Robinson+Cole

KENNETH C. BALDWIN

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Also admitted in Massachusetts
and New York

June 22, 2021

Via Electronic Mail

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

Re: **Notice of Exempt Modification – Facility Modification**
48 Westchester Road, Colchester, 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 was approved the Town of Colchester ("Town") in November of 1999. Cellco's use of the tower was approved the Council in March of 2000 (TS-BAM-028-000309). A copy of the Town's approval and Cellco's tower share approval are included in Attachment 1.

Cellco now intends to modify its facility by removing three (3) existing antennas and adding three (3) Samsung MT6407-77A antennas on its existing antenna platform. Cellco will also remove six (6) remote radio heads ("RRHs") and install six (6) new RRHs behind its antennas. A set of project plans showing Cellco's proposed facility modifications and the 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 Colchester's Chief Elected Official and Land Use Officer.

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

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

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. Far field approximation tables for Cellco's modified facility are included in Attachment 3. The modified facility will be capable of providing Cellco's 5G wireless service.

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

6. According to the attached Structural Analysis ("SA") and Mount Analysis ("MA"), the existing tower, tower foundation and antenna platform can support Cellco's proposed modifications. Copies of the SA and MA are included in Attachment 4. Also included in Attachment 4 is a separate letter prepared by the consulting engineer responsible for the preparation of the SA verifying that the antenna model described in the SA as a VZS01 Antenna, is the Samsung 64T64R (MT6407-77A) model antenna that will be installed on the tower.

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

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

Sincerely,

Kenneth C. Baldwin

Enclosures
Copy to:
Mary Bylone, Colchester First Selectman
Matthew Bordeaux, Colchester Town Planner
Margus Properties LLC, Property Owner
Aleksey Tyurin

ATTACHMENT 1

Planning and Zoning
Planning Director
Town Engineer
Code Administration
Health Director
Building Official
Fire Marshal
Registered Sanitarian
Zoning Enforcement
Wetlands Enforcement

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

November 4, 1999

Ms. Esther McNany
SBA Inc.
125 Shaw Street
New London, CT 06320

RE: SDP#99-235, SBA/Omnipoint Communications, 48 Westchester Road, Communications Tower, Site Development Plan prepared by Goodkind & O'Dea Inc (Job#CT10125-018) dated 8/25/99 revised through 9/28/99

Dear Ms. McNany:

The above referenced site development plan was approved by the Zoning & Planning Commission at their regular meeting held November 3, 1999.

Per Section 12.10.1 of the Zoning Regulations, a bond in the amount of 25% of the total cost of site improvements must be posted prior to the endorsement of this plan and/or commencement of work. A bond estimate must be submitted to the Town Engineer for his review and approval.

If you have any questions, please call me at 537-7283.

Very truly yours,

Alicia Lathrop
Zoning Enforcement Officer

STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

10 Franklin Square
New Britain, Connecticut 06051
Phone: (860) 827-2935
Fax: (860) 827-2950

March 28, 2000

Sandy M. Carter
Bell Atlantic Mobile
20 Alexander Drive, P.O. Box 5029
Wallingford, CT 06492

RE: TS-BAM-028-000309 - Cellco Partnership d/b/a Bell Atlantic Mobile request for an order to approve tower sharing at an existing telecommunications facility located at 48 Westchester Road in Colchester, Connecticut.

Dear Ms. Carter:

At a public meeting held March 22, 2000, the Connecticut Siting Council (Council) ruled that the shared use of this existing tower site is technically, legally, environmentally, and economically feasible and meets public safety concerns, and therefore, in compliance with General Statutes § 16-50aa, the Council has ordered the shared use of this facility to avoid the unnecessary proliferation of tower structures. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

This decision is under the exclusive jurisdiction of the Council. Any additional change to this facility may require an explicit request to this agency pursuant to General Statutes § 16-50aa or notice pursuant to Regulations of Connecticut State Agencies Section 16-50j-73, as applicable. Such request or notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Any deviation from this format may result in the Council implementing enforcement proceedings pursuant to General Statutes § 16-50u including, without limitation, imposition of expenses resulting from such failure and of civil penalties in an amount not less than one thousand dollars per day for each day of construction or operation in material violation.

This decision applies only to this request for tower sharing and is not applicable to any other request or construction.

The proposed shared use is to be implemented as specified in your letter dated March 9, 2000.

Thank you for your attention and cooperation.

Very truly yours,

Mortimer A. Gelston
Chairman

MAG/RKE/grg

c: Honorable Jenny Contois, First Selectman, Town of Colchester
J. Brendan Sharkey, VoiceStream Wireless

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ATTACHMENT 2

WIRELESS COMMUNICATIONS FACILITY

SITE NAME:
COLCHESTER 2 CT

SBA SITE # CT02218
48 WESTCHESTER RD.
COLCHESTER, CT 06415

ANTENNA MODIFICATION

PROJECT SUMMARY	
SITE NAME:	COLCHESTER 2 CT
SITE ADDRESS:	48 WESTCHESTER RD. COLCHESTER, CT 06415
CO-OWNER:	SBA TOWERS INC. 8051 CONGRESS AVE. BOCA RATON, FL 33487
TOWER OWNER/MGMT:	SBA SITE # CT02218
PARCEL ID:	06-12-038-000-TWR
COORDINATES:	41° 35' 24.5796" N 72° 24' 05.2812" 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
LICENSED PROFESSIONAL ENGINEER

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

SUBMITTALS

NO	DATE	DESCRIPTION
0	05.21.21	REVIEW
1	05.29.21	PERMITTING/CONSTRUCTION

DRAWN BY:	AS
CHECKED BY:	DW

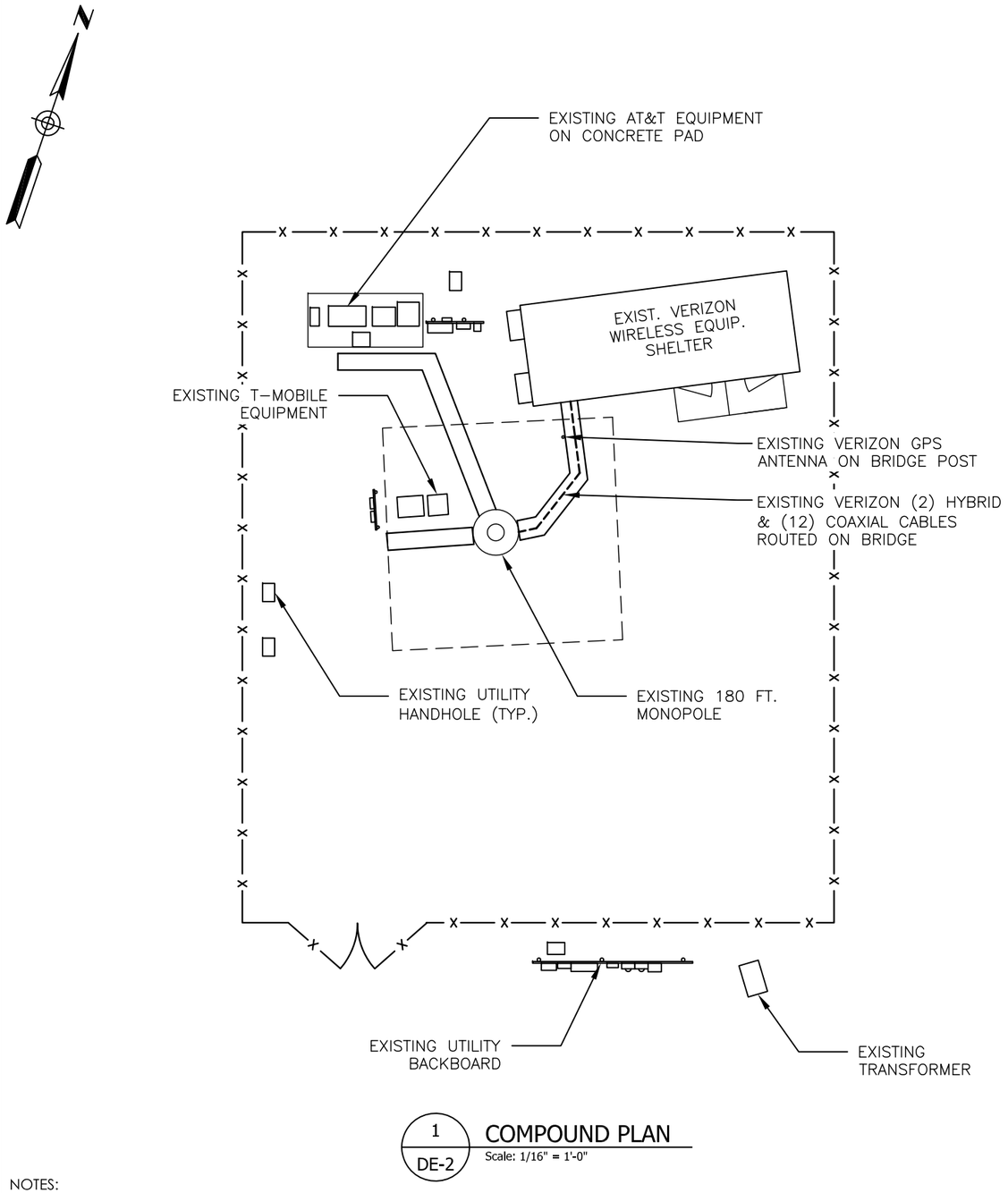
PROJECT NAME:
ANTMO
MT6407-850-LTE-PCS
DESIGN EXHIBITS

SITE NAME:
COLCHESTER 2 CT

SITE ADDRESS:
SBA SITE # CT02218
48 WESTCHESTER RD.
COLCHESTER, CT 06415

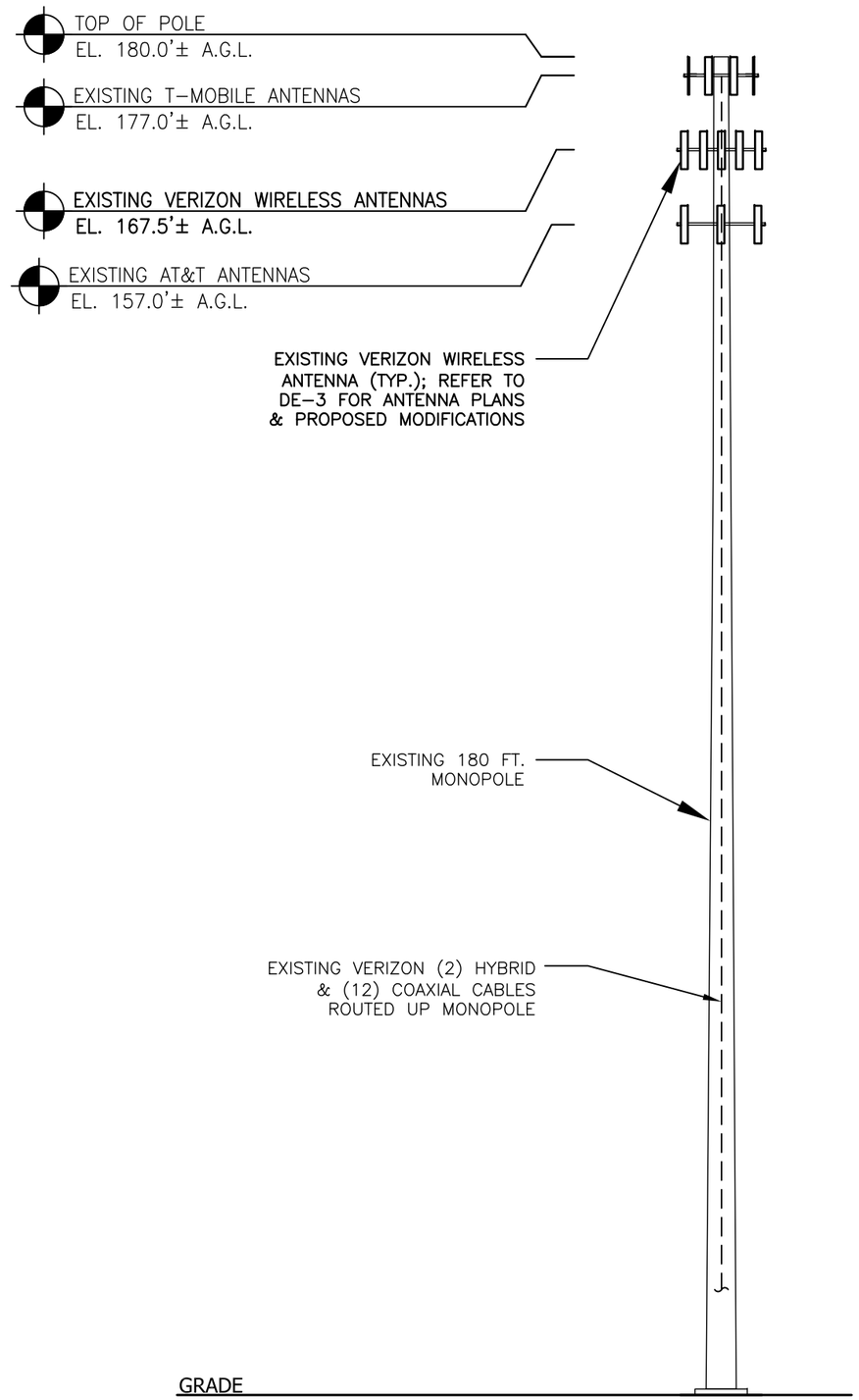
SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
DE-1



1 / DE-2 **COMPOUND PLAN**
Scale: 1/16" = 1'-0"

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



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

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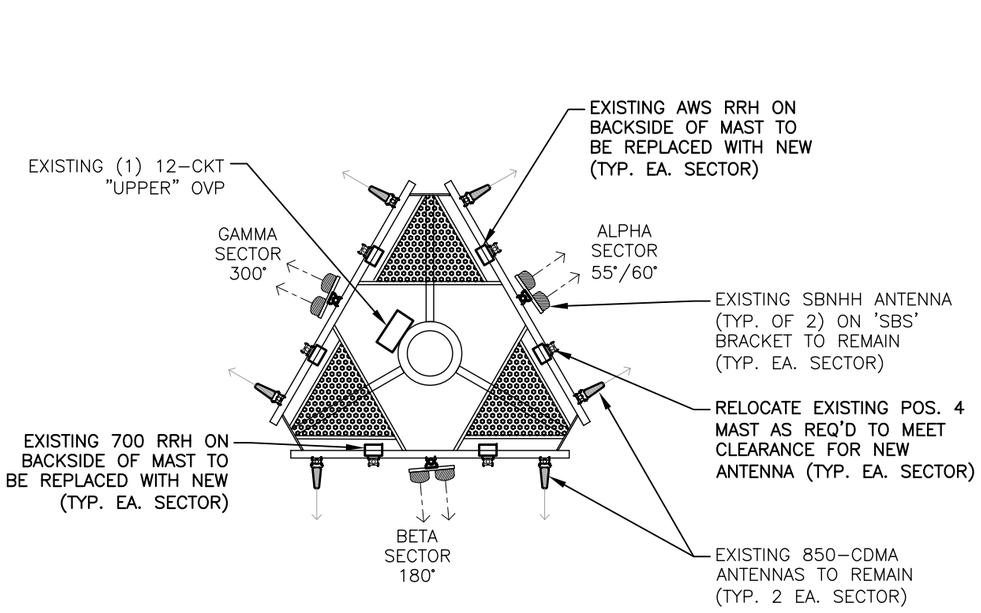
COLCHESTER 2 CT

SITE ADDRESS:
SBA SITE # CT02218
48 WESTCHESTER RD.
COLCHESTER, CT 06415

SHEET TITLE:
COMPOUND PLAN
& ELEVATION

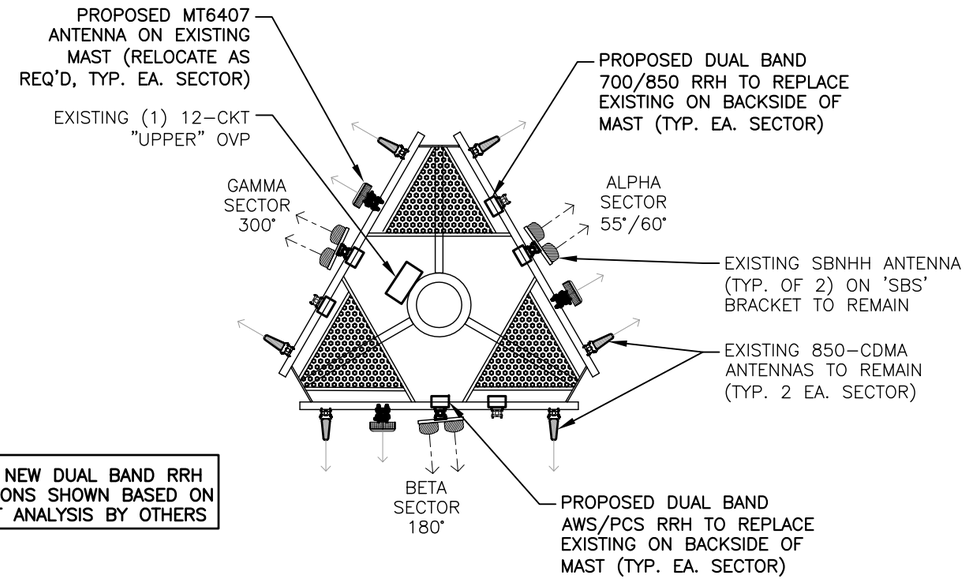
SHEET NUMBER:
DE-2



1 DE-3 ANTENNA PLAN @ 167.5' - EXISTING

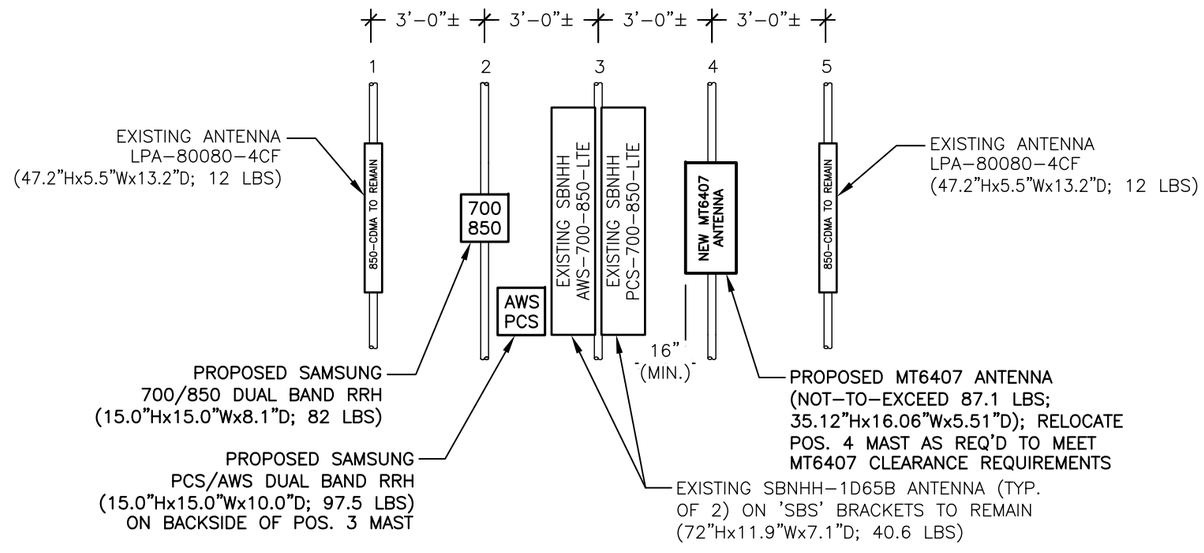
Scale: 1/8" = 1'-0"

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



2 DE-3 ANTENNA PLAN @ 167.5' - PROPOSED

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



SECTOR VIEWED FROM THE REAR

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

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

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COLCHESTER 2 CT

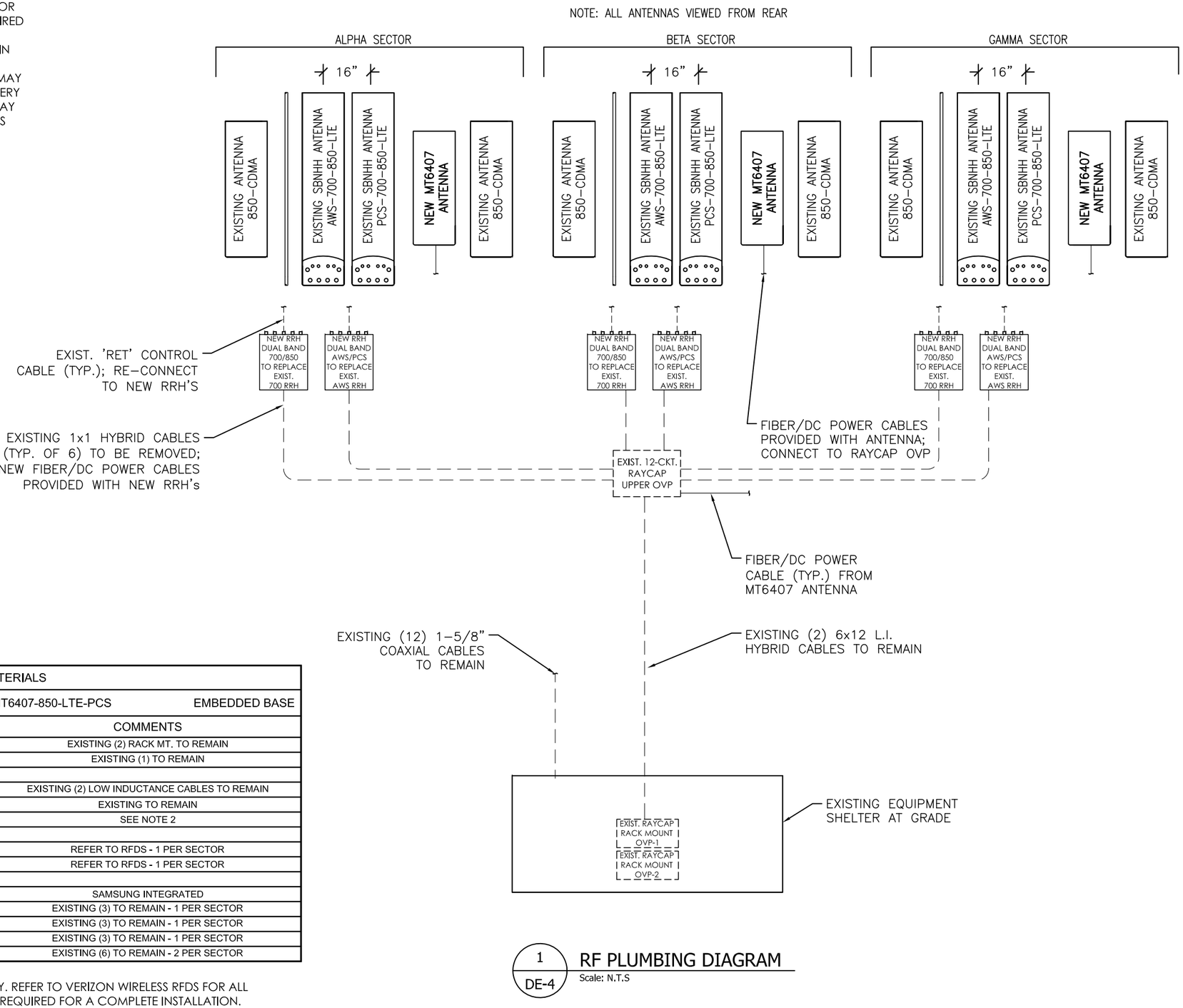
SITE ADDRESS:
SBA SITE # CT02218
48 WESTCHESTER RD.
COLCHESTER, CT 06415

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: COLCHESTER 2 CT	ANTMO MT6407-850-LTE-PCS		EMBEDDED BASE
DESCRIPTION	QTY	LENGTH	COMMENTS
6-CKT. LOWER OVP	-	-	EXISTING (2) RACK MT. TO REMAIN
12-CKT. UPPER OVP	-	-	EXISTING (1) TO REMAIN
6x12 HYBRID CABLE	-	-	EXISTING (2) LOW INDUCTANCE CABLES TO REMAIN
'RET' CONTROL CABLE	-	-	EXISTING TO REMAIN
1/2" JUMPER CABLE	-	-	SEE NOTE 2
		-	
AWS/PCS DUAL BAND RRH	3	-	REFER TO RFDS - 1 PER SECTOR
700/850 DUAL BAND RRH	3	-	REFER TO RFDS - 1 PER SECTOR
MT6407 ANTENNA	3	-	SAMSUNG INTEGRATED
SBNHH AWS-700-850-LTE ANTENNA	-	-	EXISTING (3) TO REMAIN - 1 PER SECTOR
SBNHH PCS-700-850-LTE ANTENNA	-	-	EXISTING (3) TO REMAIN - 1 PER SECTOR
SBS MOUNTING BRACKET	-	-	EXISTING (3) TO REMAIN - 1 PER SECTOR
850-CDMA ANTENNA	-	-	EXISTING (6) TO REMAIN - 2 PER SECTOR

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

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WIRELESS COMMUNICATIONS FACILITY

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SITE ADDRESS:
SBA SITE # CT02218
48 WESTCHESTER RD.
COLCHESTER, CT 06415

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

SHEET NUMBER:
DE-4

GENERAL CONSTRUCTION NOTES:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

verizon

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SITE ADDRESS:
SBA SITE # CT02218
48 WESTCHESTER RD.
COLCHESTER, CT 06415

SHEET TITLE:
GENERAL CONSTRUCTION NOTES

SHEET NUMBER:
DE-5

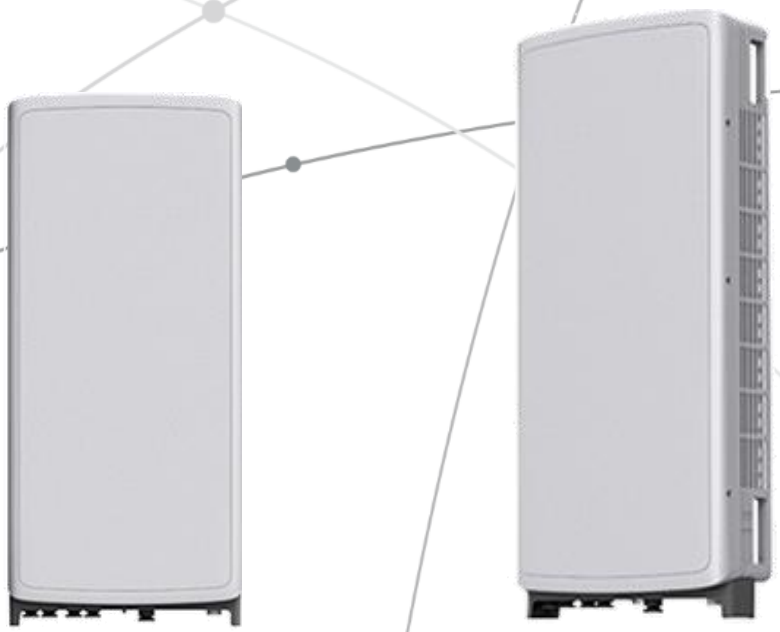
SAMSUNG

SAMSUNG C-Band 64T64R Massive MIMO Radio

for High Capacity and Wide Coverage

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

Model Code : MT6407-77A

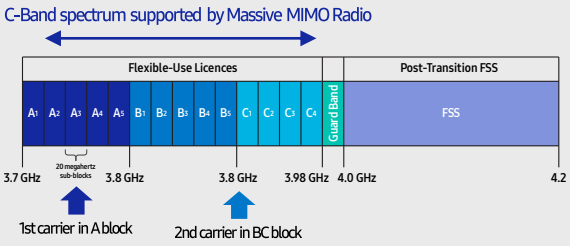


Points of Differentiation

Wide Bandwidth

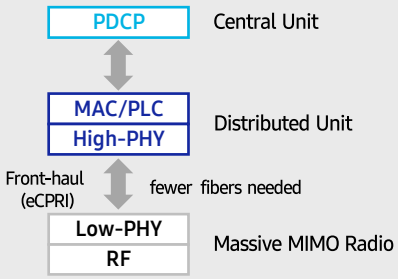
With capability to support up to 2 CC carrier configuration, Samsung C-Band massive MIMO Radio supports 200 MHz bandwidth in the C-Band spectrum.

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



Future Proof Product

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



Enhanced Performance

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

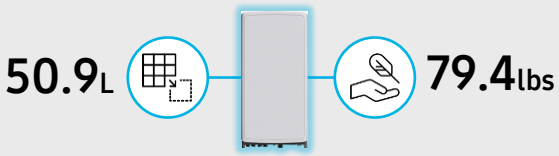
This helps operators reduce their CAPEX as they now need less products to cover the same area than before.

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

Well Matched Design

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

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



Technical Specifications

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

SAMSUNG

About Samsung Electronics Co., Ltd.

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

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

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

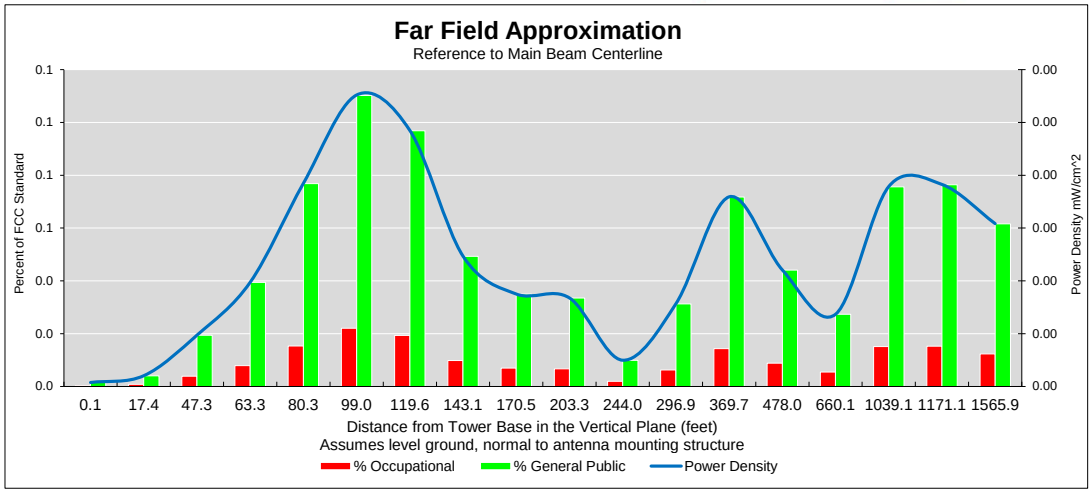
ATTACHMENT 3

Far Field Approximation
with downtilt variation

Estimated Radiated Emission
Single Emitter Far Field Model
Dipole/Wire/Yagi Antenna Types

Location:	**Colchester 2 CT**
Site #:	2-0019
Date:	06/14/21
Name:	Wesley Stevens
File Name:	Colchester 2 CT - FF Power

Antenna Type:	**SBNHH-1D65B**
Operating Freq. (MHz):	**751**
Antenna Height (ft):	**167.5**
Antenna Gain (dBi):	**14.5**
Downtilt (degrees):	**4.0**
Feedline Loss (dB):	**0.0**
Tx Power (W):	**40.0**
No. of Channels:	**4**



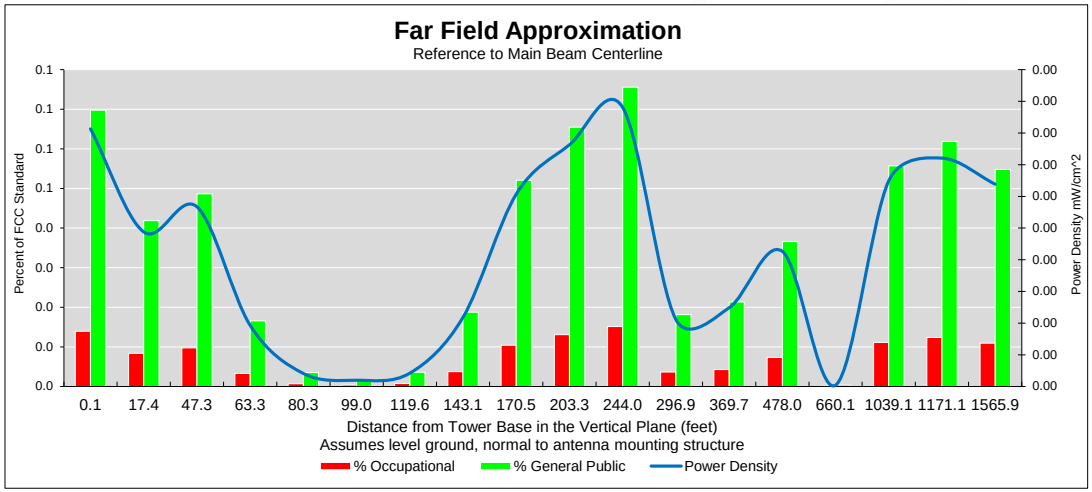
Calc Angle	90.0	84.0	74.0	69.0	64.0	59.0	54.0	49.0	44.0	39.0	34.0	29.0	24.0	19.0	14.0	9.0	8.0	6.0
Solve for r, dx to antenna	164.5	165.4	171.2	176.2	183.1	192.0	203.4	218.0	236.9	261.5	294.3	339.5	404.6	505.5	680.3	1052.1	1182.6	1574.5
Distance from Antenna Structure Base in Horizontal plane	0.1	17.4	47.3	63.3	80.3	99.0	119.6	143.1	170.5	203.3	244.0	296.9	369.7	478.0	660.1	1039.1	1171.1	1565.9
Angle from Main Beam (reference to horizontal plane)	90.0	80.0	70.0	65.0	60.0	55.0	50.0	45.0	40.0	35.0	30.0	25.0	20.0	15.0	10.0	5.0	4.0	2.0
dB down from centerline (referenced to centerline)	36.87	32.51	25.43	22.1	18.87	16.89	16.95	19.28	20.05	19.38	23.63	17.41	12.28	12.46	11.96	3.75	2.69	1.14
Reflection Coefficient (1 to 4, 2.56 typical)	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56
Power Density (mW/cm^2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Percent of Occupational Standard	0.00	0.00	0.00	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.01
Percent of General Population Standard	0.00	0.00	0.02	0.04	0.08	0.11	0.10	0.05	0.03	0.03	0.01	0.03	0.07	0.04	0.03	0.08	0.08	0.06

Far Field Approximation
with downtilt variation

Estimated Radiated Emission
Single Emitter Far Field Model
Dipole/Wire/Yagi Antenna Types

Location:	**Colchester 2 CT**
Site #:	2-0019
Date:	06/14/21
Name:	Wesley Stevens
File Name:	Colchester 2 CT - FF Power

Antenna Type:	**SBNHH-1D65B**
Operating Freq. (MHz):	**874**
Antenna Height (ft):	**167.5**
Antenna Gain (dBi):	**14.5**
Downtilt (degrees):	**4.0**
Feedline Loss (dB):	**0.0**
Tx Power (W):	**40.0**
No. of Channels:	**4**



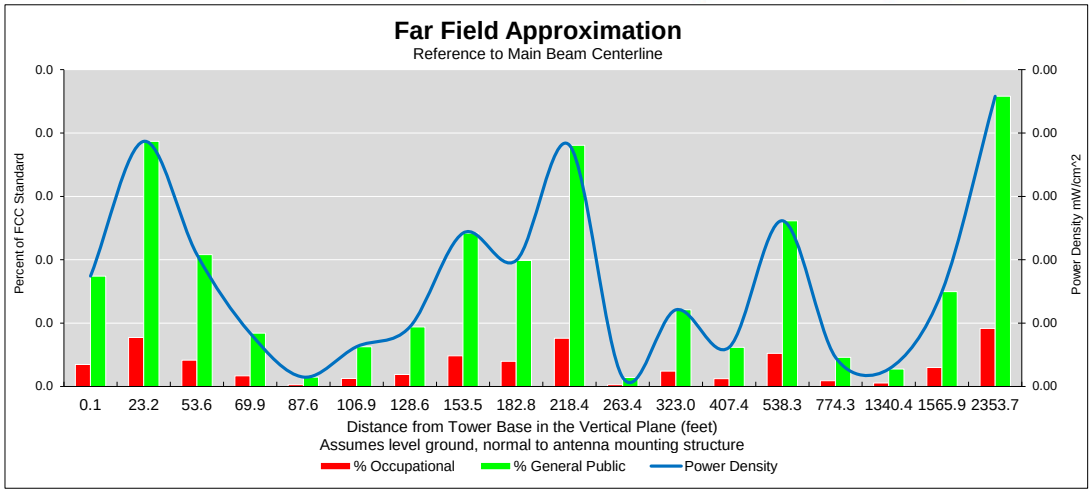
Calc Angle	90.0	84.0	74.0	69.0	64.0	59.0	54.0	49.0	44.0	39.0	34.0	29.0	24.0	19.0	14.0	9.0	8.0	6.0
Solve for r, dx to antenna	164.5	165.4	171.2	176.2	183.1	192.0	203.4	218.0	236.9	261.5	294.3	339.5	404.6	505.5	680.3	1052.1	1182.6	1574.5
Distance from Antenna Structure Base in Horizontal plane	0.1	17.4	47.3	63.3	80.3	99.0	119.6	143.1	170.5	203.3	244.0	296.9	369.7	478.0	660.1	1039.1	1171.1	1565.9
Angle from Main Beam (reference to horizontal plane)	90.0	80.0	70.0	65.0	60.0	55.0	50.0	45.0	40.0	35.0	30.0	25.0	20.0	15.0	10.0	5.0	4.0	2.0
dB down from centerline (referenced to centerline)	19.58	21.75	20.8	25.23	31.62	34.41	30.6	22.84	17.68	15.83	14.18	19.14	16.91	12.63	30.28	4.44	2.97	1.01
Reflection Coefficient (1 to 4, 2.56 typical)	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56
Power Density (mW/cm^2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Percent of Occupational Standard	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.00	0.00	0.01	0.00	0.01	0.01	0.01
Percent of General Population Standard	0.07	0.04	0.05	0.02	0.00	0.00	0.00	0.02	0.05	0.07	0.08	0.02	0.02	0.04	0.00	0.06	0.06	0.05

Far Field Approximation
with downtilt variation

Estimated Radiated Emission
Single Emitter Far Field Model
Dipole/Wire/Yagi Antenna Types

Location:	**Colchester 2 CT**
Site #:	2-0019
Date:	06/14/21
Name:	Wesley Stevens
File Name:	Colchester 2 CT - FF Power

Antenna Type:	**SBNHH-1D65B**
Operating Freq. (MHz):	**1978**
Antenna Height (ft):	**167.5**
Antenna Gain (dBi):	**18.4**
Downtilt (degrees):	**2.0**
Feedline Loss (dB):	**0.0**
Tx Power (W):	**40.0**
No. of Channels:	**4**



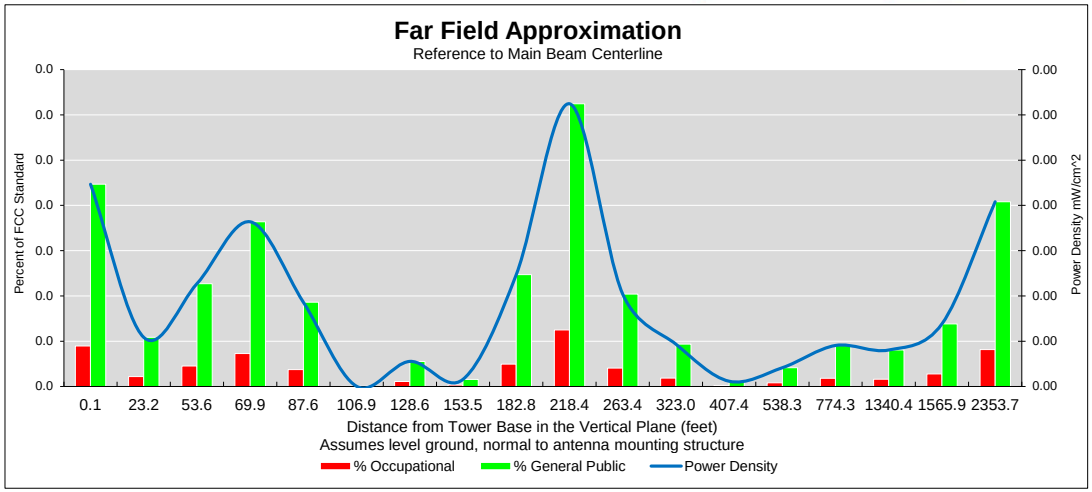
Calc Angle	90.0	82.0	72.0	67.0	62.0	57.0	52.0	47.0	42.0	37.0	32.0	27.0	22.0	17.0	12.0	7.0	6.0	4.0
Solve for r, dx to antenna	164.5	166.1	173.0	178.8	186.4	196.2	208.8	225.0	245.9	273.5	310.6	362.5	439.3	562.9	791.6	1350.5	1574.5	2359.4
Distance from Antenna Structure Base in Horizontal plane	0.1	23.2	53.6	69.9	87.6	106.9	128.6	153.5	182.8	218.4	263.4	323.0	407.4	538.3	774.3	1340.4	1565.9	2353.7
Angle from Main Beam (reference to horizontal plane)	90.0	80.0	70.0	65.0	60.0	55.0	50.0	45.0	40.0	35.0	30.0	25.0	20.0	15.0	10.0	5.0	4.0	2.0
dB down from centerline (referenced to centerline)	30.1	26.55	28.89	32.54	39.71	33	30.71	25.95	26.03	22.29	35.46	24.82	26.07	17.65	22.24	19.83	11.14	2.77
Reflection Coefficient (1 to 4, 2.56 typical)	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56
Power Density (mW/cm^2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Percent of Occupational Standard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Percent of General Population Standard	0.01	0.02	0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.00	0.01	0.00	0.01	0.00	0.00	0.01	0.02

Far Field Approximation
with downtilt variation

Estimated Radiated Emission
Single Emitter Far Field Model
Dipole/Wire/Yagi Antenna Types

Location:	**Colchester 2 CT**
Site #:	2-0019
Date:	06/14/21
Name:	Wesley Stevens
File Name:	Colchester 2 CT - FF Power

Antenna Type:	**SBNHH-1D65B**
Operating Freq. (MHz):	**2120**
Antenna Height (ft):	**167.5**
Antenna Gain (dBi):	**18.3**
Downtilt (degrees):	**2.0**
Feedline Loss (dB):	**0.0**
Tx Power (W):	**40.0**
No. of Channels:	**4**



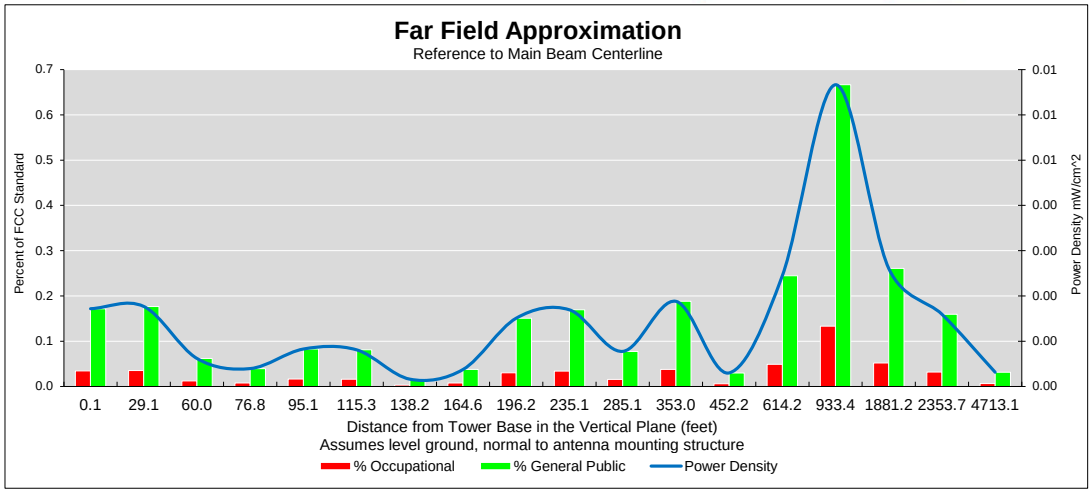
Calc Angle	90.0	82.0	72.0	67.0	62.0	57.0	52.0	47.0	42.0	37.0	32.0	27.0	22.0	17.0	12.0	7.0	6.0	4.0
Solve for r, dx to antenna	164.5	166.1	173.0	178.8	186.4	196.2	208.8	225.0	245.9	273.5	310.6	362.5	439.3	562.9	791.6	1350.5	1574.5	2359.4
Distance from Antenna Structure Base in Horizontal plane	0.1	23.2	53.6	69.9	87.6	106.9	128.6	153.5	182.8	218.4	263.4	323.0	407.4	538.3	774.3	1340.4	1565.9	2353.7
Angle from Main Beam (reference to horizontal plane)	90.0	80.0	70.0	65.0	60.0	55.0	50.0	45.0	40.0	35.0	30.0	25.0	20.0	15.0	10.0	5.0	4.0	2.0
dB down from centerline (referenced to centerline)	25.93	31.99	28.43	26.1	28.65	54.58	32.92	37.71	25.01	20.06	23.81	25.86	33.25	25.57	19.21	15.08	11.4	3.19
Reflection Coefficient (1 to 4, 2.56 typical)	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56
Power Density (mW/cm^2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Percent of Occupational Standard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Percent of General Population Standard	0.02	0.01	0.01	0.02	0.01	0.00	0.00	0.00	0.01	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.02

Far Field Approximation
with downtilt variation

Estimated Radiated Emission
Single Emitter Far Field Model
Dipole/Wire/Yagi Antenna Types

Location:	**Colchester 2 CT**
Site #:	2-0019
Date:	06/14/21
Name:	Wesley Stevens
File Name:	Colchester 2 CT - FF Power

Antenna Type:	**VZ-MT6407-77A**
Operating Freq. (MHz):	**3730**
Antenna Height (ft):	**167.5**
Antenna Gain (dBi):	**25.5**
Downtilt (degrees):	**0.0**
Feedline Loss (dB):	**0.0**
Tx Power (W):	**30.2**
No. of Channels:	**4**



Calc Angle	90.0	80.0	70.0	65.0	60.0	55.0	50.0	45.0	40.0	35.0	30.0	25.0	20.0	15.0	10.0	5.0	4.0	2.0
Solve for r, dx to antenna	164.5	167.1	175.1	181.6	190.0	200.9	214.8	232.7	256.0	286.9	329.2	389.4	481.2	635.9	947.8	1888.4	2359.4	4715.9
Distance from Antenna Structure Base in Horizontal plane	0.1	29.1	60.0	76.8	95.1	115.3	138.2	164.6	196.2	235.1	285.1	353.0	452.2	614.2	933.4	1881.2	2353.7	4713.1
Angle from Main Beam (reference to horizontal plane)	90.0	80.0	70.0	65.0	60.0	55.0	50.0	45.0	40.0	35.0	30.0	25.0	20.0	15.0	10.0	5.0	4.0	2.0
dB down from centerline (referenced to centerline)	23.06	22.8	26.95	28.58	24.98	24.59	31	26.65	19.78	18.29	20.49	15.18	21.32	9.78	1.96	0.05	0.25	1.29
Reflection Coefficient (1 to 4, 2.56 typical)	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56
Power Density (mW/cm^2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Percent of Occupational Standard	0.03	0.04	0.01	0.01	0.02	0.02	0.00	0.01	0.03	0.03	0.02	0.04	0.01	0.05	0.13	0.05	0.03	0.01
Percent of General Population Standard	0.17	0.18	0.06	0.04	0.08	0.08	0.02	0.04	0.15	0.17	0.08	0.19	0.03	0.24	0.67	0.26	0.16	0.03

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 180 ft Valmont Monopole

Customer Name: SBA Communications Corp

Customer Site Number: CT02218-S

Customer Site Name: Colchester

Carrier Name: Verizon (App#: 150920, V1)

Carrier Site ID / Name: 469405 / COLCHESTER_2_CT

Site Location: 48 Westchester Road

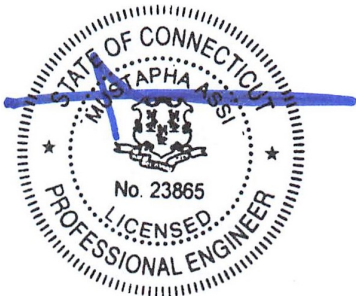
Colchester, Connecticut

New London County

Latitude: 41.590161

Longitude: -72.401467

Exp.10/31/2021



04/27/2021

Analysis Result:

Max Structural Usage: 81.8% [Pass]

Max Foundation Usage: 79.7% [Pass]

Additional Usage Caused by New Mount/Mount Modification : N/A

Report Prepared By : Linfeng Chen

Introduction

The purpose of this report is to summarize the analysis results on the 180 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	Tower Drawings prepared by Valmont Microflect, Order # 19487-99 Dated 11/03/1999
Foundation Drawing	Foundation Drawing prepared byTowerkraftt, Project# 2985 Dated 11/04/1999
Geotechnical Report	JGI #99539G.dated 11/12/1999.
Modification Drawings	N/A
Mount Analysis	N/A

Analysis Criteria

The analysis was performed in accordance with the requirements and stipulations of the TIA-222-G-2**.** 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} = 135.0 mph (3-Sec. Gust)/ Nominal Design Wind Speed V_{asd} = 105.0 mph (3-Sec. Gust)
Wind Speed with Ice:	50 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:	C
Structure Class:	II
Topographic Category:	1
Crest Height:	0 ft
Seismic Parameters:	S_S = 0.176, S_1 = 0.062

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
1	177.0	3	RFS - APXV18-206516S-C-A20 - Panel	(1) Platform w/ Hand Rails & w/ SitePro1 PRK-1245	(12) 1 5/8" (1) 5/16" Fiber (2) 5/16" Cat 6	T-Mobile
2		3	Commscope - LNX-6515DS-VTM - Panel			
3		3	Ericsson - KRY 112 144/1 - TMA			
4		3	Kathrein - 782 11056 - Bias T's			
5		1	Fastback Networks - IBR 1300 - Dish			
-	167.0	6	Antel - LPA-80080-4CF-EDIN-0 - Panel	(1) Platform w/ Hand Rails	(1) 1 1/4" Fiber (12) 1 5/8" (1) 1 5/8" Fiber	Verizon
-		6	Commscope - SBNHH-1D65B - Panel			
-		3	Alcatel-Lucent B13 RRH4x30-4R RRH			
-		3	Alcatel-Lucent B4 RRH 4x45-4R RRH			
-		2	Raycap RC2DC-3315-PF-48 ODU			
12	157.0	3	Powerwave - 7770 - Panel	(1) Low Profile Platform	(12) 1 5/8" (2) ¾ DC (1) ½ Fiber	AT&T
13		2	CCI - DMP65R-BU4DA - Panel			
14		1	CCI - DMP65R-BU8DA - Panel			
15		2	CCI - HPA65R-BU4A - Panel			
16		1	CCI - HPA65R-BU8A - Panel			
17		3	4449 B5/B12			
18		3	8843 B2/B66A			
19		1	Raycap DC6-48-60-18-8F			

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
6	167.0	6	Commscope SBNHH-1D65B - Panel	Platform w/ Hand Rails	(12) 1 5/8" (1) 1 5/8" Hybrid (1) 1-1/4" Hybrid (1) 1/2"	Verizon
7		2	Raycap RC2DC-3315-PF-48			
8		6	Antel LPA-80080-4CF-EDIN-0 - Panel			
9		3	Samsung VZS01 - Panel			
10		3	Samsung B5/B13 RRH-BR04C			
11		3	Samsung B2/B66A RRH-BR049			

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:	**81.8%**	**76.3%**	**59.5%**
Pass/Fail	**Pass**	**Pass**	**Pass**

Foundations

	Moment (Kip-Ft)	Shear (Kips)
Original Design Reactions	5045.0	39.5
Analysis Reactions	5430.6	44.1
Factored Reactions*	6810.8	53.3
% of Design Reactions	79.7%	82.7%

* Per section 15.5.1 of the TIA-222-G standard, factored reactions were obtained by multiplying a 1.35 factor to the original design 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 1.5050 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

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

2. 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.

