neopost 08/27/2021 US POSTAGE $002.89⁰ ZIP 06103 041L12203937
	Postmaster, per *(name of receiving employee)* VP		

USPS® Tracking Number / Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	Elinor Carbone, Mayor City of Torrington 140 Main Street Torrington, CT 06790				
2.	Martin Connor, City Planner City of Torrington 140 Main Street Torrington, CT 06790				
3.	O&G Industries 112 Wall Street Torrington, CT 06790				
4.					
5.					
6.					

OLD STATE HOUSE STATION 06103
AUG 27 2021
USPS