3. 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 **TES**. 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, **TES** should be notified in writing and the applicable minimum values provided by the client.

4. The configuration of the existing mounts, antennas, coax and other appurtenances were supplied by the customer for the current structural analysis. **TES** 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, **TES** should be notified immediately to evaluate the effect of the discrepancy on the analysis results.

5. 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.

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

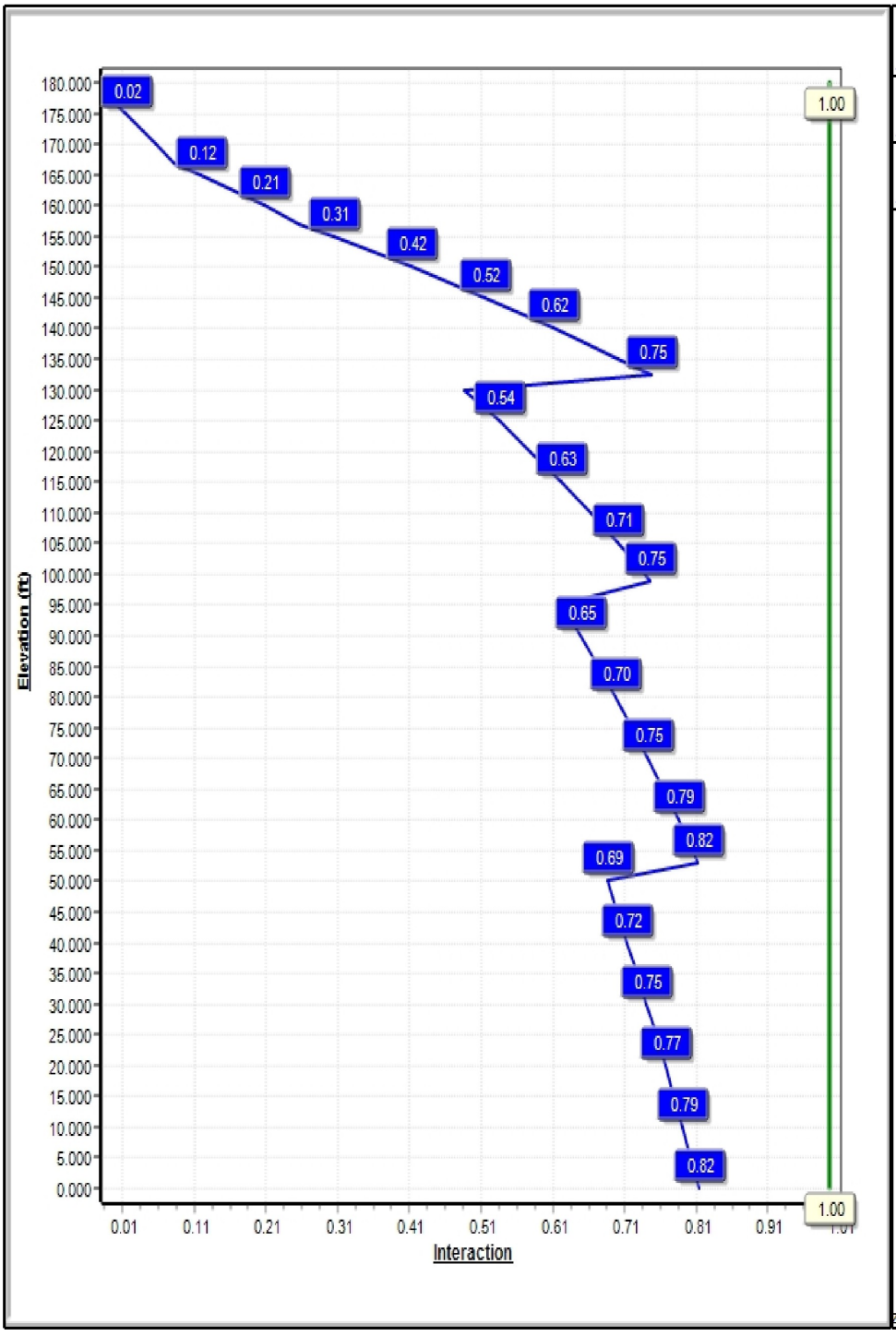
Usage Diagram - Max Ratio 81.78% at 0.0ft

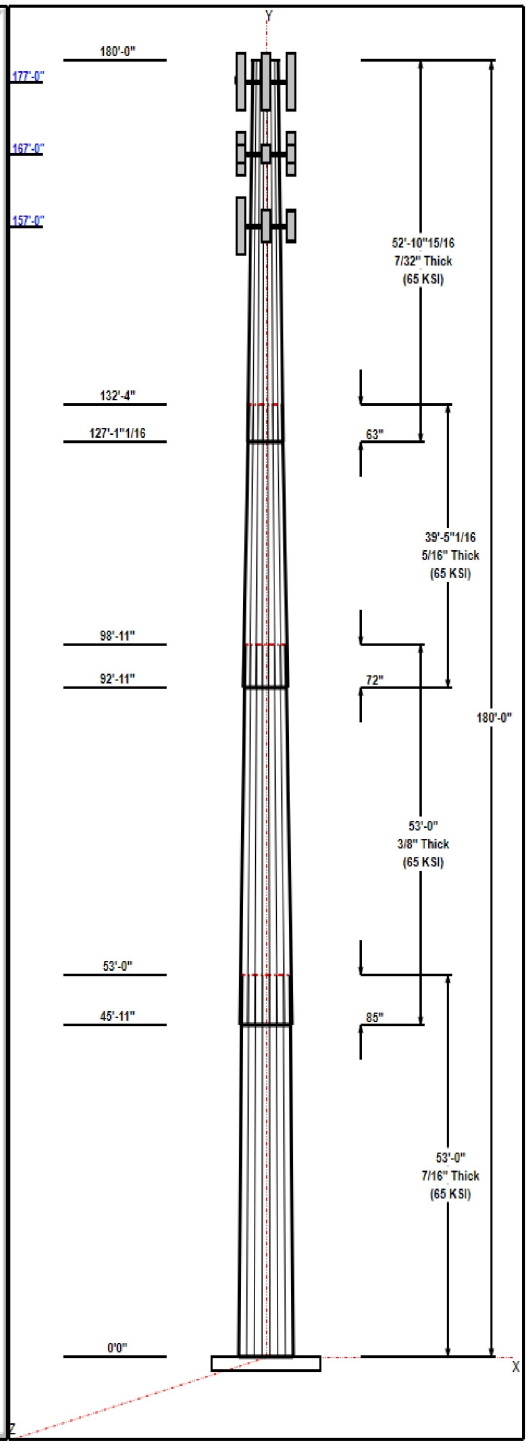
Structure:	CT02218-S-SBA	**Code:**	EIA/TIA-222-G	4/27/2021	
Site Name:	Colchester	**Exposure:**	C		
Height:	180.00 (ft)	**Gh:**	1.1		
Base Elev:	0.000 (ft)			Page: 1	

Tower Engineering Solutions

Dead Load Factor:	1.20	**Iterations:**	26
Wind Load Factor:	1.60		

Load Case : 1.2D + 1.6W 105 mph Wind





Structure: CT02218-S-SBA

Type: Tapered
Site Name: Colchester
Height: 180.00 (ft)
Base Elev: 0.00 (ft)

Base Shape: 16 Sided
Taper: 0.20502

4/27/2021

Tower Engineering Solutions

Shaft Properties

Seq	Length (ft)	Top (in)	Bottom (in)	Thick (in)	Joint Type	Taper	Grade (ksi)
1	53.00	49.13	60.00	0.438		0.20502	65
2	53.00	40.47	51.34	0.375	Slip	0.20502	65
3	39.42	34.24	42.33	0.313	Slip	0.20502	65
4	52.91	24.91	35.76	0.219	Slip	0.20502	65

Discrete Appurtenances

Attach Elev (ft)	Force Elev (ft)	Qty	Description	Carrier
180.00	180.00	1	6' Lightning rod	T-Mobile
177.00	177.00	3	KRY 112 144/1	T-Mobile
177.00	177.00	3	782 11056	T-Mobile
177.00	177.00	1	Platform w/ Hand Rail	T-Mobile
177.00	177.00	1	MS-KI22-5 (Kickers w/o	T-Mobile
177.00	177.00	1	Pipe Mount	T-Mobile
177.00	177.00	3	APXV18-206516S-C-A20	T-Mobile
177.00	177.00	3	LNX-6515DS-VTM	T-Mobile
177.00	177.00	1	Fastback Networks - IBR	T-Mobile
167.00	167.00	6	Commscope	Verizon
167.00	167.00	2	Raycap	Verizon
167.00	167.00	6	Antel	Verizon
167.00	167.00	1	Platform w/ Hand Rails	Verizon
167.00	167.00	3	Samsung VZS01	Verizon
167.00	167.00	3	Samsung B5/B13	Verizon
167.00	167.00	3	Samsung B2/B66A	Verizon
157.00	157.00	1	Low Profile Platform-flat	AT&T
157.00	157.00	3	7770	AT&T
157.00	157.00	2	DMP65R-BU4DA	AT&T
157.00	157.00	1	DMP65R-BU8DA	AT&T
157.00	157.00	2	HPA65R-BU4A	AT&T
157.00	157.00	1	HPA65R-BU8A	AT&T
157.00	157.00	3	4449 B5/B12	AT&T
157.00	157.00	3	8843 B2/B66A	AT&T
157.00	157.00	1	Raycap DC6-48-60-18-8F	AT&T

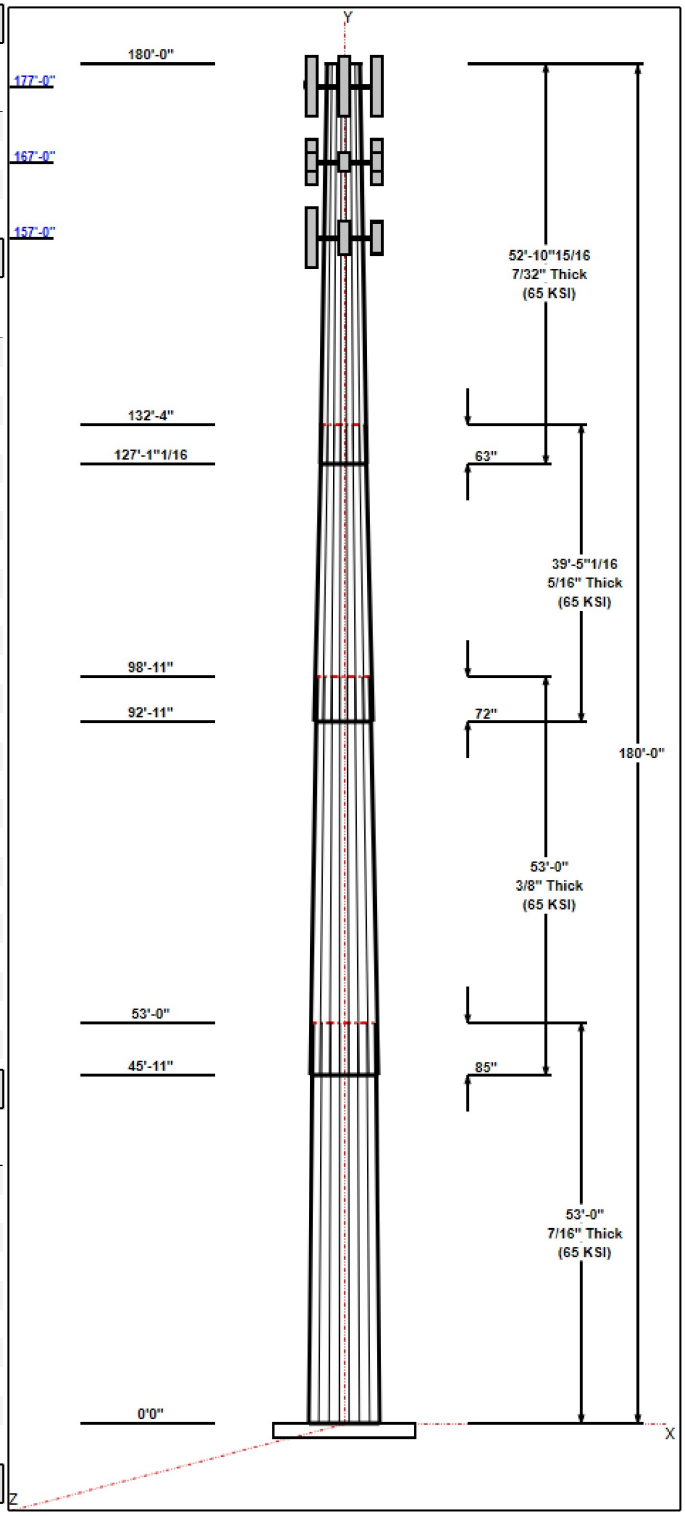
Linear Appurtenances

Elev From (ft)	Elev To (ft)	Placement	Description	Carrier
0.00	177.00	Inside	1 5/8" Coax	T-Mobile
0.00	177.00	Inside	5/16" Coax	T-Mobile
0.00	177.00	Inside	5/16" Cat 6	T-Mobile
0.00	167.00	Inside	1 5/8" Coax	Verizon
0.00	167.00	Inside	1 5/8" Hybrid	Verizon
0.00	167.00	Inside	1-1/4" Hybrid	Verizon
0.00	167.00	Inside	1/2" Coax	Verizon
0.00	157.00	Inside	1 5/8" Coax	AT&T
0.00	157.00	Inside	DC	AT&T
0.00	157.00	Inside	Fiber	AT&T

Anchor Bolts

Qty	Specifications	Grade (ksi)	Arrangement
20	2.25" 18J	75.0	Radial

Base Plate



Thickness (in)	Specifications (in)	Grade (ksi)	Geometry
2.7500	74.6	60.0	Polygon

Reactions

Load Case	Moment (FT-Kips)	Shear (Kips)	Axial (Kips)
1.2D + 1.6W 105 mph Wind	5430.6	44.1	55.6
0.9D + 1.6W 105 mph Wind	5370.7	44.1	41.7
1.2D + 1.0Di + 1.0Wi 50 mph Wind	1263.4	10.1	80.3
1.2D + 1.0E	159.7	1.3	55.6
0.9D + 1.0E	157.7	1.3	41.7
1.0D + 1.0W 60 mph Wind	1102.5	9.0	46.4

Structure: CT02218-S-SBA - Coax Line Placement

Type: Monopole
Site Name: Colchester
Height: 180.00 (ft)

4/27/2021

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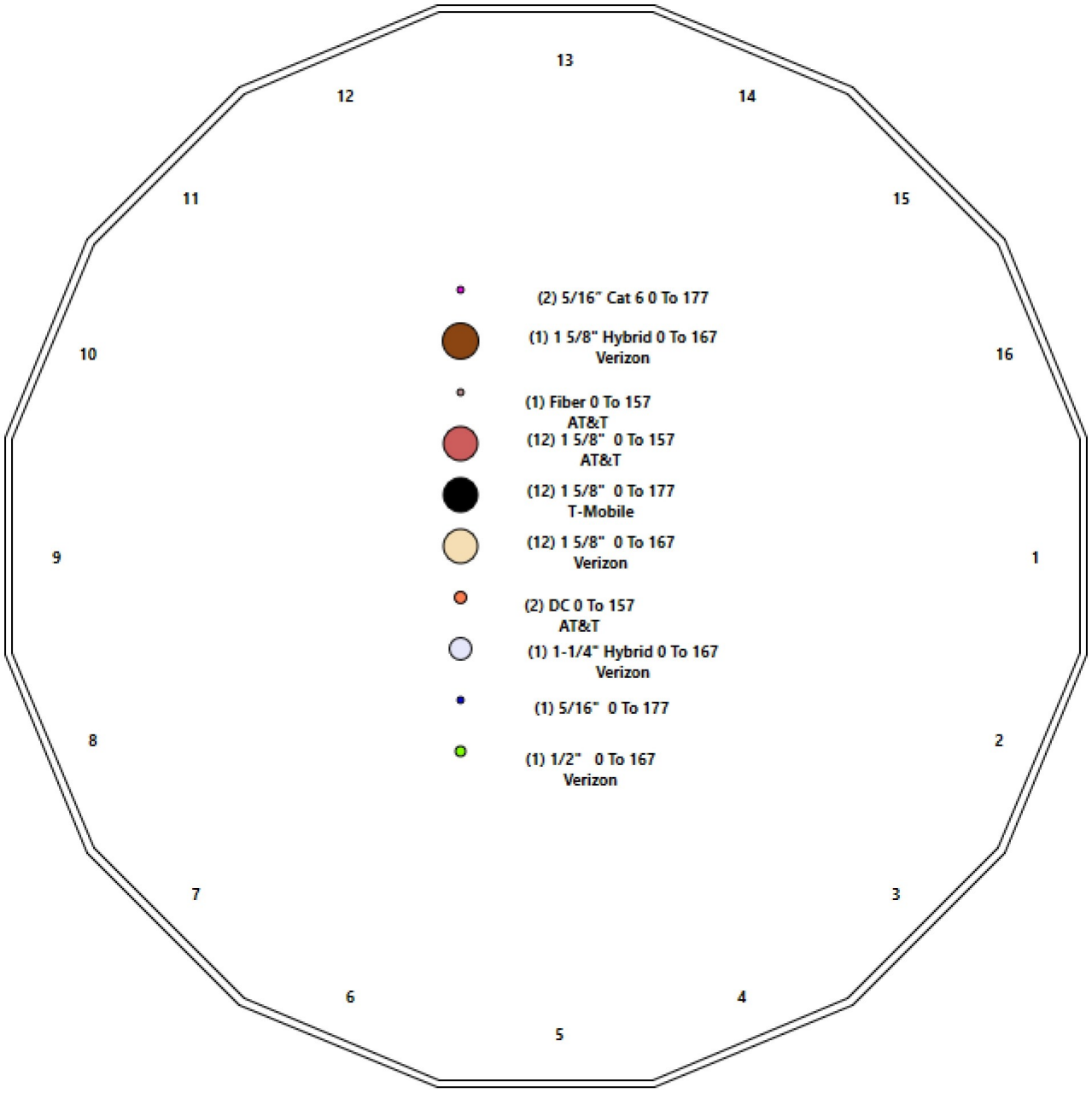


Shaft Properties

Structure:	CT02218-S-SBA		**Code:**	EIA/TIA-222-G	4/27/2021
Site Name:	Colchester		**Exposure:**	C	
Height:	180.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	B - Competent Rock	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 5

Tower Engineering Solutions

Sec. No.	Shape	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Overlap (in)	Weight (lb)
1	16	53.000	0.4380	65		0.00	13,640
2	16	53.000	0.3750	65	Slip	85.00	9,822
3	16	39.420	0.3130	65	Slip	72.00	5,086
4	16	52.913	0.2190	65	Slip	63.00	3,788
					Total Shaft Weight:		**32,336**

	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	83.22	37298.12	25.66	136.99	49.13	53.00	68.04	20382.3	20.72	112.1	0.205022
2	51.34	45.92	60.96	20001.00	25.64	136.90	40.47	98.92	47.96	9740.99	19.88	107.9	0.205022
3	42.33	92.92	41.95	9354.08	25.31	135.23	34.24	132.34	33.88	4927.66	20.17	109.4	0.205022
4	35.76	127.0	24.83	3961.68	30.89	163.28	24.91	180.00	17.25	1328.51	21.03	113.7	0.205022

Load Summary

Structure:	CT02218-S-SBA	**Code:**	EIA/TIA-222-G	4/27/2021	
Site Name:	Colchester	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	B - Competent Rock		
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	180.00	6' Lightning rod	1	6.50	0.38	1.00	43.47	1.488	1.00	0.00	0.00
2	177.00	KRY 112 144/1	3	11.00	0.41	0.67	21.96	0.893	0.67	0.00	0.00
3	177.00	782 11056	3	1.80	0.28	0.67	6.40	0.688	0.67	0.00	0.00
4	177.00	Platform w/ Hand Rail (round)	1	1600.00	32.00	1.00	3734.89	60.389	1.00	0.00	0.00
5	177.00	MS-KI22-5 (Kickers w/o Collar)	1	146.00	5.33	1.00	353.24	11.004	1.00	0.00	0.00
6	177.00	Pipe Mount	1	40.00	2.63	0.75	121.62	8.698	0.75	0.00	0.00
7	177.00	APXV18-206516S-C-A20	3	18.70	3.61	0.73	89.94	5.498	0.73	0.00	0.00
8	177.00	LNX-6515DS-VTM	3	49.80	11.47	0.80	283.54	14.775	0.80	0.00	0.00
9	177.00	Fastback Networks - IBR 1300 -	1	8.90	0.67	1.00	27.08	1.023	1.00	0.00	0.00
10	167.00	Commscope SBNHH-1D65B	6	40.00	8.16	0.83	245.75	9.475	0.83	0.00	0.00
11	167.00	Raycap RC2DC-3315-PF-48	2	32.00	3.79	0.84	147.95	4.755	0.84	0.00	0.00
12	167.00	Antel LPA-80080-4CF-EDIN-0	6	12.00	2.61	1.70	149.23	3.473	1.70	0.00	0.00
13	167.00	Platform w/ Hand Rails (flat)	1	2000.00	40.00	1.00	4116.86	61.169	1.00	0.00	0.00
14	167.00	Samsung VZS01	3	87.10	4.30	0.69	199.59	5.194	0.69	0.00	0.00
15	167.00	Samsung B5/B13 RRH-BR04C	3	84.40	1.88	0.67	136.21	2.437	0.67	0.00	0.00
16	167.00	Samsung B2/B66A RRH-BR049	3	70.30	1.88	0.67	119.46	2.437	0.67	0.00	0.00
17	157.00	Low Profile Platform-flat	1	1200.00	25.00	1.00	2251.92	46.038	1.00	0.00	0.00
18	157.00	7770	3	35.00	5.50	0.73	170.93	6.570	0.73	0.00	0.00
19	157.00	DMP65R-BU4DA	2	67.90	8.00	0.82	320.94	8.926	0.82	0.00	0.00
20	157.00	DMP65R-BU8DA	1	52.50	17.87	1.00	248.15	19.938	1.00	0.00	0.00
21	157.00	HPA65R-BU4A	2	28.70	4.96	1.00	135.65	5.534	1.00	0.00	0.00
22	157.00	HPA65R-BU8A	1	76.50	11.23	1.00	361.58	12.529	1.00	0.00	0.00
23	157.00	4449 B5/B12	3	71.00	1.97	0.67	124.62	2.520	0.67	0.00	0.00
24	157.00	8843 B2/B66A	3	72.00	1.64	0.67	119.06	2.139	0.67	0.00	0.00
25	157.00	Raycap DC6-48-60-18-8F	1	31.80	0.92	1.00	93.91	1.360	1.00	0.00	0.00
		Totals:	**58**	**7,234.70**			**18,746.78**				

Linear Appurtenances

Bottom Elev. (ft)	Top Elev. (ft)	Description	Exposed Width	Exposed
0.00	177.00	(12) 1 5/8" Coax	0.00	Inside
0.00	177.00	(1) 5/16" Coax	0.00	Inside
0.00	177.00	(2) 5/16" Cat 6	0.00	Inside
0.00	167.00	(12) 1 5/8" Coax	0.00	Inside
0.00	167.00	(1) 1 5/8" Hybrid	0.00	Inside
0.00	167.00	(1) 1-1/4" Hybrid	0.00	Inside
0.00	167.00	(1) 1/2" Coax	0.00	Inside
0.00	157.00	(12) 1 5/8" Coax	0.00	Inside
0.00	157.00	(2) DC	0.00	Inside
0.00	157.00	(1) Fiber	0.00	Inside

Shaft Section Properties

Structure:	CT02218-S-SBA	**Code:**	EIA/TIA-222-G	4/27/2021	
Site Name:	Colchester	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	B - Competent Rock		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 7	

Increment Length: **5 (ft)**

Elev (ft)	Description	Thick (in)	Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fpy (ksi)	S (in^3)	Weight (lb)
0.00		0.4380	60.000	83.221	37298.1	25.66	136.99	73.5	1219.	0.0
5.00		0.4380	58.975	81.789	35405.3	25.19	134.65	74.1	1177.	1403.7
10.00		0.4380	57.950	80.357	33577.6	24.73	132.31	74.6	1136.	1379.4
15.00		0.4380	56.925	78.924	31813.9	24.26	129.96	75.1	1096.	1355.0
20.00		0.4380	55.900	77.492	30113.1	23.79	127.62	75.6	1056.	1330.6
25.00		0.4380	54.874	76.060	28474.0	23.33	125.28	76.2	1017.	1306.3
30.00		0.4380	53.849	74.627	26895.5	22.86	122.94	76.7	979.7	1281.9
35.00		0.4380	52.824	73.195	25376.4	22.40	120.60	77.2	942.3	1257.5
40.00		0.4380	51.799	71.763	23915.7	21.93	118.26	77.8	905.7	1233.1
45.00		0.4380	50.774	70.330	22512.1	21.47	115.92	78.3	869.7	1208.8
45.92	Bot - Section 2	0.4380	50.586	70.068	22260.8	21.38	115.49	78.4	863.2	219.0
50.00		0.4380	49.749	68.898	21164.5	21.00	113.58	78.8	834.5	1805.5
53.00	Top - Section 1	0.3750	49.884	59.225	18339.4	24.87	133.02	0.0	0.0	1307.3
55.00		0.3750	49.474	58.734	17887.4	24.65	131.93	74.7	709.2	401.4
60.00		0.3750	48.449	57.508	16790.3	24.11	129.20	75.3	679.8	988.9
65.00		0.3750	47.424	56.282	15738.9	23.56	126.46	75.9	651.0	968.0
70.00		0.3750	46.398	55.056	14732.4	23.02	123.73	76.5	622.8	947.1
75.00		0.3750	45.373	53.829	13769.7	22.48	121.00	77.1	595.3	926.3
80.00		0.3750	44.348	52.603	12849.9	21.93	118.26	77.8	568.4	905.4
85.00		0.3750	43.323	51.377	11972.0	21.39	115.53	78.4	542.1	884.5
90.00		0.3750	42.298	50.150	11135.1	20.84	112.79	79.0	516.4	863.7
92.92	Bot - Section 3	0.3750	41.700	49.435	10665.4	20.53	111.20	79.3	501.7	494.2
95.00		0.3750	41.273	48.924	10338.1	20.30	110.06	79.6	491.3	644.5
98.92	Top - Section 2	0.3130	41.096	40.720	8556.2	24.53	131.30	0.0	0.0	1193.7
100.00		0.3130	40.874	40.499	8417.2	24.38	130.59	75.0	403.9	149.7
105.00		0.3130	39.849	39.475	7795.0	23.73	127.31	75.7	383.7	680.3
110.00		0.3130	38.824	38.452	7204.2	23.08	124.04	76.5	364.0	662.9
115.00		0.3130	37.798	37.428	6644.1	22.43	120.76	77.2	344.8	645.5
120.00		0.3130	36.773	36.405	6113.8	21.78	117.49	77.9	326.1	628.1
125.00		0.3130	35.748	35.381	5612.5	21.13	114.21	78.7	308.0	610.7
127.09	Bot - Section 4	0.3130	35.320	34.954	5411.6	20.85	112.84	79.0	300.5	249.7
130.00		0.3130	34.723	34.357	5139.3	20.48	110.94	79.4	290.3	587.6
132.34	Top - Section 3	0.2190	34.682	24.076	3612.5	29.91	158.37	0.0	0.0	464.0
135.00		0.2190	34.136	23.695	3443.5	29.41	155.87	69.3	197.9	216.5
140.00		0.2190	33.111	22.979	3140.6	28.48	151.19	70.3	186.1	397.0
145.00		0.2190	32.086	22.262	2856.0	27.55	146.51	71.4	174.6	384.9
150.00		0.2190	31.061	21.546	2589.2	26.62	141.83	72.5	163.5	372.7
155.00		0.2190	30.036	20.830	2339.5	25.69	137.15	73.5	152.8	360.5
157.00		0.2190	29.626	20.544	2244.3	25.32	135.28	73.9	148.6	140.8
160.00		0.2190	29.010	20.114	2106.4	24.76	132.47	74.6	142.4	207.5
165.00		0.2190	27.985	19.398	1889.3	23.83	127.79	75.6	132.4	336.1
167.00		0.2190	27.575	19.111	1806.8	23.45	125.91	76.0	128.5	131.0
170.00		0.2190	26.960	18.682	1687.7	22.90	123.11	76.7	122.8	192.9
175.00		0.2190	25.935	17.966	1500.9	21.96	118.43	77.7	113.5	311.8
177.00		0.2190	25.525	17.679	1430.3	21.59	116.55	78.1	109.9	121.3
180.00		0.2190	24.910	17.249	1328.5	21.03	113.74	78.8	104.6	178.3
										32335.6

Wind Loading - Shaft

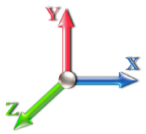
Structure:	CT02218-S-SBA	**Code:**	EIA/TIA-222-G	4/27/2021	
Site Name:	Colchester	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	B - Competent Rock		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 8	

Tower Engineering Solutions

Load Case: 1.2D + 1.6W 105 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



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	22.791	25.07	493.51	0.750	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	22.791	25.07	485.08	0.750	0.000	5.00	25.272	18.95	760.3	0.0	1684.5
10.00		1.00	0.85	22.791	25.07	476.65	0.750	0.000	5.00	24.837	18.63	747.2	0.0	1655.2
15.00		1.00	0.85	22.791	25.07	468.21	0.750	0.000	5.00	24.401	18.30	734.1	0.0	1626.0
20.00		1.00	0.90	24.182	26.60	473.61	0.750	0.000	5.00	23.966	17.97	765.0	0.0	1596.7
25.00		1.00	0.95	25.345	27.88	475.97	0.750	0.000	5.00	23.530	17.65	787.2	0.0	1567.5
30.00		1.00	0.98	26.337	28.97	476.13	0.750	0.000	5.00	23.095	17.32	802.9	0.0	1538.3
35.00		1.00	1.01	27.206	29.93	474.71	0.750	0.000	5.00	22.659	16.99	813.7	0.0	1509.0
40.00		1.00	1.04	27.981	30.78	472.08	0.750	0.000	5.00	22.224	16.67	820.8	0.0	1479.8
45.00		1.00	1.07	28.684	31.55	468.51	0.750	0.000	5.00	21.788	16.34	825.0	0.0	1450.5
45.92	Bot - Section 2	1.00	1.07	28.806	31.69	467.77	0.750	0.000	0.92	3.947	2.96	150.1	0.0	262.8
50.00		1.00	1.09	29.327	32.26	464.17	0.750	0.000	4.08	17.666	13.25	683.9	0.0	2166.6
53.00	Top - Section 1	1.00	1.11	29.689	32.66	461.26	0.750	0.000	3.00	12.794	9.60	501.4	0.0	1568.8
55.00		1.00	1.12	29.922	32.91	466.26	0.750	0.000	2.00	8.442	6.33	333.4	0.0	481.7
60.00		1.00	1.14	30.475	33.52	460.80	0.750	0.000	5.00	20.800	15.60	836.7	0.0	1186.6
65.00		1.00	1.16	30.993	34.09	454.87	0.750	0.000	5.00	20.365	15.27	833.1	0.0	1161.6
70.00		1.00	1.17	31.480	34.63	448.52	0.750	0.000	5.00	19.929	14.95	828.1	0.0	1136.6
75.00		1.00	1.19	31.941	35.13	441.81	0.750	0.000	5.00	19.494	14.62	821.9	0.0	1111.5
80.00		1.00	1.21	32.377	35.62	434.77	0.750	0.000	5.00	19.058	14.29	814.5	0.0	1086.5
85.00		1.00	1.22	32.793	36.07	427.44	0.750	0.000	5.00	18.623	13.97	806.1	0.0	1061.5
90.00		1.00	1.24	33.190	36.51	419.84	0.750	0.000	5.00	18.187	13.64	796.8	0.0	1036.4
92.92	Bot - Section 3	1.00	1.25	33.414	36.76	415.30	0.750	0.000	2.92	10.408	7.81	459.1	0.0	593.0
95.00		1.00	1.25	33.570	36.93	412.01	0.750	0.000	2.08	7.454	5.59	330.3	0.0	773.4
98.92	Top - Section 2	1.00	1.26	33.857	37.24	405.71	0.750	0.000	3.92	13.810	10.36	617.2	0.0	1432.4
100.00		1.00	1.27	33.935	37.33	410.23	0.750	0.000	1.08	3.773	2.83	169.0	0.0	179.6
105.00		1.00	1.28	34.285	37.71	402.00	0.750	0.000	5.00	17.147	12.86	776.0	0.0	816.4
110.00		1.00	1.29	34.623	38.08	393.58	0.750	0.000	5.00	16.711	12.53	763.7	0.0	795.5
115.00		1.00	1.30	34.948	38.44	384.99	0.750	0.000	5.00	16.276	12.21	750.8	0.0	774.6
120.00		1.00	1.32	35.263	38.79	376.23	0.750	0.000	5.00	15.840	11.88	737.3	0.0	753.7
125.00		1.00	1.33	35.567	39.12	367.32	0.750	0.000	5.00	15.405	11.55	723.2	0.0	732.8
127.09	Bot - Section 4	1.00	1.33	35.691	39.26	363.55	0.750	0.000	2.09	6.300	4.73	296.8	0.0	299.6
130.00		1.00	1.34	35.862	39.45	358.26	0.750	0.000	2.91	8.777	6.58	415.5	0.0	705.1
132.34	Top - Section 3	1.00	1.34	35.997	39.60	353.98	0.750	0.000	2.34	6.933	5.20	329.4	0.0	556.9
135.00		1.00	1.35	36.148	39.76	353.60	0.750	0.000	2.66	7.787	5.84	371.5	0.0	259.8
140.00		1.00	1.36	36.426	40.07	344.30	0.750	0.000	5.00	14.284	10.71	686.8	0.0	476.5
145.00		1.00	1.37	36.696	40.37	334.88	0.750	0.000	5.00	13.849	10.39	670.8	0.0	461.8
150.00		1.00	1.38	36.959	40.65	325.34	0.750	0.000	5.00	13.413	10.06	654.4	0.0	447.2
155.00		1.00	1.39	37.215	40.94	315.69	0.750	0.000	5.00	12.978	9.73	637.5	0.0	432.6
157.00	Appurtenance(s)	1.00	1.39	37.315	41.05	311.80	0.750	0.000	2.00	5.069	3.80	249.7	0.0	168.9
160.00		1.00	1.40	37.464	41.21	305.93	0.750	0.000	3.00	7.473	5.60	369.6	0.0	249.0
165.00		1.00	1.41	37.708	41.48	296.08	0.750	0.000	5.00	12.107	9.08	602.6	0.0	403.3
167.00	Appurtenance(s)	1.00	1.41	37.804	41.58	292.11	0.750	0.000	2.00	4.721	3.54	235.6	0.0	157.2
170.00		1.00	1.42	37.946	41.74	286.13	0.750	0.000	3.00	6.950	5.21	348.1	0.0	231.5
175.00		1.00	1.42	38.178	42.00	276.09	0.750	0.000	5.00	11.236	8.43	566.2	0.0	374.1
177.00	Appurtenance(s)	1.00	1.43	38.269	42.10	272.05	0.750	0.000	2.00	4.372	3.28	220.9	0.0	145.5
180.00	Appurtenance(s)	1.00	1.43	38.405	42.25	265.97	0.750	0.000	3.00	6.428	4.82	325.9	0.0	213.9

Wind Loading - Shaft

Structure:	CT02218-S-SBA	**Code:**	EIA/TIA-222-G	4/27/2021	
Site Name:	Colchester	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	B - Competent Rock		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 9	

Tower Engineering Solutions

Totals:	**180.00**	**26,770.1**	**38,802.8**

Discrete Appurtenance Forces

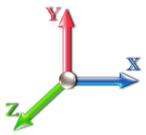
Structure:	CT02218-S-SBA	**Code:**	EIA/TIA-222-G	4/27/2021	
Site Name:	Colchester	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	B - Competent Rock		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 10	

Tower Engineering Solutions

Load Case: 1.2D + 1.6W 105 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



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	180.00	6' Lightning rod	1	38.405	42.245	1.00	1.00	0.38	7.80	0.000	0.000	25.69	0.00	0.00
2	177.00	KRY 112 144/1	3	38.269	42.096	0.50	0.75	0.62	39.60	0.000	0.000	41.63	0.00	0.00
3	177.00	782 11056	3	38.269	42.096	0.50	0.75	0.42	6.48	0.000	0.000	28.43	0.00	0.00
4	177.00	Platform w/ Hand Rail	1	38.269	42.096	1.00	1.00	32.00	1920.00	0.000	0.000	2155.32	0.00	0.00
5	177.00	Pipe Mount	1	38.269	42.096	0.56	0.75	1.48	48.00	0.000	0.000	99.64	0.00	0.00
6	177.00	MS-KI22-5 (Kickers w/o	1	38.269	42.096	1.00	1.00	5.33	175.20	0.000	0.000	359.00	0.00	0.00
7	177.00	APXV18-206516S-C-A20	3	38.269	42.096	0.55	0.75	5.93	67.32	0.000	0.000	399.37	0.00	0.00
8	177.00	LNX-6515DS-VTM	3	38.269	42.096	0.60	0.75	20.65	179.28	0.000	0.000	1390.59	0.00	0.00
9	177.00	Fastback Networks - IBR	1	38.269	42.096	1.00	1.00	0.67	10.68	0.000	0.000	45.13	0.00	0.00
10	167.00	Raycap	2	37.804	41.584	0.76	0.90	5.73	76.80	0.000	0.000	381.27	0.00	0.00
11	167.00	Commscope	6	37.804	41.584	0.62	0.75	30.48	288.00	0.000	0.000	2027.80	0.00	0.00
12	167.00	Platform w/ Hand Rails	1	37.804	41.584	1.00	1.00	40.00	2400.00	0.000	0.000	2661.37	0.00	0.00
13	167.00	Antel	6	37.804	41.584	1.27	0.75	19.97	86.40	0.000	0.000	1328.46	0.00	0.00
14	167.00	Samsung B5/B13	3	37.804	41.584	0.50	0.75	2.83	303.84	0.000	0.000	188.56	0.00	0.00
15	167.00	Samsung VZS01	3	37.804	41.584	0.52	0.75	6.68	313.56	0.000	0.000	444.17	0.00	0.00
16	167.00	Samsung B2/B66A	3	37.804	41.584	0.50	0.75	2.83	253.08	0.000	0.000	188.56	0.00	0.00
17	157.00	DMP65R-BU8DA	1	37.315	41.047	0.80	0.80	14.30	63.00	0.000	0.000	938.89	0.00	0.00
18	157.00	Low Profile Platform-flat	1	37.315	41.047	1.00	1.00	25.00	1440.00	0.000	0.000	1641.87	0.00	0.00
19	157.00	7770	3	37.315	41.047	0.58	0.80	9.64	126.00	0.000	0.000	632.84	0.00	0.00
20	157.00	DMP65R-BU4DA	2	37.315	41.047	0.66	0.80	10.50	162.96	0.000	0.000	689.32	0.00	0.00
21	157.00	4449 B5/B12	3	37.315	41.047	0.54	0.80	3.17	255.60	0.000	0.000	208.04	0.00	0.00
22	157.00	HPA65R-BU4A	2	37.315	41.047	0.80	0.80	7.94	68.88	0.000	0.000	521.20	0.00	0.00
23	157.00	HPA65R-BU8A	1	37.315	41.047	0.80	0.80	8.98	91.80	0.000	0.000	590.02	0.00	0.00
24	157.00	8843 B2/B66A	3	37.315	41.047	0.54	0.80	2.64	259.20	0.000	0.000	173.19	0.00	0.00
25	157.00	Raycap DC6-48-60-18-8F	1	37.315	41.047	0.80	0.80	0.74	38.16	0.000	0.000	48.34	0.00	0.00
							Totals:		**8,681.64**			**17,208.72**		

Total Applied Force Summary

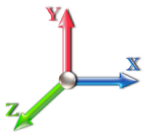
Structure:	CT02218-S-SBA		**Code:**	EIA/TIA-222-G	4/27/2021
Site Name:	Colchester		**Exposure:**	C	
Height:	180.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	B - Competent Rock	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 11

Tower Engineering Solutions

Load Case: 1.2D + 1.6W 105 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



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		760.28	1929.00	0.00	0.00
10.00		747.18	1899.76	0.00	0.00
15.00		734.08	1870.52	0.00	0.00
20.00		764.99	1841.27	0.00	0.00
25.00		787.21	1812.03	0.00	0.00
30.00		802.88	1782.79	0.00	0.00
35.00		813.72	1753.54	0.00	0.00
40.00		820.83	1724.30	0.00	0.00
45.00		824.95	1695.06	0.00	0.00
45.92		150.09	307.59	0.00	0.00
50.00		683.87	2366.34	0.00	0.00
53.00		501.38	1715.47	0.00	0.00
55.00		333.43	579.48	0.00	0.00
60.00		836.72	1431.17	0.00	0.00
65.00		833.12	1406.13	0.00	0.00
70.00		828.13	1381.09	0.00	0.00
75.00		821.88	1356.06	0.00	0.00
80.00		814.51	1331.02	0.00	0.00
85.00		806.12	1305.98	0.00	0.00
90.00		796.80	1280.95	0.00	0.00
92.92		459.06	735.66	0.00	0.00
95.00		330.33	875.29	0.00	0.00
98.92		617.17	1623.96	0.00	0.00
100.00		168.99	232.62	0.00	0.00
105.00		776.00	1060.92	0.00	0.00
110.00		763.73	1040.03	0.00	0.00
115.00		750.82	1019.13	0.00	0.00
120.00		737.31	998.23	0.00	0.00
125.00		723.22	977.33	0.00	0.00
127.09		296.81	401.69	0.00	0.00
130.00		415.51	847.62	0.00	0.00
132.34		329.44	671.13	0.00	0.00
135.00		371.54	390.01	0.00	0.00
140.00		686.82	720.98	0.00	0.00
145.00		670.81	706.36	0.00	0.00
150.00		654.37	691.74	0.00	0.00
155.00		637.51	677.12	0.00	0.00
157.00	(17) attachments	5693.41	2772.35	0.00	0.00
160.00		369.57	347.72	0.00	0.00
165.00		602.60	567.83	0.00	0.00
167.00	(24) attachments	7455.77	3944.72	0.00	0.00
170.00		348.14	277.27	0.00	0.00
175.00		566.22	450.43	0.00	0.00
177.00	(16) attachments	4739.98	2622.64	0.00	0.00
180.00	(1) attachments	351.54	221.74	0.00	0.00

Total Applied Force Summary

Structure:	CT02218-S-SBA		**Code:**	EIA/TIA-222-G	4/27/2021
Site Name:	Colchester		**Exposure:**	C	
Height:	180.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	B - Competent Rock	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 12

Tower Engineering Solutions

Totals:	**43,978.85**	**55,644.07**	**0.00**	**0.00**

Calculated Forces

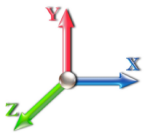
Structure:	CT02218-S-SBA	**Code:**	EIA/TIA-222-G	4/27/2021	
Site Name:	Colchester	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	B - Competent Rock		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 13	

Tower Engineering Solutions

Load Case: 1.2D + 1.6W 105 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



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	-55.56	-44.08	0.00	-5430.6	0.00	5430.63	5508.12	2754.06	13547.4	6725.55	0.00	0.000	0.000	0.818
5.00	-53.48	-43.51	0.00	-5210.2	0.00	5210.24	5452.09	2726.05	13177.2	6541.73	0.11	-0.203	0.000	0.807
10.00	-51.43	-42.93	0.00	-4992.7	0.00	4992.71	5394.71	2697.35	12808.5	6358.68	0.43	-0.408	0.000	0.795
15.00	-49.41	-42.36	0.00	-4778.0	0.00	4778.04	5335.97	2667.98	12441.5	6176.49	0.97	-0.615	0.000	0.783
20.00	-47.43	-41.75	0.00	-4566.2	0.00	4566.23	5275.87	2637.93	12076.4	5995.24	1.73	-0.824	0.000	0.771
25.00	-45.48	-41.10	0.00	-4357.5	0.00	4357.50	5214.41	2607.20	11713.3	5815.02	2.70	-1.035	0.000	0.758
30.00	-43.56	-40.42	0.00	-4152.0	0.00	4152.00	5151.59	2575.80	11352.6	5635.92	3.90	-1.247	0.000	0.745
35.00	-41.68	-39.73	0.00	-3949.8	0.00	3949.88	5087.42	2543.71	10994.2	5458.02	5.32	-1.461	0.000	0.732
40.00	-39.83	-39.01	0.00	-3751.2	0.00	3751.25	5021.88	2510.94	10638.5	5281.41	6.97	-1.677	0.000	0.718
45.00	-38.08	-38.22	0.00	-3556.2	0.00	3556.20	4954.99	2477.50	10285.5	5106.18	8.84	-1.895	0.000	0.704
45.92	-37.70	-38.13	0.00	-3521.1	0.00	3521.17	4942.58	2471.29	10221.1	5074.21	9.21	-1.936	0.000	0.702
50.00	-35.26	-37.46	0.00	-3365.4	0.00	3365.48	4886.75	2443.37	9935.52	4932.41	10.94	-2.115	0.000	0.690
53.00	-33.49	-36.96	0.00	-3253.1	0.00	3253.10	3967.43	1983.71	8109.29	4025.79	12.32	-2.249	0.000	0.817
55.00	-32.82	-36.70	0.00	-3179.1	0.00	3179.19	3947.58	1973.79	8001.39	3972.23	13.28	-2.338	0.000	0.809
60.00	-31.27	-35.94	0.00	-2995.7	0.00	2995.70	3897.00	1948.50	7732.70	3838.84	15.86	-2.584	0.000	0.789
65.00	-29.76	-35.17	0.00	-2816.0	0.00	2816.02	3845.06	1922.53	7465.70	3706.29	18.69	-2.830	0.000	0.768
70.00	-28.27	-34.39	0.00	-2640.2	0.00	2640.20	3791.77	1895.89	7200.54	3574.65	21.79	-3.077	0.000	0.746
75.00	-26.82	-33.61	0.00	-2468.2	0.00	2468.25	3737.12	1868.56	6937.41	3444.02	25.14	-3.323	0.000	0.724
80.00	-25.40	-32.82	0.00	-2300.2	0.00	2300.21	3681.11	1840.56	6676.48	3314.49	28.75	-3.570	0.000	0.701
85.00	-24.01	-32.04	0.00	-2136.0	0.00	2136.09	3623.74	1811.87	6417.92	3186.13	32.62	-3.815	0.000	0.677
90.00	-22.68	-31.23	0.00	-1975.9	0.00	1975.90	3565.02	1782.51	6161.91	3059.03	36.75	-4.060	0.000	0.653
92.92	-21.92	-30.77	0.00	-1884.8	0.00	1884.81	3530.13	1765.07	6013.81	2985.51	39.27	-4.203	0.000	0.638
95.00	-20.99	-30.43	0.00	-1820.7	0.00	1820.71	3504.93	1752.47	5908.61	2933.28	41.13	-4.306	0.000	0.627
98.92	-19.35	-29.73	0.00	-1701.5	0.00	1701.53	2742.07	1371.04	4616.42	2291.78	44.74	-4.496	0.000	0.750
100.00	-19.05	-29.60	0.00	-1669.3	0.00	1669.32	2732.96	1366.48	4575.83	2271.63	45.76	-4.550	0.000	0.742
105.00	-17.92	-28.82	0.00	-1521.3	0.00	1521.34	2690.08	1345.04	4389.32	2179.04	50.67	-4.819	0.000	0.705
110.00	-16.83	-28.05	0.00	-1377.2	0.00	1377.24	2645.83	1322.92	4204.31	2087.20	55.85	-5.084	0.000	0.667
115.00	-15.76	-27.28	0.00	-1237.0	0.00	1237.00	2600.23	1300.12	4020.98	1996.19	61.31	-5.342	0.000	0.626
120.00	-14.72	-26.51	0.00	-1100.6	0.00	1100.62	2553.28	1276.64	3839.50	1906.09	67.03	-5.592	0.000	0.584
125.00	-13.74	-25.73	0.00	-968.07	0.00	968.07	2504.96	1252.48	3660.03	1816.99	73.01	-5.833	0.000	0.539
127.09	-13.32	-25.43	0.00	-914.37	0.00	914.37	2484.39	1242.20	3585.78	1780.13	75.57	-5.932	0.000	0.519
130.00	-12.47	-24.95	0.00	-840.29	0.00	840.29	2455.29	1227.64	3482.76	1728.99	79.23	-6.067	0.000	0.491
132.34	-11.79	-24.57	0.00	-782.00	0.00	782.00	1489.26	744.63	2121.49	1053.20	82.22	-6.171	0.000	0.752
135.00	-11.36	-24.20	0.00	-716.55	0.00	716.55	1477.63	738.82	2071.36	1028.31	85.69	-6.287	0.000	0.706
140.00	-10.62	-23.49	0.00	-595.55	0.00	595.55	1454.76	727.38	1977.27	981.60	92.41	-6.558	0.000	0.615
145.00	-9.90	-22.78	0.00	-478.12	0.00	478.12	1430.53	715.26	1883.34	934.97	99.40	-6.801	0.000	0.519
150.00	-9.22	-22.07	0.00	-364.24	0.00	364.24	1404.94	702.47	1789.74	888.50	106.62	-7.011	0.000	0.417
155.00	-8.59	-21.37	0.00	-253.86	0.00	253.86	1377.99	688.99	1696.65	842.29	114.04	-7.180	0.000	0.309
157.00	-6.54	-15.39	0.00	-211.12	0.00	211.12	1366.83	683.41	1659.60	823.90	117.05	-7.237	0.000	0.262
160.00	-6.22	-14.98	0.00	-164.96	0.00	164.96	1349.68	674.84	1604.25	796.42	121.62	-7.308	0.000	0.212
165.00	-5.72	-14.32	0.00	-90.04	0.00	90.04	1320.02	660.01	1512.71	750.97	129.30	-7.395	0.000	0.125
167.00	-2.77	-6.42	0.00	-61.41	0.00	61.41	1307.77	653.89	1476.37	732.93	132.39	-7.417	0.000	0.086
170.00	-2.53	-6.04	0.00	-42.15	0.00	42.15	1289.00	644.50	1422.20	706.04	137.05	-7.442	0.000	0.062
175.00	-2.16	-5.42	0.00	-11.97	0.00	11.97	1256.62	628.31	1332.89	661.70	144.84	-7.465	0.000	0.020
177.00	-0.17	-0.38	0.00	-1.13	0.00	1.13	1243.29	621.64	1297.54	644.16	147.96	-7.467	0.000	0.002
180.00	0.00	-0.35	0.00	0.00	0.00	0.00	1222.88	611.44	1244.96	618.05	152.64	-7.467	0.000	0.000

Wind Loading - Shaft

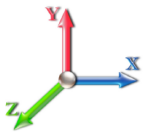
Structure:	CT02218-S-SBA	**Code:**	EIA/TIA-222-G	4/27/2021	
Site Name:	Colchester	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	B - Competent Rock		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 14	

Tower Engineering Solutions

Load Case: 0.9D + 1.6W 105 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



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	22.791	25.07	493.51	0.750	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	22.791	25.07	485.08	0.750	0.000	5.00	25.272	18.95	760.3	0.0	1263.4
10.00		1.00	0.85	22.791	25.07	476.65	0.750	0.000	5.00	24.837	18.63	747.2	0.0	1241.4
15.00		1.00	0.85	22.791	25.07	468.21	0.750	0.000	5.00	24.401	18.30	734.1	0.0	1219.5
20.00		1.00	0.90	24.182	26.60	473.61	0.750	0.000	5.00	23.966	17.97	765.0	0.0	1197.6
25.00		1.00	0.95	25.345	27.88	475.97	0.750	0.000	5.00	23.530	17.65	787.2	0.0	1175.6
30.00		1.00	0.98	26.337	28.97	476.13	0.750	0.000	5.00	23.095	17.32	802.9	0.0	1153.7
35.00		1.00	1.01	27.206	29.93	474.71	0.750	0.000	5.00	22.659	16.99	813.7	0.0	1131.8
40.00		1.00	1.04	27.981	30.78	472.08	0.750	0.000	5.00	22.224	16.67	820.8	0.0	1109.8
45.00		1.00	1.07	28.684	31.55	468.51	0.750	0.000	5.00	21.788	16.34	825.0	0.0	1087.9
45.92	Bot - Section 2	1.00	1.07	28.806	31.69	467.77	0.750	0.000	0.92	3.947	2.96	150.1	0.0	197.1
50.00		1.00	1.09	29.327	32.26	464.17	0.750	0.000	4.08	17.666	13.25	683.9	0.0	1625.0
53.00	Top - Section 1	1.00	1.11	29.689	32.66	461.26	0.750	0.000	3.00	12.794	9.60	501.4	0.0	1176.6
55.00		1.00	1.12	29.922	32.91	466.26	0.750	0.000	2.00	8.442	6.33	333.4	0.0	361.3
60.00		1.00	1.14	30.475	33.52	460.80	0.750	0.000	5.00	20.800	15.60	836.7	0.0	890.0
65.00		1.00	1.16	30.993	34.09	454.87	0.750	0.000	5.00	20.365	15.27	833.1	0.0	871.2
70.00		1.00	1.17	31.480	34.63	448.52	0.750	0.000	5.00	19.929	14.95	828.1	0.0	852.4
75.00		1.00	1.19	31.941	35.13	441.81	0.750	0.000	5.00	19.494	14.62	821.9	0.0	833.6
80.00		1.00	1.21	32.377	35.62	434.77	0.750	0.000	5.00	19.058	14.29	814.5	0.0	814.9
85.00		1.00	1.22	32.793	36.07	427.44	0.750	0.000	5.00	18.623	13.97	806.1	0.0	796.1
90.00		1.00	1.24	33.190	36.51	419.84	0.750	0.000	5.00	18.187	13.64	796.8	0.0	777.3
92.92	Bot - Section 3	1.00	1.25	33.414	36.76	415.30	0.750	0.000	2.92	10.408	7.81	459.1	0.0	444.8
95.00		1.00	1.25	33.570	36.93	412.01	0.750	0.000	2.08	7.454	5.59	330.3	0.0	580.1
98.92	Top - Section 2	1.00	1.26	33.857	37.24	405.71	0.750	0.000	3.92	13.810	10.36	617.2	0.0	1074.3
100.00		1.00	1.27	33.935	37.33	410.23	0.750	0.000	1.08	3.773	2.83	169.0	0.0	134.7
105.00		1.00	1.28	34.285	37.71	402.00	0.750	0.000	5.00	17.147	12.86	776.0	0.0	612.3
110.00		1.00	1.29	34.623	38.08	393.58	0.750	0.000	5.00	16.711	12.53	763.7	0.0	596.6
115.00		1.00	1.30	34.948	38.44	384.99	0.750	0.000	5.00	16.276	12.21	750.8	0.0	581.0
120.00		1.00	1.32	35.263	38.79	376.23	0.750	0.000	5.00	15.840	11.88	737.3	0.0	565.3
125.00		1.00	1.33	35.567	39.12	367.32	0.750	0.000	5.00	15.405	11.55	723.2	0.0	549.6
127.09	Bot - Section 4	1.00	1.33	35.691	39.26	363.55	0.750	0.000	2.09	6.300	4.73	296.8	0.0	224.7
130.00		1.00	1.34	35.862	39.45	358.26	0.750	0.000	2.91	8.777	6.58	415.5	0.0	528.9
132.34	Top - Section 3	1.00	1.34	35.997	39.60	353.98	0.750	0.000	2.34	6.933	5.20	329.4	0.0	417.6
135.00		1.00	1.35	36.148	39.76	353.60	0.750	0.000	2.66	7.787	5.84	371.5	0.0	194.8
140.00		1.00	1.36	36.426	40.07	344.30	0.750	0.000	5.00	14.284	10.71	686.8	0.0	357.3
145.00		1.00	1.37	36.696	40.37	334.88	0.750	0.000	5.00	13.849	10.39	670.8	0.0	346.4
150.00		1.00	1.38	36.959	40.65	325.34	0.750	0.000	5.00	13.413	10.06	654.4	0.0	335.4
155.00		1.00	1.39	37.215	40.94	315.69	0.750	0.000	5.00	12.978	9.73	637.5	0.0	324.4
157.00	Appurtenance(s)	1.00	1.39	37.315	41.05	311.80	0.750	0.000	2.00	5.069	3.80	249.7	0.0	126.7
160.00		1.00	1.40	37.464	41.21	305.93	0.750	0.000	3.00	7.473	5.60	369.6	0.0	186.8
165.00		1.00	1.41	37.708	41.48	296.08	0.750	0.000	5.00	12.107	9.08	602.6	0.0	302.5
167.00	Appurtenance(s)	1.00	1.41	37.804	41.58	292.11	0.750	0.000	2.00	4.721	3.54	235.6	0.0	117.9
170.00		1.00	1.42	37.946	41.74	286.13	0.750	0.000	3.00	6.950	5.21	348.1	0.0	173.6
175.00		1.00	1.42	38.178	42.00	276.09	0.750	0.000	5.00	11.236	8.43	566.2	0.0	280.6
177.00	Appurtenance(s)	1.00	1.43	38.269	42.10	272.05	0.750	0.000	2.00	4.372	3.28	220.9	0.0	109.2
180.00	Appurtenance(s)	1.00	1.43	38.405	42.25	265.97	0.750	0.000	3.00	6.428	4.82	325.9	0.0	160.5

Wind Loading - Shaft

Structure:	CT02218-S-SBA	**Code:**	EIA/TIA-222-G	4/27/2021	
Site Name:	Colchester	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	B - Competent Rock		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 15	

Totals:	**180.00**	**26,770.1**	**29,102.1**

Discrete Appurtenance Forces

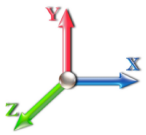
Structure:	CT02218-S-SBA	**Code:**	EIA/TIA-222-G	4/27/2021	
Site Name:	Colchester	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	B - Competent Rock		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 16	

Tower Engineering Solutions

Load Case: 0.9D + 1.6W 105 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



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	180.00	6' Lightning rod	1	38.405	42.245	1.00	1.00	0.38	5.85	0.000	0.000	25.69	0.00	0.00
2	177.00	KRY 112 144/1	3	38.269	42.096	0.50	0.75	0.62	29.70	0.000	0.000	41.63	0.00	0.00
3	177.00	782 11056	3	38.269	42.096	0.50	0.75	0.42	4.86	0.000	0.000	28.43	0.00	0.00
4	177.00	Platform w/ Hand Rail	1	38.269	42.096	1.00	1.00	32.00	1440.00	0.000	0.000	2155.32	0.00	0.00
5	177.00	Pipe Mount	1	38.269	42.096	0.56	0.75	1.48	36.00	0.000	0.000	99.64	0.00	0.00
6	177.00	MS-KI22-5 (Kickers w/o	1	38.269	42.096	1.00	1.00	5.33	131.40	0.000	0.000	359.00	0.00	0.00
7	177.00	APXV18-206516S-C-A20	3	38.269	42.096	0.55	0.75	5.93	50.49	0.000	0.000	399.37	0.00	0.00
8	177.00	LNX-6515DS-VTM	3	38.269	42.096	0.60	0.75	20.65	134.46	0.000	0.000	1390.59	0.00	0.00
9	177.00	Fastback Networks - IBR	1	38.269	42.096	1.00	1.00	0.67	8.01	0.000	0.000	45.13	0.00	0.00
10	167.00	Raycap	2	37.804	41.584	0.76	0.90	5.73	57.60	0.000	0.000	381.27	0.00	0.00
11	167.00	Commscope	6	37.804	41.584	0.62	0.75	30.48	216.00	0.000	0.000	2027.80	0.00	0.00
12	167.00	Platform w/ Hand Rails	1	37.804	41.584	1.00	1.00	40.00	1800.00	0.000	0.000	2661.37	0.00	0.00
13	167.00	Antel	6	37.804	41.584	1.27	0.75	19.97	64.80	0.000	0.000	1328.46	0.00	0.00
14	167.00	Samsung B5/B13	3	37.804	41.584	0.50	0.75	2.83	227.88	0.000	0.000	188.56	0.00	0.00
15	167.00	Samsung VZS01	3	37.804	41.584	0.52	0.75	6.68	235.17	0.000	0.000	444.17	0.00	0.00
16	167.00	Samsung B2/B66A	3	37.804	41.584	0.50	0.75	2.83	189.81	0.000	0.000	188.56	0.00	0.00
17	157.00	DMP65R-BU8DA	1	37.315	41.047	0.80	0.80	14.30	47.25	0.000	0.000	938.89	0.00	0.00
18	157.00	Low Profile Platform-flat	1	37.315	41.047	1.00	1.00	25.00	1080.00	0.000	0.000	1641.87	0.00	0.00
19	157.00	7770	3	37.315	41.047	0.58	0.80	9.64	94.50	0.000	0.000	632.84	0.00	0.00
20	157.00	DMP65R-BU4DA	2	37.315	41.047	0.66	0.80	10.50	122.22	0.000	0.000	689.32	0.00	0.00
21	157.00	4449 B5/B12	3	37.315	41.047	0.54	0.80	3.17	191.70	0.000	0.000	208.04	0.00	0.00
22	157.00	HPA65R-BU4A	2	37.315	41.047	0.80	0.80	7.94	51.66	0.000	0.000	521.20	0.00	0.00
23	157.00	HPA65R-BU8A	1	37.315	41.047	0.80	0.80	8.98	68.85	0.000	0.000	590.02	0.00	0.00
24	157.00	8843 B2/B66A	3	37.315	41.047	0.54	0.80	2.64	194.40	0.000	0.000	173.19	0.00	0.00
25	157.00	Raycap DC6-48-60-18-8F	1	37.315	41.047	0.80	0.80	0.74	28.62	0.000	0.000	48.34	0.00	0.00
							Totals:		**6,511.23**			**17,208.72**		

Total Applied Force Summary

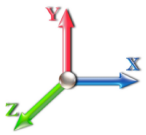
Structure:	CT02218-S-SBA		**Code:**	EIA/TIA-222-G	4/27/2021
Site Name:	Colchester		**Exposure:**	C	
Height:	180.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	B - Competent Rock	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 17

Tower Engineering Solutions

Load Case: 0.9D + 1.6W 105 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



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		760.28	1446.75	0.00	0.00
10.00		747.18	1424.82	0.00	0.00
15.00		734.08	1402.89	0.00	0.00
20.00		764.99	1380.96	0.00	0.00
25.00		787.21	1359.02	0.00	0.00
30.00		802.88	1337.09	0.00	0.00
35.00		813.72	1315.16	0.00	0.00
40.00		820.83	1293.23	0.00	0.00
45.00		824.95	1271.29	0.00	0.00
45.92		150.09	230.69	0.00	0.00
50.00		683.87	1774.75	0.00	0.00
53.00		501.38	1286.60	0.00	0.00
55.00		333.43	434.61	0.00	0.00
60.00		836.72	1073.37	0.00	0.00
65.00		833.12	1054.60	0.00	0.00
70.00		828.13	1035.82	0.00	0.00
75.00		821.88	1017.04	0.00	0.00
80.00		814.51	998.26	0.00	0.00
85.00		806.12	979.49	0.00	0.00
90.00		796.80	960.71	0.00	0.00
92.92		459.06	551.74	0.00	0.00
95.00		330.33	656.47	0.00	0.00
98.92		617.17	1217.97	0.00	0.00
100.00		168.99	174.47	0.00	0.00
105.00		776.00	795.69	0.00	0.00
110.00		763.73	780.02	0.00	0.00
115.00		750.82	764.35	0.00	0.00
120.00		737.31	748.67	0.00	0.00
125.00		723.22	733.00	0.00	0.00
127.09		296.81	301.27	0.00	0.00
130.00		415.51	635.72	0.00	0.00
132.34		329.44	503.35	0.00	0.00
135.00		371.54	292.51	0.00	0.00
140.00		686.82	540.74	0.00	0.00
145.00		670.81	529.77	0.00	0.00
150.00		654.37	518.80	0.00	0.00
155.00		637.51	507.84	0.00	0.00
157.00	(17) attachments	5693.41	2079.26	0.00	0.00
160.00		369.57	260.79	0.00	0.00
165.00		602.60	425.88	0.00	0.00
167.00	(24) attachments	7455.77	2958.54	0.00	0.00
170.00		348.14	207.96	0.00	0.00
175.00		566.22	337.82	0.00	0.00
177.00	(16) attachments	4739.98	1966.98	0.00	0.00
180.00	(1) attachments	351.54	166.30	0.00	0.00

Total Applied Force Summary

Structure:	CT02218-S-SBA		**Code:**	EIA/TIA-222-G	4/27/2021
Site Name:	Colchester		**Exposure:**	C	
Height:	180.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	B - Competent Rock	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 18

Tower Engineering Solutions

Totals:	**43,978.85**	**41,733.06**	**0.00**	**0.00**

Calculated Forces

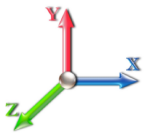
Structure:	CT02218-S-SBA	**Code:**	EIA/TIA-222-G	4/27/2021	
Site Name:	Colchester	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	B - Competent Rock		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 19	

Tower Engineering Solutions

Load Case: 0.9D + 1.6W 105 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



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	-41.65	-44.05	0.00	-5370.7	0.00	5370.75	5508.12	2754.06	13547.4	6725.55	0.00	0.000	0.000	0.806
5.00	-40.06	-43.43	0.00	-5150.4	0.00	5150.49	5452.09	2726.05	13177.2	6541.73	0.11	-0.201	0.000	0.795
10.00	-38.48	-42.81	0.00	-4933.3	0.00	4933.33	5394.71	2697.35	12808.5	6358.68	0.43	-0.403	0.000	0.783
15.00	-36.94	-42.20	0.00	-4719.2	0.00	4719.27	5335.97	2667.98	12441.5	6176.49	0.96	-0.608	0.000	0.771
20.00	-35.41	-41.55	0.00	-4508.2	0.00	4508.27	5275.87	2637.93	12076.4	5995.24	1.71	-0.814	0.000	0.759
25.00	-33.92	-40.86	0.00	-4300.5	0.00	4300.54	5214.41	2607.20	11713.3	5815.02	2.67	-1.022	0.000	0.746
30.00	-32.45	-40.15	0.00	-4096.2	0.00	4096.24	5151.59	2575.80	11352.6	5635.92	3.85	-1.232	0.000	0.733
35.00	-31.01	-39.42	0.00	-3895.4	0.00	3895.48	5087.42	2543.71	10994.2	5458.02	5.26	-1.443	0.000	0.720
40.00	-29.60	-38.68	0.00	-3698.3	0.00	3698.37	5021.88	2510.94	10638.5	5281.41	6.88	-1.656	0.000	0.706
45.00	-28.27	-37.88	0.00	-3504.9	0.00	3504.99	4954.99	2477.50	10285.5	5106.18	8.73	-1.870	0.000	0.692
45.92	-27.97	-37.77	0.00	-3470.2	0.00	3470.27	4942.58	2471.29	10221.1	5074.21	9.10	-1.911	0.000	0.690
50.00	-26.12	-37.10	0.00	-3316.0	0.00	3316.03	4886.75	2443.37	9935.52	4932.41	10.81	-2.088	0.000	0.678
53.00	-24.78	-36.60	0.00	-3204.7	0.00	3204.74	3967.43	1983.71	8109.29	4025.79	12.16	-2.219	0.000	0.803
55.00	-24.26	-36.32	0.00	-3131.5	0.00	3131.55	3947.58	1973.79	8001.39	3972.23	13.11	-2.308	0.000	0.795
60.00	-23.07	-35.53	0.00	-2949.9	0.00	2949.98	3897.00	1948.50	7732.70	3838.84	15.66	-2.549	0.000	0.775
65.00	-21.91	-34.74	0.00	-2772.3	0.00	2772.32	3845.06	1922.53	7465.70	3706.29	18.46	-2.792	0.000	0.754
70.00	-20.77	-33.95	0.00	-2598.6	0.00	2598.61	3791.77	1895.89	7200.54	3574.65	21.51	-3.035	0.000	0.733
75.00	-19.66	-33.16	0.00	-2428.8	0.00	2428.85	3737.12	1868.56	6937.41	3444.02	24.82	-3.277	0.000	0.711
80.00	-18.58	-32.37	0.00	-2263.0	0.00	2263.06	3681.11	1840.56	6676.48	3314.49	28.38	-3.520	0.000	0.688
85.00	-17.52	-31.57	0.00	-2101.2	0.00	2101.23	3623.74	1811.87	6417.92	3186.13	32.19	-3.761	0.000	0.665
90.00	-16.51	-30.77	0.00	-1943.3	0.00	1943.37	3565.02	1782.51	6161.91	3059.03	36.26	-4.001	0.000	0.640
92.92	-15.93	-30.30	0.00	-1853.6	0.00	1853.64	3530.13	1765.07	6013.81	2985.51	38.74	-4.143	0.000	0.626
95.00	-15.22	-29.97	0.00	-1790.5	0.00	1790.50	3504.93	1752.47	5908.61	2933.28	40.57	-4.244	0.000	0.615
98.92	-13.99	-29.29	0.00	-1673.1	0.00	1673.14	2742.07	1371.04	4616.42	2291.78	44.13	-4.431	0.000	0.736
100.00	-13.75	-29.14	0.00	-1641.4	0.00	1641.42	2732.96	1366.48	4575.83	2271.63	45.14	-4.483	0.000	0.728
105.00	-12.89	-28.37	0.00	-1495.7	0.00	1495.70	2690.08	1345.04	4389.32	2179.04	49.98	-4.748	0.000	0.692
110.00	-12.06	-27.59	0.00	-1353.8	0.00	1353.88	2645.83	1322.92	4204.31	2087.20	55.08	-5.008	0.000	0.654
115.00	-11.25	-26.83	0.00	-1215.9	0.00	1215.92	2600.23	1300.12	4020.98	1996.19	60.46	-5.262	0.000	0.614
120.00	-10.46	-26.07	0.00	-1081.7	0.00	1081.79	2553.28	1276.64	3839.50	1906.09	66.09	-5.508	0.000	0.572
125.00	-9.73	-25.30	0.00	-951.47	0.00	951.47	2504.96	1252.48	3660.03	1816.99	71.98	-5.745	0.000	0.528
127.09	-9.41	-24.99	0.00	-898.67	0.00	898.67	2484.39	1242.20	3585.78	1780.13	74.51	-5.842	0.000	0.509
130.00	-8.77	-24.53	0.00	-825.86	0.00	825.86	2455.29	1227.64	3482.76	1728.99	78.11	-5.975	0.000	0.482
132.34	-8.26	-24.17	0.00	-768.53	0.00	768.53	1489.26	744.63	2121.49	1053.20	81.06	-6.078	0.000	0.736
135.00	-7.92	-23.80	0.00	-704.16	0.00	704.16	1477.63	738.82	2071.36	1028.31	84.48	-6.191	0.000	0.691
140.00	-7.36	-23.09	0.00	-585.18	0.00	585.18	1454.76	727.38	1977.27	981.60	91.09	-6.457	0.000	0.602
145.00	-6.82	-22.39	0.00	-469.75	0.00	469.75	1430.53	715.26	1883.34	934.97	97.97	-6.696	0.000	0.508
150.00	-6.32	-21.70	0.00	-357.83	0.00	357.83	1404.94	702.47	1789.74	888.50	105.09	-6.902	0.000	0.408
155.00	-5.85	-21.01	0.00	-249.35	0.00	249.35	1377.99	688.99	1696.65	842.29	112.39	-7.069	0.000	0.301
157.00	-4.47	-15.11	0.00	-207.33	0.00	207.33	1366.83	683.41	1659.60	823.90	115.36	-7.125	0.000	0.255
160.00	-4.24	-14.72	0.00	-162.00	0.00	162.00	1349.68	674.84	1604.25	796.42	119.85	-7.195	0.000	0.207
165.00	-3.88	-14.07	0.00	-88.42	0.00	88.42	1320.02	660.01	1512.71	750.97	127.41	-7.279	0.000	0.121
167.00	-1.89	-6.30	0.00	-60.28	0.00	60.28	1307.77	653.89	1476.37	732.93	130.46	-7.302	0.000	0.084
170.00	-1.73	-5.93	0.00	-41.39	0.00	41.39	1289.00	644.50	1422.20	706.04	135.05	-7.326	0.000	0.060
175.00	-1.46	-5.32	0.00	-11.75	0.00	11.75	1256.62	628.31	1332.89	661.70	142.71	-7.348	0.000	0.019
177.00	-0.12	-0.37	0.00	-1.11	0.00	1.11	1243.29	621.64	1297.54	644.16	145.78	-7.351	0.000	0.002
180.00	0.00	-0.35	0.00	0.00	0.00	0.00	1222.88	611.44	1244.96	618.05	150.39	-7.351	0.000	0.000

Wind Loading - Shaft

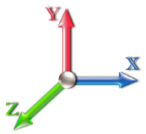
Structure:	CT02218-S-SBA	**Code:**	EIA/TIA-222-G	4/27/2021	
Site Name:	Colchester	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	B - Competent Rock		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 20	

Tower Engineering Solutions

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20

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	5.168	5.68	0.00	1.200	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	5.168	5.68	0.00	1.200	1.242	5.00	26.307	31.57	179.5	472.8	2157.3
10.00		1.00	0.85	5.168	5.68	0.00	1.200	1.331	5.00	25.946	31.14	177.0	498.9	2154.1
15.00		1.00	0.85	5.168	5.68	0.00	1.200	1.386	5.00	25.556	30.67	174.3	511.0	2137.0
20.00		1.00	0.90	5.483	6.03	0.00	1.200	1.427	5.00	25.154	30.19	182.1	517.0	2113.8
25.00		1.00	0.95	5.747	6.32	0.00	1.200	1.459	5.00	24.746	29.69	187.7	519.5	2087.0
30.00		1.00	0.98	5.972	6.57	0.00	1.200	1.486	5.00	24.333	29.20	191.8	519.7	2057.9
35.00		1.00	1.01	6.169	6.79	0.00	1.200	1.509	5.00	23.916	28.70	194.8	518.2	2027.2
40.00		1.00	1.04	6.345	6.98	0.00	1.200	1.529	5.00	23.498	28.20	196.8	515.4	1995.2
45.00		1.00	1.07	6.504	7.15	0.00	1.200	1.547	5.00	23.077	27.69	198.1	511.7	1962.2
45.92	Bot - Section 2	1.00	1.07	6.532	7.19	0.00	1.200	1.550	0.92	4.184	5.02	36.1	93.7	356.4
50.00		1.00	1.09	6.650	7.32	0.00	1.200	1.564	4.08	18.730	22.48	164.4	420.2	2586.9
53.00	Top - Section 1	1.00	1.11	6.732	7.41	0.00	1.200	1.573	3.00	13.580	16.30	120.7	306.9	1875.7
55.00		1.00	1.12	6.785	7.46	0.00	1.200	1.579	2.00	8.968	10.76	80.3	203.8	685.4
60.00		1.00	1.14	6.910	7.60	0.00	1.200	1.592	5.00	22.127	26.55	201.8	503.6	1690.3
65.00		1.00	1.16	7.028	7.73	0.00	1.200	1.605	5.00	21.702	26.04	201.3	497.4	1659.0
70.00		1.00	1.17	7.138	7.85	0.00	1.200	1.617	5.00	21.277	25.53	200.5	490.8	1627.3
75.00		1.00	1.19	7.243	7.97	0.00	1.200	1.628	5.00	20.851	25.02	199.3	483.7	1595.2
80.00		1.00	1.21	7.342	8.08	0.00	1.200	1.639	5.00	20.424	24.51	197.9	476.3	1562.8
85.00		1.00	1.22	7.436	8.18	0.00	1.200	1.649	5.00	19.997	24.00	196.3	468.6	1530.1
90.00		1.00	1.24	7.526	8.28	0.00	1.200	1.658	5.00	19.569	23.48	194.4	460.7	1497.1
92.92	Bot - Section 3	1.00	1.25	7.577	8.33	0.00	1.200	1.664	2.92	11.217	13.46	112.2	265.9	859.0
95.00		1.00	1.25	7.612	8.37	0.00	1.200	1.667	2.08	8.033	9.64	80.7	191.3	964.7
98.92	Top - Section 2	1.00	1.26	7.677	8.45	0.00	1.200	1.674	3.92	14.902	17.88	151.0	354.4	1786.9
100.00		1.00	1.27	7.695	8.46	0.00	1.200	1.676	1.08	4.075	4.89	41.4	97.6	277.3
105.00		1.00	1.28	7.774	8.55	0.00	1.200	1.684	5.00	18.550	22.26	190.4	442.0	1258.4
110.00		1.00	1.29	7.851	8.64	0.00	1.200	1.692	5.00	18.121	21.75	187.8	433.2	1228.7
115.00		1.00	1.30	7.925	8.72	0.00	1.200	1.699	5.00	17.692	21.23	185.1	424.2	1198.8
120.00		1.00	1.32	7.996	8.80	0.00	1.200	1.707	5.00	17.262	20.71	182.2	415.0	1168.7
125.00		1.00	1.33	8.065	8.87	0.00	1.200	1.714	5.00	16.833	20.20	179.2	405.6	1138.5
127.09	Bot - Section 4	1.00	1.33	8.093	8.90	0.00	1.200	1.717	2.09	6.897	8.28	73.7	167.6	467.3
130.00		1.00	1.34	8.132	8.95	0.00	1.200	1.720	2.91	9.613	11.54	103.2	233.6	938.8
132.34	Top - Section 3	1.00	1.34	8.163	8.98	0.00	1.200	1.723	2.34	7.604	9.13	81.9	185.3	742.1
135.00		1.00	1.35	8.197	9.02	0.00	1.200	1.727	2.66	8.553	10.26	92.5	208.4	468.2
140.00		1.00	1.36	8.260	9.09	0.00	1.200	1.733	5.00	15.729	18.87	171.5	381.6	858.0
145.00		1.00	1.37	8.321	9.15	0.00	1.200	1.739	5.00	15.298	18.36	168.0	371.7	833.5
150.00		1.00	1.38	8.381	9.22	0.00	1.200	1.745	5.00	14.868	17.84	164.5	361.7	808.9
155.00		1.00	1.39	8.439	9.28	0.00	1.200	1.751	5.00	14.437	17.32	160.8	351.6	784.2
157.00	Appurtenance(s)	1.00	1.39	8.462	9.31	0.00	1.200	1.753	2.00	5.654	6.78	63.1	139.0	308.0
160.00		1.00	1.40	8.495	9.34	0.00	1.200	1.757	3.00	8.351	10.02	93.7	204.8	453.9
165.00		1.00	1.41	8.551	9.41	0.00	1.200	1.762	5.00	13.575	16.29	153.2	331.1	734.4
167.00	Appurtenance(s)	1.00	1.41	8.572	9.43	0.00	1.200	1.764	2.00	5.309	6.37	60.1	130.8	288.0
170.00		1.00	1.42	8.604	9.46	0.00	1.200	1.767	3.00	7.834	9.40	89.0	192.4	423.9
175.00		1.00	1.42	8.657	9.52	0.00	1.200	1.772	5.00	12.713	15.26	145.3	310.2	684.3
177.00	Appurtenance(s)	1.00	1.43	8.678	9.55	0.00	1.200	1.774	2.00	4.964	5.96	56.9	122.4	267.9
180.00	Appurtenance(s)	1.00	1.43	8.709	9.58	0.00	1.200	1.777	3.00	7.317	8.78	84.1	179.8	393.7

Wind Loading - Shaft

Structure:	CT02218-S-SBA	**Code:**	EIA/TIA-222-G	4/27/2021	
Site Name:	Colchester	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	B - Competent Rock		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 21	

Totals:	**180.00**	**6,546.6**	**54,694.0**

Discrete Appurtenance Forces

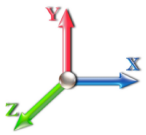
Structure:	CT02218-S-SBA	**Code:**	EIA/TIA-222-G	4/27/2021	
Site Name:	Colchester	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	B - Competent Rock		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 22	

Tower Engineering Solutions

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20

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	180.00	6' Lightning rod	1	8.709	9.579	1.00	1.00	1.49	39.47	0.000	0.000	14.25	0.00	0.00
2	177.00	KRY 112 144/1	3	8.678	9.546	0.50	0.75	1.35	63.18	0.000	0.000	12.85	0.00	0.00
3	177.00	782 11056	3	8.678	9.546	0.50	0.75	1.04	12.17	0.000	0.000	9.90	0.00	0.00
4	177.00	Platform w/ Hand Rail	1	8.678	9.546	1.00	1.00	60.39	3454.89	0.000	0.000	576.45	0.00	0.00
5	177.00	Pipe Mount	1	8.678	9.546	0.56	0.75	4.89	106.62	0.000	0.000	46.70	0.00	0.00
6	177.00	MS-KI22-5 (Kickers w/o	1	8.678	9.546	1.00	1.00	11.00	318.44	0.000	0.000	105.04	0.00	0.00
7	177.00	APXV18-206516S-C-A20	3	8.678	9.546	0.55	0.75	9.03	221.05	0.000	0.000	86.21	0.00	0.00
8	177.00	LNX-6515DS-VTM	3	8.678	9.546	0.60	0.75	26.60	682.79	0.000	0.000	253.87	0.00	0.00
9	177.00	Fastback Networks - IBR	1	8.678	9.546	1.00	1.00	1.02	24.76	0.000	0.000	9.76	0.00	0.00
10	167.00	Raycap	2	8.572	9.429	0.76	0.90	7.19	258.70	0.000	0.000	67.80	0.00	0.00
11	167.00	Commscope	6	8.572	9.429	0.62	0.75	35.39	1522.50	0.000	0.000	333.70	0.00	0.00
12	167.00	Platform w/ Hand Rails	1	8.572	9.429	1.00	1.00	61.17	3916.86	0.000	0.000	576.79	0.00	0.00
13	167.00	Antel	6	8.572	9.429	1.27	0.75	26.57	909.75	0.000	0.000	250.53	0.00	0.00
14	167.00	Samsung B5/B13	3	8.572	9.429	0.50	0.75	3.67	353.68	0.000	0.000	34.64	0.00	0.00
15	167.00	Samsung VZS01	3	8.572	9.429	0.52	0.75	8.06	651.02	0.000	0.000	76.03	0.00	0.00
16	167.00	Samsung B2/B66A	3	8.572	9.429	0.50	0.75	3.67	365.76	0.000	0.000	34.64	0.00	0.00
17	157.00	DMP65R-BU8DA	1	8.462	9.308	0.80	0.80	15.95	164.45	0.000	0.000	148.46	0.00	0.00
18	157.00	Low Profile Platform-flat	1	8.462	9.308	1.00	1.00	46.04	2191.92	0.000	0.000	428.51	0.00	0.00
19	157.00	7770	3	8.462	9.308	0.58	0.80	11.51	533.80	0.000	0.000	107.14	0.00	0.00
20	157.00	DMP65R-BU4DA	2	8.462	9.308	0.66	0.80	11.71	511.43	0.000	0.000	109.00	0.00	0.00
21	157.00	4449 B5/B12	3	8.462	9.308	0.54	0.80	4.05	375.67	0.000	0.000	37.71	0.00	0.00
22	157.00	HPA65R-BU4A	2	8.462	9.308	0.80	0.80	8.85	46.79	0.000	0.000	82.41	0.00	0.00
23	157.00	HPA65R-BU8A	1	8.462	9.308	0.80	0.80	10.02	306.68	0.000	0.000	93.30	0.00	0.00
24	157.00	8843 B2/B66A	3	8.462	9.308	0.54	0.80	3.44	364.38	0.000	0.000	32.02	0.00	0.00
25	157.00	Raycap DC6-48-60-18-8F	1	8.462	9.308	0.80	0.80	1.09	82.57	0.000	0.000	10.13	0.00	0.00
							Totals:		**17,479.32**			**3,537.86**		

Total Applied Force Summary

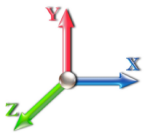
Structure:	CT02218-S-SBA		**Code:**	EIA/TIA-222-G	4/27/2021
Site Name:	Colchester		**Exposure:**	C	
Height:	180.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	B - Competent Rock	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 23

Tower Engineering Solutions

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20

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		179.46	2401.82	0.00	0.00
10.00		177.00	2398.62	0.00	0.00
15.00		174.34	2381.51	0.00	0.00
20.00		182.07	2358.29	0.00	0.00
25.00		187.73	2331.54	0.00	0.00
30.00		191.82	2302.47	0.00	0.00
35.00		194.76	2271.74	0.00	0.00
40.00		196.80	2239.74	0.00	0.00
45.00		198.13	2206.75	0.00	0.00
45.92		36.08	401.26	0.00	0.00
50.00		164.41	2786.55	0.00	0.00
53.00		120.68	2022.38	0.00	0.00
55.00		80.32	783.23	0.00	0.00
60.00		201.84	1934.82	0.00	0.00
65.00		201.33	1903.55	0.00	0.00
70.00		200.48	1871.85	0.00	0.00
75.00		199.34	1839.76	0.00	0.00
80.00		197.93	1807.34	0.00	0.00
85.00		196.28	1774.61	0.00	0.00
90.00		194.41	1741.61	0.00	0.00
92.92		112.18	1001.60	0.00	0.00
95.00		80.72	1066.56	0.00	0.00
98.92		151.02	1978.40	0.00	0.00
100.00		41.39	330.26	0.00	0.00
105.00		190.36	1502.93	0.00	0.00
110.00		187.79	1473.20	0.00	0.00
115.00		185.07	1443.30	0.00	0.00
120.00		182.20	1413.22	0.00	0.00
125.00		179.20	1382.98	0.00	0.00
127.09		73.68	569.34	0.00	0.00
130.00		103.19	1081.23	0.00	0.00
132.34		81.93	856.40	0.00	0.00
135.00		92.54	598.45	0.00	0.00
140.00		171.49	1102.56	0.00	0.00
145.00		168.03	1078.06	0.00	0.00
150.00		164.47	1053.46	0.00	0.00
155.00		160.81	1028.73	0.00	0.00
157.00	(17) attachments	1111.82	4983.45	0.00	0.00
160.00		93.65	552.56	0.00	0.00
165.00		153.22	898.93	0.00	0.00
167.00	(24) attachments	1434.21	8332.08	0.00	0.00
170.00		88.98	469.69	0.00	0.00
175.00		145.27	760.61	0.00	0.00
177.00	(16) attachments	1157.65	5182.37	0.00	0.00
180.00	(1) attachments	98.36	433.16	0.00	0.00

Total Applied Force Summary

Structure:	CT02218-S-SBA		**Code:**	EIA/TIA-222-G	4/27/2021
Site Name:	Colchester		**Exposure:**	C	
Height:	180.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	B - Competent Rock	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 24

Tower Engineering Solutions

Totals:	**10,084.46**	**80,332.95**	**0.00**	**0.00**

Calculated Forces

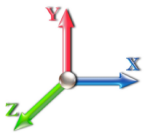
Structure:	CT02218-S-SBA	**Code:**	EIA/TIA-222-G	4/27/2021	
Site Name:	Colchester	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	B - Competent Rock		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 25	

Tower Engineering Solutions

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20

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	-80.33	-10.12	0.00	-1263.4	0.00	1263.44	5508.12	2754.06	13547.4	6725.55	0.00	0.000	0.000	0.202
5.00	-77.92	-10.00	0.00	-1212.8	0.00	1212.85	5452.09	2726.05	13177.2	6541.73	0.03	-0.047	0.000	0.200
10.00	-75.51	-9.89	0.00	-1162.8	0.00	1162.85	5394.71	2697.35	12808.5	6358.68	0.10	-0.095	0.000	0.197
15.00	-73.12	-9.77	0.00	-1113.4	0.00	1113.42	5335.97	2667.98	12441.5	6176.49	0.23	-0.143	0.000	0.194
20.00	-70.76	-9.64	0.00	-1064.5	0.00	1064.58	5275.87	2637.93	12076.4	5995.24	0.40	-0.192	0.000	0.191
25.00	-68.42	-9.50	0.00	-1016.3	0.00	1016.39	5214.41	2607.20	11713.3	5815.02	0.63	-0.241	0.000	0.188
30.00	-66.11	-9.36	0.00	-968.88	0.00	968.88	5151.59	2575.80	11352.6	5635.92	0.91	-0.291	0.000	0.185
35.00	-63.83	-9.21	0.00	-922.10	0.00	922.10	5087.42	2543.71	10994.2	5458.02	1.24	-0.341	0.000	0.182
40.00	-61.58	-9.05	0.00	-876.08	0.00	876.08	5021.88	2510.94	10638.5	5281.41	1.62	-0.391	0.000	0.178
45.00	-59.37	-8.87	0.00	-830.84	0.00	830.84	4954.99	2477.50	10285.5	5106.18	2.06	-0.442	0.000	0.175
45.92	-58.97	-8.85	0.00	-822.71	0.00	822.71	4942.58	2471.29	10221.1	5074.21	2.15	-0.451	0.000	0.174
50.00	-56.18	-8.70	0.00	-786.56	0.00	786.56	4886.75	2443.37	9935.52	4932.41	2.55	-0.493	0.000	0.171
53.00	-54.15	-8.59	0.00	-760.46	0.00	760.46	3967.43	1983.71	8109.29	4025.79	2.87	-0.525	0.000	0.203
55.00	-53.36	-8.54	0.00	-743.29	0.00	743.29	3947.58	1973.79	8001.39	3972.23	3.10	-0.546	0.000	0.201
60.00	-51.42	-8.37	0.00	-700.61	0.00	700.61	3897.00	1948.50	7732.70	3838.84	3.70	-0.603	0.000	0.196
65.00	-49.51	-8.19	0.00	-658.78	0.00	658.78	3845.06	1922.53	7465.70	3706.29	4.36	-0.661	0.000	0.191
70.00	-47.64	-8.02	0.00	-617.81	0.00	617.81	3791.77	1895.89	7200.54	3574.65	5.08	-0.718	0.000	0.185
75.00	-45.79	-7.84	0.00	-577.71	0.00	577.71	3737.12	1868.56	6937.41	3444.02	5.87	-0.776	0.000	0.180
80.00	-43.98	-7.66	0.00	-538.50	0.00	538.50	3681.11	1840.56	6676.48	3314.49	6.71	-0.834	0.000	0.174
85.00	-42.20	-7.48	0.00	-500.19	0.00	500.19	3623.74	1811.87	6417.92	3186.13	7.61	-0.891	0.000	0.169
90.00	-40.46	-7.29	0.00	-462.78	0.00	462.78	3565.02	1782.51	6161.91	3059.03	8.58	-0.948	0.000	0.163
92.92	-39.45	-7.18	0.00	-441.51	0.00	441.51	3530.13	1765.07	6013.81	2985.51	9.17	-0.982	0.000	0.159
95.00	-38.38	-7.11	0.00	-426.55	0.00	426.55	3504.93	1752.47	5908.61	2933.28	9.60	-1.006	0.000	0.156
98.92	-36.41	-6.94	0.00	-398.72	0.00	398.72	2742.07	1371.04	4616.42	2291.78	10.45	-1.051	0.000	0.187
100.00	-36.07	-6.91	0.00	-391.20	0.00	391.20	2732.96	1366.48	4575.83	2271.63	10.69	-1.063	0.000	0.185
105.00	-34.56	-6.73	0.00	-356.63	0.00	356.63	2690.08	1345.04	4389.32	2179.04	11.83	-1.126	0.000	0.177
110.00	-33.09	-6.55	0.00	-322.97	0.00	322.97	2645.83	1322.92	4204.31	2087.20	13.05	-1.188	0.000	0.167
115.00	-31.64	-6.37	0.00	-290.21	0.00	290.21	2600.23	1300.12	4020.98	1996.19	14.32	-1.249	0.000	0.158
120.00	-30.23	-6.19	0.00	-258.37	0.00	258.37	2553.28	1276.64	3839.50	1906.09	15.66	-1.308	0.000	0.147
125.00	-28.85	-5.99	0.00	-227.45	0.00	227.45	2504.96	1252.48	3660.03	1816.99	17.06	-1.364	0.000	0.137
127.09	-28.28	-5.92	0.00	-214.94	0.00	214.94	2484.39	1242.20	3585.78	1780.13	17.66	-1.387	0.000	0.132
130.00	-27.19	-5.80	0.00	-197.69	0.00	197.69	2455.29	1227.64	3482.76	1728.99	18.52	-1.419	0.000	0.125
132.34	-26.34	-5.71	0.00	-184.13	0.00	184.13	1489.26	744.63	2121.49	1053.20	19.22	-1.444	0.000	0.193
135.00	-25.74	-5.63	0.00	-168.92	0.00	168.92	1477.63	738.82	2071.36	1028.31	20.03	-1.471	0.000	0.182
140.00	-24.63	-5.45	0.00	-140.79	0.00	140.79	1454.76	727.38	1977.27	981.60	21.61	-1.535	0.000	0.160
145.00	-23.56	-5.28	0.00	-113.54	0.00	113.54	1430.53	715.26	1883.34	934.97	23.25	-1.592	0.000	0.138
150.00	-22.50	-5.10	0.00	-87.16	0.00	87.16	1404.94	702.47	1789.74	888.50	24.95	-1.642	0.000	0.114
155.00	-21.48	-4.92	0.00	-61.66	0.00	61.66	1377.99	688.99	1696.65	842.29	26.69	-1.683	0.000	0.089
157.00	-16.53	-3.67	0.00	-51.83	0.00	51.83	1366.83	683.41	1659.60	823.90	27.40	-1.697	0.000	0.075
160.00	-15.98	-3.56	0.00	-40.83	0.00	40.83	1349.68	674.84	1604.25	796.42	28.47	-1.715	0.000	0.063
165.00	-15.08	-3.38	0.00	-23.03	0.00	23.03	1320.02	660.01	1512.71	750.97	30.28	-1.736	0.000	0.042
167.00	-6.80	-1.70	0.00	-16.26	0.00	16.26	1307.77	653.89	1476.37	732.93	31.01	-1.742	0.000	0.027
170.00	-6.33	-1.60	0.00	-11.17	0.00	11.17	1289.00	644.50	1422.20	706.04	32.10	-1.749	0.000	0.021
175.00	-5.57	-1.43	0.00	-3.19	0.00	3.19	1256.62	628.31	1332.89	661.70	33.94	-1.755	0.000	0.009
177.00	-0.43	-0.11	0.00	-0.33	0.00	0.33	1243.29	621.64	1297.54	644.16	34.67	-1.755	0.000	0.001
180.00	0.00	-0.10	0.00	0.00	0.00	0.00	1222.88	611.44	1244.96	618.05	35.78	-1.756	0.000	0.000

Seismic Segment Forces (Factored)

Structure:	CT02218-S-SBA	**Code:**	EIA/TIA-222-G	4/27/2021	
Site Name:	Colchester	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	B - Competent Rock		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 26	

Tower Engineering Solutions

Load Case:	1.2D + 1.0E							**Iterations**	23
Gust Response Factor	1.10				**Sds**	0.12		**Ss**	0.18
Dead Load Factor	1.20	**Seismic Load Factor**	1.00		**Sd1**	0.04		**S1**	0.06
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.33		**SA**	0.01	**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		1403.7	0.00	0.03	0.02	18.18	
10.00		1379.3	0.01	0.05	0.03	25.28	
15.00		1354.9	0.01	0.06	0.03	28.55	
20.00		1330.6	0.02	0.07	0.04	30.00	
25.00		1306.2	0.04	0.07	0.04	30.56	
30.00		1281.8	0.05	0.07	0.04	30.72	
35.00		1257.5	0.07	0.07	0.04	30.75	
40.00		1233.1	0.09	0.07	0.04	30.79	
45.00		1208.7	0.12	0.07	0.03	30.86	
45.92	Bot - Section 2	218.97	0.12	0.07	0.03	5.61	
50.00		1805.5	0.15	0.07	0.03	47.13	
53.00	Top - Section 1	1307.2	0.16	0.07	0.03	34.52	
55.00		401.39	0.18	0.07	0.03	10.66	
60.00		988.87	0.21	0.06	0.02	26.43	
65.00		968.00	0.25	0.06	0.02	25.46	
70.00		947.14	0.29	0.05	0.01	23.55	
75.00		926.28	0.33	0.04	0.01	20.28	
80.00		905.41	0.37	0.03	0.01	15.26	
85.00		884.55	0.42	0.01	0.01	8.35	
90.00		863.69	0.47	-0.01	0.01	0.07	
92.92	Bot - Section 3	494.18	0.50	-0.02	0.01	-2.85	
95.00		644.51	0.53	-0.03	0.01	-6.38	
98.92	Top - Section 2	1193.6	0.57	-0.04	0.01	-20.32	
100.00		149.70	0.58	-0.05	0.01	-2.81	
105.00		680.33	0.64	-0.07	0.02	-17.28	
110.00		662.92	0.71	-0.09	0.03	-19.43	
115.00		645.50	0.77	-0.11	0.05	-19.78	
120.00		628.09	0.84	-0.12	0.07	-18.58	
125.00		610.68	0.91	-0.12	0.09	-16.08	
127.09	Bot - Section 4	249.71	0.94	-0.12	0.10	-6.08	
130.00		587.62	0.99	-0.11	0.12	-12.35	
132.34	Top - Section 3	464.04	1.02	-0.10	0.14	-8.28	
135.00		216.47	1.06	-0.09	0.17	-2.96	
140.00		397.05	1.14	-0.04	0.21	-1.74	
145.00		384.86	1.23	0.03	0.27	2.67	
150.00		372.68	1.31	0.14	0.35	7.57	
155.00		360.49	1.40	0.29	0.43	12.89	
157.00	Appurtenance(s)	2228.7	1.44	0.36	0.47	94.80	
160.00		207.52	1.49	0.48	0.53	11.07	
165.00		336.12	1.59	0.74	0.65	24.58	
167.00	Appurtenance(s)	3232.4	1.63	0.86	0.71	263.91	
170.00		192.90	1.69	1.07	0.79	18.35	
175.00		311.76	1.79	1.48	0.95	37.23	
177.00	Appurtenance(s)	2160.0	1.83	1.67	1.03	280.37	
180.00	Appurtenance(s)	184.78	1.89	1.98	1.14	26.99	

Seismic Segment Forces (Factored)

Structure:	CT02218-S-SBA	**Code:**	EIA/TIA-222-G	4/27/2021	
Site Name:	Colchester	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	B - Competent Rock		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 27	

Tower Engineering Solutions

Totals:	**39,570.3**	**1,098.5**	**Total Wind:**	**43,978.8**

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

Calculated Forces

Structure:	CT02218-S-SBA	**Code:**	EIA/TIA-222-G	4/27/2021	
Site Name:	Colchester	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	B - Competent Rock		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 28	

Tower Engineering Solutions

Load Case: 1.2D + 1.0E

Iterations 23

Gust Response Factor	1.10			**Sds**	0.12			**Ss**	0.18
Dead Load Factor	1.20	**Seismic Load Factor**	1.00	**Sd1**	0.04			**S1**	0.06
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.33	**SA**	0.01			**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	-55.64	-1.26	0.00	-159.70	0.00	159.70	5508.12	2754.06	13547.4	6725.55		0.00	0.00	0.034
5.00	-53.71	-1.24	0.00	-153.42	0.00	153.42	5452.09	2726.05	13177.2	6541.73		0.00	-0.01	0.033
10.00	-51.81	-1.22	0.00	-147.20	0.00	147.20	5394.71	2697.35	12808.5	6358.68		0.01	-0.01	0.033
15.00	-49.94	-1.20	0.00	-141.09	0.00	141.09	5335.97	2667.98	12441.5	6176.49		0.03	-0.02	0.032
20.00	-48.10	-1.17	0.00	-135.09	0.00	135.09	5275.87	2637.93	12076.4	5995.24		0.05	-0.02	0.032
25.00	-46.29	-1.15	0.00	-129.22	0.00	129.22	5214.41	2607.20	11713.3	5815.02		0.08	-0.03	0.031
30.00	-44.51	-1.12	0.00	-123.49	0.00	123.49	5151.59	2575.80	11352.6	5635.92		0.12	-0.04	0.031
35.00	-42.75	-1.09	0.00	-117.88	0.00	117.88	5087.42	2543.71	10994.2	5458.02		0.16	-0.04	0.030
40.00	-41.03	-1.07	0.00	-112.42	0.00	112.42	5021.88	2510.94	10638.5	5281.41		0.21	-0.05	0.029
45.00	-39.33	-1.04	0.00	-107.09	0.00	107.09	4954.99	2477.50	10285.5	5106.18		0.26	-0.06	0.029
45.92	-39.03	-1.03	0.00	-106.14	0.00	106.14	4942.58	2471.29	10221.1	5074.21		0.27	-0.06	0.029
50.00	-36.66	-0.99	0.00	-101.92	0.00	101.92	4886.75	2443.37	9935.52	4932.41		0.32	-0.06	0.028
53.00	-34.95	-0.95	0.00	-98.96	0.00	98.96	3967.43	1983.71	8109.29	4025.79		0.36	-0.07	0.033
55.00	-34.37	-0.94	0.00	-97.06	0.00	97.06	3947.58	1973.79	8001.39	3972.23		0.39	-0.07	0.033
60.00	-32.93	-0.92	0.00	-92.34	0.00	92.34	3897.00	1948.50	7732.70	3838.84		0.47	-0.08	0.033
65.00	-31.53	-0.90	0.00	-87.75	0.00	87.75	3845.06	1922.53	7465.70	3706.29		0.56	-0.08	0.032
70.00	-30.15	-0.87	0.00	-83.26	0.00	83.26	3791.77	1895.89	7200.54	3574.65		0.65	-0.09	0.031
75.00	-28.79	-0.86	0.00	-78.89	0.00	78.89	3737.12	1868.56	6937.41	3444.02		0.75	-0.10	0.031
80.00	-27.46	-0.84	0.00	-74.61	0.00	74.61	3681.11	1840.56	6676.48	3314.49		0.86	-0.11	0.030
85.00	-26.15	-0.83	0.00	-70.40	0.00	70.40	3623.74	1811.87	6417.92	3186.13		0.98	-0.12	0.029
90.00	-24.87	-0.83	0.00	-66.23	0.00	66.23	3565.02	1782.51	6161.91	3059.03		1.10	-0.12	0.029
92.92	-24.14	-0.84	0.00	-63.79	0.00	63.79	3530.13	1765.07	6013.81	2985.51		1.18	-0.13	0.028
95.00	-23.26	-0.84	0.00	-62.05	0.00	62.05	3504.93	1752.47	5908.61	2933.28		1.24	-0.13	0.028
98.92	-21.64	-0.83	0.00	-58.78	0.00	58.78	2742.07	1371.04	4616.42	2291.78		1.35	-0.14	0.034
100.00	-21.40	-0.83	0.00	-57.88	0.00	57.88	2732.96	1366.48	4575.83	2271.63		1.38	-0.14	0.033
105.00	-20.34	-0.84	0.00	-53.71	0.00	53.71	2690.08	1345.04	4389.32	2179.04		1.53	-0.15	0.032
110.00	-19.30	-0.84	0.00	-49.53	0.00	49.53	2645.83	1322.92	4204.31	2087.20		1.70	-0.16	0.031
115.00	-18.28	-0.84	0.00	-45.35	0.00	45.35	2600.23	1300.12	4020.98	1996.19		1.87	-0.17	0.030
120.00	-17.29	-0.84	0.00	-41.18	0.00	41.18	2553.28	1276.64	3839.50	1906.09		2.05	-0.18	0.028
125.00	-16.31	-0.83	0.00	-37.00	0.00	37.00	2504.96	1252.48	3660.03	1816.99		2.24	-0.19	0.027
127.09	-15.91	-0.83	0.00	-35.26	0.00	35.26	2484.39	1242.20	3585.78	1780.13		2.33	-0.19	0.026
130.00	-15.06	-0.83	0.00	-32.83	0.00	32.83	2455.29	1227.64	3482.76	1728.99		2.44	-0.20	0.025
132.34	-14.39	-0.83	0.00	-30.89	0.00	30.89	1489.26	744.63	2121.49	1053.20		2.54	-0.20	0.039
135.00	-14.00	-0.83	0.00	-28.67	0.00	28.67	1477.63	738.82	2071.36	1028.31		2.66	-0.21	0.037
140.00	-13.28	-0.83	0.00	-24.51	0.00	24.51	1454.76	727.38	1977.27	981.60		2.88	-0.22	0.034
145.00	-12.57	-0.83	0.00	-20.36	0.00	20.36	1430.53	715.26	1883.34	934.97		3.11	-0.23	0.031
150.00	-11.88	-0.82	0.00	-16.22	0.00	16.22	1404.94	702.47	1789.74	888.50		3.35	-0.24	0.027
155.00	-11.20	-0.80	0.00	-12.12	0.00	12.12	1377.99	688.99	1696.65	842.29		3.60	-0.24	0.023
157.00	-8.43	-0.70	0.00	-10.51	0.00	10.51	1366.83	683.41	1659.60	823.90		3.71	-0.25	0.019
160.00	-8.08	-0.69	0.00	-8.41	0.00	8.41	1349.68	674.84	1604.25	796.42		3.86	-0.25	0.017
165.00	-7.51	-0.66	0.00	-4.98	0.00	4.98	1320.02	660.01	1512.71	750.97		4.13	-0.25	0.012
167.00	-3.57	-0.38	0.00	-3.66	0.00	3.66	1307.77	653.89	1476.37	732.93		4.23	-0.26	0.008
170.00	-3.29	-0.36	0.00	-2.52	0.00	2.52	1289.00	644.50	1422.20	706.04		4.39	-0.26	0.006
175.00	-2.84	-0.32	0.00	-0.72	0.00	0.72	1256.62	628.31	1332.89	661.70		4.66	-0.26	0.003
177.00	-0.22	-0.03	0.00	-0.08	0.00	0.08	1243.29	621.64	1297.54	644.16		4.77	-0.26	0.000
180.00	0.00	-0.03	0.00	0.00	0.00	0.00	1222.88	611.44	1244.96	618.05		4.93	-0.26	0.000

Calculated Forces

Structure:	CT02218-S-SBA		**Code:**	EIA/TIA-222-G	4/27/2021
Site Name:	Colchester		**Exposure:**	C	
Height:	180.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	B - Competent Rock	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 29

Tower Engineering Solutions

Seismic Segment Forces (Factored)

Structure:	CT02218-S-SBA	**Code:**	EIA/TIA-222-G	4/27/2021	
Site Name:	Colchester	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	B - Competent Rock		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 30	

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Load Case:	0.9D + 1.0E							**Iterations**	22
Gust Response Factor	1.10				**Sds**	0.12		**Ss**	0.18
Dead Load Factor	0.90	**Seismic Load Factor**	1.00		**Sd1**	0.04		**S1**	0.06
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.33		**SA**	0.01	**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		1403.7	0.00	0.03	0.02	18.18	
10.00		1379.3	0.01	0.05	0.03	25.28	
15.00		1354.9	0.01	0.06	0.03	28.55	
20.00		1330.6	0.02	0.07	0.04	30.00	
25.00		1306.2	0.04	0.07	0.04	30.56	
30.00		1281.8	0.05	0.07	0.04	30.72	
35.00		1257.5	0.07	0.07	0.04	30.75	
40.00		1233.1	0.09	0.07	0.04	30.79	
45.00		1208.7	0.12	0.07	0.03	30.86	
45.92	Bot - Section 2	218.97	0.12	0.07	0.03	5.61	
50.00		1805.5	0.15	0.07	0.03	47.13	
53.00	Top - Section 1	1307.2	0.16	0.07	0.03	34.52	
55.00		401.39	0.18	0.07	0.03	10.66	
60.00		988.87	0.21	0.06	0.02	26.43	
65.00		968.00	0.25	0.06	0.02	25.46	
70.00		947.14	0.29	0.05	0.01	23.55	
75.00		926.28	0.33	0.04	0.01	20.28	
80.00		905.41	0.37	0.03	0.01	15.26	
85.00		884.55	0.42	0.01	0.01	8.35	
90.00		863.69	0.47	-0.01	0.01	0.07	
92.92	Bot - Section 3	494.18	0.50	-0.02	0.01	-2.85	
95.00		644.51	0.53	-0.03	0.01	-6.38	
98.92	Top - Section 2	1193.6	0.57	-0.04	0.01	-20.32	
100.00		149.70	0.58	-0.05	0.01	-2.81	
105.00		680.33	0.64	-0.07	0.02	-17.28	
110.00		662.92	0.71	-0.09	0.03	-19.43	
115.00		645.50	0.77	-0.11	0.05	-19.78	
120.00		628.09	0.84	-0.12	0.07	-18.58	
125.00		610.68	0.91	-0.12	0.09	-16.08	
127.09	Bot - Section 4	249.71	0.94	-0.12	0.10	-6.08	
130.00		587.62	0.99	-0.11	0.12	-12.35	
132.34	Top - Section 3	464.04	1.02	-0.10	0.14	-8.28	
135.00		216.47	1.06	-0.09	0.17	-2.96	
140.00		397.05	1.14	-0.04	0.21	-1.74	
145.00		384.86	1.23	0.03	0.27	2.67	
150.00		372.68	1.31	0.14	0.35	7.57	
155.00		360.49	1.40	0.29	0.43	12.89	
157.00	Appurtenance(s)	2228.7	1.44	0.36	0.47	94.80	
160.00		207.52	1.49	0.48	0.53	11.07	
165.00		336.12	1.59	0.74	0.65	24.58	
167.00	Appurtenance(s)	3232.4	1.63	0.86	0.71	263.91	
170.00		192.90	1.69	1.07	0.79	18.35	
175.00		311.76	1.79	1.48	0.95	37.23	
177.00	Appurtenance(s)	2160.0	1.83	1.67	1.03	280.37	
180.00	Appurtenance(s)	184.78	1.89	1.98	1.14	26.99	

Seismic Segment Forces (Factored)

Structure:	CT02218-S-SBA	**Code:**	EIA/TIA-222-G	4/27/2021	
Site Name:	Colchester	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	B - Competent Rock		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 31	

Tower Engineering Solutions

Totals:	**39,570.3**	**1,098.5**	**Total Wind:**	**43,978.8**

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

Calculated Forces

Structure:	CT02218-S-SBA	**Code:**	EIA/TIA-222-G	4/27/2021	
Site Name:	Colchester	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	B - Competent Rock		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 32	

Tower Engineering Solutions

Load Case: 0.9D + 1.0E

Iterations 22

Gust Response Factor	1.10			**Sds**	0.12			**Ss**	0.18
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.04			**S1**	0.06
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.33	**SA**	0.01			**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	-41.73	-1.25	0.00	-157.66	0.00	157.66	5508.12	2754.06	13547.4	6725.55		0.00	0.00	0.031
5.00	-40.29	-1.24	0.00	-151.39	0.00	151.39	5452.09	2726.05	13177.2	6541.73		0.00	-0.01	0.031
10.00	-38.86	-1.22	0.00	-145.19	0.00	145.19	5394.71	2697.35	12808.5	6358.68		0.01	-0.01	0.030
15.00	-37.46	-1.19	0.00	-139.10	0.00	139.10	5335.97	2667.98	12441.5	6176.49		0.03	-0.02	0.030
20.00	-36.08	-1.17	0.00	-133.13	0.00	133.13	5275.87	2637.93	12076.4	5995.24		0.05	-0.02	0.029
25.00	-34.72	-1.14	0.00	-127.30	0.00	127.30	5214.41	2607.20	11713.3	5815.02		0.08	-0.03	0.029
30.00	-33.38	-1.11	0.00	-121.60	0.00	121.60	5151.59	2575.80	11352.6	5635.92		0.11	-0.04	0.028
35.00	-32.07	-1.08	0.00	-116.05	0.00	116.05	5087.42	2543.71	10994.2	5458.02		0.15	-0.04	0.028
40.00	-30.77	-1.06	0.00	-110.63	0.00	110.63	5021.88	2510.94	10638.5	5281.41		0.20	-0.05	0.027
45.00	-29.50	-1.03	0.00	-105.35	0.00	105.35	4954.99	2477.50	10285.5	5106.18		0.26	-0.06	0.027
45.92	-29.27	-1.02	0.00	-104.41	0.00	104.41	4942.58	2471.29	10221.1	5074.21		0.27	-0.06	0.026
50.00	-27.50	-0.97	0.00	-100.25	0.00	100.25	4886.75	2443.37	9935.52	4932.41		0.32	-0.06	0.026
53.00	-26.21	-0.94	0.00	-97.32	0.00	97.32	3967.43	1983.71	8109.29	4025.79		0.36	-0.07	0.031
55.00	-25.77	-0.93	0.00	-95.44	0.00	95.44	3947.58	1973.79	8001.39	3972.23		0.39	-0.07	0.031
60.00	-24.70	-0.91	0.00	-90.79	0.00	90.79	3897.00	1948.50	7732.70	3838.84		0.46	-0.08	0.030
65.00	-23.65	-0.88	0.00	-86.26	0.00	86.26	3845.06	1922.53	7465.70	3706.29		0.55	-0.08	0.029
70.00	-22.61	-0.86	0.00	-81.85	0.00	81.85	3791.77	1895.89	7200.54	3574.65		0.64	-0.09	0.029
75.00	-21.59	-0.84	0.00	-77.55	0.00	77.55	3737.12	1868.56	6937.41	3444.02		0.74	-0.10	0.028
80.00	-20.59	-0.83	0.00	-73.34	0.00	73.34	3681.11	1840.56	6676.48	3314.49		0.85	-0.11	0.028
85.00	-19.61	-0.82	0.00	-69.20	0.00	69.20	3623.74	1811.87	6417.92	3186.13		0.96	-0.11	0.027
90.00	-18.65	-0.82	0.00	-65.11	0.00	65.11	3565.02	1782.51	6161.91	3059.03		1.09	-0.12	0.027
92.92	-18.10	-0.82	0.00	-62.72	0.00	62.72	3530.13	1765.07	6013.81	2985.51		1.16	-0.13	0.026
95.00	-17.45	-0.82	0.00	-61.01	0.00	61.01	3504.93	1752.47	5908.61	2933.28		1.22	-0.13	0.026
98.92	-16.23	-0.82	0.00	-57.80	0.00	57.80	2742.07	1371.04	4616.42	2291.78		1.33	-0.14	0.031
100.00	-16.05	-0.82	0.00	-56.91	0.00	56.91	2732.96	1366.48	4575.83	2271.63		1.36	-0.14	0.031
105.00	-15.26	-0.82	0.00	-52.81	0.00	52.81	2690.08	1345.04	4389.32	2179.04		1.51	-0.15	0.030
110.00	-14.48	-0.82	0.00	-48.72	0.00	48.72	2645.83	1322.92	4204.31	2087.20		1.67	-0.16	0.029
115.00	-13.71	-0.82	0.00	-44.61	0.00	44.61	2600.23	1300.12	4020.98	1996.19		1.84	-0.17	0.028
120.00	-12.96	-0.82	0.00	-40.51	0.00	40.51	2553.28	1276.64	3839.50	1906.09		2.02	-0.18	0.026
125.00	-12.23	-0.82	0.00	-36.41	0.00	36.41	2504.96	1252.48	3660.03	1816.99		2.21	-0.18	0.025
127.09	-11.93	-0.82	0.00	-34.70	0.00	34.70	2484.39	1242.20	3585.78	1780.13		2.29	-0.19	0.024
130.00	-11.29	-0.82	0.00	-32.32	0.00	32.32	2455.29	1227.64	3482.76	1728.99		2.41	-0.19	0.023
132.34	-10.79	-0.82	0.00	-30.41	0.00	30.41	1489.26	744.63	2121.49	1053.20		2.50	-0.20	0.036
135.00	-10.50	-0.82	0.00	-28.23	0.00	28.23	1477.63	738.82	2071.36	1028.31		2.61	-0.20	0.035
140.00	-9.96	-0.82	0.00	-24.14	0.00	24.14	1454.76	727.38	1977.27	981.60		2.83	-0.21	0.031
145.00	-9.43	-0.81	0.00	-20.06	0.00	20.06	1430.53	715.26	1883.34	934.97		3.06	-0.22	0.028
150.00	-8.91	-0.81	0.00	-15.98	0.00	15.98	1404.94	702.47	1789.74	888.50		3.30	-0.23	0.024
155.00	-8.40	-0.79	0.00	-11.95	0.00	11.95	1377.99	688.99	1696.65	842.29		3.55	-0.24	0.020
157.00	-6.32	-0.69	0.00	-10.37	0.00	10.37	1366.83	683.41	1659.60	823.90		3.65	-0.24	0.017
160.00	-6.06	-0.68	0.00	-8.30	0.00	8.30	1349.68	674.84	1604.25	796.42		3.80	-0.25	0.015
165.00	-5.63	-0.65	0.00	-4.92	0.00	4.92	1320.02	660.01	1512.71	750.97		4.06	-0.25	0.011
167.00	-2.68	-0.37	0.00	-3.62	0.00	3.62	1307.77	653.89	1476.37	732.93		4.17	-0.25	0.007
170.00	-2.47	-0.36	0.00	-2.49	0.00	2.49	1289.00	644.50	1422.20	706.04		4.32	-0.25	0.005
175.00	-2.13	-0.32	0.00	-0.72	0.00	0.72	1256.62	628.31	1332.89	661.70		4.59	-0.25	0.003
177.00	-0.17	-0.03	0.00	-0.08	0.00	0.08	1243.29	621.64	1297.54	644.16		4.70	-0.25	0.000
180.00	0.00	-0.03	0.00	0.00	0.00	0.00	1222.88	611.44	1244.96	618.05		4.86	-0.25	0.000

Calculated Forces

Structure:	CT02218-S-SBA		**Code:**	EIA/TIA-222-G	4/27/2021
Site Name:	Colchester		**Exposure:**	C	
Height:	180.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	B - Competent Rock	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 33

Wind Loading - Shaft

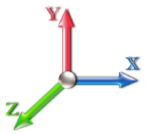
Structure:	CT02218-S-SBA	**Code:**	EIA/TIA-222-G	4/27/2021	
Site Name:	Colchester	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	B - Competent Rock		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 34	

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 24

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	277.19	0.750	0.000	5.00	25.272	18.95	155.2	0.0	1403.7
10.00		1.00	0.85	7.442	8.19	272.37	0.750	0.000	5.00	24.837	18.63	152.5	0.0	1379.4
15.00		1.00	0.85	7.442	8.19	267.55	0.750	0.000	5.00	24.401	18.30	149.8	0.0	1355.0
20.00		1.00	0.90	7.896	8.69	270.63	0.750	0.000	5.00	23.966	17.97	156.1	0.0	1330.6
25.00		1.00	0.95	8.276	9.10	271.98	0.750	0.000	5.00	23.530	17.65	160.7	0.0	1306.3
30.00		1.00	0.98	8.600	9.46	272.07	0.750	0.000	5.00	23.095	17.32	163.9	0.0	1281.9
35.00		1.00	1.01	8.883	9.77	271.26	0.750	0.000	5.00	22.659	16.99	166.1	0.0	1257.5
40.00		1.00	1.04	9.137	10.05	269.76	0.750	0.000	5.00	22.224	16.67	167.5	0.0	1233.1
45.00		1.00	1.07	9.366	10.30	267.72	0.750	0.000	5.00	21.788	16.34	168.4	0.0	1208.8
45.92	Bot - Section 2	1.00	1.07	9.406	10.35	267.30	0.750	0.000	0.92	3.947	2.96	30.6	0.0	219.0
50.00		1.00	1.09	9.576	10.53	265.24	0.750	0.000	4.08	17.666	13.25	139.6	0.0	1805.5
53.00	Top - Section 1	1.00	1.11	9.694	10.66	263.58	0.750	0.000	3.00	12.794	9.60	102.3	0.0	1307.3
55.00		1.00	1.12	9.770	10.75	266.44	0.750	0.000	2.00	8.442	6.33	68.0	0.0	401.4
60.00		1.00	1.14	9.951	10.95	263.32	0.750	0.000	5.00	20.800	15.60	170.8	0.0	988.9
65.00		1.00	1.16	10.120	11.13	259.93	0.750	0.000	5.00	20.365	15.27	170.0	0.0	968.0
70.00		1.00	1.17	10.279	11.31	256.30	0.750	0.000	5.00	19.929	14.95	169.0	0.0	947.1
75.00		1.00	1.19	10.430	11.47	252.46	0.750	0.000	5.00	19.494	14.62	167.7	0.0	926.3
80.00		1.00	1.21	10.572	11.63	248.44	0.750	0.000	5.00	19.058	14.29	166.2	0.0	905.4
85.00		1.00	1.22	10.708	11.78	244.25	0.750	0.000	5.00	18.623	13.97	164.5	0.0	884.5
90.00		1.00	1.24	10.838	11.92	239.91	0.750	0.000	5.00	18.187	13.64	162.6	0.0	863.7
92.92	Bot - Section 3	1.00	1.25	10.911	12.00	237.32	0.750	0.000	2.92	10.408	7.81	93.7	0.0	494.2
95.00		1.00	1.25	10.962	12.06	235.43	0.750	0.000	2.08	7.454	5.59	67.4	0.0	644.5
98.92	Top - Section 2	1.00	1.26	11.055	12.16	231.84	0.750	0.000	3.92	13.810	10.36	126.0	0.0	1193.7
100.00		1.00	1.27	11.081	12.19	234.42	0.750	0.000	1.08	3.773	2.83	34.5	0.0	149.7
105.00		1.00	1.28	11.195	12.31	229.72	0.750	0.000	5.00	17.147	12.86	158.4	0.0	680.3
110.00		1.00	1.29	11.305	12.44	224.91	0.750	0.000	5.00	16.711	12.53	155.9	0.0	662.9
115.00		1.00	1.30	11.412	12.55	219.99	0.750	0.000	5.00	16.276	12.21	153.2	0.0	645.5
120.00		1.00	1.32	11.514	12.67	214.99	0.750	0.000	5.00	15.840	11.88	150.5	0.0	628.1
125.00		1.00	1.33	11.614	12.78	209.90	0.750	0.000	5.00	15.405	11.55	147.6	0.0	610.7
127.09	Bot - Section 4	1.00	1.33	11.654	12.82	207.75	0.750	0.000	2.09	6.300	4.73	60.6	0.0	249.7
130.00		1.00	1.34	11.710	12.88	204.72	0.750	0.000	2.91	8.777	6.58	84.8	0.0	587.6
132.34	Top - Section 3	1.00	1.34	11.754	12.93	202.27	0.750	0.000	2.34	6.933	5.20	67.2	0.0	464.0
135.00		1.00	1.35	11.803	12.98	202.06	0.750	0.000	2.66	7.787	5.84	75.8	0.0	216.5
140.00		1.00	1.36	11.894	13.08	196.74	0.750	0.000	5.00	14.284	10.71	140.2	0.0	397.0
145.00		1.00	1.37	11.982	13.18	191.36	0.750	0.000	5.00	13.849	10.39	136.9	0.0	384.9
150.00		1.00	1.38	12.068	13.27	185.91	0.750	0.000	5.00	13.413	10.06	133.5	0.0	372.7
155.00		1.00	1.39	12.152	13.37	180.39	0.750	0.000	5.00	12.978	9.73	130.1	0.0	360.5
157.00	Appurtenance(s)	1.00	1.39	12.185	13.40	178.17	0.750	0.000	2.00	5.069	3.80	51.0	0.0	140.8
160.00		1.00	1.40	12.233	13.46	174.82	0.750	0.000	3.00	7.473	5.60	75.4	0.0	207.5
165.00		1.00	1.41	12.313	13.54	169.19	0.750	0.000	5.00	12.107	9.08	123.0	0.0	336.1
167.00	Appurtenance(s)	1.00	1.41	12.344	13.58	166.92	0.750	0.000	2.00	4.721	3.54	48.1	0.0	131.0
170.00		1.00	1.42	12.390	13.63	163.50	0.750	0.000	3.00	6.950	5.21	71.0	0.0	192.9
175.00		1.00	1.42	12.466	13.71	157.77	0.750	0.000	5.00	11.236	8.43	115.6	0.0	311.8
177.00	Appurtenance(s)	1.00	1.43	12.496	13.75	155.46	0.750	0.000	2.00	4.372	3.28	45.1	0.0	121.3
180.00	Appurtenance(s)	1.00	1.43	12.540	13.79	151.98	0.750	0.000	3.00	6.428	4.82	66.5	0.0	178.3

Wind Loading - Shaft

Structure:	CT02218-S-SBA	**Code:**	EIA/TIA-222-G	4/27/2021	
Site Name:	Colchester	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	B - Competent Rock		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 35	

Tower Engineering Solutions

Totals:	**180.00**	**5,463.3**	**32,335.6**

Discrete Appurtenance Forces

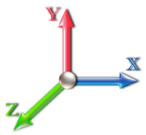
Structure:	CT02218-S-SBA	**Code:**	EIA/TIA-222-G	4/27/2021	
Site Name:	Colchester	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	B - Competent Rock		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 36	

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 24

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	180.00	6' Lightning rod	1	12.540	13.794	1.00	1.00	0.38	6.50	0.000	0.000	5.24	0.00	0.00
2	177.00	KRY 112 144/1	3	12.496	13.746	0.50	0.75	0.62	33.00	0.000	0.000	8.50	0.00	0.00
3	177.00	782 11056	3	12.496	13.746	0.50	0.75	0.42	5.40	0.000	0.000	5.80	0.00	0.00
4	177.00	Platform w/ Hand Rail	1	12.496	13.746	1.00	1.00	32.00	1600.00	0.000	0.000	439.86	0.00	0.00
5	177.00	Pipe Mount	1	12.496	13.746	0.56	0.75	1.48	40.00	0.000	0.000	20.34	0.00	0.00
6	177.00	MS-KI22-5 (Kickers w/o	1	12.496	13.746	1.00	1.00	5.33	146.00	0.000	0.000	73.26	0.00	0.00
7	177.00	APXV18-206516S-C-A20	3	12.496	13.746	0.55	0.75	5.93	56.10	0.000	0.000	81.50	0.00	0.00
8	177.00	LNX-6515DS-VTM	3	12.496	13.746	0.60	0.75	20.65	149.40	0.000	0.000	283.79	0.00	0.00
9	177.00	Fastback Networks - IBR	1	12.496	13.746	1.00	1.00	0.67	8.90	0.000	0.000	9.21	0.00	0.00
10	167.00	Raycap	2	12.344	13.578	0.76	0.90	5.73	64.00	0.000	0.000	77.81	0.00	0.00
11	167.00	Commscope	6	12.344	13.578	0.62	0.75	30.48	240.00	0.000	0.000	413.84	0.00	0.00
12	167.00	Platform w/ Hand Rails	1	12.344	13.578	1.00	1.00	40.00	2000.00	0.000	0.000	543.14	0.00	0.00
13	167.00	Antel	6	12.344	13.578	1.27	0.75	19.97	72.00	0.000	0.000	271.11	0.00	0.00
14	167.00	Samsung B5/B13	3	12.344	13.578	0.50	0.75	2.83	253.20	0.000	0.000	38.48	0.00	0.00
15	167.00	Samsung VZS01	3	12.344	13.578	0.52	0.75	6.68	261.30	0.000	0.000	90.65	0.00	0.00
16	167.00	Samsung B2/B66A	3	12.344	13.578	0.50	0.75	2.83	210.90	0.000	0.000	38.48	0.00	0.00
17	157.00	DMP65R-BU8DA	1	12.185	13.403	0.80	0.80	14.30	52.50	0.000	0.000	191.61	0.00	0.00
18	157.00	Low Profile Platform-flat	1	12.185	13.403	1.00	1.00	25.00	1200.00	0.000	0.000	335.08	0.00	0.00
19	157.00	7770	3	12.185	13.403	0.58	0.80	9.64	105.00	0.000	0.000	129.15	0.00	0.00
20	157.00	DMP65R-BU4DA	2	12.185	13.403	0.66	0.80	10.50	135.80	0.000	0.000	140.68	0.00	0.00
21	157.00	4449 B5/B12	3	12.185	13.403	0.54	0.80	3.17	213.00	0.000	0.000	42.46	0.00	0.00
22	157.00	HPA65R-BU4A	2	12.185	13.403	0.80	0.80	7.94	57.40	0.000	0.000	106.37	0.00	0.00
23	157.00	HPA65R-BU8A	1	12.185	13.403	0.80	0.80	8.98	76.50	0.000	0.000	120.41	0.00	0.00
24	157.00	8843 B2/B66A	3	12.185	13.403	0.54	0.80	2.64	216.00	0.000	0.000	35.35	0.00	0.00
25	157.00	Raycap DC6-48-60-18-8F	1	12.185	13.403	0.80	0.80	0.74	31.80	0.000	0.000	9.86	0.00	0.00
							Totals:		**7,234.70**			**3,511.98**		

Total Applied Force Summary

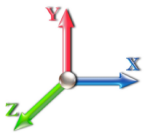
Structure:	CT02218-S-SBA		**Code:**	EIA/TIA-222-G	4/27/2021
Site Name:	Colchester		**Exposure:**	C	
Height:	180.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	B - Competent Rock	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 37

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 24

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		155.16	1607.50	0.00	0.00
10.00		152.49	1583.13	0.00	0.00
15.00		149.81	1558.76	0.00	0.00
20.00		156.12	1534.39	0.00	0.00
25.00		160.66	1510.03	0.00	0.00
30.00		163.85	1485.66	0.00	0.00
35.00		166.07	1461.29	0.00	0.00
40.00		167.52	1436.92	0.00	0.00
45.00		168.36	1412.55	0.00	0.00
45.92		30.63	256.32	0.00	0.00
50.00		139.56	1971.95	0.00	0.00
53.00		102.32	1429.55	0.00	0.00
55.00		68.05	482.90	0.00	0.00
60.00		170.76	1192.64	0.00	0.00
65.00		170.03	1171.77	0.00	0.00
70.00		169.01	1150.91	0.00	0.00
75.00		167.73	1130.05	0.00	0.00
80.00		166.23	1109.18	0.00	0.00
85.00		164.52	1088.32	0.00	0.00
90.00		162.61	1067.46	0.00	0.00
92.92		93.69	613.05	0.00	0.00
95.00		67.41	729.41	0.00	0.00
98.92		125.95	1353.30	0.00	0.00
100.00		34.49	193.85	0.00	0.00
105.00		158.37	884.10	0.00	0.00
110.00		155.86	866.69	0.00	0.00
115.00		153.23	849.27	0.00	0.00
120.00		150.47	831.86	0.00	0.00
125.00		147.60	814.45	0.00	0.00
127.09		60.57	334.75	0.00	0.00
130.00		84.80	706.35	0.00	0.00
132.34		67.23	559.27	0.00	0.00
135.00		75.82	325.01	0.00	0.00
140.00		140.17	600.82	0.00	0.00
145.00		136.90	588.63	0.00	0.00
150.00		133.55	576.45	0.00	0.00
155.00		130.10	564.26	0.00	0.00
157.00	(17) attachments	1161.92	2310.29	0.00	0.00
160.00		75.42	289.77	0.00	0.00
165.00		122.98	473.19	0.00	0.00
167.00	(24) attachments	1521.59	3287.27	0.00	0.00
170.00		71.05	231.06	0.00	0.00
175.00		115.56	375.36	0.00	0.00
177.00	(16) attachments	967.34	2185.53	0.00	0.00
180.00	(1) attachments	71.74	184.78	0.00	0.00

Total Applied Force Summary

Structure:	CT02218-S-SBA		**Code:**	EIA/TIA-222-G	4/27/2021
Site Name:	Colchester		**Exposure:**	C	
Height:	180.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	B - Competent Rock	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 38

Tower Engineering Solutions

Totals:	**8,975.28**	**46,370.06**	**0.00**	**0.00**

Calculated Forces

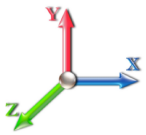
Structure:	CT02218-S-SBA	**Code:**	EIA/TIA-222-G	4/27/2021	
Site Name:	Colchester	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	B - Competent Rock		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 39	

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 24

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	-46.37	-8.99	0.00	-1102.4	0.00	1102.47	5508.12	2754.06	13547.4	6725.55	0.00	0.000	0.000	0.172
5.00	-44.75	-8.87	0.00	-1057.5	0.00	1057.51	5452.09	2726.05	13177.2	6541.73	0.02	-0.041	0.000	0.170
10.00	-43.16	-8.74	0.00	-1013.1	0.00	1013.17	5394.71	2697.35	12808.5	6358.68	0.09	-0.083	0.000	0.167
15.00	-41.60	-8.62	0.00	-969.45	0.00	969.45	5335.97	2667.98	12441.5	6176.49	0.20	-0.125	0.000	0.165
20.00	-40.06	-8.49	0.00	-926.34	0.00	926.34	5275.87	2637.93	12076.4	5995.24	0.35	-0.167	0.000	0.162
25.00	-38.54	-8.36	0.00	-883.87	0.00	883.87	5214.41	2607.20	11713.3	5815.02	0.55	-0.210	0.000	0.159
30.00	-37.05	-8.21	0.00	-842.09	0.00	842.09	5151.59	2575.80	11352.6	5635.92	0.79	-0.253	0.000	0.157
35.00	-35.58	-8.07	0.00	-801.02	0.00	801.02	5087.42	2543.71	10994.2	5458.02	1.08	-0.296	0.000	0.154
40.00	-34.14	-7.92	0.00	-760.68	0.00	760.68	5021.88	2510.94	10638.5	5281.41	1.41	-0.340	0.000	0.151
45.00	-32.73	-7.76	0.00	-721.09	0.00	721.09	4954.99	2477.50	10285.5	5106.18	1.79	-0.384	0.000	0.148
45.92	-32.47	-7.74	0.00	-713.98	0.00	713.98	4942.58	2471.29	10221.1	5074.21	1.87	-0.393	0.000	0.147
50.00	-30.49	-7.60	0.00	-682.39	0.00	682.39	4886.75	2443.37	9935.52	4932.41	2.22	-0.429	0.000	0.145
53.00	-29.06	-7.50	0.00	-659.59	0.00	659.59	3967.43	1983.71	8109.29	4025.79	2.50	-0.456	0.000	0.171
55.00	-28.58	-7.44	0.00	-644.60	0.00	644.60	3947.58	1973.79	8001.39	3972.23	2.69	-0.474	0.000	0.170
60.00	-27.38	-7.29	0.00	-607.38	0.00	607.38	3897.00	1948.50	7732.70	3838.84	3.22	-0.524	0.000	0.165
65.00	-26.20	-7.13	0.00	-570.95	0.00	570.95	3845.06	1922.53	7465.70	3706.29	3.79	-0.574	0.000	0.161
70.00	-25.05	-6.97	0.00	-535.32	0.00	535.32	3791.77	1895.89	7200.54	3574.65	4.42	-0.624	0.000	0.156
75.00	-23.91	-6.81	0.00	-500.48	0.00	500.48	3737.12	1868.56	6937.41	3444.02	5.10	-0.674	0.000	0.152
80.00	-22.80	-6.65	0.00	-466.43	0.00	466.43	3681.11	1840.56	6676.48	3314.49	5.83	-0.724	0.000	0.147
85.00	-21.71	-6.49	0.00	-433.19	0.00	433.19	3623.74	1811.87	6417.92	3186.13	6.62	-0.774	0.000	0.142
90.00	-20.64	-6.33	0.00	-400.75	0.00	400.75	3565.02	1782.51	6161.91	3059.03	7.46	-0.823	0.000	0.137
92.92	-20.02	-6.23	0.00	-382.30	0.00	382.30	3530.13	1765.07	6013.81	2985.51	7.97	-0.853	0.000	0.134
95.00	-19.29	-6.16	0.00	-369.32	0.00	369.32	3504.93	1752.47	5908.61	2933.28	8.35	-0.873	0.000	0.131
98.92	-17.94	-6.02	0.00	-345.18	0.00	345.18	2742.07	1371.04	4616.42	2291.78	9.08	-0.912	0.000	0.157
100.00	-17.74	-6.00	0.00	-338.65	0.00	338.65	2732.96	1366.48	4575.83	2271.63	9.29	-0.923	0.000	0.156
105.00	-16.86	-5.84	0.00	-308.67	0.00	308.67	2690.08	1345.04	4389.32	2179.04	10.28	-0.977	0.000	0.148
110.00	-15.99	-5.68	0.00	-279.48	0.00	279.48	2645.83	1322.92	4204.31	2087.20	11.34	-1.031	0.000	0.140
115.00	-15.13	-5.53	0.00	-251.06	0.00	251.06	2600.23	1300.12	4020.98	1996.19	12.44	-1.083	0.000	0.132
120.00	-14.30	-5.37	0.00	-223.42	0.00	223.42	2553.28	1276.64	3839.50	1906.09	13.61	-1.134	0.000	0.123
125.00	-13.49	-5.22	0.00	-196.55	0.00	196.55	2504.96	1252.48	3660.03	1816.99	14.82	-1.183	0.000	0.114
127.09	-13.15	-5.16	0.00	-185.66	0.00	185.66	2484.39	1242.20	3585.78	1780.13	15.34	-1.203	0.000	0.110
130.00	-12.44	-5.06	0.00	-170.64	0.00	170.64	2455.29	1227.64	3482.76	1728.99	16.08	-1.231	0.000	0.104
132.34	-11.89	-4.99	0.00	-158.81	0.00	158.81	1489.26	744.63	2121.49	1053.20	16.69	-1.252	0.000	0.159
135.00	-11.56	-4.91	0.00	-145.53	0.00	145.53	1477.63	738.82	2071.36	1028.31	17.40	-1.275	0.000	0.149
140.00	-10.96	-4.77	0.00	-120.97	0.00	120.97	1454.76	727.38	1977.27	981.60	18.76	-1.330	0.000	0.131
145.00	-10.37	-4.63	0.00	-97.13	0.00	97.13	1430.53	715.26	1883.34	934.97	20.18	-1.380	0.000	0.111
150.00	-9.79	-4.48	0.00	-74.00	0.00	74.00	1404.94	702.47	1789.74	888.50	21.65	-1.422	0.000	0.090
155.00	-9.23	-4.34	0.00	-51.58	0.00	51.58	1377.99	688.99	1696.65	842.29	23.16	-1.457	0.000	0.068
157.00	-6.95	-3.13	0.00	-42.89	0.00	42.89	1366.83	683.41	1659.60	823.90	23.78	-1.468	0.000	0.057
160.00	-6.66	-3.04	0.00	-33.52	0.00	33.52	1349.68	674.84	1604.25	796.42	24.70	-1.483	0.000	0.047
165.00	-6.19	-2.91	0.00	-18.29	0.00	18.29	1320.02	660.01	1512.71	750.97	26.27	-1.500	0.000	0.029
167.00	-2.94	-1.30	0.00	-12.47	0.00	12.47	1307.77	653.89	1476.37	732.93	26.90	-1.505	0.000	0.019
170.00	-2.71	-1.23	0.00	-8.56	0.00	8.56	1289.00	644.50	1422.20	706.04	27.84	-1.510	0.000	0.014
175.00	-2.34	-1.10	0.00	-2.43	0.00	2.43	1256.62	628.31	1332.89	661.70	29.43	-1.515	0.000	0.006
177.00	-0.18	-0.08	0.00	-0.23	0.00	0.23	1243.29	621.64	1297.54	644.16	30.06	-1.515	0.000	0.001
180.00	0.00	-0.07	0.00	0.00	0.00	0.00	1222.88	611.44	1244.96	618.05	31.01	-1.515	0.000	0.000

Final Analysis Summary

Structure:	CT02218-S-SBA	**Code:**	EIA/TIA-222-G	4/27/2021	
Site Name:	Colchester	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	B - Competent Rock		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 40	

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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 105 mph Wind	44.1	0.00	55.56	0.00	0.00	5430.63
0.9D + 1.6W 105 mph Wind	44.1	0.00	41.65	0.00	0.00	5370.75
1.2D + 1.0Di + 1.0Wi 50 mph Wind	10.1	0.00	80.33	0.00	0.00	1263.44
1.2D + 1.0E	1.3	0.00	55.64	0.00	0.00	159.70
0.9D + 1.0E	1.3	0.00	41.73	0.00	0.00	157.66
1.0D + 1.0W 60 mph Wind	9.0	0.00	46.37	0.00	0.00	1102.47

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 105 mph Wind	-55.56	-44.08	0.00	-5430.6	0.00	-5430.6	5508.12	2754.0	13547.4	6725.55	0.00	0.818
0.9D + 1.6W 105 mph Wind	-41.65	-44.05	0.00	-5370.7	0.00	-5370.7	5508.12	2754.0	13547.4	6725.55	0.00	0.806
1.2D + 1.0Di + 1.0Wi 50 mph Wind	-54.15	-8.59	0.00	-760.46	0.00	-760.46	3967.43	1983.7	8109.29	4025.79	53.00	0.203
1.2D + 1.0E	-14.39	-0.83	0.00	-30.89	0.00	-30.89	1489.26	744.63	2121.49	1053.20	132.34	0.039
0.9D + 1.0E	-10.79	-0.82	0.00	-30.41	0.00	-30.41	1489.26	744.63	2121.49	1053.20	132.34	0.036
1.0D + 1.0W 60 mph Wind	-46.37	-8.99	0.00	-1102.4	0.00	-1102.4	5508.12	2754.0	13547.4	6725.55	0.00	0.172

Base Plate Summary

Structure:	CT02218-S-SB	**Code:**	EIA/TIA-222-G	4/27/2021	
Site Name:	Colchester	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	B - Competent Rock		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 41	

Tower Engineering Solutions

Reactions

Original Design

Moment (kip-ft):	5045.00
Axial (kip):	56.10
Shear (kip):	39.50

Analysis (1.2D + 1.6W)

Moment (kip-ft):	5430.63
Axial (kip):	55.56
Shear (kip):	44.08

Base Plate

Yield (ksi):	60.00
Width (in):	74.62
Style:	Polygon
Polygon Sides:	16.00
Clip Length (in):	0.00
Effective Len (in):	13.76
Moment (kip-in):	835.94
Allow Stress (ksi):	81.00
Applied Stress (ksi):	48.60
Stress Ratio:	0.60

Anchor Bolts

Bolt Circle:	68.62
Number Bolts:	20.00
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):	193.95
Allowable (kip):	260.00
Ratio:	0.76

Tension

Force (kip):	185.92
Allowable (kip):	260.00
Ratio:	0.73

Tower Engineering Solutions, LLC

June 14, 2021

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

Re: Verizon Wireless antenna Model Clarification for CT Siting Council

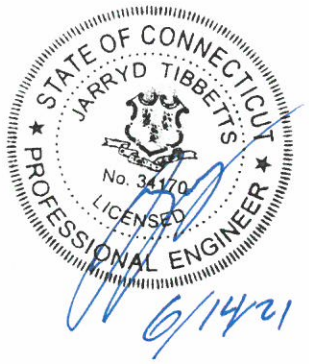
Dear Mr. Leone,

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

The antenna naming convention "Licensed Sub-6, L-Sub6, nL-Sub6, VZS01" and any other slight variants refer to the 64T64RMMU, Model Code: MT6407-77A manufactured by Samsung Electronics. These names are interchangeable and are used in various documents, including but not limited to the "Structural Analysis".

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

Sincerely,
Tower Engineering Solutions, LLC



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

Maser Consulting Connecticut
2000 Midlantic Drive, Suite 100
Mt. Laurel, NJ 08054
856.797.0412
peter.albano@colliersengineering.com

Antenna Mount Analysis Report and PMI Requirements

Mount Analysis

SMART Tool Project #: 10045205
Maser Consulting Connecticut Project #: 21777292A

May 13, 2021

Site Information	*Site ID:*	*469405-VZW / COLCHESTER 2 CT*
	Site Name:	*COLCHESTER 2 CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*45 Westchester Rd* *Colchester, Connecticut 06415* *New London County*
	Latitude:	*41.590161°*
	Longitude:	*-72.401467°*
Structure Information	*Tower Type:*	*Monopole*
	Mount Type:	*13.33-Ft Platform*

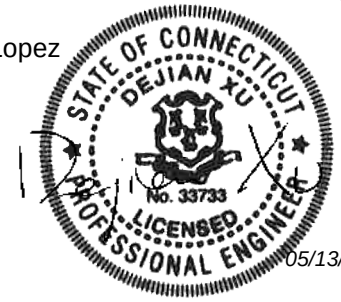
FUZE ID # 16272048

Analysis Results

Platform: **88.2% Pass**

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

Report Prepared By: Evelina Lopez



05/13/2021

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS Site ID: 323604, dated February 15, 2021*
Mount Mapping Report	*Roaming Networks Inc., Site ID: PSLC469405, dated February 18,2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	121 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:	0.987
Seismic Parameters:	S_S:	0.207
	S_1:	0.056
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
164.75	167.5	3	Samsung	MT6407-77A	Added
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		6	Andrew	SBNHH-1D65B	Retained
		6	Amphenol Antel	LPA-80080-4CF	
		1	Raycap	RRFDC-6627-PF-48*	

* Equipment is flush mounted directly to the Monopole. They are not mounted on Platform mount and is not included in this mount analysis.

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

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

Standard Conditions:

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

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

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

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

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

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

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

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

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

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
Standoff	*51.8%*	*Pass*
Corner Plate	*33.9%*	*Pass*
Face Horizontal	*42.9%*	*Pass*
Support Rail	*74.9%*	*Pass*
Top corner plate	*57.3%*	*Pass*
Mount Pipe	*68.2%*	*Pass*
Cross Arm	*83.3%*	*Pass*
Bent Plate	*33.0%*	*Pass*
Mount Connection	*88.2%*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**88.2%**

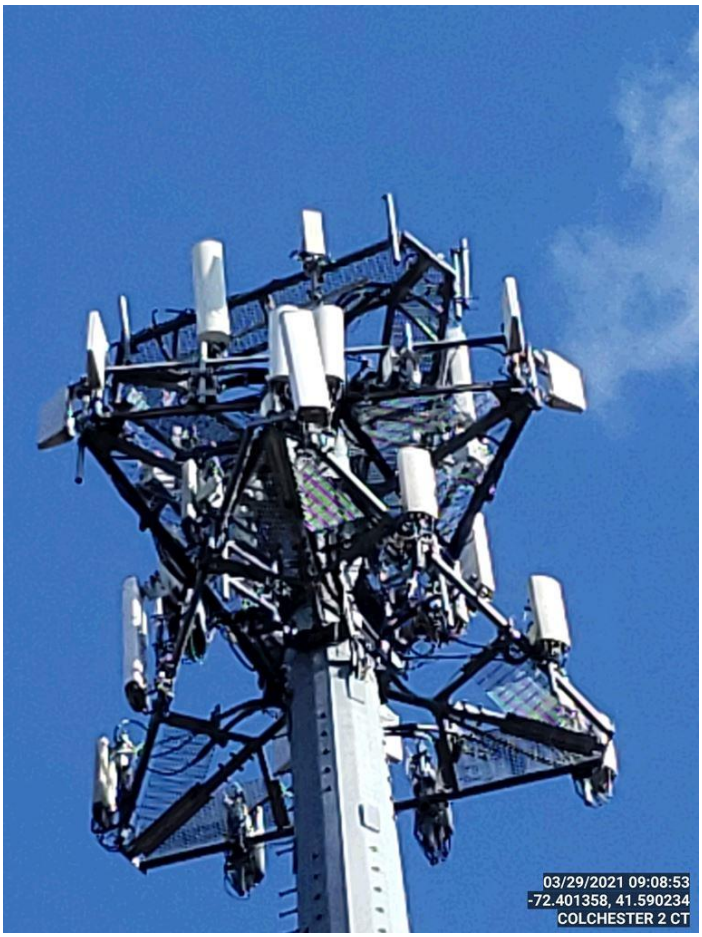
Recommendation:

The existing mount is **SUFFICIENT** for the final loading configuration and do not require modifications.

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

Attachments:

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


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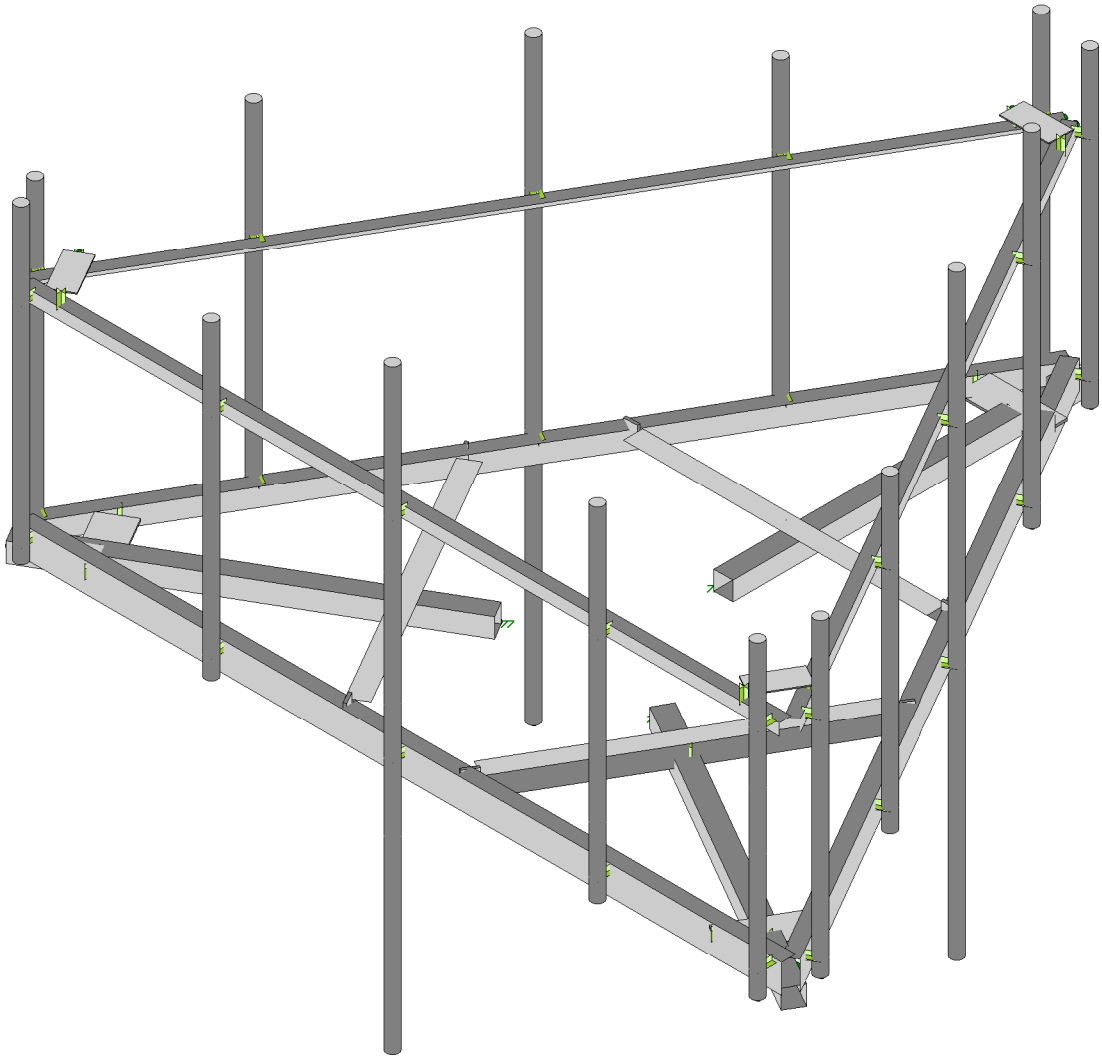
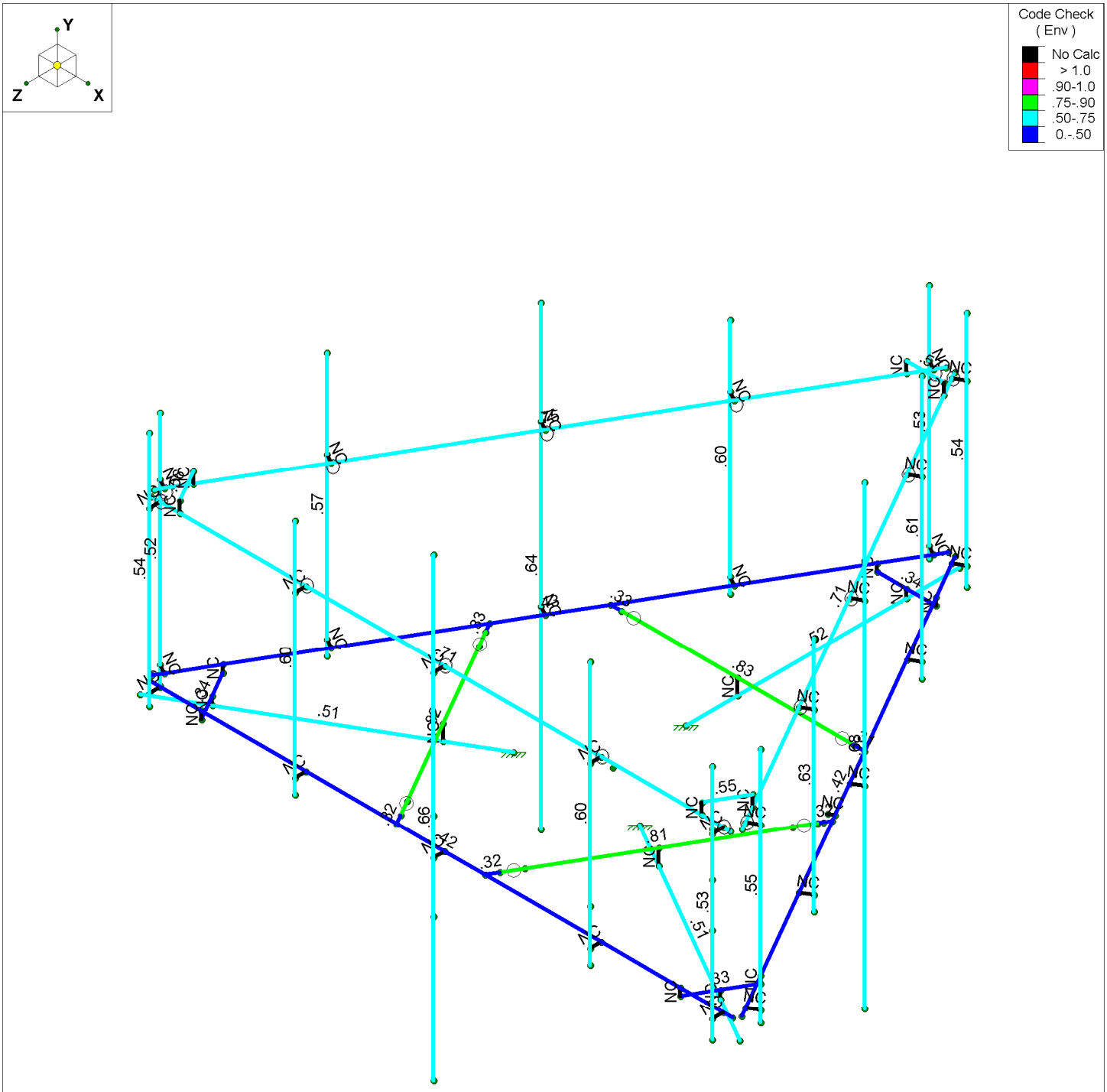
COLCHESTER 2 CT

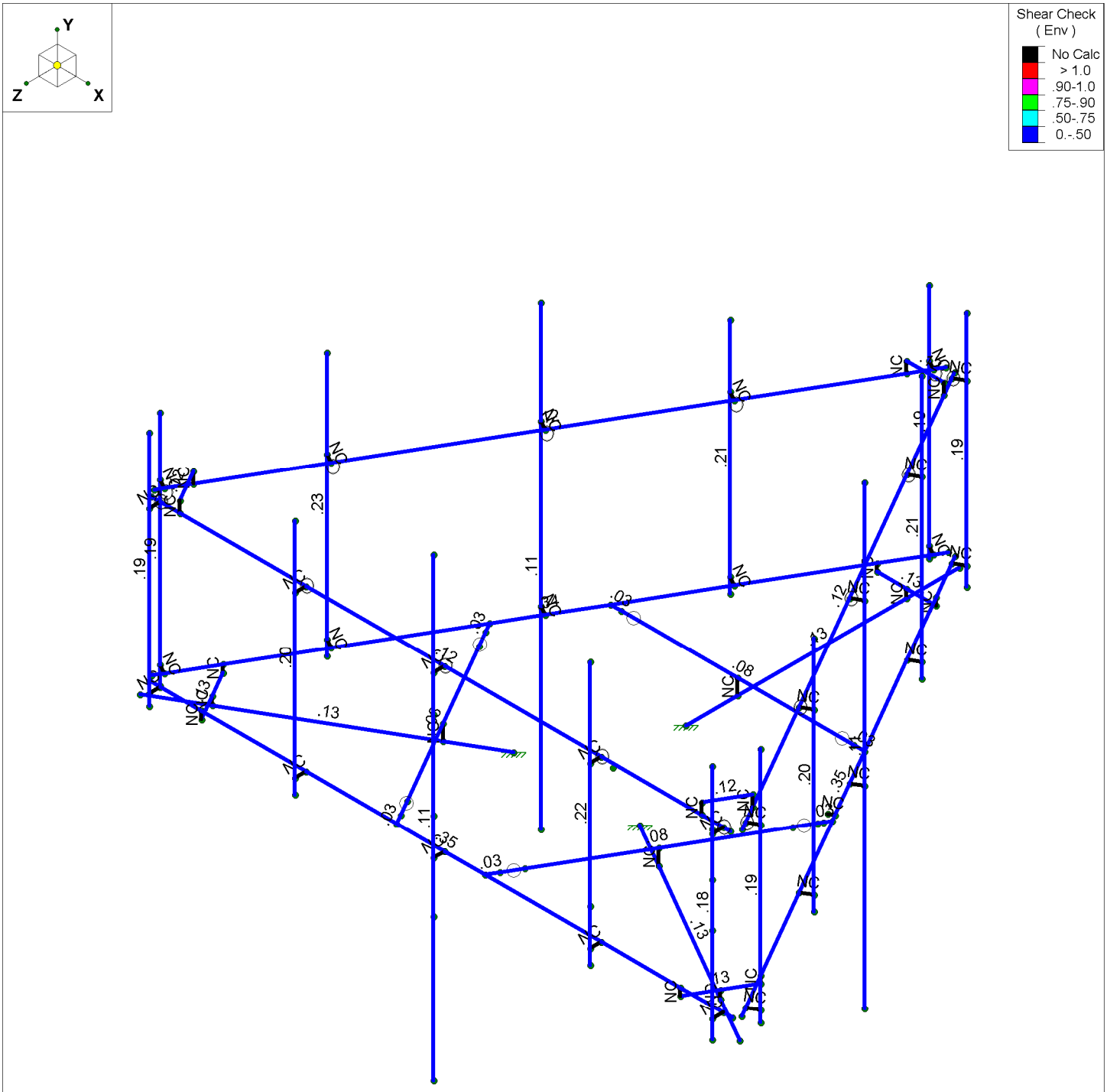


Maser Consulting	469405-VZW_MT_LO_H	SK - 1
		May 13, 2021 at 4:15 PM
Project No. 10045205		469405-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	469405-VZW_MT_LO_H	SK - 2
		May 13, 2021 at 4:16 PM
Project No. 10045205		469405-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	469405-VZW_MT_LO_H	SK - 3
		May 13, 2021 at 4:16 PM
Project No. 10045205		469405-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					108			
2	Antenna Di	None					108			
3	Antenna Wo (0 Deg)	None					108			
4	Antenna Wo (30 Deg)	None					108			
5	Antenna Wo (60 Deg)	None					108			
6	Antenna Wo (90 Deg)	None					108			
7	Antenna Wo (120 Deg)	None					108			
8	Antenna Wo (150 Deg)	None					108			
9	Antenna Wo (180 Deg)	None					108			
10	Antenna Wo (210 Deg)	None					108			
11	Antenna Wo (240 Deg)	None					108			
12	Antenna Wo (270 Deg)	None					108			
13	Antenna Wo (300 Deg)	None					108			
14	Antenna Wo (330 Deg)	None					108			
15	Antenna Wi (0 Deg)	None					108			
16	Antenna Wi (30 Deg)	None					108			
17	Antenna Wi (60 Deg)	None					108			
18	Antenna Wi (90 Deg)	None					108			
19	Antenna Wi (120 Deg)	None					108			
20	Antenna Wi (150 Deg)	None					108			
21	Antenna Wi (180 Deg)	None					108			
22	Antenna Wi (210 Deg)	None					108			
23	Antenna Wi (240 Deg)	None					108			
24	Antenna Wi (270 Deg)	None					108			
25	Antenna Wi (300 Deg)	None					108			
26	Antenna Wi (330 Deg)	None					108			
27	Antenna Wm (0 Deg)	None					108			
28	Antenna Wm (30 Deg)	None					108			
29	Antenna Wm (60 Deg)	None					108			
30	Antenna Wm (90 Deg)	None					108			
31	Antenna Wm (120 Deg)	None					108			
32	Antenna Wm (150 Deg)	None					108			
33	Antenna Wm (180 Deg)	None					108			
34	Antenna Wm (210 Deg)	None					108			
35	Antenna Wm (240 Deg)	None					108			
36	Antenna Wm (270 Deg)	None					108			
37	Antenna Wm (300 Deg)	None					108			
38	Antenna Wm (330 Deg)	None					108			
39	Structure D	None		-1					6	
40	Structure Di	None						39	6	
41	Structure Wo (0 Deg)	None						78		
42	Structure Wo (30 Deg)	None						78		
43	Structure Wo (60 Deg)	None						78		
44	Structure Wo (90 Deg)	None						78		
45	Structure Wo (120 D...	None						78		
46	Structure Wo (150 D...	None						78		
47	Structure Wo (180 D...	None						78		
48	Structure Wo (210 D...	None						78		
49	Structure Wo (240 D...	None						78		
50	Structure Wo (270 D...	None						78		
51	Structure Wo (300 D...	None						78		
52	Structure Wo (330 D...	None						78		
53	Structure Wi (0 Deg)	None						78		

Basic Load Cases (Continued)

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

Load Combinations

	Description	So...	PDelta	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
1	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	3	1	41	1												
2	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	4	1	42	1												
3	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	5	1	43	1												
4	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	6	1	44	1												
5	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	7	1	45	1												
6	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	8	1	46	1												
7	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	9	1	47	1												
8	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	10	1	48	1												
9	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	11	1	49	1												
10	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	12	1	50	1												
11	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	13	1	51	1												
12	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	14	1	52	1												
13	1.2D + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14	1.2D + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								

Load Combinations (Continued)

	Description	So...	PDelta	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
24	1.2D + 1....	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1....	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1....	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1....	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1....	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	Seismic ...		Y		1	1	39	1																
53	1.2D + 1....		Y		1	1.2	39	1.2	SX		SY	1	SZ	-1										
54	1.2D + 1....		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	-.866										
55	1.2D + 1....		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5										
56	1.2D + 1....		Y		1	1.2	39	1.2	SX	1	SY	1	SZ											
57	1.2D + 1....		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	.5										
58	1.2D + 1....		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	.866										
59	1.2D + 1....		Y		1	1.2	39	1.2	SX		SY	1	SZ	1										
60	1.2D + 1....		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	.866										
61	1.2D + 1....		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	.5										
62	1.2D + 1....		Y		1	1.2	39	1.2	SX	-1	SY	1	SZ											
63	1.2D + 1....		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	-.5										
64	1.2D + 1....		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	CP	0.	-0.416667	-0.	0	
2	N153A	0.	-0.416667	-1.666667	0	
3	N154A	0.	-0.416667	-7.916667	0	
4	N163	0.	-0.0625	-2.844998	0	
5	N164	0.	-0.416667	-2.844998	0	
6	N168A	0.	-0.229167	-6.710895	0	
7	N170A	0.	-0.416667	-6.710895	0	
8	N19A	0.673576	-0.0625	-6.710895	0	
9	N20A	0.673576	-0.229167	-6.710895	0	
10	N21A	-0.673575	-0.229167	-6.710895	0	
11	N22	-0.673575	-0.0625	-6.710895	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
12	N37	-6.666667	-0.0625	3.938781	0	
13	N50	6.666668	-0.0625	3.938781	0	
14	N25	-1.443375	-0.416667	0.833333	0	
15	N26	-6.856034	-0.416667	3.958333	0	
16	N33	-5.811806	-0.229167	3.355447	0	
17	N34	-5.811806	-0.416667	3.355447	0	
18	N35	-6.148593	-0.0625	2.772114	0	
19	N36	-6.148593	-0.229167	2.772114	0	
20	N37A	-5.475018	-0.229167	3.938781	0	
21	N38	-5.475018	-0.0625	3.938781	0	
22	N44	1.443376	-0.416667	0.833333	0	
23	N45	6.856035	-0.416667	3.958333	0	
24	N52	5.811806	-0.229167	3.355447	0	
25	N53	5.811806	-0.416667	3.355447	0	
26	N54	5.475019	-0.0625	3.938781	0	
27	N55	5.475019	-0.229167	3.938781	0	
28	N56	6.148594	-0.229167	2.772114	0	
29	N57	6.148594	-0.0625	2.772114	0	
30	N61A	6.744419	-0.0625	3.804112	0	
31	N62	0.077751	-0.0625	-7.742894	0	
32	N66	-0.077751	-0.0625	-7.742894	0	
33	N67	-6.744418	-0.0625	3.804113	0	
34	N68A	-6.625	3.604167	3.938781	0	
35	N69A	6.625001	3.604167	3.938781	0	
36	N78	5.968386	3.604167	3.938781	0	
37	N79	6.395278	3.604167	3.199383	0	
38	N80	5.968386	3.854167	3.938781	0	
39	N81	6.395278	3.854167	3.199383	0	
40	N60	0.426892	3.604167	-7.138164	0	
41	N61	-0.426892	3.604167	-7.138165	0	
42	N62A	0.426892	3.854167	-7.138164	0	
43	N63	-0.426891	3.854167	-7.138165	0	
44	N67A	-6.395277	3.604167	3.199383	0	
45	N68	-5.968386	3.604167	3.938781	0	
46	N69	-6.395277	3.854167	3.199383	0	
47	N70	-5.968386	3.854167	3.938781	0	
48	N68B	6.458335	3.604167	3.938781	0	
49	N67B	6.723586	3.604167	3.768028	0	
50	N68C	0.098584	3.604167	-7.70681	0	
51	N70A	-0.098584	3.604167	-7.70681	0	
52	N71	-6.723585	3.604167	3.768029	0	
53	N70B	6.458335	-0.0625	3.938781	0	
54	N70C	3.666668	-0.0625	3.938781	0	
55	N72	0.083335	-0.0625	3.938781	0	
56	N74	-3.083332	-0.0625	3.938781	0	
57	N76	-6.416665	-0.0625	3.938781	0	
58	N78A	6.458335	3.604167	4.188781	0	
59	N79A	6.458335	-0.0625	4.188781	0	
60	N80A	3.666668	-0.0625	4.188781	0	
61	N82	0.083335	-0.0625	4.188781	0	
62	N84	-3.083332	-0.0625	4.188781	0	
63	N86	-6.416665	-0.0625	4.188781	0	
64	N88	6.458335	4.9375	4.188781	0	
65	N89	6.458335	-0.479167	4.188781	0	
66	N90	3.666668	5.604167	4.188781	0	
67	N91	3.666668	-0.395833	4.188781	0	
68	N92	0.083335	5.9375	4.188781	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
69	N93	0.083335	-4.479167	4.188781	0	
70	N94	-3.083332	5.020833	4.188781	0	
71	N95	-3.083332	-0.395833	4.188781	0	
72	N96	-6.416665	5.104167	4.188781	0	
73	N97	-6.416665	-0.3125	4.188781	0	
74	N99	0.181918	3.604167	-7.562472	0	
75	N100	0.181918	-0.0625	-7.562472	0	
76	N101	1.577751	-0.0625	-5.144818	0	
77	N103	3.369418	-0.0625	-2.04156	0	
78	N105	4.952751	-0.0625	0.700853	0	
79	N107	6.619418	-0.0625	3.587604	0	
80	N109	0.398424	3.604167	-7.687472	0	
81	N110	0.398424	-0.0625	-7.687472	0	
82	N111	1.794257	-0.0625	-5.269818	0	
83	N113	3.585924	-0.0625	-2.16656	0	
84	N115	5.169257	-0.0625	0.575853	0	
85	N117	6.835924	-0.0625	3.462605	0	
86	N119	0.398424	4.9375	-7.687472	0	
87	N120	0.398424	-0.479167	-7.687472	0	
88	N121	1.794257	5.604167	-5.269818	0	
89	N122	1.794257	-0.395833	-5.269818	0	
90	N123	3.585924	5.9375	-2.16656	0	
91	N124	3.585924	-4.479167	-2.16656	0	
92	N125	5.169257	5.020833	0.575853	0	
93	N126	5.169257	-0.395833	0.575853	0	
94	N127	6.835924	5.104167	3.462605	0	
95	N128	6.835924	-0.3125	3.462605	0	
96	N130	-6.640251	3.604167	3.623691	0	
97	N131	-6.640251	-0.0625	3.623691	0	
98	N132	-5.244418	-0.0625	1.206037	0	
99	N134	-3.452752	-0.0625	-1.897221	0	
100	N136	-1.869418	-0.0625	-4.639635	0	
101	N138	-0.202752	-0.0625	-7.526386	0	
102	N140	-6.856758	3.604167	3.498691	0	
103	N141	-6.856758	-0.0625	3.498691	0	
104	N142	-5.460924	-0.0625	1.081037	0	
105	N144	-3.669258	-0.0625	-2.022221	0	
106	N146	-2.085924	-0.0625	-4.764635	0	
107	N148	-0.419258	-0.0625	-7.651386	0	
108	N150	-6.856758	4.9375	3.498691	0	
109	N151	-6.856758	-0.479167	3.498691	0	
110	N152	-5.460924	5.604167	1.081037	0	
111	N153	-5.460924	-0.395833	1.081037	0	
112	N154	-3.669258	5.9375	-2.022221	0	
113	N155	-3.669258	-4.479167	-2.022221	0	
114	N156	-2.085924	5.020833	-4.764635	0	
115	N157	-2.085924	-0.395833	-4.764635	0	
116	N158A	-0.419258	5.104167	-7.651386	0	
117	N159	-0.419258	-0.3125	-7.651386	0	
118	N158B	-3.083332	3.604167	3.938781	0	
119	N159A	-3.083332	3.604167	4.188781	0	
120	N136A	-6.416665	3.604167	3.938781	0	
121	N137	-6.416665	3.604167	4.188781	0	
122	N138A	0.083335	3.604167	3.938781	0	
123	N139	0.083335	3.604167	4.188781	0	
124	N140A	3.666668	3.604167	3.938781	0	
125	N141A	3.666668	3.604167	4.188781	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
126	N143	4.952751	3.604167	0.700853	0	
127	N144A	5.169257	3.604167	0.575853	0	
128	N145	6.619418	3.604167	3.587604	0	
129	N146A	6.835924	3.604167	3.462605	0	
130	N147	3.369418	3.604167	-2.04156	0	
131	N148A	3.585924	3.604167	-2.16656	0	
132	N149	1.577751	3.604167	-5.144818	0	
133	N150A	1.794257	3.604167	-5.269818	0	
134	N152A	-1.869418	3.604167	-4.639635	0	
135	N153B	-2.085924	3.604167	-4.764635	0	
136	N154B	-0.202752	3.604167	-7.526386	0	
137	N155A	-0.419258	3.604167	-7.651386	0	
138	N156A	-3.452752	3.604167	-1.897221	0	
139	N157A	-3.669258	3.604167	-2.022221	0	
140	N158C	-5.244418	3.604167	1.206037	0	
141	N159B	-5.460924	3.604167	1.081037	0	
142	N159C	6.458335	2.6875	4.188781	0	
143	N160	6.458335	3.6875	4.188781	0	
144	N161	6.458335	1.6875	4.188781	0	
145	N162B	0.083335	0.770833	4.188781	0	
146	N163A	0.083335	2.770833	4.188781	0	
147	N164A	0.083335	-1.229167	4.188781	0	
148	N165	3.666668	0.770833	4.188781	0	
149	N169	3.827752	-0.0625	-1.247702	0	
150	N170	3.719499	-0.0625	-1.185203	0	
151	N171	3.844499	-0.0625	-0.968696	0	
152	N174A	-2.905552	-0.0625	-2.844998	0	
153	N175A	2.905553	-0.0625	-2.844998	0	
154	N170B	-2.655886	-0.0625	-2.844998	0	
155	N170C	2.655614	-0.0625	-2.844998	0	
156	N159D	-1.011063	-0.0625	3.938781	0	
157	N160A	-3.916616	-0.0625	-1.093784	0	
158	N161A	-1.344397	-0.0625	3.361431	0	
159	N162	-3.583147	-0.0625	-0.516198	0	
160	N166	3.916617	-0.0625	-1.093784	0	
161	N167	1.011064	-0.0625	3.938781	0	
162	N168	3.583284	-0.0625	-0.516434	0	
163	N169A	1.344534	-0.0625	3.361195	0	
164	N165A	-2.46384	-0.0625	1.422499	0	
165	N166A	-2.46384	-0.416667	1.422499	0	
166	N168B	2.463841	-0.0625	1.422499	0	
167	N169B	2.463841	-0.416667	1.422499	0	
168	N169C	-1.135897	-0.0625	3.722563	0	
169	N170D	-3.791647	-0.0625	-0.87733	0	
170	N172	3.791784	-0.0625	-0.877566	0	
171	N173	1.136034	-0.0625	3.722328	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	TES Plate	PL1/2x9	Beam	RECT	A36 Gr.36	Typical	4.5	.094	30.375	.362
2	Mount Pipe	PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
3	Support Rail	L2.5x2.5x4	Beam	Single Angle	A36 Gr.36	Typical	1.19	.692	.692	.026
4	Top corner plate	PL1/4x5	Beam	RECT	A36 Gr.36	Typical	1.25	.007	2.604	.025
5	Bent Plate	PL5/8x4_...	Beam	RECT	A36 Gr.36	Typical	3.75	.122	11.25	.456
6	Standoff	HSS4X4X3	Beam	SquareTube	A500 Gr.B R...	Typical	2.58	6.21	6.21	10

Hot Rolled Steel Section Sets (Continued)

	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
7	Cross Arm	L4X4X4	Beam	Single Angle	A36 Gr.36	Typical	1.93	3	3	.044
8	Face Horizontal	L6x3x5	Beam	Single Angle	A36 Gr.36	Typical	2.715	1.826	10.323	.084
9	TES Face	L6X4X5	Beam	Single Angle	A36 Gr.36	Typical	3.03	4.13	11.4	.104
10	Corner Plate	PL1/2X7_...	Beam	RECT	A36 Gr.36	Typical	3	.063	9	.237

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Shape	Type	Design List	Material	Design Rul...
1	M76	N153A	N154A			Standoff	Beam	SquareTube	A500 Gr...	Typical
2	M80	N164	N163			RIGID	None	None	RIGID	Typical
3	M83	N170A	N168A			RIGID	None	None	RIGID	Typical
4	M84	N21A	N20A		90	Corner Plate	Beam	RECT	A36 Gr.36	Typical
5	M12	N21A	N22			RIGID	None	None	RIGID	Typical
6	M12A	N20A	N19A			RIGID	None	None	RIGID	Typical
7	M28A	N37	N50		180	Face Horizontal	Beam	Single Angle	A36 Gr.36	Typical
8	M15	N25	N26			Standoff	Beam	SquareTube	A500 Gr...	Typical
9	M20	N34	N33			RIGID	None	None	RIGID	Typical
10	M21	N37A	N36		90	Corner Plate	Beam	RECT	A36 Gr.36	Typical
11	M22	N37A	N38			RIGID	None	None	RIGID	Typical
12	M23	N36	N35			RIGID	None	None	RIGID	Typical
13	M27	N44	N45			Standoff	Beam	SquareTube	A500 Gr...	Typical
14	M32	N53	N52			RIGID	None	None	RIGID	Typical
15	M33	N56	N55		90	Corner Plate	Beam	RECT	A36 Gr.36	Typical
16	M34	N56	N57			RIGID	None	None	RIGID	Typical
17	M35	N55	N54			RIGID	None	None	RIGID	Typical
18	M39	N61A	N62		180	Face Horizontal	Beam	Single Angle	A36 Gr.36	Typical
19	M41	N66	N67		180	Face Horizontal	Beam	Single Angle	A36 Gr.36	Typical
20	M43	N68A	N69A		180	Support Rail	Beam	Single Angle	A36 Gr.36	Typical
21	M50	N80	N81		90	Top corner plate	Beam	RECT	A36 Gr.36	Typical
22	M51	N78	N80			RIGID	None	None	RIGID	Typical
23	M52	N79	N81			RIGID	None	None	RIGID	Typical
24	M36	N62A	N63		90	Top corner plate	Beam	RECT	A36 Gr.36	Typical
25	M37	N60	N62A			RIGID	None	None	RIGID	Typical
26	M38	N61	N63			RIGID	None	None	RIGID	Typical
27	M40	N69	N70		90	Top corner plate	Beam	RECT	A36 Gr.36	Typical
28	M41A	N67A	N69			RIGID	None	None	RIGID	Typical
29	M42	N68	N70			RIGID	None	None	RIGID	Typical
30	M41B	N67B	N68C		180	Support Rail	Beam	Single Angle	A36 Gr.36	Typical
31	M42A	N70A	N71		180	Support Rail	Beam	Single Angle	A36 Gr.36	Typical
32	M44	N86	N76			RIGID	None	None	RIGID	Typical
33	M45	N84	N74			RIGID	None	None	RIGID	Typical
34	M48	N82	N72			RIGID	None	None	RIGID	Typical
35	M49	N80A	N70C			RIGID	None	None	RIGID	Typical
36	M51A	N79A	N70B			RIGID	None	None	RIGID	Typical
37	M52A	N78A	N68B			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Shape	Type	Design List	Material	Design Rul...
38	MP5A	N96	N97			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
39	MP4A	N94	N95			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
40	MP3A	N92	N93			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
41	MP2A	N90	N91			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
42	MP1A	N88	N89			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
43	M59	N117	N107			RIGID	None	None	RIGID	Typical
44	M60	N115	N105			RIGID	None	None	RIGID	Typical
45	M63	N113	N103			RIGID	None	None	RIGID	Typical
46	M64	N111	N101			RIGID	None	None	RIGID	Typical
47	M66	N110	N100			RIGID	None	None	RIGID	Typical
48	M67	N109	N99			RIGID	None	None	RIGID	Typical
49	MP5C	N127	N128			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
50	MP4C	N125	N126			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
51	MP3C	N123	N124			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
52	MP2C	N121	N122			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
53	MP1C	N119	N120			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
54	M74	N148	N138			RIGID	None	None	RIGID	Typical
55	M75	N146	N136			RIGID	None	None	RIGID	Typical
56	M78A	N144	N134			RIGID	None	None	RIGID	Typical
57	M79A	N142	N132			RIGID	None	None	RIGID	Typical
58	M81	N141	N131			RIGID	None	None	RIGID	Typical
59	M82	N140	N130			RIGID	None	None	RIGID	Typical
60	MP5B	N158A	N159			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
61	MP4B	N156	N157			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
62	MP3B	N154	N155			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
63	MP2B	N152	N153			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
64	MP1B	N150	N151			Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
65	M88	N159A	N158B			RIGID	None	None	RIGID	Typical
66	M77A	N137	N136A			RIGID	None	None	RIGID	Typical
67	M78B	N139	N138A			RIGID	None	None	RIGID	Typical
68	M79B	N141A	N140A			RIGID	None	None	RIGID	Typical
69	M80A	N144A	N143			RIGID	None	None	RIGID	Typical
70	M81A	N146A	N145			RIGID	None	None	RIGID	Typical
71	M82A	N148A	N147			RIGID	None	None	RIGID	Typical
72	M83B	N150A	N149			RIGID	None	None	RIGID	Typical
73	M84B	N153B	N152A			RIGID	None	None	RIGID	Typical
74	M85A	N155A	N154B			RIGID	None	None	RIGID	Typical
75	M86A	N157A	N156A			RIGID	None	None	RIGID	Typical
76	M87A	N159B	N158C			RIGID	None	None	RIGID	Typical
77	M89	N169	N170			RIGID	None	None	RIGID	Typical
78	M91	N170B	N170C		90	Cross Arm	Beam	Single Angle	A36 Gr.36	Typical
79	M88B	N174A	N170B			Bent Plate	Beam	RECT	A36 Gr.36	Typical
80	M89A	N170C	N175A			Bent Plate	Beam	RECT	A36 Gr.36	Typical
81	M82B	N169C	N170D		90	Cross Arm	Beam	Single Angle	A36 Gr.36	Typical
82	M83A	N159D	N169C			Bent Plate	Beam	RECT	A36 Gr.36	Typical
83	M84A	N170D	N160A			Bent Plate	Beam	RECT	A36 Gr.36	Typical
84	M86	N172	N173		90	Cross Arm	Beam	Single Angle	A36 Gr.36	Typical
85	M87	N166	N172			Bent Plate	Beam	RECT	A36 Gr.36	Typical
86	M88A	N173	N167			Bent Plate	Beam	RECT	A36 Gr.36	Typical
87	M87B	N166A	N165A			RIGID	None	None	RIGID	Typical
88	M88C	N169B	N168B			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	M76						Yes				None
2	M80						Yes	** NA **			None
3	M83						Yes	** NA **			None
4	M84						Yes				None
5	M12						Yes	** NA **			None
6	M12A						Yes	** NA **			None
7	M28A						Yes				None
8	M15						Yes				None
9	M20						Yes	** NA **			None
10	M21						Yes				None
11	M22						Yes	** NA **			None
12	M23						Yes	** NA **			None
13	M27						Yes				None
14	M32						Yes	** NA **			None
15	M33						Yes				None
16	M34						Yes	** NA **			None
17	M35						Yes	** NA **			None
18	M39						Yes				None
19	M41						Yes	Default			None
20	M43						Yes	Default			None
21	M50						Yes	Default			None
22	M51						Yes	** NA **			None
23	M52						Yes	** NA **			None
24	M36						Yes	Default			None
25	M37						Yes	** NA **			None
26	M38						Yes	** NA **			None
27	M40						Yes	Default			None
28	M41A						Yes	** NA **			None
29	M42						Yes	** NA **			None
30	M41B						Yes	Default			None
31	M42A						Yes	Default			None
32	M44						Yes	** NA **			None
33	M45						Yes	** NA **			None
34	M48						Yes	** NA **			None
35	M49						Yes	** NA **			None
36	M51A						Yes	** NA **			None
37	M52A	OOOXOX					Yes	** NA **			None
38	MP5A						Yes				None
39	MP4A						Yes				None
40	MP3A						Yes				None
41	MP2A						Yes				None
42	MP1A						Yes				None
43	M59						Yes	** NA **			None
44	M60						Yes	** NA **			None
45	M63						Yes	** NA **			None
46	M64						Yes	** NA **			None
47	M66						Yes	** NA **			None
48	M67	OOOXOX					Yes	** NA **			None
49	MP5C						Yes				None
50	MP4C						Yes				None
51	MP3C						Yes				None
52	MP2C						Yes				None
53	MP1C						Yes				None
54	M74						Yes	** NA **			None
55	M75						Yes	** NA **			None
56	M78A						Yes	** NA **			None
57	M79A						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...
58	M81						Yes	** NA **			None
59	M82	OOOXOX					Yes	** NA **			None
60	MP5B						Yes				None
61	MP4B						Yes				None
62	MP3B						Yes				None
63	MP2B						Yes				None
64	MP1B						Yes				None
65	M88	OOOXOX					Yes	** NA **			None
66	M77A	OOOXOX					Yes	** NA **			None
67	M78B	OOOXOX					Yes	** NA **			None
68	M79B	OOOXOX					Yes	** NA **			None
69	M80A	OOOXOX					Yes	** NA **			None
70	M81A	OOOXOX					Yes	** NA **			None
71	M82A	OOOXOX					Yes	** NA **			None
72	M83B	OOOXOX					Yes	** NA **			None
73	M84B	OOOXOX					Yes	** NA **			None
74	M85A	OOOXOX					Yes	** NA **			None
75	M86A	OOOXOX					Yes	** NA **			None
76	M87A	OOOXOX					Yes	** NA **			None
77	M89						Yes	** NA **			None
78	M91	OOOOOX	OOOOOX				Yes	Default			None
79	M88B						Yes	Default			None
80	M89A						Yes	Default			None
81	M82B	OOOOOX	OOOOOX				Yes	Default			None
82	M83A						Yes	Default			None
83	M84A						Yes	Default			None
84	M86	OOOOOX	OOOOOX				Yes	Default			None
85	M87						Yes	Default			None
86	M88A						Yes	Default			None
87	M87B						Yes	** NA **			None
88	M88C						Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	Y	-43.55	1.25
2	MP4A	My	-.033	1.25
3	MP4A	Mz	0	1.25
4	MP4A	Y	-43.55	3.25
5	MP4A	My	-.033	3.25
6	MP4A	Mz	0	3.25
7	MP4B	Y	-43.55	1.25
8	MP4B	My	.019	1.25
9	MP4B	Mz	-.027	1.25
10	MP4B	Y	-43.55	3.25
11	MP4B	My	.019	3.25
12	MP4B	Mz	-.027	3.25
13	MP4C	Y	-43.55	1.25
14	MP4C	My	.014	1.25
15	MP4C	Mz	.03	1.25
16	MP4C	Y	-43.55	3.25
17	MP4C	My	.014	3.25
18	MP4C	Mz	.03	3.25
19	MP3A	Y	-84.4	5.17
20	MP3A	My	.024	5.17
21	MP3A	Mz	-.035	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP3B	Y	-84.4	5.17
23	MP3B	My	.024	5.17
24	MP3B	Mz	-.035	5.17
25	MP3C	Y	-84.4	5.17
26	MP3C	My	.024	5.17
27	MP3C	Mz	-.035	5.17
28	MP2A	Y	-70.3	4.83
29	MP2A	My	.02	4.83
30	MP2A	Mz	-.029	4.83
31	MP2B	Y	-70.3	4.83
32	MP2B	My	.02	4.83
33	MP2B	Mz	-.029	4.83
34	MP2C	Y	-70.3	4.83
35	MP2C	My	.02	4.83
36	MP2C	Mz	-.029	4.83
37	MP3A	Y	-20	2.17
38	MP3A	My	-.015	2.17
39	MP3A	Mz	.013	2.17
40	MP3A	Y	-20	6.17
41	MP3A	My	-.015	6.17
42	MP3A	Mz	.013	6.17
43	MP3B	Y	-20	2.17
44	MP3B	My	-.002	2.17
45	MP3B	Mz	-.02	2.17
46	MP3B	Y	-20	6.17
47	MP3B	My	-.002	6.17
48	MP3B	Mz	-.02	6.17
49	MP3C	Y	-20	2.17
50	MP3C	My	.018	2.17
51	MP3C	Mz	.008	2.17
52	MP3C	Y	-20	6.17
53	MP3C	My	.018	6.17
54	MP3C	Mz	.008	6.17
55	MP3A	Y	-20	2.17
56	MP3A	My	-.015	2.17
57	MP3A	Mz	-.013	2.17
58	MP3A	Y	-20	6.17
59	MP3A	My	-.015	6.17
60	MP3A	Mz	-.013	6.17
61	MP3B	Y	-20	2.17
62	MP3B	My	.02	2.17
63	MP3B	Mz	-.005	2.17
64	MP3B	Y	-20	6.17
65	MP3B	My	.02	6.17
66	MP3B	Mz	-.005	6.17
67	MP3C	Y	-20	2.17
68	MP3C	My	-.006	2.17
69	MP3C	Mz	.019	2.17
70	MP3C	Y	-20	6.17
71	MP3C	My	-.006	6.17
72	MP3C	Mz	.019	6.17
73	MP1A	Y	-6	1.25
74	MP1A	My	-.004	1.25
75	MP1A	Mz	-.000392	1.25
76	MP1A	Y	-6	3.25
77	MP1A	My	-.004	3.25
78	MP1A	Mz	-.000392	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
79	MP1B	Y	-6	1.25
80	MP1B	My	.003	1.25
81	MP1B	Mz	-.004	1.25
82	MP1B	Y	-6	3.25
83	MP1B	My	.003	3.25
84	MP1B	Mz	-.004	3.25
85	MP1C	Y	-6	1.25
86	MP1C	My	.002	1.25
87	MP1C	Mz	.004	1.25
88	MP1C	Y	-6	3.25
89	MP1C	My	.002	3.25
90	MP1C	Mz	.004	3.25
91	MP5A	Y	-6	1.25
92	MP5A	My	-.004	1.25
93	MP5A	Mz	-.000392	1.25
94	MP5A	Y	-6	3.25
95	MP5A	My	-.004	3.25
96	MP5A	Mz	-.000392	3.25
97	MP5B	Y	-6	1.25
98	MP5B	My	.003	1.25
99	MP5B	Mz	-.004	1.25
100	MP5B	Y	-6	3.25
101	MP5B	My	.003	3.25
102	MP5B	Mz	-.004	3.25
103	MP5C	Y	-6	1.25
104	MP5C	My	.002	1.25
105	MP5C	Mz	.004	1.25
106	MP5C	Y	-6	3.25
107	MP5C	My	.002	3.25
108	MP5C	Mz	.004	3.25

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	Y	-36.385	1.25
2	MP4A	My	-.027	1.25
3	MP4A	Mz	0	1.25
4	MP4A	Y	-36.385	3.25
5	MP4A	My	-.027	3.25
6	MP4A	Mz	0	3.25
7	MP4B	Y	-36.385	1.25
8	MP4B	My	.016	1.25
9	MP4B	Mz	-.022	1.25
10	MP4B	Y	-36.385	3.25
11	MP4B	My	.016	3.25
12	MP4B	Mz	-.022	3.25
13	MP4C	Y	-36.385	1.25
14	MP4C	My	.012	1.25
15	MP4C	Mz	.025	1.25
16	MP4C	Y	-36.385	3.25
17	MP4C	My	.012	3.25
18	MP4C	Mz	.025	3.25
19	MP3A	Y	-45.887	5.17
20	MP3A	My	.013	5.17
21	MP3A	Mz	-.019	5.17
22	MP3B	Y	-45.887	5.17
23	MP3B	My	.013	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP3B	Mz	-.019	5.17
25	MP3C	Y	-45.887	5.17
26	MP3C	My	.013	5.17
27	MP3C	Mz	-.019	5.17
28	MP2A	Y	-41.273	4.83
29	MP2A	My	.012	4.83
30	MP2A	Mz	-.017	4.83
31	MP2B	Y	-41.273	4.83
32	MP2B	My	.012	4.83
33	MP2B	Mz	-.017	4.83
34	MP2C	Y	-41.273	4.83
35	MP2C	My	.012	4.83
36	MP2C	Mz	-.017	4.83
37	MP3A	Y	-62.372	2.17
38	MP3A	My	-.047	2.17
39	MP3A	Mz	.042	2.17
40	MP3A	Y	-62.372	6.17
41	MP3A	My	-.047	6.17
42	MP3A	Mz	.042	6.17
43	MP3B	Y	-62.372	2.17
44	MP3B	My	-.007	2.17
45	MP3B	Mz	-.062	2.17
46	MP3B	Y	-62.372	6.17
47	MP3B	My	-.007	6.17
48	MP3B	Mz	-.062	6.17
49	MP3C	Y	-62.372	2.17
50	MP3C	My	.057	2.17
51	MP3C	Mz	.025	2.17
52	MP3C	Y	-62.372	6.17
53	MP3C	My	.057	6.17
54	MP3C	Mz	.025	6.17
55	MP3A	Y	-62.372	2.17
56	MP3A	My	-.047	2.17
57	MP3A	Mz	-.042	2.17
58	MP3A	Y	-62.372	6.17
59	MP3A	My	-.047	6.17
60	MP3A	Mz	-.042	6.17
61	MP3B	Y	-62.372	2.17
62	MP3B	My	.061	2.17
63	MP3B	Mz	-.014	2.17
64	MP3B	Y	-62.372	6.17
65	MP3B	My	.061	6.17
66	MP3B	Mz	-.014	6.17
67	MP3C	Y	-62.372	2.17
68	MP3C	My	-.018	2.17
69	MP3C	Mz	.06	2.17
70	MP3C	Y	-62.372	6.17
71	MP3C	My	-.018	6.17
72	MP3C	Mz	.06	6.17
73	MP1A	Y	-41.17	1.25
74	MP1A	My	-.031	1.25
75	MP1A	Mz	-.003	1.25
76	MP1A	Y	-41.17	3.25
77	MP1A	My	-.031	3.25
78	MP1A	Mz	-.003	3.25
79	MP1B	Y	-41.17	1.25
80	MP1B	My	.018	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP1B	Mz	-.025	1.25
82	MP1B	Y	-41.17	3.25
83	MP1B	My	.018	3.25
84	MP1B	Mz	-.025	3.25
85	MP1C	Y	-41.17	1.25
86	MP1C	My	.013	1.25
87	MP1C	Mz	.028	1.25
88	MP1C	Y	-41.17	3.25
89	MP1C	My	.013	3.25
90	MP1C	Mz	.028	3.25
91	MP5A	Y	-41.17	1.25
92	MP5A	My	-.031	1.25
93	MP5A	Mz	-.003	1.25
94	MP5A	Y	-41.17	3.25
95	MP5A	My	-.031	3.25
96	MP5A	Mz	-.003	3.25
97	MP5B	Y	-41.17	1.25
98	MP5B	My	.018	1.25
99	MP5B	Mz	-.025	1.25
100	MP5B	Y	-41.17	3.25
101	MP5B	My	.018	3.25
102	MP5B	Mz	-.025	3.25
103	MP5C	Y	-41.17	1.25
104	MP5C	My	.013	1.25
105	MP5C	Mz	.028	1.25
106	MP5C	Y	-41.17	3.25
107	MP5C	My	.013	3.25
108	MP5C	Mz	.028	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	1.25
2	MP4A	Z	-85.079	1.25
3	MP4A	Mx	0	1.25
4	MP4A	X	0	3.25
5	MP4A	Z	-85.079	3.25
6	MP4A	Mx	0	3.25
7	MP4B	X	0	1.25
8	MP4B	Z	-50.34	1.25
9	MP4B	Mx	.031	1.25
10	MP4B	X	0	3.25
11	MP4B	Z	-50.34	3.25
12	MP4B	Mx	.031	3.25
13	MP4C	X	0	1.25
14	MP4C	Z	-42.555	1.25
15	MP4C	Mx	-.029	1.25
16	MP4C	X	0	3.25
17	MP4C	Z	-42.555	3.25
18	MP4C	Mx	-.029	3.25
19	MP3A	X	0	5.17
20	MP3A	Z	-52.64	5.17
21	MP3A	Mx	.022	5.17
22	MP3B	X	0	5.17
23	MP3B	Z	-52.64	5.17
24	MP3B	Mx	.022	5.17
25	MP3C	X	0	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
26	MP3C	Z	-52.64	5.17
27	MP3C	Mx	.022	5.17
28	MP2A	X	0	4.83
29	MP2A	Z	-46.87	4.83
30	MP2A	Mx	.019	4.83
31	MP2B	X	0	4.83
32	MP2B	Z	-46.87	4.83
33	MP2B	Mx	.019	4.83
34	MP2C	X	0	4.83
35	MP2C	Z	-46.87	4.83
36	MP2C	Mx	.019	4.83
37	MP3A	X	0	2.17
38	MP3A	Z	-147.712	2.17
39	MP3A	Mx	-.098	2.17
40	MP3A	X	0	6.17
41	MP3A	Z	-147.712	6.17
42	MP3A	Mx	-.098	6.17
43	MP3B	X	0	2.17
44	MP3B	Z	-114.142	2.17
45	MP3B	Mx	.114	2.17
46	MP3B	X	0	6.17
47	MP3B	Z	-114.142	6.17
48	MP3B	Mx	.114	6.17
49	MP3C	X	0	2.17
50	MP3C	Z	-106.618	2.17
51	MP3C	Mx	-.042	2.17
52	MP3C	X	0	6.17
53	MP3C	Z	-106.618	6.17
54	MP3C	Mx	-.042	6.17
55	MP3A	X	0	2.17
56	MP3A	Z	-147.712	2.17
57	MP3A	Mx	.098	2.17
58	MP3A	X	0	6.17
59	MP3A	Z	-147.712	6.17
60	MP3A	Mx	.098	6.17
61	MP3B	X	0	2.17
62	MP3B	Z	-114.142	2.17
63	MP3B	Mx	.026	2.17
64	MP3B	X	0	6.17
65	MP3B	Z	-114.142	6.17
66	MP3B	Mx	.026	6.17
67	MP3C	X	0	2.17
68	MP3C	Z	-106.618	2.17
69	MP3C	Mx	-.103	2.17
70	MP3C	X	0	6.17
71	MP3C	Z	-106.618	6.17
72	MP3C	Mx	-.103	6.17
73	MP1A	X	0	1.25
74	MP1A	Z	-47.63	1.25
75	MP1A	Mx	.003	1.25
76	MP1A	X	0	3.25
77	MP1A	Z	-47.63	3.25
78	MP1A	Mx	.003	3.25
79	MP1B	X	0	1.25
80	MP1B	Z	-81.121	1.25
81	MP1B	Mx	.05	1.25
82	MP1B	X	0	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP1B	Z	-81.121	3.25
84	MP1B	Mx	.05	3.25
85	MP1C	X	0	1.25
86	MP1C	Z	-88.713	1.25
87	MP1C	Mx	-.06	1.25
88	MP1C	X	0	3.25
89	MP1C	Z	-88.713	3.25
90	MP1C	Mx	-.06	3.25
91	MP5A	X	0	1.25
92	MP5A	Z	-47.63	1.25
93	MP5A	Mx	.003	1.25
94	MP5A	X	0	3.25
95	MP5A	Z	-47.63	3.25
96	MP5A	Mx	.003	3.25
97	MP5B	X	0	1.25
98	MP5B	Z	-81.121	1.25
99	MP5B	Mx	.05	1.25
100	MP5B	X	0	3.25
101	MP5B	Z	-81.121	3.25
102	MP5B	Mx	.05	3.25
103	MP5C	X	0	1.25
104	MP5C	Z	-88.713	1.25
105	MP5C	Mx	-.06	1.25
106	MP5C	X	0	3.25
107	MP5C	Z	-88.713	3.25
108	MP5C	Mx	-.06	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	36.068	1.25
2	MP4A	Z	-62.472	1.25
3	MP4A	Mx	-.027	1.25
4	MP4A	X	36.068	3.25
5	MP4A	Z	-62.472	3.25
6	MP4A	Mx	-.027	3.25
7	MP4B	X	16.851	1.25
8	MP4B	Z	-29.186	1.25
9	MP4B	Mx	.025	1.25
10	MP4B	X	16.851	3.25
11	MP4B	Z	-29.186	3.25
12	MP4B	Mx	.025	3.25
13	MP4C	X	34.024	1.25
14	MP4C	Z	-58.931	1.25
15	MP4C	Mx	-.029	1.25
16	MP4C	X	34.024	3.25
17	MP4C	Z	-58.931	3.25
18	MP4C	Mx	-.029	3.25
19	MP3A	X	22.713	5.17
20	MP3A	Z	-39.34	5.17
21	MP3A	Mx	.023	5.17
22	MP3B	X	22.713	5.17
23	MP3B	Z	-39.34	5.17
24	MP3B	Mx	.023	5.17
25	MP3C	X	22.713	5.17
26	MP3C	Z	-39.34	5.17
27	MP3C	Mx	.023	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP2A	X	18.446	4.83
29	MP2A	Z	-31.95	4.83
30	MP2A	Mx	.018	4.83
31	MP2B	X	18.446	4.83
32	MP2B	Z	-31.95	4.83
33	MP2B	Mx	.018	4.83
34	MP2C	X	18.446	4.83
35	MP2C	Z	-31.95	4.83
36	MP2C	Mx	.018	4.83
37	MP3A	X	67.602	2.17
38	MP3A	Z	-117.091	2.17
39	MP3A	Mx	-.129	2.17
40	MP3A	X	67.602	6.17
41	MP3A	Z	-117.091	6.17
42	MP3A	Mx	-.129	6.17
43	MP3B	X	49.031	2.17
44	MP3B	Z	-84.925	2.17
45	MP3B	Mx	.079	2.17
46	MP3B	X	49.031	6.17
47	MP3B	Z	-84.925	6.17
48	MP3B	Mx	.079	6.17
49	MP3C	X	65.626	2.17
50	MP3C	Z	-113.668	2.17
51	MP3C	Mx	.015	2.17
52	MP3C	X	65.626	6.17
53	MP3C	Z	-113.668	6.17
54	MP3C	Mx	.015	6.17
55	MP3A	X	67.602	2.17
56	MP3A	Z	-117.091	2.17
57	MP3A	Mx	.027	2.17
58	MP3A	X	67.602	6.17
59	MP3A	Z	-117.091	6.17
60	MP3A	Mx	.027	6.17
61	MP3B	X	49.031	2.17
62	MP3B	Z	-84.925	2.17
63	MP3B	Mx	.068	2.17
64	MP3B	X	49.031	6.17
65	MP3B	Z	-84.925	6.17
66	MP3B	Mx	.068	6.17
67	MP3C	X	65.626	2.17
68	MP3C	Z	-113.668	2.17
69	MP3C	Mx	-.128	2.17
70	MP3C	X	65.626	6.17
71	MP3C	Z	-113.668	6.17
72	MP3C	Mx	-.128	6.17
73	MP1A	X	28.131	1.25
74	MP1A	Z	-48.725	1.25
75	MP1A	Mx	-.018	1.25
76	MP1A	X	28.131	3.25
77	MP1A	Z	-48.725	3.25
78	MP1A	Mx	-.018	3.25
79	MP1B	X	48.673	1.25
80	MP1B	Z	-84.305	1.25
81	MP1B	Mx	.073	1.25
82	MP1B	X	48.673	3.25
83	MP1B	Z	-84.305	3.25
84	MP1B	Mx	.073	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
85	MP1C	X	31.927	1.25
86	MP1C	Z	-55.3	1.25
87	MP1C	Mx	-.027	1.25
88	MP1C	X	31.927	3.25
89	MP1C	Z	-55.3	3.25
90	MP1C	Mx	-.027	3.25
91	MP5A	X	28.131	1.25
92	MP5A	Z	-48.725	1.25
93	MP5A	Mx	-.018	1.25
94	MP5A	X	28.131	3.25
95	MP5A	Z	-48.725	3.25
96	MP5A	Mx	-.018	3.25
97	MP5B	X	48.673	1.25
98	MP5B	Z	-84.305	1.25
99	MP5B	Mx	.073	1.25
100	MP5B	X	48.673	3.25
101	MP5B	Z	-84.305	3.25
102	MP5B	Mx	.073	3.25
103	MP5C	X	31.927	1.25
104	MP5C	Z	-55.3	1.25
105	MP5C	Mx	-.027	1.25
106	MP5C	X	31.927	3.25
107	MP5C	Z	-55.3	3.25
108	MP5C	Mx	-.027	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	40.055	1.25
2	MP4A	Z	-23.126	1.25
3	MP4A	Mx	-.03	1.25
4	MP4A	X	40.055	3.25
5	MP4A	Z	-23.126	3.25
6	MP4A	Mx	-.03	3.25
7	MP4B	X	36.854	1.25
8	MP4B	Z	-21.277	1.25
9	MP4B	Mx	.029	1.25
10	MP4B	X	36.854	3.25
11	MP4B	Z	-21.277	3.25
12	MP4B	Mx	.029	3.25
13	MP4C	X	73.34	1.25
14	MP4C	Z	-42.343	1.25
15	MP4C	Mx	-.006	1.25
16	MP4C	X	73.34	3.25
17	MP4C	Z	-42.343	3.25
18	MP4C	Mx	-.006	3.25
19	MP3A	X	42.664	5.17
20	MP3A	Z	-24.632	5.17
21	MP3A	Mx	.022	5.17
22	MP3B	X	42.664	5.17
23	MP3B	Z	-24.632	5.17
24	MP3B	Mx	.022	5.17
25	MP3C	X	42.664	5.17
26	MP3C	Z	-24.632	5.17
27	MP3C	Mx	.022	5.17
28	MP2A	X	36.547	4.83
29	MP2A	Z	-21.101	4.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP2A	Mx	.019	4.83
31	MP2B	X	36.547	4.83
32	MP2B	Z	-21.101	4.83
33	MP2B	Mx	.019	4.83
34	MP2C	X	36.547	4.83
35	MP2C	Z	-21.101	4.83
36	MP2C	Mx	.019	4.83
37	MP3A	X	95.428	2.17
38	MP3A	Z	-55.095	2.17
39	MP3A	Mx	-.108	2.17
40	MP3A	X	95.428	6.17
41	MP3A	Z	-55.095	6.17
42	MP3A	Mx	-.108	6.17
43	MP3B	X	92.334	2.17
44	MP3B	Z	-53.309	2.17
45	MP3B	Mx	.042	2.17
46	MP3B	X	92.334	6.17
47	MP3B	Z	-53.309	6.17
48	MP3B	Mx	.042	6.17
49	MP3C	X	127.593	2.17
50	MP3C	Z	-73.666	2.17
51	MP3C	Mx	.088	2.17
52	MP3C	X	127.593	6.17
53	MP3C	Z	-73.666	6.17
54	MP3C	Mx	.088	6.17
55	MP3A	X	95.428	2.17
56	MP3A	Z	-55.095	2.17
57	MP3A	Mx	-.035	2.17
58	MP3A	X	95.428	6.17
59	MP3A	Z	-55.095	6.17
60	MP3A	Mx	-.035	6.17
61	MP3B	X	92.334	2.17
62	MP3B	Z	-53.309	2.17
63	MP3B	Mx	.103	2.17
64	MP3B	X	92.334	6.17
65	MP3B	Z	-53.309	6.17
66	MP3B	Mx	.103	6.17
67	MP3C	X	127.593	2.17
68	MP3C	Z	-73.666	2.17
69	MP3C	Mx	-.107	2.17
70	MP3C	X	127.593	6.17
71	MP3C	Z	-73.666	6.17
72	MP3C	Mx	-.107	6.17
73	MP1A	X	70.253	1.25
74	MP1A	Z	-40.561	1.25
75	MP1A	Mx	-.05	1.25
76	MP1A	X	70.253	3.25
77	MP1A	Z	-40.561	3.25
78	MP1A	Mx	-.05	3.25
79	MP1B	X	76.828	1.25
80	MP1B	Z	-44.357	1.25
81	MP1B	Mx	.06	1.25
82	MP1B	X	76.828	3.25
83	MP1B	Z	-44.357	3.25
84	MP1B	Mx	.06	3.25
85	MP1C	X	41.248	1.25
86	MP1C	Z	-23.815	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
87	MP1C	Mx	-.003	1.25
88	MP1C	X	41.248	3.25
89	MP1C	Z	-23.815	3.25
90	MP1C	Mx	-.003	3.25
91	MP5A	X	70.253	1.25
92	MP5A	Z	-40.561	1.25
93	MP5A	Mx	-.05	1.25
94	MP5A	X	70.253	3.25
95	MP5A	Z	-40.561	3.25
96	MP5A	Mx	-.05	3.25
97	MP5B	X	76.828	1.25
98	MP5B	Z	-44.357	1.25
99	MP5B	Mx	.06	1.25
100	MP5B	X	76.828	3.25
101	MP5B	Z	-44.357	3.25
102	MP5B	Mx	.06	3.25
103	MP5C	X	41.248	1.25
104	MP5C	Z	-23.815	1.25
105	MP5C	Mx	-.003	1.25
106	MP5C	X	41.248	3.25
107	MP5C	Z	-23.815	3.25
108	MP5C	Mx	-.003	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	33.308	1.25
2	MP4A	Z	0	1.25
3	MP4A	Mx	-.025	1.25
4	MP4A	X	33.308	3.25
5	MP4A	Z	0	3.25
6	MP4A	Mx	-.025	3.25
7	MP4B	X	68.047	1.25
8	MP4B	Z	0	1.25
9	MP4B	Mx	.029	1.25
10	MP4B	X	68.047	3.25
11	MP4B	Z	0	3.25
12	MP4B	Mx	.029	3.25
13	MP4C	X	75.833	1.25
14	MP4C	Z	0	1.25
15	MP4C	Mx	.024	1.25
16	MP4C	X	75.833	3.25
17	MP4C	Z	0	3.25
18	MP4C	Mx	.024	3.25
19	MP3A	X	60.317	5.17
20	MP3A	Z	0	5.17
21	MP3A	Mx	.017	5.17
22	MP3B	X	60.317	5.17
23	MP3B	Z	0	5.17
24	MP3B	Mx	.017	5.17
25	MP3C	X	60.317	5.17
26	MP3C	Z	0	5.17
27	MP3C	Mx	.017	5.17
28	MP2A	X	57.488	4.83
29	MP2A	Z	0	4.83
30	MP2A	Mx	.016	4.83
31	MP2B	X	57.488	4.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP2B	Z	0	4.83
33	MP2B	Mx	.016	4.83
34	MP2C	X	57.488	4.83
35	MP2C	Z	0	4.83
36	MP2C	Mx	.016	4.83
37	MP3A	X	97.683	2.17
38	MP3A	Z	0	2.17
39	MP3A	Mx	-.073	2.17
40	MP3A	X	97.683	6.17
41	MP3A	Z	0	6.17
42	MP3A	Mx	-.073	6.17
43	MP3B	X	131.253	2.17
44	MP3B	Z	0	2.17
45	MP3B	Mx	-.015	2.17
46	MP3B	X	131.253	6.17
47	MP3B	Z	0	6.17
48	MP3B	Mx	-.015	6.17
49	MP3C	X	138.777	2.17
50	MP3C	Z	0	2.17
51	MP3C	Mx	.128	2.17
52	MP3C	X	138.777	6.17
53	MP3C	Z	0	6.17
54	MP3C	Mx	.128	6.17
55	MP3A	X	97.683	2.17
56	MP3A	Z	0	2.17
57	MP3A	Mx	-.073	2.17
58	MP3A	X	97.683	6.17
59	MP3A	Z	0	6.17
60	MP3A	Mx	-.073	6.17
61	MP3B	X	131.253	2.17
62	MP3B	Z	0	2.17
63	MP3B	Mx	.128	2.17
64	MP3B	X	131.253	6.17
65	MP3B	Z	0	6.17
66	MP3B	Mx	.128	6.17
67	MP3C	X	138.777	2.17
68	MP3C	Z	0	2.17
69	MP3C	Mx	-.04	2.17
70	MP3C	X	138.777	6.17
71	MP3C	Z	0	6.17
72	MP3C	Mx	-.04	6.17
73	MP1A	X	97.347	1.25
74	MP1A	Z	0	1.25
75	MP1A	Mx	-.073	1.25
76	MP1A	X	97.347	3.25
77	MP1A	Z	0	3.25
78	MP1A	Mx	-.073	3.25
79	MP1B	X	63.855	1.25
80	MP1B	Z	0	1.25
81	MP1B	Mx	.027	1.25
82	MP1B	X	63.855	3.25
83	MP1B	Z	0	3.25
84	MP1B	Mx	.027	3.25
85	MP1C	X	56.263	1.25
86	MP1C	Z	0	1.25
87	MP1C	Mx	.018	1.25
88	MP1C	X	56.263	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP1C	Z	0	3.25
90	MP1C	Mx	.018	3.25
91	MP5A	X	97.347	1.25
92	MP5A	Z	0	1.25
93	MP5A	Mx	-.073	1.25
94	MP5A	X	97.347	3.25
95	MP5A	Z	0	3.25
96	MP5A	Mx	-.073	3.25
97	MP5B	X	63.855	1.25
98	MP5B	Z	0	1.25
99	MP5B	Mx	.027	1.25
100	MP5B	X	63.855	3.25
101	MP5B	Z	0	3.25
102	MP5B	Mx	.027	3.25
103	MP5C	X	56.263	1.25
104	MP5C	Z	0	1.25
105	MP5C	Mx	.018	1.25
106	MP5C	X	56.263	3.25
107	MP5C	Z	0	3.25
108	MP5C	Mx	.018	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	40.055	1.25
2	MP4A	Z	23.126	1.25
3	MP4A	Mx	-.03	1.25
4	MP4A	X	40.055	3.25
5	MP4A	Z	23.126	3.25
6	MP4A	Mx	-.03	3.25
7	MP4B	X	73.34	1.25
8	MP4B	Z	42.343	1.25
9	MP4B	Mx	.006	1.25
10	MP4B	X	73.34	3.25
11	MP4B	Z	42.343	3.25
12	MP4B	Mx	.006	3.25
13	MP4C	X	43.596	1.25
14	MP4C	Z	25.17	1.25
15	MP4C	Mx	.031	1.25
16	MP4C	X	43.596	3.25
17	MP4C	Z	25.17	3.25
18	MP4C	Mx	.031	3.25
19	MP3A	X	58.483	5.17
20	MP3A	Z	33.765	5.17
21	MP3A	Mx	.003	5.17
22	MP3B	X	58.483	5.17
23	MP3B	Z	33.765	5.17
24	MP3B	Mx	.003	5.17
25	MP3C	X	58.483	5.17
26	MP3C	Z	33.765	5.17
27	MP3C	Mx	.003	5.17
28	MP2A	X	58.427	4.83
29	MP2A	Z	33.733	4.83
30	MP2A	Mx	.003	4.83
31	MP2B	X	58.427	4.83
32	MP2B	Z	33.733	4.83
33	MP2B	Mx	.003	4.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP2C	X	58.427	4.83
35	MP2C	Z	33.733	4.83
36	MP2C	Mx	.003	4.83
37	MP3A	X	95.428	2.17
38	MP3A	Z	55.095	2.17
39	MP3A	Mx	-.035	2.17
40	MP3A	X	95.428	6.17
41	MP3A	Z	55.095	6.17
42	MP3A	Mx	-.035	6.17
43	MP3B	X	127.593	2.17
44	MP3B	Z	73.666	2.17
45	MP3B	Mx	-.088	2.17
46	MP3B	X	127.593	6.17
47	MP3B	Z	73.666	6.17
48	MP3B	Mx	-.088	6.17
49	MP3C	X	98.85	2.17
50	MP3C	Z	57.071	2.17
51	MP3C	Mx	.114	2.17
52	MP3C	X	98.85	6.17
53	MP3C	Z	57.071	6.17
54	MP3C	Mx	.114	6.17
55	MP3A	X	95.428	2.17
56	MP3A	Z	55.095	2.17
57	MP3A	Mx	-.108	2.17
58	MP3A	X	95.428	6.17
59	MP3A	Z	55.095	6.17
60	MP3A	Mx	-.108	6.17
61	MP3B	X	127.593	2.17
62	MP3B	Z	73.666	2.17
63	MP3B	Mx	.107	2.17
64	MP3B	X	127.593	6.17
65	MP3B	Z	73.666	6.17
66	MP3B	Mx	.107	6.17
67	MP3C	X	98.85	2.17
68	MP3C	Z	57.071	2.17
69	MP3C	Mx	.026	2.17
70	MP3C	X	98.85	6.17
71	MP3C	Z	57.071	6.17
72	MP3C	Mx	.026	6.17
73	MP1A	X	76.828	1.25
74	MP1A	Z	44.357	1.25
75	MP1A	Mx	-.06	1.25
76	MP1A	X	76.828	3.25
77	MP1A	Z	44.357	3.25
78	MP1A	Mx	-.06	3.25
79	MP1B	X	41.248	1.25
80	MP1B	Z	23.815	1.25
81	MP1B	Mx	.003	1.25
82	MP1B	X	41.248	3.25
83	MP1B	Z	23.815	3.25
84	MP1B	Mx	.003	3.25
85	MP1C	X	70.253	1.25
86	MP1C	Z	40.561	1.25
87	MP1C	Mx	.05	1.25
88	MP1C	X	70.253	3.25
89	MP1C	Z	40.561	3.25
90	MP1C	Mx	.05	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	MP5A	X	76.828	1.25
92	MP5A	Z	44.357	1.25
93	MP5A	Mx	-.06	1.25
94	MP5A	X	76.828	3.25
95	MP5A	Z	44.357	3.25
96	MP5A	Mx	-.06	3.25
97	MP5B	X	41.248	1.25
98	MP5B	Z	23.815	1.25
99	MP5B	Mx	.003	1.25
100	MP5B	X	41.248	3.25
101	MP5B	Z	23.815	3.25
102	MP5B	Mx	.003	3.25
103	MP5C	X	70.253	1.25
104	MP5C	Z	40.561	1.25
105	MP5C	Mx	.05	1.25
106	MP5C	X	70.253	3.25
107	MP5C	Z	40.561	3.25
108	MP5C	Mx	.05	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	36.068	1.25
2	MP4A	Z	62.472	1.25
3	MP4A	Mx	-.027	1.25
4	MP4A	X	36.068	3.25
5	MP4A	Z	62.472	3.25
6	MP4A	Mx	-.027	3.25
7	MP4B	X	37.916	1.25
8	MP4B	Z	65.673	1.25
9	MP4B	Mx	-.024	1.25
10	MP4B	X	37.916	3.25
11	MP4B	Z	65.673	3.25
12	MP4B	Mx	-.024	3.25
13	MP4C	X	16.851	1.25
14	MP4C	Z	29.186	1.25
15	MP4C	Mx	.025	1.25
16	MP4C	X	16.851	3.25
17	MP4C	Z	29.186	3.25
18	MP4C	Mx	.025	3.25
19	MP3A	X	31.846	5.17
20	MP3A	Z	55.159	5.17
21	MP3A	Mx	-.013	5.17
22	MP3B	X	31.846	5.17
23	MP3B	Z	55.159	5.17
24	MP3B	Mx	-.013	5.17
25	MP3C	X	31.846	5.17
26	MP3C	Z	55.159	5.17
27	MP3C	Mx	-.013	5.17
28	MP2A	X	31.078	4.83
29	MP2A	Z	53.829	4.83
30	MP2A	Mx	-.013	4.83
31	MP2B	X	31.078	4.83
32	MP2B	Z	53.829	4.83
33	MP2B	Mx	-.013	4.83
34	MP2C	X	31.078	4.83
35	MP2C	Z	53.829	4.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2C	Mx	-.013	4.83
37	MP3A	X	67.602	2.17
38	MP3A	Z	117.091	2.17
39	MP3A	Mx	.027	2.17
40	MP3A	X	67.602	6.17
41	MP3A	Z	117.091	6.17
42	MP3A	Mx	.027	6.17
43	MP3B	X	69.388	2.17
44	MP3B	Z	120.184	2.17
45	MP3B	Mx	-.128	2.17
46	MP3B	X	69.388	6.17
47	MP3B	Z	120.184	6.17
48	MP3B	Mx	-.128	6.17
49	MP3C	X	49.031	2.17
50	MP3C	Z	84.925	2.17
51	MP3C	Mx	.079	2.17
52	MP3C	X	49.031	6.17
53	MP3C	Z	84.925	6.17
54	MP3C	Mx	.079	6.17
55	MP3A	X	67.602	2.17
56	MP3A	Z	117.091	2.17
57	MP3A	Mx	-.129	2.17
58	MP3A	X	67.602	6.17
59	MP3A	Z	117.091	6.17
60	MP3A	Mx	-.129	6.17
61	MP3B	X	69.388	2.17
62	MP3B	Z	120.184	2.17
63	MP3B	Mx	.04	2.17
64	MP3B	X	69.388	6.17
65	MP3B	Z	120.184	6.17
66	MP3B	Mx	.04	6.17
67	MP3C	X	49.031	2.17
68	MP3C	Z	84.925	2.17
69	MP3C	Mx	.068	2.17
70	MP3C	X	49.031	6.17
71	MP3C	Z	84.925	6.17
72	MP3C	Mx	.068	6.17
73	MP1A	X	31.927	1.25
74	MP1A	Z	55.3	1.25
75	MP1A	Mx	-.027	1.25
76	MP1A	X	31.927	3.25
77	MP1A	Z	55.3	3.25
78	MP1A	Mx	-.027	3.25
79	MP1B	X	28.131	1.25
80	MP1B	Z	48.725	1.25
81	MP1B	Mx	-.018	1.25
82	MP1B	X	28.131	3.25
83	MP1B	Z	48.725	3.25
84	MP1B	Mx	-.018	3.25
85	MP1C	X	48.673	1.25
86	MP1C	Z	84.305	1.25
87	MP1C	Mx	.073	1.25
88	MP1C	X	48.673	3.25
89	MP1C	Z	84.305	3.25
90	MP1C	Mx	.073	3.25
91	MP5A	X	31.927	1.25
92	MP5A	Z	55.3	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
93	MP5A	Mx	-.027	1.25
94	MP5A	X	31.927	3.25
95	MP5A	Z	55.3	3.25
96	MP5A	Mx	-.027	3.25
97	MP5B	X	28.131	1.25
98	MP5B	Z	48.725	1.25
99	MP5B	Mx	-.018	1.25
100	MP5B	X	28.131	3.25
101	MP5B	Z	48.725	3.25
102	MP5B	Mx	-.018	3.25
103	MP5C	X	48.673	1.25
104	MP5C	Z	84.305	1.25
105	MP5C	Mx	.073	1.25
106	MP5C	X	48.673	3.25
107	MP5C	Z	84.305	3.25
108	MP5C	Mx	.073	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	1.25
2	MP4A	Z	85.079	1.25
3	MP4A	Mx	0	1.25
4	MP4A	X	0	3.25
5	MP4A	Z	85.079	3.25
6	MP4A	Mx	0	3.25
7	MP4B	X	0	1.25
8	MP4B	Z	50.34	1.25
9	MP4B	Mx	-.031	1.25
10	MP4B	X	0	3.25
11	MP4B	Z	50.34	3.25
12	MP4B	Mx	-.031	3.25
13	MP4C	X	0	1.25
14	MP4C	Z	42.555	1.25
15	MP4C	Mx	.029	1.25
16	MP4C	X	0	3.25
17	MP4C	Z	42.555	3.25
18	MP4C	Mx	.029	3.25
19	MP3A	X	0	5.17
20	MP3A	Z	52.64	5.17
21	MP3A	Mx	-.022	5.17
22	MP3B	X	0	5.17
23	MP3B	Z	52.64	5.17
24	MP3B	Mx	-.022	5.17
25	MP3C	X	0	5.17
26	MP3C	Z	52.64	5.17
27	MP3C	Mx	-.022	5.17
28	MP2A	X	0	4.83
29	MP2A	Z	46.87	4.83
30	MP2A	Mx	-.019	4.83
31	MP2B	X	0	4.83
32	MP2B	Z	46.87	4.83
33	MP2B	Mx	-.019	4.83
34	MP2C	X	0	4.83
35	MP2C	Z	46.87	4.83
36	MP2C	Mx	-.019	4.83
37	MP3A	X	0	2.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP3A	Z	147.712	2.17
39	MP3A	Mx	.098	2.17
40	MP3A	X	0	6.17
41	MP3A	Z	147.712	6.17
42	MP3A	Mx	.098	6.17
43	MP3B	X	0	2.17
44	MP3B	Z	114.142	2.17
45	MP3B	Mx	-.114	2.17
46	MP3B	X	0	6.17
47	MP3B	Z	114.142	6.17
48	MP3B	Mx	-.114	6.17
49	MP3C	X	0	2.17
50	MP3C	Z	106.618	2.17
51	MP3C	Mx	.042	2.17
52	MP3C	X	0	6.17
53	MP3C	Z	106.618	6.17
54	MP3C	Mx	.042	6.17
55	MP3A	X	0	2.17
56	MP3A	Z	147.712	2.17
57	MP3A	Mx	-.098	2.17
58	MP3A	X	0	6.17
59	MP3A	Z	147.712	6.17
60	MP3A	Mx	-.098	6.17
61	MP3B	X	0	2.17
62	MP3B	Z	114.142	2.17
63	MP3B	Mx	-.026	2.17
64	MP3B	X	0	6.17
65	MP3B	Z	114.142	6.17
66	MP3B	Mx	-.026	6.17
67	MP3C	X	0	2.17
68	MP3C	Z	106.618	2.17
69	MP3C	Mx	.103	2.17
70	MP3C	X	0	6.17
71	MP3C	Z	106.618	6.17
72	MP3C	Mx	.103	6.17
73	MP1A	X	0	1.25
74	MP1A	Z	47.63	1.25
75	MP1A	Mx	-.003	1.25
76	MP1A	X	0	3.25
77	MP1A	Z	47.63	3.25
78	MP1A	Mx	-.003	3.25
79	MP1B	X	0	1.25
80	MP1B	Z	81.121	1.25
81	MP1B	Mx	-.05	1.25
82	MP1B	X	0	3.25
83	MP1B	Z	81.121	3.25
84	MP1B	Mx	-.05	3.25
85	MP1C	X	0	1.25
86	MP1C	Z	88.713	1.25
87	MP1C	Mx	.06	1.25
88	MP1C	X	0	3.25
89	MP1C	Z	88.713	3.25
90	MP1C	Mx	.06	3.25
91	MP5A	X	0	1.25
92	MP5A	Z	47.63	1.25
93	MP5A	Mx	-.003	1.25
94	MP5A	X	0	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP5A	Z	47.63	3.25
96	MP5A	Mx	-.003	3.25
97	MP5B	X	0	1.25
98	MP5B	Z	81.121	1.25
99	MP5B	Mx	-.05	1.25
100	MP5B	X	0	3.25
101	MP5B	Z	81.121	3.25
102	MP5B	Mx	-.05	3.25
103	MP5C	X	0	1.25
104	MP5C	Z	88.713	1.25
105	MP5C	Mx	.06	1.25
106	MP5C	X	0	3.25
107	MP5C	Z	88.713	3.25
108	MP5C	Mx	.06	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-36.068	1.25
2	MP4A	Z	62.472	1.25
3	MP4A	Mx	.027	1.25
4	MP4A	X	-36.068	3.25
5	MP4A	Z	62.472	3.25
6	MP4A	Mx	.027	3.25
7	MP4B	X	-16.851	1.25
8	MP4B	Z	29.186	1.25
9	MP4B	Mx	-.025	1.25
10	MP4B	X	-16.851	3.25
11	MP4B	Z	29.186	3.25
12	MP4B	Mx	-.025	3.25
13	MP4C	X	-34.024	1.25
14	MP4C	Z	58.931	1.25
15	MP4C	Mx	.029	1.25
16	MP4C	X	-34.024	3.25
17	MP4C	Z	58.931	3.25
18	MP4C	Mx	.029	3.25
19	MP3A	X	-22.713	5.17
20	MP3A	Z	39.34	5.17
21	MP3A	Mx	-.023	5.17
22	MP3B	X	-22.713	5.17
23	MP3B	Z	39.34	5.17
24	MP3B	Mx	-.023	5.17
25	MP3C	X	-22.713	5.17
26	MP3C	Z	39.34	5.17
27	MP3C	Mx	-.023	5.17
28	MP2A	X	-18.446	4.83
29	MP2A	Z	31.95	4.83
30	MP2A	Mx	-.018	4.83
31	MP2B	X	-18.446	4.83
32	MP2B	Z	31.95	4.83
33	MP2B	Mx	-.018	4.83
34	MP2C	X	-18.446	4.83
35	MP2C	Z	31.95	4.83
36	MP2C	Mx	-.018	4.83
37	MP3A	X	-67.602	2.17
38	MP3A	Z	117.091	2.17
39	MP3A	Mx	.129	2.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP3A	X	-67.602	6.17
41	MP3A	Z	117.091	6.17
42	MP3A	Mx	.129	6.17
43	MP3B	X	-49.031	2.17
44	MP3B	Z	84.925	2.17
45	MP3B	Mx	-.079	2.17
46	MP3B	X	-49.031	6.17
47	MP3B	Z	84.925	6.17
48	MP3B	Mx	-.079	6.17
49	MP3C	X	-65.626	2.17
50	MP3C	Z	113.668	2.17
51	MP3C	Mx	-.015	2.17
52	MP3C	X	-65.626	6.17
53	MP3C	Z	113.668	6.17
54	MP3C	Mx	-.015	6.17
55	MP3A	X	-67.602	2.17
56	MP3A	Z	117.091	2.17
57	MP3A	Mx	-.027	2.17
58	MP3A	X	-67.602	6.17
59	MP3A	Z	117.091	6.17
60	MP3A	Mx	-.027	6.17
61	MP3B	X	-49.031	2.17
62	MP3B	Z	84.925	2.17
63	MP3B	Mx	-.068	2.17
64	MP3B	X	-49.031	6.17
65	MP3B	Z	84.925	6.17
66	MP3B	Mx	-.068	6.17
67	MP3C	X	-65.626	2.17
68	MP3C	Z	113.668	2.17
69	MP3C	Mx	.128	2.17
70	MP3C	X	-65.626	6.17
71	MP3C	Z	113.668	6.17
72	MP3C	Mx	.128	6.17
73	MP1A	X	-28.131	1.25
74	MP1A	Z	48.725	1.25
75	MP1A	Mx	.018	1.25
76	MP1A	X	-28.131	3.25
77	MP1A	Z	48.725	3.25
78	MP1A	Mx	.018	3.25
79	MP1B	X	-48.673	1.25
80	MP1B	Z	84.305	1.25
81	MP1B	Mx	-.073	1.25
82	MP1B	X	-48.673	3.25
83	MP1B	Z	84.305	3.25
84	MP1B	Mx	-.073	3.25
85	MP1C	X	-31.927	1.25
86	MP1C	Z	55.3	1.25
87	MP1C	Mx	.027	1.25
88	MP1C	X	-31.927	3.25
89	MP1C	Z	55.3	3.25
90	MP1C	Mx	.027	3.25
91	MP5A	X	-28.131	1.25
92	MP5A	Z	48.725	1.25
93	MP5A	Mx	.018	1.25
94	MP5A	X	-28.131	3.25
95	MP5A	Z	48.725	3.25
96	MP5A	Mx	.018	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
97	MP5B	X	-48.673	1.25
98	MP5B	Z	84.305	1.25
99	MP5B	Mx	-.073	1.25
100	MP5B	X	-48.673	3.25
101	MP5B	Z	84.305	3.25
102	MP5B	Mx	-.073	3.25
103	MP5C	X	-31.927	1.25
104	MP5C	Z	55.3	1.25
105	MP5C	Mx	.027	1.25
106	MP5C	X	-31.927	3.25
107	MP5C	Z	55.3	3.25
108	MP5C	Mx	.027	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-40.055	1.25
2	MP4A	Z	23.126	1.25
3	MP4A	Mx	.03	1.25
4	MP4A	X	-40.055	3.25
5	MP4A	Z	23.126	3.25
6	MP4A	Mx	.03	3.25
7	MP4B	X	-36.854	1.25
8	MP4B	Z	21.277	1.25
9	MP4B	Mx	-.029	1.25
10	MP4B	X	-36.854	3.25
11	MP4B	Z	21.277	3.25
12	MP4B	Mx	-.029	3.25
13	MP4C	X	-73.34	1.25
14	MP4C	Z	42.343	1.25
15	MP4C	Mx	.006	1.25
16	MP4C	X	-73.34	3.25
17	MP4C	Z	42.343	3.25
18	MP4C	Mx	.006	3.25
19	MP3A	X	-42.664	5.17
20	MP3A	Z	24.632	5.17
21	MP3A	Mx	-.022	5.17
22	MP3B	X	-42.664	5.17
23	MP3B	Z	24.632	5.17
24	MP3B	Mx	-.022	5.17
25	MP3C	X	-42.664	5.17
26	MP3C	Z	24.632	5.17
27	MP3C	Mx	-.022	5.17
28	MP2A	X	-36.547	4.83
29	MP2A	Z	21.101	4.83
30	MP2A	Mx	-.019	4.83
31	MP2B	X	-36.547	4.83
32	MP2B	Z	21.101	4.83
33	MP2B	Mx	-.019	4.83
34	MP2C	X	-36.547	4.83
35	MP2C	Z	21.101	4.83
36	MP2C	Mx	-.019	4.83
37	MP3A	X	-95.428	2.17
38	MP3A	Z	55.095	2.17
39	MP3A	Mx	.108	2.17
40	MP3A	X	-95.428	6.17
41	MP3A	Z	55.095	6.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
42	MP3A	Mx	.108	6.17
43	MP3B	X	-92.334	2.17
44	MP3B	Z	53.309	2.17
45	MP3B	Mx	-.042	2.17
46	MP3B	X	-92.334	6.17
47	MP3B	Z	53.309	6.17
48	MP3B	Mx	-.042	6.17
49	MP3C	X	-127.593	2.17
50	MP3C	Z	73.666	2.17
51	MP3C	Mx	-.088	2.17
52	MP3C	X	-127.593	6.17
53	MP3C	Z	73.666	6.17
54	MP3C	Mx	-.088	6.17
55	MP3A	X	-95.428	2.17
56	MP3A	Z	55.095	2.17
57	MP3A	Mx	.035	2.17
58	MP3A	X	-95.428	6.17
59	MP3A	Z	55.095	6.17
60	MP3A	Mx	.035	6.17
61	MP3B	X	-92.334	2.17
62	MP3B	Z	53.309	2.17
63	MP3B	Mx	-.103	2.17
64	MP3B	X	-92.334	6.17
65	MP3B	Z	53.309	6.17
66	MP3B	Mx	-.103	6.17
67	MP3C	X	-127.593	2.17
68	MP3C	Z	73.666	2.17
69	MP3C	Mx	.107	2.17
70	MP3C	X	-127.593	6.17
71	MP3C	Z	73.666	6.17
72	MP3C	Mx	.107	6.17
73	MP1A	X	-70.253	1.25
74	MP1A	Z	40.561	1.25
75	MP1A	Mx	.05	1.25
76	MP1A	X	-70.253	3.25
77	MP1A	Z	40.561	3.25
78	MP1A	Mx	.05	3.25
79	MP1B	X	-76.828	1.25
80	MP1B	Z	44.357	1.25
81	MP1B	Mx	-.06	1.25
82	MP1B	X	-76.828	3.25
83	MP1B	Z	44.357	3.25
84	MP1B	Mx	-.06	3.25
85	MP1C	X	-41.248	1.25
86	MP1C	Z	23.815	1.25
87	MP1C	Mx	.003	1.25
88	MP1C	X	-41.248	3.25
89	MP1C	Z	23.815	3.25
90	MP1C	Mx	.003	3.25
91	MP5A	X	-70.253	1.25
92	MP5A	Z	40.561	1.25
93	MP5A	Mx	.05	1.25
94	MP5A	X	-70.253	3.25
95	MP5A	Z	40.561	3.25
96	MP5A	Mx	.05	3.25
97	MP5B	X	-76.828	1.25
98	MP5B	Z	44.357	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
99	MP5B	Mx	-.06	1.25
100	MP5B	X	-76.828	3.25
101	MP5B	Z	44.357	3.25
102	MP5B	Mx	-.06	3.25
103	MP5C	X	-41.248	1.25
104	MP5C	Z	23.815	1.25
105	MP5C	Mx	.003	1.25
106	MP5C	X	-41.248	3.25
107	MP5C	Z	23.815	3.25
108	MP5C	Mx	.003	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-33.308	1.25
2	MP4A	Z	0	1.25
3	MP4A	Mx	.025	1.25
4	MP4A	X	-33.308	3.25
5	MP4A	Z	0	3.25
6	MP4A	Mx	.025	3.25
7	MP4B	X	-68.047	1.25
8	MP4B	Z	0	1.25
9	MP4B	Mx	-.029	1.25
10	MP4B	X	-68.047	3.25
11	MP4B	Z	0	3.25
12	MP4B	Mx	-.029	3.25
13	MP4C	X	-75.833	1.25
14	MP4C	Z	0	1.25
15	MP4C	Mx	-.024	1.25
16	MP4C	X	-75.833	3.25
17	MP4C	Z	0	3.25
18	MP4C	Mx	-.024	3.25
19	MP3A	X	-60.317	5.17
20	MP3A	Z	0	5.17
21	MP3A	Mx	-.017	5.17
22	MP3B	X	-60.317	5.17
23	MP3B	Z	0	5.17
24	MP3B	Mx	-.017	5.17
25	MP3C	X	-60.317	5.17
26	MP3C	Z	0	5.17
27	MP3C	Mx	-.017	5.17
28	MP2A	X	-57.488	4.83
29	MP2A	Z	0	4.83
30	MP2A	Mx	-.016	4.83
31	MP2B	X	-57.488	4.83
32	MP2B	Z	0	4.83
33	MP2B	Mx	-.016	4.83
34	MP2C	X	-57.488	4.83
35	MP2C	Z	0	4.83
36	MP2C	Mx	-.016	4.83
37	MP3A	X	-97.683	2.17
38	MP3A	Z	0	2.17
39	MP3A	Mx	.073	2.17
40	MP3A	X	-97.683	6.17
41	MP3A	Z	0	6.17
42	MP3A	Mx	.073	6.17
43	MP3B	X	-131.253	2.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP3B	Z	0	2.17
45	MP3B	Mx	.015	2.17
46	MP3B	X	-131.253	6.17
47	MP3B	Z	0	6.17
48	MP3B	Mx	.015	6.17
49	MP3C	X	-138.777	2.17
50	MP3C	Z	0	2.17
51	MP3C	Mx	-.128	2.17
52	MP3C	X	-138.777	6.17
53	MP3C	Z	0	6.17
54	MP3C	Mx	-.128	6.17
55	MP3A	X	-97.683	2.17
56	MP3A	Z	0	2.17
57	MP3A	Mx	.073	2.17
58	MP3A	X	-97.683	6.17
59	MP3A	Z	0	6.17
60	MP3A	Mx	.073	6.17
61	MP3B	X	-131.253	2.17
62	MP3B	Z	0	2.17
63	MP3B	Mx	-.128	2.17
64	MP3B	X	-131.253	6.17
65	MP3B	Z	0	6.17
66	MP3B	Mx	-.128	6.17
67	MP3C	X	-138.777	2.17
68	MP3C	Z	0	2.17
69	MP3C	Mx	.04	2.17
70	MP3C	X	-138.777	6.17
71	MP3C	Z	0	6.17
72	MP3C	Mx	.04	6.17
73	MP1A	X	-97.347	1.25
74	MP1A	Z	0	1.25
75	MP1A	Mx	.073	1.25
76	MP1A	X	-97.347	3.25
77	MP1A	Z	0	3.25
78	MP1A	Mx	.073	3.25
79	MP1B	X	-63.855	1.25
80	MP1B	Z	0	1.25
81	MP1B	Mx	-.027	1.25
82	MP1B	X	-63.855	3.25
83	MP1B	Z	0	3.25
84	MP1B	Mx	-.027	3.25
85	MP1C	X	-56.263	1.25
86	MP1C	Z	0	1.25
87	MP1C	Mx	-.018	1.25
88	MP1C	X	-56.263	3.25
89	MP1C	Z	0	3.25
90	MP1C	Mx	-.018	3.25
91	MP5A	X	-97.347	1.25
92	MP5A	Z	0	1.25
93	MP5A	Mx	.073	1.25
94	MP5A	X	-97.347	3.25
95	MP5A	Z	0	3.25
96	MP5A	Mx	.073	3.25
97	MP5B	X	-63.855	1.25
98	MP5B	Z	0	1.25
99	MP5B	Mx	-.027	1.25
100	MP5B	X	-63.855	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
101	MP5B	Z	0	3.25
102	MP5B	Mx	-.027	3.25
103	MP5C	X	-56.263	1.25
104	MP5C	Z	0	1.25
105	MP5C	Mx	-.018	1.25
106	MP5C	X	-56.263	3.25
107	MP5C	Z	0	3.25
108	MP5C	Mx	-.018	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-40.055	1.25
2	MP4A	Z	-23.126	1.25
3	MP4A	Mx	.03	1.25
4	MP4A	X	-40.055	3.25
5	MP4A	Z	-23.126	3.25
6	MP4A	Mx	.03	3.25
7	MP4B	X	-73.34	1.25
8	MP4B	Z	-42.343	1.25
9	MP4B	Mx	-.006	1.25
10	MP4B	X	-73.34	3.25
11	MP4B	Z	-42.343	3.25
12	MP4B	Mx	-.006	3.25
13	MP4C	X	-43.596	1.25
14	MP4C	Z	-25.17	1.25
15	MP4C	Mx	-.031	1.25
16	MP4C	X	-43.596	3.25
17	MP4C	Z	-25.17	3.25
18	MP4C	Mx	-.031	3.25
19	MP3A	X	-58.483	5.17
20	MP3A	Z	-33.765	5.17
21	MP3A	Mx	-.003	5.17
22	MP3B	X	-58.483	5.17
23	MP3B	Z	-33.765	5.17
24	MP3B	Mx	-.003	5.17
25	MP3C	X	-58.483	5.17
26	MP3C	Z	-33.765	5.17
27	MP3C	Mx	-.003	5.17
28	MP2A	X	-58.427	4.83
29	MP2A	Z	-33.733	4.83
30	MP2A	Mx	-.003	4.83
31	MP2B	X	-58.427	4.83
32	MP2B	Z	-33.733	4.83
33	MP2B	Mx	-.003	4.83
34	MP2C	X	-58.427	4.83
35	MP2C	Z	-33.733	4.83
36	MP2C	Mx	-.003	4.83
37	MP3A	X	-95.428	2.17
38	MP3A	Z	-55.095	2.17
39	MP3A	Mx	.035	2.17
40	MP3A	X	-95.428	6.17
41	MP3A	Z	-55.095	6.17
42	MP3A	Mx	.035	6.17
43	MP3B	X	-127.593	2.17
44	MP3B	Z	-73.666	2.17
45	MP3B	Mx	.088	2.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP3B	X	-127.593	6.17
47	MP3B	Z	-73.666	6.17
48	MP3B	Mx	.088	6.17
49	MP3C	X	-98.85	2.17
50	MP3C	Z	-57.071	2.17
51	MP3C	Mx	-.114	2.17
52	MP3C	X	-98.85	6.17
53	MP3C	Z	-57.071	6.17
54	MP3C	Mx	-.114	6.17
55	MP3A	X	-95.428	2.17
56	MP3A	Z	-55.095	2.17
57	MP3A	Mx	.108	2.17
58	MP3A	X	-95.428	6.17
59	MP3A	Z	-55.095	6.17
60	MP3A	Mx	.108	6.17
61	MP3B	X	-127.593	2.17
62	MP3B	Z	-73.666	2.17
63	MP3B	Mx	-.107	2.17
64	MP3B	X	-127.593	6.17
65	MP3B	Z	-73.666	6.17
66	MP3B	Mx	-.107	6.17
67	MP3C	X	-98.85	2.17
68	MP3C	Z	-57.071	2.17
69	MP3C	Mx	-.026	2.17
70	MP3C	X	-98.85	6.17
71	MP3C	Z	-57.071	6.17
72	MP3C	Mx	-.026	6.17
73	MP1A	X	-76.828	1.25
74	MP1A	Z	-44.357	1.25
75	MP1A	Mx	.06	1.25
76	MP1A	X	-76.828	3.25
77	MP1A	Z	-44.357	3.25
78	MP1A	Mx	.06	3.25
79	MP1B	X	-41.248	1.25
80	MP1B	Z	-23.815	1.25
81	MP1B	Mx	-.003	1.25
82	MP1B	X	-41.248	3.25
83	MP1B	Z	-23.815	3.25
84	MP1B	Mx	-.003	3.25
85	MP1C	X	-70.253	1.25
86	MP1C	Z	-40.561	1.25
87	MP1C	Mx	-.05	1.25
88	MP1C	X	-70.253	3.25
89	MP1C	Z	-40.561	3.25
90	MP1C	Mx	-.05	3.25
91	MP5A	X	-76.828	1.25
92	MP5A	Z	-44.357	1.25
93	MP5A	Mx	.06	1.25
94	MP5A	X	-76.828	3.25
95	MP5A	Z	-44.357	3.25
96	MP5A	Mx	.06	3.25
97	MP5B	X	-41.248	1.25
98	MP5B	Z	-23.815	1.25
99	MP5B	Mx	-.003	1.25
100	MP5B	X	-41.248	3.25
101	MP5B	Z	-23.815	3.25
102	MP5B	Mx	-.003	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
103	MP5C	X	-70.253	1.25
104	MP5C	Z	-40.561	1.25
105	MP5C	Mx	-.05	1.25
106	MP5C	X	-70.253	3.25
107	MP5C	Z	-40.561	3.25
108	MP5C	Mx	-.05	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-36.068	1.25
2	MP4A	Z	-62.472	1.25
3	MP4A	Mx	.027	1.25
4	MP4A	X	-36.068	3.25
5	MP4A	Z	-62.472	3.25
6	MP4A	Mx	.027	3.25
7	MP4B	X	-37.916	1.25
8	MP4B	Z	-65.673	1.25
9	MP4B	Mx	.024	1.25
10	MP4B	X	-37.916	3.25
11	MP4B	Z	-65.673	3.25
12	MP4B	Mx	.024	3.25
13	MP4C	X	-16.851	1.25
14	MP4C	Z	-29.186	1.25
15	MP4C	Mx	-.025	1.25
16	MP4C	X	-16.851	3.25
17	MP4C	Z	-29.186	3.25
18	MP4C	Mx	-.025	3.25
19	MP3A	X	-31.846	5.17
20	MP3A	Z	-55.159	5.17
21	MP3A	Mx	.013	5.17
22	MP3B	X	-31.846	5.17
23	MP3B	Z	-55.159	5.17
24	MP3B	Mx	.013	5.17
25	MP3C	X	-31.846	5.17
26	MP3C	Z	-55.159	5.17
27	MP3C	Mx	.013	5.17
28	MP2A	X	-31.078	4.83
29	MP2A	Z	-53.829	4.83
30	MP2A	Mx	.013	4.83
31	MP2B	X	-31.078	4.83
32	MP2B	Z	-53.829	4.83
33	MP2B	Mx	.013	4.83
34	MP2C	X	-31.078	4.83
35	MP2C	Z	-53.829	4.83
36	MP2C	Mx	.013	4.83
37	MP3A	X	-67.602	2.17
38	MP3A	Z	-117.091	2.17
39	MP3A	Mx	-.027	2.17
40	MP3A	X	-67.602	6.17
41	MP3A	Z	-117.091	6.17
42	MP3A	Mx	-.027	6.17
43	MP3B	X	-69.388	2.17
44	MP3B	Z	-120.184	2.17
45	MP3B	Mx	.128	2.17
46	MP3B	X	-69.388	6.17
47	MP3B	Z	-120.184	6.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP3B	Mx	.128	6.17
49	MP3C	X	-49.031	2.17
50	MP3C	Z	-84.925	2.17
51	MP3C	Mx	-.079	2.17
52	MP3C	X	-49.031	6.17
53	MP3C	Z	-84.925	6.17
54	MP3C	Mx	-.079	6.17
55	MP3A	X	-67.602	2.17
56	MP3A	Z	-117.091	2.17
57	MP3A	Mx	.129	2.17
58	MP3A	X	-67.602	6.17
59	MP3A	Z	-117.091	6.17
60	MP3A	Mx	.129	6.17
61	MP3B	X	-69.388	2.17
62	MP3B	Z	-120.184	2.17
63	MP3B	Mx	-.04	2.17
64	MP3B	X	-69.388	6.17
65	MP3B	Z	-120.184	6.17
66	MP3B	Mx	-.04	6.17
67	MP3C	X	-49.031	2.17
68	MP3C	Z	-84.925	2.17
69	MP3C	Mx	-.068	2.17
70	MP3C	X	-49.031	6.17
71	MP3C	Z	-84.925	6.17
72	MP3C	Mx	-.068	6.17
73	MP1A	X	-31.927	1.25
74	MP1A	Z	-55.3	1.25
75	MP1A	Mx	.027	1.25
76	MP1A	X	-31.927	3.25
77	MP1A	Z	-55.3	3.25
78	MP1A	Mx	.027	3.25
79	MP1B	X	-28.131	1.25
80	MP1B	Z	-48.725	1.25
81	MP1B	Mx	.018	1.25
82	MP1B	X	-28.131	3.25
83	MP1B	Z	-48.725	3.25
84	MP1B	Mx	.018	3.25
85	MP1C	X	-48.673	1.25
86	MP1C	Z	-84.305	1.25
87	MP1C	Mx	-.073	1.25
88	MP1C	X	-48.673	3.25
89	MP1C	Z	-84.305	3.25
90	MP1C	Mx	-.073	3.25
91	MP5A	X	-31.927	1.25
92	MP5A	Z	-55.3	1.25
93	MP5A	Mx	.027	1.25
94	MP5A	X	-31.927	3.25
95	MP5A	Z	-55.3	3.25
96	MP5A	Mx	.027	3.25
97	MP5B	X	-28.131	1.25
98	MP5B	Z	-48.725	1.25
99	MP5B	Mx	.018	1.25
100	MP5B	X	-28.131	3.25
101	MP5B	Z	-48.725	3.25
102	MP5B	Mx	.018	3.25
103	MP5C	X	-48.673	1.25
104	MP5C	Z	-84.305	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
105	MP5C	Mx	-.073	1.25
106	MP5C	X	-48.673	3.25
107	MP5C	Z	-84.305	3.25
108	MP5C	Mx	-.073	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	1.25
2	MP4A	Z	-16.449	1.25
3	MP4A	Mx	0	1.25
4	MP4A	X	0	3.25
5	MP4A	Z	-16.449	3.25
6	MP4A	Mx	0	3.25
7	MP4B	X	0	1.25
8	MP4B	Z	-10.121	1.25
9	MP4B	Mx	.006	1.25
10	MP4B	X	0	3.25
11	MP4B	Z	-10.121	3.25
12	MP4B	Mx	.006	3.25
13	MP4C	X	0	1.25
14	MP4C	Z	-8.703	1.25
15	MP4C	Mx	-.006	1.25
16	MP4C	X	0	3.25
17	MP4C	Z	-8.703	3.25
18	MP4C	Mx	-.006	3.25
19	MP3A	X	0	5.17
20	MP3A	Z	-11.049	5.17
21	MP3A	Mx	.005	5.17
22	MP3B	X	0	5.17
23	MP3B	Z	-11.049	5.17
24	MP3B	Mx	.005	5.17
25	MP3C	X	0	5.17
26	MP3C	Z	-11.049	5.17
27	MP3C	Mx	.005	5.17
28	MP2A	X	0	4.83
29	MP2A	Z	-9.973	4.83
30	MP2A	Mx	.004	4.83
31	MP2B	X	0	4.83
32	MP2B	Z	-9.973	4.83
33	MP2B	Mx	.004	4.83
34	MP2C	X	0	4.83
35	MP2C	Z	-9.973	4.83
36	MP2C	Mx	.004	4.83
37	MP3A	X	0	2.17
38	MP3A	Z	-27.867	2.17
39	MP3A	Mx	-.019	2.17
40	MP3A	X	0	6.17
41	MP3A	Z	-27.867	6.17
42	MP3A	Mx	-.019	6.17
43	MP3B	X	0	2.17
44	MP3B	Z	-22.074	2.17
45	MP3B	Mx	.022	2.17
46	MP3B	X	0	6.17
47	MP3B	Z	-22.074	6.17
48	MP3B	Mx	.022	6.17
49	MP3C	X	0	2.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP3C	Z	-20.775	2.17
51	MP3C	Mx	-.008	2.17
52	MP3C	X	0	6.17
53	MP3C	Z	-20.775	6.17
54	MP3C	Mx	-.008	6.17
55	MP3A	X	0	2.17
56	MP3A	Z	-27.867	2.17
57	MP3A	Mx	.019	2.17
58	MP3A	X	0	6.17
59	MP3A	Z	-27.867	6.17
60	MP3A	Mx	.019	6.17
61	MP3B	X	0	2.17
62	MP3B	Z	-22.074	2.17
63	MP3B	Mx	.005	2.17
64	MP3B	X	0	6.17
65	MP3B	Z	-22.074	6.17
66	MP3B	Mx	.005	6.17
67	MP3C	X	0	2.17
68	MP3C	Z	-20.775	2.17
69	MP3C	Mx	-.02	2.17
70	MP3C	X	0	6.17
71	MP3C	Z	-20.775	6.17
72	MP3C	Mx	-.02	6.17
73	MP1A	X	0	1.25
74	MP1A	Z	-9.88	1.25
75	MP1A	Mx	.000646	1.25
76	MP1A	X	0	3.25
77	MP1A	Z	-9.88	3.25
78	MP1A	Mx	.000646	3.25
79	MP1B	X	0	1.25
80	MP1B	Z	-15.791	1.25
81	MP1B	Mx	.01	1.25
82	MP1B	X	0	3.25
83	MP1B	Z	-15.791	3.25
84	MP1B	Mx	.01	3.25
85	MP1C	X	0	1.25
86	MP1C	Z	-17.131	1.25
87	MP1C	Mx	-.012	1.25
88	MP1C	X	0	3.25
89	MP1C	Z	-17.131	3.25
90	MP1C	Mx	-.012	3.25
91	MP5A	X	0	1.25
92	MP5A	Z	-9.88	1.25
93	MP5A	Mx	.000646	1.25
94	MP5A	X	0	3.25
95	MP5A	Z	-9.88	3.25
96	MP5A	Mx	.000646	3.25
97	MP5B	X	0	1.25
98	MP5B	Z	-15.791	1.25
99	MP5B	Mx	.01	1.25
100	MP5B	X	0	3.25
101	MP5B	Z	-15.791	3.25
102	MP5B	Mx	.01	3.25
103	MP5C	X	0	1.25
104	MP5C	Z	-17.131	1.25
105	MP5C	Mx	-.012	1.25
106	MP5C	X	0	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
107	MP5C	Z	-17.131	3.25
108	MP5C	Mx	-.012	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	7.046	1.25
2	MP4A	Z	-12.204	1.25
3	MP4A	Mx	-.005	1.25
4	MP4A	X	7.046	3.25
5	MP4A	Z	-12.204	3.25
6	MP4A	Mx	-.005	3.25
7	MP4B	X	3.545	1.25
8	MP4B	Z	-6.14	1.25
9	MP4B	Mx	.005	1.25
10	MP4B	X	3.545	3.25
11	MP4B	Z	-6.14	3.25
12	MP4B	Mx	.005	3.25
13	MP4C	X	6.673	1.25
14	MP4C	Z	-11.559	1.25
15	MP4C	Mx	-.006	1.25
16	MP4C	X	6.673	3.25
17	MP4C	Z	-11.559	3.25
18	MP4C	Mx	-.006	3.25
19	MP3A	X	4.847	5.17
20	MP3A	Z	-8.395	5.17
21	MP3A	Mx	.005	5.17
22	MP3B	X	4.847	5.17
23	MP3B	Z	-8.395	5.17
24	MP3B	Mx	.005	5.17
25	MP3C	X	4.847	5.17
26	MP3C	Z	-8.395	5.17
27	MP3C	Mx	.005	5.17
28	MP2A	X	4.052	4.83
29	MP2A	Z	-7.017	4.83
30	MP2A	Mx	.004	4.83
31	MP2B	X	4.052	4.83
32	MP2B	Z	-7.017	4.83
33	MP2B	Mx	.004	4.83
34	MP2C	X	4.052	4.83
35	MP2C	Z	-7.017	4.83
36	MP2C	Mx	.004	4.83
37	MP3A	X	12.854	2.17
38	MP3A	Z	-22.264	2.17
39	MP3A	Mx	-.024	2.17
40	MP3A	X	12.854	6.17
41	MP3A	Z	-22.264	6.17
42	MP3A	Mx	-.024	6.17
43	MP3B	X	9.65	2.17
44	MP3B	Z	-16.713	2.17
45	MP3B	Mx	.016	2.17
46	MP3B	X	9.65	6.17
47	MP3B	Z	-16.713	6.17
48	MP3B	Mx	.016	6.17
49	MP3C	X	12.513	2.17
50	MP3C	Z	-21.673	2.17
51	MP3C	Mx	.003	2.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP3C	X	12.513	6.17
53	MP3C	Z	-21.673	6.17
54	MP3C	Mx	.003	6.17
55	MP3A	X	12.854	2.17
56	MP3A	Z	-22.264	2.17
57	MP3A	Mx	.005	2.17
58	MP3A	X	12.854	6.17
59	MP3A	Z	-22.264	6.17
60	MP3A	Mx	.005	6.17
61	MP3B	X	9.65	2.17
62	MP3B	Z	-16.713	2.17
63	MP3B	Mx	.013	2.17
64	MP3B	X	9.65	6.17
65	MP3B	Z	-16.713	6.17
66	MP3B	Mx	.013	6.17
67	MP3C	X	12.513	2.17
68	MP3C	Z	-21.673	2.17
69	MP3C	Mx	-.024	2.17
70	MP3C	X	12.513	6.17
71	MP3C	Z	-21.673	6.17
72	MP3C	Mx	-.024	6.17
73	MP1A	X	5.702	1.25
74	MP1A	Z	-9.876	1.25
75	MP1A	Mx	-.004	1.25
76	MP1A	X	5.702	3.25
77	MP1A	Z	-9.876	3.25
78	MP1A	Mx	-.004	3.25
79	MP1B	X	9.328	1.25
80	MP1B	Z	-16.156	1.25
81	MP1B	Mx	.014	1.25
82	MP1B	X	9.328	3.25
83	MP1B	Z	-16.156	3.25
84	MP1B	Mx	.014	3.25
85	MP1C	X	6.372	1.25
86	MP1C	Z	-11.036	1.25
87	MP1C	Mx	-.005	1.25
88	MP1C	X	6.372	3.25
89	MP1C	Z	-11.036	3.25
90	MP1C	Mx	-.005	3.25
91	MP5A	X	5.702	1.25
92	MP5A	Z	-9.876	1.25
93	MP5A	Mx	-.004	1.25
94	MP5A	X	5.702	3.25
95	MP5A	Z	-9.876	3.25
96	MP5A	Mx	-.004	3.25
97	MP5B	X	9.328	1.25
98	MP5B	Z	-16.156	1.25
99	MP5B	Mx	.014	1.25
100	MP5B	X	9.328	3.25
101	MP5B	Z	-16.156	3.25
102	MP5B	Mx	.014	3.25
103	MP5C	X	6.372	1.25
104	MP5C	Z	-11.036	1.25
105	MP5C	Mx	-.005	1.25
106	MP5C	X	6.372	3.25
107	MP5C	Z	-11.036	3.25
108	MP5C	Mx	-.005	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	8.12	1.25
2	MP4A	Z	-4.688	1.25
3	MP4A	Mx	-.006	1.25
4	MP4A	X	8.12	3.25
5	MP4A	Z	-4.688	3.25
6	MP4A	Mx	-.006	3.25
7	MP4B	X	7.537	1.25
8	MP4B	Z	-4.351	1.25
9	MP4B	Mx	.006	1.25
10	MP4B	X	7.537	3.25
11	MP4B	Z	-4.351	3.25
12	MP4B	Mx	.006	3.25
13	MP4C	X	14.184	1.25
14	MP4C	Z	-8.189	1.25
15	MP4C	Mx	-.001	1.25
16	MP4C	X	14.184	3.25
17	MP4C	Z	-8.189	3.25
18	MP4C	Mx	-.001	3.25
19	MP3A	X	9.019	5.17
20	MP3A	Z	-5.207	5.17
21	MP3A	Mx	.005	5.17
22	MP3B	X	9.019	5.17
23	MP3B	Z	-5.207	5.17
24	MP3B	Mx	.005	5.17
25	MP3C	X	9.019	5.17
26	MP3C	Z	-5.207	5.17
27	MP3C	Mx	.005	5.17
28	MP2A	X	7.879	4.83
29	MP2A	Z	-4.549	4.83
30	MP2A	Mx	.004	4.83
31	MP2B	X	7.879	4.83
32	MP2B	Z	-4.549	4.83
33	MP2B	Mx	.004	4.83
34	MP2C	X	7.879	4.83
35	MP2C	Z	-4.549	4.83
36	MP2C	Mx	.004	4.83
37	MP3A	X	18.526	2.17
38	MP3A	Z	-10.696	2.17
39	MP3A	Mx	-.021	2.17
40	MP3A	X	18.526	6.17
41	MP3A	Z	-10.696	6.17
42	MP3A	Mx	-.021	6.17
43	MP3B	X	17.992	2.17
44	MP3B	Z	-10.388	2.17
45	MP3B	Mx	.008	2.17
46	MP3B	X	17.992	6.17
47	MP3B	Z	-10.388	6.17
48	MP3B	Mx	.008	6.17
49	MP3C	X	24.076	2.17
50	MP3C	Z	-13.9	2.17
51	MP3C	Mx	.017	2.17
52	MP3C	X	24.076	6.17
53	MP3C	Z	-13.9	6.17
54	MP3C	Mx	.017	6.17
55	MP3A	X	18.526	2.17
56	MP3A	Z	-10.696	2.17
57	MP3A	Mx	-.007	2.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	18.526	6.17
59	MP3A	Z	-10.696	6.17
60	MP3A	Mx	-.007	6.17
61	MP3B	X	17.992	2.17
62	MP3B	Z	-10.388	2.17
63	MP3B	Mx	.02	2.17
64	MP3B	X	17.992	6.17
65	MP3B	Z	-10.388	6.17
66	MP3B	Mx	.02	6.17
67	MP3C	X	24.076	2.17
68	MP3C	Z	-13.9	2.17
69	MP3C	Mx	-.02	2.17
70	MP3C	X	24.076	6.17
71	MP3C	Z	-13.9	6.17
72	MP3C	Mx	-.02	6.17
73	MP1A	X	13.676	1.25
74	MP1A	Z	-7.896	1.25
75	MP1A	Mx	-.01	1.25
76	MP1A	X	13.676	3.25
77	MP1A	Z	-7.896	3.25
78	MP1A	Mx	-.01	3.25
79	MP1B	X	14.836	1.25
80	MP1B	Z	-8.566	1.25
81	MP1B	Mx	.012	1.25
82	MP1B	X	14.836	3.25
83	MP1B	Z	-8.566	3.25
84	MP1B	Mx	.012	3.25
85	MP1C	X	8.556	1.25
86	MP1C	Z	-4.94	1.25
87	MP1C	Mx	-.000646	1.25
88	MP1C	X	8.556	3.25
89	MP1C	Z	-4.94	3.25
90	MP1C	Mx	-.000646	3.25
91	MP5A	X	13.676	1.25
92	MP5A	Z	-7.896	1.25
93	MP5A	Mx	-.01	1.25
94	MP5A	X	13.676	3.25
95	MP5A	Z	-7.896	3.25
96	MP5A	Mx	-.01	3.25
97	MP5B	X	14.836	1.25
98	MP5B	Z	-8.566	1.25
99	MP5B	Mx	.012	1.25
100	MP5B	X	14.836	3.25
101	MP5B	Z	-8.566	3.25
102	MP5B	Mx	.012	3.25
103	MP5C	X	8.556	1.25
104	MP5C	Z	-4.94	1.25
105	MP5C	Mx	-.000646	1.25
106	MP5C	X	8.556	3.25
107	MP5C	Z	-4.94	3.25
108	MP5C	Mx	-.000646	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	7.018	1.25
2	MP4A	Z	0	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP4A	Mx	-.005	1.25
4	MP4A	X	7.018	3.25
5	MP4A	Z	0	3.25
6	MP4A	Mx	-.005	3.25
7	MP4B	X	13.347	1.25
8	MP4B	Z	0	1.25
9	MP4B	Mx	.006	1.25
10	MP4B	X	13.347	3.25
11	MP4B	Z	0	3.25
12	MP4B	Mx	.006	3.25
13	MP4C	X	14.765	1.25
14	MP4C	Z	0	1.25
15	MP4C	Mx	.005	1.25
16	MP4C	X	14.765	3.25
17	MP4C	Z	0	3.25
18	MP4C	Mx	.005	3.25
19	MP3A	X	12.491	5.17
20	MP3A	Z	0	5.17
21	MP3A	Mx	.004	5.17
22	MP3B	X	12.491	5.17
23	MP3B	Z	0	5.17
24	MP3B	Mx	.004	5.17
25	MP3C	X	12.491	5.17
26	MP3C	Z	0	5.17
27	MP3C	Mx	.004	5.17
28	MP2A	X	11.964	4.83
29	MP2A	Z	0	4.83
30	MP2A	Mx	.003	4.83
31	MP2B	X	11.964	4.83
32	MP2B	Z	0	4.83
33	MP2B	Mx	.003	4.83
34	MP2C	X	11.964	4.83
35	MP2C	Z	0	4.83
36	MP2C	Mx	.003	4.83
37	MP3A	X	19.233	2.17
38	MP3A	Z	0	2.17
39	MP3A	Mx	-.014	2.17
40	MP3A	X	19.233	6.17
41	MP3A	Z	0	6.17
42	MP3A	Mx	-.014	6.17
43	MP3B	X	25.026	2.17
44	MP3B	Z	0	2.17
45	MP3B	Mx	-.003	2.17
46	MP3B	X	25.026	6.17
47	MP3B	Z	0	6.17
48	MP3B	Mx	-.003	6.17
49	MP3C	X	26.325	2.17
50	MP3C	Z	0	2.17
51	MP3C	Mx	.024	2.17
52	MP3C	X	26.325	6.17
53	MP3C	Z	0	6.17
54	MP3C	Mx	.024	6.17
55	MP3A	X	19.233	2.17
56	MP3A	Z	0	2.17
57	MP3A	Mx	-.014	2.17
58	MP3A	X	19.233	6.17
59	MP3A	Z	0	6.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP3A	Mx	-.014	6.17
61	MP3B	X	25.026	2.17
62	MP3B	Z	0	2.17
63	MP3B	Mx	.024	2.17
64	MP3B	X	25.026	6.17
65	MP3B	Z	0	6.17
66	MP3B	Mx	.024	6.17
67	MP3C	X	26.325	2.17
68	MP3C	Z	0	2.17
69	MP3C	Mx	-.008	2.17
70	MP3C	X	26.325	6.17
71	MP3C	Z	0	6.17
72	MP3C	Mx	-.008	6.17
73	MP1A	X	18.655	1.25
74	MP1A	Z	0	1.25
75	MP1A	Mx	-.014	1.25
76	MP1A	X	18.655	3.25
77	MP1A	Z	0	3.25
78	MP1A	Mx	-.014	3.25
79	MP1B	X	12.744	1.25
80	MP1B	Z	0	1.25
81	MP1B	Mx	.005	1.25
82	MP1B	X	12.744	3.25
83	MP1B	Z	0	3.25
84	MP1B	Mx	.005	3.25
85	MP1C	X	11.404	1.25
86	MP1C	Z	0	1.25
87	MP1C	Mx	.004	1.25
88	MP1C	X	11.404	3.25
89	MP1C	Z	0	3.25
90	MP1C	Mx	.004	3.25
91	MP5A	X	18.655	1.25
92	MP5A	Z	0	1.25
93	MP5A	Mx	-.014	1.25
94	MP5A	X	18.655	3.25
95	MP5A	Z	0	3.25
96	MP5A	Mx	-.014	3.25
97	MP5B	X	12.744	1.25
98	MP5B	Z	0	1.25
99	MP5B	Mx	.005	1.25
100	MP5B	X	12.744	3.25
101	MP5B	Z	0	3.25
102	MP5B	Mx	.005	3.25
103	MP5C	X	11.404	1.25
104	MP5C	Z	0	1.25
105	MP5C	Mx	.004	1.25
106	MP5C	X	11.404	3.25
107	MP5C	Z	0	3.25
108	MP5C	Mx	.004	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	8.12	1.25
2	MP4A	Z	4.688	1.25
3	MP4A	Mx	-.006	1.25
4	MP4A	X	8.12	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP4A	Z	4.688	3.25
6	MP4A	Mx	-.006	3.25
7	MP4B	X	14.184	1.25
8	MP4B	Z	8.189	1.25
9	MP4B	Mx	.001	1.25
10	MP4B	X	14.184	3.25
11	MP4B	Z	8.189	3.25
12	MP4B	Mx	.001	3.25
13	MP4C	X	8.765	1.25
14	MP4C	Z	5.061	1.25
15	MP4C	Mx	.006	1.25
16	MP4C	X	8.765	3.25
17	MP4C	Z	5.061	3.25
18	MP4C	Mx	.006	3.25
19	MP3A	X	11.991	5.17
20	MP3A	Z	6.923	5.17
21	MP3A	Mx	.000603	5.17
22	MP3B	X	11.991	5.17
23	MP3B	Z	6.923	5.17
24	MP3B	Mx	.000603	5.17
25	MP3C	X	11.991	5.17
26	MP3C	Z	6.923	5.17
27	MP3C	Mx	.000603	5.17
28	MP2A	X	11.981	4.83
29	MP2A	Z	6.917	4.83
30	MP2A	Mx	.000603	4.83
31	MP2B	X	11.981	4.83
32	MP2B	Z	6.917	4.83
33	MP2B	Mx	.000603	4.83
34	MP2C	X	11.981	4.83
35	MP2C	Z	6.917	4.83
36	MP2C	Mx	.000603	4.83
37	MP3A	X	18.526	2.17
38	MP3A	Z	10.696	2.17
39	MP3A	Mx	-.007	2.17
40	MP3A	X	18.526	6.17
41	MP3A	Z	10.696	6.17
42	MP3A	Mx	-.007	6.17
43	MP3B	X	24.076	2.17
44	MP3B	Z	13.9	2.17
45	MP3B	Mx	-.017	2.17
46	MP3B	X	24.076	6.17
47	MP3B	Z	13.9	6.17
48	MP3B	Mx	-.017	6.17
49	MP3C	X	19.116	2.17
50	MP3C	Z	11.037	2.17
51	MP3C	Mx	.022	2.17
52	MP3C	X	19.116	6.17
53	MP3C	Z	11.037	6.17
54	MP3C	Mx	.022	6.17
55	MP3A	X	18.526	2.17
56	MP3A	Z	10.696	2.17
57	MP3A	Mx	-.021	2.17
58	MP3A	X	18.526	6.17
59	MP3A	Z	10.696	6.17
60	MP3A	Mx	-.021	6.17
61	MP3B	X	24.076	2.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
62	MP3B	Z	13.9	2.17
63	MP3B	Mx	.02	2.17
64	MP3B	X	24.076	6.17
65	MP3B	Z	13.9	6.17
66	MP3B	Mx	.02	6.17
67	MP3C	X	19.116	2.17
68	MP3C	Z	11.037	2.17
69	MP3C	Mx	.005	2.17
70	MP3C	X	19.116	6.17
71	MP3C	Z	11.037	6.17
72	MP3C	Mx	.005	6.17
73	MP1A	X	14.836	1.25
74	MP1A	Z	8.566	1.25
75	MP1A	Mx	-.012	1.25
76	MP1A	X	14.836	3.25
77	MP1A	Z	8.566	3.25
78	MP1A	Mx	-.012	3.25
79	MP1B	X	8.556	1.25
80	MP1B	Z	4.94	1.25
81	MP1B	Mx	.000646	1.25
82	MP1B	X	8.556	3.25
83	MP1B	Z	4.94	3.25
84	MP1B	Mx	.000646	3.25
85	MP1C	X	13.676	1.25
86	MP1C	Z	7.896	1.25
87	MP1C	Mx	.01	1.25
88	MP1C	X	13.676	3.25
89	MP1C	Z	7.896	3.25
90	MP1C	Mx	.01	3.25
91	MP5A	X	14.836	1.25
92	MP5A	Z	8.566	1.25
93	MP5A	Mx	-.012	1.25
94	MP5A	X	14.836	3.25
95	MP5A	Z	8.566	3.25
96	MP5A	Mx	-.012	3.25
97	MP5B	X	8.556	1.25
98	MP5B	Z	4.94	1.25
99	MP5B	Mx	.000646	1.25
100	MP5B	X	8.556	3.25
101	MP5B	Z	4.94	3.25
102	MP5B	Mx	.000646	3.25
103	MP5C	X	13.676	1.25
104	MP5C	Z	7.896	1.25
105	MP5C	Mx	.01	1.25
106	MP5C	X	13.676	3.25
107	MP5C	Z	7.896	3.25
108	MP5C	Mx	.01	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	7.046	1.25
2	MP4A	Z	12.204	1.25
3	MP4A	Mx	-.005	1.25
4	MP4A	X	7.046	3.25
5	MP4A	Z	12.204	3.25
6	MP4A	Mx	-.005	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP4B	X	7.382	1.25
8	MP4B	Z	12.787	1.25
9	MP4B	Mx	-.005	1.25
10	MP4B	X	7.382	3.25
11	MP4B	Z	12.787	3.25
12	MP4B	Mx	-.005	3.25
13	MP4C	X	3.545	1.25
14	MP4C	Z	6.14	1.25
15	MP4C	Mx	.005	1.25
16	MP4C	X	3.545	3.25
17	MP4C	Z	6.14	3.25
18	MP4C	Mx	.005	3.25
19	MP3A	X	6.563	5.17
20	MP3A	Z	11.367	5.17
21	MP3A	Mx	-.003	5.17
22	MP3B	X	6.563	5.17
23	MP3B	Z	11.367	5.17
24	MP3B	Mx	-.003	5.17
25	MP3C	X	6.563	5.17
26	MP3C	Z	11.367	5.17
27	MP3C	Mx	-.003	5.17
28	MP2A	X	6.42	4.83
29	MP2A	Z	11.119	4.83
30	MP2A	Mx	-.003	4.83
31	MP2B	X	6.42	4.83
32	MP2B	Z	11.119	4.83
33	MP2B	Mx	-.003	4.83
34	MP2C	X	6.42	4.83
35	MP2C	Z	11.119	4.83
36	MP2C	Mx	-.003	4.83
37	MP3A	X	12.854	2.17
38	MP3A	Z	22.264	2.17
39	MP3A	Mx	.005	2.17
40	MP3A	X	12.854	6.17
41	MP3A	Z	22.264	6.17
42	MP3A	Mx	.005	6.17
43	MP3B	X	13.162	2.17
44	MP3B	Z	22.798	2.17
45	MP3B	Mx	-.024	2.17
46	MP3B	X	13.162	6.17
47	MP3B	Z	22.798	6.17
48	MP3B	Mx	-.024	6.17
49	MP3C	X	9.65	2.17
50	MP3C	Z	16.713	2.17
51	MP3C	Mx	.016	2.17
52	MP3C	X	9.65	6.17
53	MP3C	Z	16.713	6.17
54	MP3C	Mx	.016	6.17
55	MP3A	X	12.854	2.17
56	MP3A	Z	22.264	2.17
57	MP3A	Mx	-.024	2.17
58	MP3A	X	12.854	6.17
59	MP3A	Z	22.264	6.17
60	MP3A	Mx	-.024	6.17
61	MP3B	X	13.162	2.17
62	MP3B	Z	22.798	2.17
63	MP3B	Mx	.008	2.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	MP3B	X	13.162	6.17
65	MP3B	Z	22.798	6.17
66	MP3B	Mx	.008	6.17
67	MP3C	X	9.65	2.17
68	MP3C	Z	16.713	2.17
69	MP3C	Mx	.013	2.17
70	MP3C	X	9.65	6.17
71	MP3C	Z	16.713	6.17
72	MP3C	Mx	.013	6.17
73	MP1A	X	6.372	1.25
74	MP1A	Z	11.036	1.25
75	MP1A	Mx	-.005	1.25
76	MP1A	X	6.372	3.25
77	MP1A	Z	11.036	3.25
78	MP1A	Mx	-.005	3.25
79	MP1B	X	5.702	1.25
80	MP1B	Z	9.876	1.25
81	MP1B	Mx	-.004	1.25
82	MP1B	X	5.702	3.25
83	MP1B	Z	9.876	3.25
84	MP1B	Mx	-.004	3.25
85	MP1C	X	9.328	1.25
86	MP1C	Z	16.156	1.25
87	MP1C	Mx	.014	1.25
88	MP1C	X	9.328	3.25
89	MP1C	Z	16.156	3.25
90	MP1C	Mx	.014	3.25
91	MP5A	X	6.372	1.25
92	MP5A	Z	11.036	1.25
93	MP5A	Mx	-.005	1.25
94	MP5A	X	6.372	3.25
95	MP5A	Z	11.036	3.25
96	MP5A	Mx	-.005	3.25
97	MP5B	X	5.702	1.25
98	MP5B	Z	9.876	1.25
99	MP5B	Mx	-.004	1.25
100	MP5B	X	5.702	3.25
101	MP5B	Z	9.876	3.25
102	MP5B	Mx	-.004	3.25
103	MP5C	X	9.328	1.25
104	MP5C	Z	16.156	1.25
105	MP5C	Mx	.014	1.25
106	MP5C	X	9.328	3.25
107	MP5C	Z	16.156	3.25
108	MP5C	Mx	.014	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	1.25
2	MP4A	Z	16.449	1.25
3	MP4A	Mx	0	1.25
4	MP4A	X	0	3.25
5	MP4A	Z	16.449	3.25
6	MP4A	Mx	0	3.25
7	MP4B	X	0	1.25
8	MP4B	Z	10.121	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP4B	Mx	-.006	1.25
10	MP4B	X	0	3.25
11	MP4B	Z	10.121	3.25
12	MP4B	Mx	-.006	3.25
13	MP4C	X	0	1.25
14	MP4C	Z	8.703	1.25
15	MP4C	Mx	.006	1.25
16	MP4C	X	0	3.25
17	MP4C	Z	8.703	3.25
18	MP4C	Mx	.006	3.25
19	MP3A	X	0	5.17
20	MP3A	Z	11.049	5.17
21	MP3A	Mx	-.005	5.17
22	MP3B	X	0	5.17
23	MP3B	Z	11.049	5.17
24	MP3B	Mx	-.005	5.17
25	MP3C	X	0	5.17
26	MP3C	Z	11.049	5.17
27	MP3C	Mx	-.005	5.17
28	MP2A	X	0	4.83
29	MP2A	Z	9.973	4.83
30	MP2A	Mx	-.004	4.83
31	MP2B	X	0	4.83
32	MP2B	Z	9.973	4.83
33	MP2B	Mx	-.004	4.83
34	MP2C	X	0	4.83
35	MP2C	Z	9.973	4.83
36	MP2C	Mx	-.004	4.83
37	MP3A	X	0	2.17
38	MP3A	Z	27.867	2.17
39	MP3A	Mx	.019	2.17
40	MP3A	X	0	6.17
41	MP3A	Z	27.867	6.17
42	MP3A	Mx	.019	6.17
43	MP3B	X	0	2.17
44	MP3B	Z	22.074	2.17
45	MP3B	Mx	-.022	2.17
46	MP3B	X	0	6.17
47	MP3B	Z	22.074	6.17
48	MP3B	Mx	-.022	6.17
49	MP3C	X	0	2.17
50	MP3C	Z	20.775	2.17
51	MP3C	Mx	.008	2.17
52	MP3C	X	0	6.17
53	MP3C	Z	20.775	6.17
54	MP3C	Mx	.008	6.17
55	MP3A	X	0	2.17
56	MP3A	Z	27.867	2.17
57	MP3A	Mx	-.019	2.17
58	MP3A	X	0	6.17
59	MP3A	Z	27.867	6.17
60	MP3A	Mx	-.019	6.17
61	MP3B	X	0	2.17
62	MP3B	Z	22.074	2.17
63	MP3B	Mx	-.005	2.17
64	MP3B	X	0	6.17
65	MP3B	Z	22.074	6.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP3B	Mx	-.005	6.17
67	MP3C	X	0	2.17
68	MP3C	Z	20.775	2.17
69	MP3C	Mx	.02	2.17
70	MP3C	X	0	6.17
71	MP3C	Z	20.775	6.17
72	MP3C	Mx	.02	6.17
73	MP1A	X	0	1.25
74	MP1A	Z	9.88	1.25
75	MP1A	Mx	-.000646	1.25
76	MP1A	X	0	3.25
77	MP1A	Z	9.88	3.25
78	MP1A	Mx	-.000646	3.25
79	MP1B	X	0	1.25
80	MP1B	Z	15.791	1.25
81	MP1B	Mx	-.01	1.25
82	MP1B	X	0	3.25
83	MP1B	Z	15.791	3.25
84	MP1B	Mx	-.01	3.25
85	MP1C	X	0	1.25
86	MP1C	Z	17.131	1.25
87	MP1C	Mx	.012	1.25
88	MP1C	X	0	3.25
89	MP1C	Z	17.131	3.25
90	MP1C	Mx	.012	3.25
91	MP5A	X	0	1.25
92	MP5A	Z	9.88	1.25
93	MP5A	Mx	-.000646	1.25
94	MP5A	X	0	3.25
95	MP5A	Z	9.88	3.25
96	MP5A	Mx	-.000646	3.25
97	MP5B	X	0	1.25
98	MP5B	Z	15.791	1.25
99	MP5B	Mx	-.01	1.25
100	MP5B	X	0	3.25
101	MP5B	Z	15.791	3.25
102	MP5B	Mx	-.01	3.25
103	MP5C	X	0	1.25
104	MP5C	Z	17.131	1.25
105	MP5C	Mx	.012	1.25
106	MP5C	X	0	3.25
107	MP5C	Z	17.131	3.25
108	MP5C	Mx	.012	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-7.046	1.25
2	MP4A	Z	12.204	1.25
3	MP4A	Mx	.005	1.25
4	MP4A	X	-7.046	3.25
5	MP4A	Z	12.204	3.25
6	MP4A	Mx	.005	3.25
7	MP4B	X	-3.545	1.25
8	MP4B	Z	6.14	1.25
9	MP4B	Mx	-.005	1.25
10	MP4B	X	-3.545	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP4B	Z	6.14	3.25
12	MP4B	Mx	-.005	3.25
13	MP4C	X	-6.673	1.25
14	MP4C	Z	11.559	1.25
15	MP4C	Mx	.006	1.25
16	MP4C	X	-6.673	3.25
17	MP4C	Z	11.559	3.25
18	MP4C	Mx	.006	3.25
19	MP3A	X	-4.847	5.17
20	MP3A	Z	8.395	5.17
21	MP3A	Mx	-.005	5.17
22	MP3B	X	-4.847	5.17
23	MP3B	Z	8.395	5.17
24	MP3B	Mx	-.005	5.17
25	MP3C	X	-4.847	5.17
26	MP3C	Z	8.395	5.17
27	MP3C	Mx	-.005	5.17
28	MP2A	X	-4.052	4.83
29	MP2A	Z	7.017	4.83
30	MP2A	Mx	-.004	4.83
31	MP2B	X	-4.052	4.83
32	MP2B	Z	7.017	4.83
33	MP2B	Mx	-.004	4.83
34	MP2C	X	-4.052	4.83
35	MP2C	Z	7.017	4.83
36	MP2C	Mx	-.004	4.83
37	MP3A	X	-12.854	2.17
38	MP3A	Z	22.264	2.17
39	MP3A	Mx	.024	2.17
40	MP3A	X	-12.854	6.17
41	MP3A	Z	22.264	6.17
42	MP3A	Mx	.024	6.17
43	MP3B	X	-9.65	2.17
44	MP3B	Z	16.713	2.17
45	MP3B	Mx	-.016	2.17
46	MP3B	X	-9.65	6.17
47	MP3B	Z	16.713	6.17
48	MP3B	Mx	-.016	6.17
49	MP3C	X	-12.513	2.17
50	MP3C	Z	21.673	2.17
51	MP3C	Mx	-.003	2.17
52	MP3C	X	-12.513	6.17
53	MP3C	Z	21.673	6.17
54	MP3C	Mx	-.003	6.17
55	MP3A	X	-12.854	2.17
56	MP3A	Z	22.264	2.17
57	MP3A	Mx	-.005	2.17
58	MP3A	X	-12.854	6.17
59	MP3A	Z	22.264	6.17
60	MP3A	Mx	-.005	6.17
61	MP3B	X	-9.65	2.17
62	MP3B	Z	16.713	2.17
63	MP3B	Mx	-.013	2.17
64	MP3B	X	-9.65	6.17
65	MP3B	Z	16.713	6.17
66	MP3B	Mx	-.013	6.17
67	MP3C	X	-12.513	2.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP3C	Z	21.673	2.17
69	MP3C	Mx	.024	2.17
70	MP3C	X	-12.513	6.17
71	MP3C	Z	21.673	6.17
72	MP3C	Mx	.024	6.17
73	MP1A	X	-5.702	1.25
74	MP1A	Z	9.876	1.25
75	MP1A	Mx	.004	1.25
76	MP1A	X	-5.702	3.25
77	MP1A	Z	9.876	3.25
78	MP1A	Mx	.004	3.25
79	MP1B	X	-9.328	1.25
80	MP1B	Z	16.156	1.25
81	MP1B	Mx	-.014	1.25
82	MP1B	X	-9.328	3.25
83	MP1B	Z	16.156	3.25
84	MP1B	Mx	-.014	3.25
85	MP1C	X	-6.372	1.25
86	MP1C	Z	11.036	1.25
87	MP1C	Mx	.005	1.25
88	MP1C	X	-6.372	3.25
89	MP1C	Z	11.036	3.25
90	MP1C	Mx	.005	3.25
91	MP5A	X	-5.702	1.25
92	MP5A	Z	9.876	1.25
93	MP5A	Mx	.004	1.25
94	MP5A	X	-5.702	3.25
95	MP5A	Z	9.876	3.25
96	MP5A	Mx	.004	3.25
97	MP5B	X	-9.328	1.25
98	MP5B	Z	16.156	1.25
99	MP5B	Mx	-.014	1.25
100	MP5B	X	-9.328	3.25
101	MP5B	Z	16.156	3.25
102	MP5B	Mx	-.014	3.25
103	MP5C	X	-6.372	1.25
104	MP5C	Z	11.036	1.25
105	MP5C	Mx	.005	1.25
106	MP5C	X	-6.372	3.25
107	MP5C	Z	11.036	3.25
108	MP5C	Mx	.005	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-8.12	1.25
2	MP4A	Z	4.688	1.25
3	MP4A	Mx	.006	1.25
4	MP4A	X	-8.12	3.25
5	MP4A	Z	4.688	3.25
6	MP4A	Mx	.006	3.25
7	MP4B	X	-7.537	1.25
8	MP4B	Z	4.351	1.25
9	MP4B	Mx	-.006	1.25
10	MP4B	X	-7.537	3.25
11	MP4B	Z	4.351	3.25
12	MP4B	Mx	-.006	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP4C	X	-14.184	1.25
14	MP4C	Z	8.189	1.25
15	MP4C	Mx	.001	1.25
16	MP4C	X	-14.184	3.25
17	MP4C	Z	8.189	3.25
18	MP4C	Mx	.001	3.25
19	MP3A	X	-9.019	5.17
20	MP3A	Z	5.207	5.17
21	MP3A	Mx	-.005	5.17
22	MP3B	X	-9.019	5.17
23	MP3B	Z	5.207	5.17
24	MP3B	Mx	-.005	5.17
25	MP3C	X	-9.019	5.17
26	MP3C	Z	5.207	5.17
27	MP3C	Mx	-.005	5.17
28	MP2A	X	-7.879	4.83
29	MP2A	Z	4.549	4.83
30	MP2A	Mx	-.004	4.83
31	MP2B	X	-7.879	4.83
32	MP2B	Z	4.549	4.83
33	MP2B	Mx	-.004	4.83
34	MP2C	X	-7.879	4.83
35	MP2C	Z	4.549	4.83
36	MP2C	Mx	-.004	4.83
37	MP3A	X	-18.526	2.17
38	MP3A	Z	10.696	2.17
39	MP3A	Mx	.021	2.17
40	MP3A	X	-18.526	6.17
41	MP3A	Z	10.696	6.17
42	MP3A	Mx	.021	6.17
43	MP3B	X	-17.992	2.17
44	MP3B	Z	10.388	2.17
45	MP3B	Mx	-.008	2.17
46	MP3B	X	-17.992	6.17
47	MP3B	Z	10.388	6.17
48	MP3B	Mx	-.008	6.17
49	MP3C	X	-24.076	2.17
50	MP3C	Z	13.9	2.17
51	MP3C	Mx	-.017	2.17
52	MP3C	X	-24.076	6.17
53	MP3C	Z	13.9	6.17
54	MP3C	Mx	-.017	6.17
55	MP3A	X	-18.526	2.17
56	MP3A	Z	10.696	2.17
57	MP3A	Mx	.007	2.17
58	MP3A	X	-18.526	6.17
59	MP3A	Z	10.696	6.17
60	MP3A	Mx	.007	6.17
61	MP3B	X	-17.992	2.17
62	MP3B	Z	10.388	2.17
63	MP3B	Mx	-.02	2.17
64	MP3B	X	-17.992	6.17
65	MP3B	Z	10.388	6.17
66	MP3B	Mx	-.02	6.17
67	MP3C	X	-24.076	2.17
68	MP3C	Z	13.9	2.17
69	MP3C	Mx	.02	2.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
70	MP3C	X	-24.076	6.17
71	MP3C	Z	13.9	6.17
72	MP3C	Mx	.02	6.17
73	MP1A	X	-13.676	1.25
74	MP1A	Z	7.896	1.25
75	MP1A	Mx	.01	1.25
76	MP1A	X	-13.676	3.25
77	MP1A	Z	7.896	3.25
78	MP1A	Mx	.01	3.25
79	MP1B	X	-14.836	1.25
80	MP1B	Z	8.566	1.25
81	MP1B	Mx	-.012	1.25
82	MP1B	X	-14.836	3.25
83	MP1B	Z	8.566	3.25
84	MP1B	Mx	-.012	3.25
85	MP1C	X	-8.556	1.25
86	MP1C	Z	4.94	1.25
87	MP1C	Mx	.000646	1.25
88	MP1C	X	-8.556	3.25
89	MP1C	Z	4.94	3.25
90	MP1C	Mx	.000646	3.25
91	MP5A	X	-13.676	1.25
92	MP5A	Z	7.896	1.25
93	MP5A	Mx	.01	1.25
94	MP5A	X	-13.676	3.25
95	MP5A	Z	7.896	3.25
96	MP5A	Mx	.01	3.25
97	MP5B	X	-14.836	1.25
98	MP5B	Z	8.566	1.25
99	MP5B	Mx	-.012	1.25
100	MP5B	X	-14.836	3.25
101	MP5B	Z	8.566	3.25
102	MP5B	Mx	-.012	3.25
103	MP5C	X	-8.556	1.25
104	MP5C	Z	4.94	1.25
105	MP5C	Mx	.000646	1.25
106	MP5C	X	-8.556	3.25
107	MP5C	Z	4.94	3.25
108	MP5C	Mx	.000646	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-7.018	1.25
2	MP4A	Z	0	1.25
3	MP4A	Mx	.005	1.25
4	MP4A	X	-7.018	3.25
5	MP4A	Z	0	3.25
6	MP4A	Mx	.005	3.25
7	MP4B	X	-13.347	1.25
8	MP4B	Z	0	1.25
9	MP4B	Mx	-.006	1.25
10	MP4B	X	-13.347	3.25
11	MP4B	Z	0	3.25
12	MP4B	Mx	-.006	3.25
13	MP4C	X	-14.765	1.25
14	MP4C	Z	0	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP4C	Mx	-.005	1.25
16	MP4C	X	-14.765	3.25
17	MP4C	Z	0	3.25
18	MP4C	Mx	-.005	3.25
19	MP3A	X	-12.491	5.17
20	MP3A	Z	0	5.17
21	MP3A	Mx	-.004	5.17
22	MP3B	X	-12.491	5.17
23	MP3B	Z	0	5.17
24	MP3B	Mx	-.004	5.17
25	MP3C	X	-12.491	5.17
26	MP3C	Z	0	5.17
27	MP3C	Mx	-.004	5.17
28	MP2A	X	-11.964	4.83
29	MP2A	Z	0	4.83
30	MP2A	Mx	-.003	4.83
31	MP2B	X	-11.964	4.83
32	MP2B	Z	0	4.83
33	MP2B	Mx	-.003	4.83
34	MP2C	X	-11.964	4.83
35	MP2C	Z	0	4.83
36	MP2C	Mx	-.003	4.83
37	MP3A	X	-19.233	2.17
38	MP3A	Z	0	2.17
39	MP3A	Mx	.014	2.17
40	MP3A	X	-19.233	6.17
41	MP3A	Z	0	6.17
42	MP3A	Mx	.014	6.17
43	MP3B	X	-25.026	2.17
44	MP3B	Z	0	2.17
45	MP3B	Mx	.003	2.17
46	MP3B	X	-25.026	6.17
47	MP3B	Z	0	6.17
48	MP3B	Mx	.003	6.17
49	MP3C	X	-26.325	2.17
50	MP3C	Z	0	2.17
51	MP3C	Mx	-.024	2.17
52	MP3C	X	-26.325	6.17
53	MP3C	Z	0	6.17
54	MP3C	Mx	-.024	6.17
55	MP3A	X	-19.233	2.17
56	MP3A	Z	0	2.17
57	MP3A	Mx	.014	2.17
58	MP3A	X	-19.233	6.17
59	MP3A	Z	0	6.17
60	MP3A	Mx	.014	6.17
61	MP3B	X	-25.026	2.17
62	MP3B	Z	0	2.17
63	MP3B	Mx	-.024	2.17
64	MP3B	X	-25.026	6.17
65	MP3B	Z	0	6.17
66	MP3B	Mx	-.024	6.17
67	MP3C	X	-26.325	2.17
68	MP3C	Z	0	2.17
69	MP3C	Mx	.008	2.17
70	MP3C	X	-26.325	6.17
71	MP3C	Z	0	6.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP3C	Mx	.008	6.17
73	MP1A	X	-18.655	1.25
74	MP1A	Z	0	1.25
75	MP1A	Mx	.014	1.25
76	MP1A	X	-18.655	3.25
77	MP1A	Z	0	3.25
78	MP1A	Mx	.014	3.25
79	MP1B	X	-12.744	1.25
80	MP1B	Z	0	1.25
81	MP1B	Mx	-.005	1.25
82	MP1B	X	-12.744	3.25
83	MP1B	Z	0	3.25
84	MP1B	Mx	-.005	3.25
85	MP1C	X	-11.404	1.25
86	MP1C	Z	0	1.25
87	MP1C	Mx	-.004	1.25
88	MP1C	X	-11.404	3.25
89	MP1C	Z	0	3.25
90	MP1C	Mx	-.004	3.25
91	MP5A	X	-18.655	1.25
92	MP5A	Z	0	1.25
93	MP5A	Mx	.014	1.25
94	MP5A	X	-18.655	3.25
95	MP5A	Z	0	3.25
96	MP5A	Mx	.014	3.25
97	MP5B	X	-12.744	1.25
98	MP5B	Z	0	1.25
99	MP5B	Mx	-.005	1.25
100	MP5B	X	-12.744	3.25
101	MP5B	Z	0	3.25
102	MP5B	Mx	-.005	3.25
103	MP5C	X	-11.404	1.25
104	MP5C	Z	0	1.25
105	MP5C	Mx	-.004	1.25
106	MP5C	X	-11.404	3.25
107	MP5C	Z	0	3.25
108	MP5C	Mx	-.004	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-8.12	1.25
2	MP4A	Z	-4.688	1.25
3	MP4A	Mx	.006	1.25
4	MP4A	X	-8.12	3.25
5	MP4A	Z	-4.688	3.25
6	MP4A	Mx	.006	3.25
7	MP4B	X	-14.184	1.25
8	MP4B	Z	-8.189	1.25
9	MP4B	Mx	-.001	1.25
10	MP4B	X	-14.184	3.25
11	MP4B	Z	-8.189	3.25
12	MP4B	Mx	-.001	3.25
13	MP4C	X	-8.765	1.25
14	MP4C	Z	-5.061	1.25
15	MP4C	Mx	-.006	1.25
16	MP4C	X	-8.765	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP4C	Z	-5.061	3.25
18	MP4C	Mx	-.006	3.25
19	MP3A	X	-11.991	5.17
20	MP3A	Z	-6.923	5.17
21	MP3A	Mx	-.000603	5.17
22	MP3B	X	-11.991	5.17
23	MP3B	Z	-6.923	5.17
24	MP3B	Mx	-.000603	5.17
25	MP3C	X	-11.991	5.17
26	MP3C	Z	-6.923	5.17
27	MP3C	Mx	-.000603	5.17
28	MP2A	X	-11.981	4.83
29	MP2A	Z	-6.917	4.83
30	MP2A	Mx	-.000603	4.83
31	MP2B	X	-11.981	4.83
32	MP2B	Z	-6.917	4.83
33	MP2B	Mx	-.000603	4.83
34	MP2C	X	-11.981	4.83
35	MP2C	Z	-6.917	4.83
36	MP2C	Mx	-.000603	4.83
37	MP3A	X	-18.526	2.17
38	MP3A	Z	-10.696	2.17
39	MP3A	Mx	.007	2.17
40	MP3A	X	-18.526	6.17
41	MP3A	Z	-10.696	6.17
42	MP3A	Mx	.007	6.17
43	MP3B	X	-24.076	2.17
44	MP3B	Z	-13.9	2.17
45	MP3B	Mx	.017	2.17
46	MP3B	X	-24.076	6.17
47	MP3B	Z	-13.9	6.17
48	MP3B	Mx	.017	6.17
49	MP3C	X	-19.116	2.17
50	MP3C	Z	-11.037	2.17
51	MP3C	Mx	-.022	2.17
52	MP3C	X	-19.116	6.17
53	MP3C	Z	-11.037	6.17
54	MP3C	Mx	-.022	6.17
55	MP3A	X	-18.526	2.17
56	MP3A	Z	-10.696	2.17
57	MP3A	Mx	.021	2.17
58	MP3A	X	-18.526	6.17
59	MP3A	Z	-10.696	6.17
60	MP3A	Mx	.021	6.17
61	MP3B	X	-24.076	2.17
62	MP3B	Z	-13.9	2.17
63	MP3B	Mx	-.02	2.17
64	MP3B	X	-24.076	6.17
65	MP3B	Z	-13.9	6.17
66	MP3B	Mx	-.02	6.17
67	MP3C	X	-19.116	2.17
68	MP3C	Z	-11.037	2.17
69	MP3C	Mx	-.005	2.17
70	MP3C	X	-19.116	6.17
71	MP3C	Z	-11.037	6.17
72	MP3C	Mx	-.005	6.17
73	MP1A	X	-14.836	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP1A	Z	-8.566	1.25
75	MP1A	Mx	.012	1.25
76	MP1A	X	-14.836	3.25
77	MP1A	Z	-8.566	3.25
78	MP1A	Mx	.012	3.25
79	MP1B	X	-8.556	1.25
80	MP1B	Z	-4.94	1.25
81	MP1B	Mx	-.000646	1.25
82	MP1B	X	-8.556	3.25
83	MP1B	Z	-4.94	3.25
84	MP1B	Mx	-.000646	3.25
85	MP1C	X	-13.676	1.25
86	MP1C	Z	-7.896	1.25
87	MP1C	Mx	-.01	1.25
88	MP1C	X	-13.676	3.25
89	MP1C	Z	-7.896	3.25
90	MP1C	Mx	-.01	3.25
91	MP5A	X	-14.836	1.25
92	MP5A	Z	-8.566	1.25
93	MP5A	Mx	.012	1.25
94	MP5A	X	-14.836	3.25
95	MP5A	Z	-8.566	3.25
96	MP5A	Mx	.012	3.25
97	MP5B	X	-8.556	1.25
98	MP5B	Z	-4.94	1.25
99	MP5B	Mx	-.000646	1.25
100	MP5B	X	-8.556	3.25
101	MP5B	Z	-4.94	3.25
102	MP5B	Mx	-.000646	3.25
103	MP5C	X	-13.676	1.25
104	MP5C	Z	-7.896	1.25
105	MP5C	Mx	-.01	1.25
106	MP5C	X	-13.676	3.25
107	MP5C	Z	-7.896	3.25
108	MP5C	Mx	-.01	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-7.046	1.25
2	MP4A	Z	-12.204	1.25
3	MP4A	Mx	.005	1.25
4	MP4A	X	-7.046	3.25
5	MP4A	Z	-12.204	3.25
6	MP4A	Mx	.005	3.25
7	MP4B	X	-7.382	1.25
8	MP4B	Z	-12.787	1.25
9	MP4B	Mx	.005	1.25
10	MP4B	X	-7.382	3.25
11	MP4B	Z	-12.787	3.25
12	MP4B	Mx	.005	3.25
13	MP4C	X	-3.545	1.25
14	MP4C	Z	-6.14	1.25
15	MP4C	Mx	-.005	1.25
16	MP4C	X	-3.545	3.25
17	MP4C	Z	-6.14	3.25
18	MP4C	Mx	-.005	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP3A	X	-6.563	5.17
20	MP3A	Z	-11.367	5.17
21	MP3A	Mx	.003	5.17
22	MP3B	X	-6.563	5.17
23	MP3B	Z	-11.367	5.17
24	MP3B	Mx	.003	5.17
25	MP3C	X	-6.563	5.17
26	MP3C	Z	-11.367	5.17
27	MP3C	Mx	.003	5.17
28	MP2A	X	-6.42	4.83
29	MP2A	Z	-11.119	4.83
30	MP2A	Mx	.003	4.83
31	MP2B	X	-6.42	4.83
32	MP2B	Z	-11.119	4.83
33	MP2B	Mx	.003	4.83
34	MP2C	X	-6.42	4.83
35	MP2C	Z	-11.119	4.83
36	MP2C	Mx	.003	4.83
37	MP3A	X	-12.854	2.17
38	MP3A	Z	-22.264	2.17
39	MP3A	Mx	-.005	2.17
40	MP3A	X	-12.854	6.17
41	MP3A	Z	-22.264	6.17
42	MP3A	Mx	-.005	6.17
43	MP3B	X	-13.162	2.17
44	MP3B	Z	-22.798	2.17
45	MP3B	Mx	.024	2.17
46	MP3B	X	-13.162	6.17
47	MP3B	Z	-22.798	6.17
48	MP3B	Mx	.024	6.17
49	MP3C	X	-9.65	2.17
50	MP3C	Z	-16.713	2.17
51	MP3C	Mx	-.016	2.17
52	MP3C	X	-9.65	6.17
53	MP3C	Z	-16.713	6.17
54	MP3C	Mx	-.016	6.17
55	MP3A	X	-12.854	2.17
56	MP3A	Z	-22.264	2.17
57	MP3A	Mx	.024	2.17
58	MP3A	X	-12.854	6.17
59	MP3A	Z	-22.264	6.17
60	MP3A	Mx	.024	6.17
61	MP3B	X	-13.162	2.17
62	MP3B	Z	-22.798	2.17
63	MP3B	Mx	-.008	2.17
64	MP3B	X	-13.162	6.17
65	MP3B	Z	-22.798	6.17
66	MP3B	Mx	-.008	6.17
67	MP3C	X	-9.65	2.17
68	MP3C	Z	-16.713	2.17
69	MP3C	Mx	-.013	2.17
70	MP3C	X	-9.65	6.17
71	MP3C	Z	-16.713	6.17
72	MP3C	Mx	-.013	6.17
73	MP1A	X	-6.372	1.25
74	MP1A	Z	-11.036	1.25
75	MP1A	Mx	.005	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
76	MP1A	X	-6.372	3.25
77	MP1A	Z	-11.036	3.25
78	MP1A	Mx	.005	3.25
79	MP1B	X	-5.702	1.25
80	MP1B	Z	-9.876	1.25
81	MP1B	Mx	.004	1.25
82	MP1B	X	-5.702	3.25
83	MP1B	Z	-9.876	3.25
84	MP1B	Mx	.004	3.25
85	MP1C	X	-9.328	1.25
86	MP1C	Z	-16.156	1.25
87	MP1C	Mx	-.014	1.25
88	MP1C	X	-9.328	3.25
89	MP1C	Z	-16.156	3.25
90	MP1C	Mx	-.014	3.25
91	MP5A	X	-6.372	1.25
92	MP5A	Z	-11.036	1.25
93	MP5A	Mx	.005	1.25
94	MP5A	X	-6.372	3.25
95	MP5A	Z	-11.036	3.25
96	MP5A	Mx	.005	3.25
97	MP5B	X	-5.702	1.25
98	MP5B	Z	-9.876	1.25
99	MP5B	Mx	.004	1.25
100	MP5B	X	-5.702	3.25
101	MP5B	Z	-9.876	3.25
102	MP5B	Mx	.004	3.25
103	MP5C	X	-9.328	1.25
104	MP5C	Z	-16.156	1.25
105	MP5C	Mx	-.014	1.25
106	MP5C	X	-9.328	3.25
107	MP5C	Z	-16.156	3.25
108	MP5C	Mx	-.014	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	1.25
2	MP4A	Z	-5.23	1.25
3	MP4A	Mx	0	1.25
4	MP4A	X	0	3.25
5	MP4A	Z	-5.23	3.25
6	MP4A	Mx	0	3.25
7	MP4B	X	0	1.25
8	MP4B	Z	-3.094	1.25
9	MP4B	Mx	.002	1.25
10	MP4B	X	0	3.25
11	MP4B	Z	-3.094	3.25
12	MP4B	Mx	.002	3.25
13	MP4C	X	0	1.25
14	MP4C	Z	-2.616	1.25
15	MP4C	Mx	-.002	1.25
16	MP4C	X	0	3.25
17	MP4C	Z	-2.616	3.25
18	MP4C	Mx	-.002	3.25
19	MP3A	X	0	5.17
20	MP3A	Z	-3.236	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP3A	Mx	.001	5.17
22	MP3B	X	0	5.17
23	MP3B	Z	-3.236	5.17
24	MP3B	Mx	.001	5.17
25	MP3C	X	0	5.17
26	MP3C	Z	-3.236	5.17
27	MP3C	Mx	.001	5.17
28	MP2A	X	0	4.83
29	MP2A	Z	-2.881	4.83
30	MP2A	Mx	.001	4.83
31	MP2B	X	0	4.83
32	MP2B	Z	-2.881	4.83
33	MP2B	Mx	.001	4.83
34	MP2C	X	0	4.83
35	MP2C	Z	-2.881	4.83
36	MP2C	Mx	.001	4.83
37	MP3A	X	0	2.17
38	MP3A	Z	-9.08	2.17
39	MP3A	Mx	-.006	2.17
40	MP3A	X	0	6.17
41	MP3A	Z	-9.08	6.17
42	MP3A	Mx	-.006	6.17
43	MP3B	X	0	2.17
44	MP3B	Z	-7.016	2.17
45	MP3B	Mx	.007	2.17
46	MP3B	X	0	6.17
47	MP3B	Z	-7.016	6.17
48	MP3B	Mx	.007	6.17
49	MP3C	X	0	2.17
50	MP3C	Z	-6.554	2.17
51	MP3C	Mx	-.003	2.17
52	MP3C	X	0	6.17
53	MP3C	Z	-6.554	6.17
54	MP3C	Mx	-.003	6.17
55	MP3A	X	0	2.17
56	MP3A	Z	-9.08	2.17
57	MP3A	Mx	.006	2.17
58	MP3A	X	0	6.17
59	MP3A	Z	-9.08	6.17
60	MP3A	Mx	.006	6.17
61	MP3B	X	0	2.17
62	MP3B	Z	-7.016	2.17
63	MP3B	Mx	.002	2.17
64	MP3B	X	0	6.17
65	MP3B	Z	-7.016	6.17
66	MP3B	Mx	.002	6.17
67	MP3C	X	0	2.17
68	MP3C	Z	-6.554	2.17
69	MP3C	Mx	-.006	2.17
70	MP3C	X	0	6.17
71	MP3C	Z	-6.554	6.17
72	MP3C	Mx	-.006	6.17
73	MP1A	X	0	1.25
74	MP1A	Z	-2.928	1.25
75	MP1A	Mx	.000191	1.25
76	MP1A	X	0	3.25
77	MP1A	Z	-2.928	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP1A	Mx	.000191	3.25
79	MP1B	X	0	1.25
80	MP1B	Z	-4.987	1.25
81	MP1B	Mx	.003	1.25
82	MP1B	X	0	3.25
83	MP1B	Z	-4.987	3.25
84	MP1B	Mx	.003	3.25
85	MP1C	X	0	1.25
86	MP1C	Z	-5.453	1.25
87	MP1C	Mx	-.004	1.25
88	MP1C	X	0	3.25
89	MP1C	Z	-5.453	3.25
90	MP1C	Mx	-.004	3.25
91	MP5A	X	0	1.25
92	MP5A	Z	-2.928	1.25
93	MP5A	Mx	.000191	1.25
94	MP5A	X	0	3.25
95	MP5A	Z	-2.928	3.25
96	MP5A	Mx	.000191	3.25
97	MP5B	X	0	1.25
98	MP5B	Z	-4.987	1.25
99	MP5B	Mx	.003	1.25
100	MP5B	X	0	3.25
101	MP5B	Z	-4.987	3.25
102	MP5B	Mx	.003	3.25
103	MP5C	X	0	1.25
104	MP5C	Z	-5.453	1.25
105	MP5C	Mx	-.004	1.25
106	MP5C	X	0	3.25
107	MP5C	Z	-5.453	3.25
108	MP5C	Mx	-.004	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	2.217	1.25
2	MP4A	Z	-3.84	1.25
3	MP4A	Mx	-.002	1.25
4	MP4A	X	2.217	3.25
5	MP4A	Z	-3.84	3.25
6	MP4A	Mx	-.002	3.25
7	MP4B	X	1.036	1.25
8	MP4B	Z	-1.794	1.25
9	MP4B	Mx	.002	1.25
10	MP4B	X	1.036	3.25
11	MP4B	Z	-1.794	3.25
12	MP4B	Mx	.002	3.25
13	MP4C	X	2.091	1.25
14	MP4C	Z	-3.623	1.25
15	MP4C	Mx	-.002	1.25
16	MP4C	X	2.091	3.25
17	MP4C	Z	-3.623	3.25
18	MP4C	Mx	-.002	3.25
19	MP3A	X	1.396	5.17
20	MP3A	Z	-2.418	5.17
21	MP3A	Mx	.001	5.17
22	MP3B	X	1.396	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP3B	Z	-2.418	5.17
24	MP3B	Mx	.001	5.17
25	MP3C	X	1.396	5.17
26	MP3C	Z	-2.418	5.17
27	MP3C	Mx	.001	5.17
28	MP2A	X	1.134	4.83
29	MP2A	Z	-1.964	4.83
30	MP2A	Mx	.001	4.83
31	MP2B	X	1.134	4.83
32	MP2B	Z	-1.964	4.83
33	MP2B	Mx	.001	4.83
34	MP2C	X	1.134	4.83
35	MP2C	Z	-1.964	4.83
36	MP2C	Mx	.001	4.83
37	MP3A	X	4.156	2.17
38	MP3A	Z	-7.198	2.17
39	MP3A	Mx	-.008	2.17
40	MP3A	X	4.156	6.17
41	MP3A	Z	-7.198	6.17
42	MP3A	Mx	-.008	6.17
43	MP3B	X	3.014	2.17
44	MP3B	Z	-5.22	2.17
45	MP3B	Mx	.005	2.17
46	MP3B	X	3.014	6.17
47	MP3B	Z	-5.22	6.17
48	MP3B	Mx	.005	6.17
49	MP3C	X	4.034	2.17
50	MP3C	Z	-6.987	2.17
51	MP3C	Mx	.000935	2.17
52	MP3C	X	4.034	6.17
53	MP3C	Z	-6.987	6.17
54	MP3C	Mx	.000935	6.17
55	MP3A	X	4.156	2.17
56	MP3A	Z	-7.198	2.17
57	MP3A	Mx	.002	2.17
58	MP3A	X	4.156	6.17
59	MP3A	Z	-7.198	6.17
60	MP3A	Mx	.002	6.17
61	MP3B	X	3.014	2.17
62	MP3B	Z	-5.22	2.17
63	MP3B	Mx	.004	2.17
64	MP3B	X	3.014	6.17
65	MP3B	Z	-5.22	6.17
66	MP3B	Mx	.004	6.17
67	MP3C	X	4.034	2.17
68	MP3C	Z	-6.987	2.17
69	MP3C	Mx	-.008	2.17
70	MP3C	X	4.034	6.17
71	MP3C	Z	-6.987	6.17
72	MP3C	Mx	-.008	6.17
73	MP1A	X	1.729	1.25
74	MP1A	Z	-2.995	1.25
75	MP1A	Mx	-.001	1.25
76	MP1A	X	1.729	3.25
77	MP1A	Z	-2.995	3.25
78	MP1A	Mx	-.001	3.25
79	MP1B	X	2.992	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP1B	Z	-5.182	1.25
81	MP1B	Mx	.004	1.25
82	MP1B	X	2.992	3.25
83	MP1B	Z	-5.182	3.25
84	MP1B	Mx	.004	3.25
85	MP1C	X	1.963	1.25
86	MP1C	Z	-3.399	1.25
87	MP1C	Mx	-.002	1.25
88	MP1C	X	1.963	3.25
89	MP1C	Z	-3.399	3.25
90	MP1C	Mx	-.002	3.25
91	MP5A	X	1.729	1.25
92	MP5A	Z	-2.995	1.25
93	MP5A	Mx	-.001	1.25
94	MP5A	X	1.729	3.25
95	MP5A	Z	-2.995	3.25
96	MP5A	Mx	-.001	3.25
97	MP5B	X	2.992	1.25
98	MP5B	Z	-5.182	1.25
99	MP5B	Mx	.004	1.25
100	MP5B	X	2.992	3.25
101	MP5B	Z	-5.182	3.25
102	MP5B	Mx	.004	3.25
103	MP5C	X	1.963	1.25
104	MP5C	Z	-3.399	1.25
105	MP5C	Mx	-.002	1.25
106	MP5C	X	1.963	3.25
107	MP5C	Z	-3.399	3.25
108	MP5C	Mx	-.002	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	2.462	1.25
2	MP4A	Z	-1.422	1.25
3	MP4A	Mx	-.002	1.25
4	MP4A	X	2.462	3.25
5	MP4A	Z	-1.422	3.25
6	MP4A	Mx	-.002	3.25
7	MP4B	X	2.265	1.25
8	MP4B	Z	-1.308	1.25
9	MP4B	Mx	.002	1.25
10	MP4B	X	2.265	3.25
11	MP4B	Z	-1.308	3.25
12	MP4B	Mx	.002	3.25
13	MP4C	X	4.508	1.25
14	MP4C	Z	-2.603	1.25
15	MP4C	Mx	-.00034	1.25
16	MP4C	X	4.508	3.25
17	MP4C	Z	-2.603	3.25
18	MP4C	Mx	-.00034	3.25
19	MP3A	X	2.623	5.17
20	MP3A	Z	-1.514	5.17
21	MP3A	Mx	.001	5.17
22	MP3B	X	2.623	5.17
23	MP3B	Z	-1.514	5.17
24	MP3B	Mx	.001	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP3C	X	2.623	5.17
26	MP3C	Z	-1.514	5.17
27	MP3C	Mx	.001	5.17
28	MP2A	X	2.247	4.83
29	MP2A	Z	-1.297	4.83
30	MP2A	Mx	.001	4.83
31	MP2B	X	2.247	4.83
32	MP2B	Z	-1.297	4.83
33	MP2B	Mx	.001	4.83
34	MP2C	X	2.247	4.83
35	MP2C	Z	-1.297	4.83
36	MP2C	Mx	.001	4.83
37	MP3A	X	5.866	2.17
38	MP3A	Z	-3.387	2.17
39	MP3A	Mx	-.007	2.17
40	MP3A	X	5.866	6.17
41	MP3A	Z	-3.387	6.17
42	MP3A	Mx	-.007	6.17
43	MP3B	X	5.676	2.17
44	MP3B	Z	-3.277	2.17
45	MP3B	Mx	.003	2.17
46	MP3B	X	5.676	6.17
47	MP3B	Z	-3.277	6.17
48	MP3B	Mx	.003	6.17
49	MP3C	X	7.843	2.17
50	MP3C	Z	-4.528	2.17
51	MP3C	Mx	.005	2.17
52	MP3C	X	7.843	6.17
53	MP3C	Z	-4.528	6.17
54	MP3C	Mx	.005	6.17
55	MP3A	X	5.866	2.17
56	MP3A	Z	-3.387	2.17
57	MP3A	Mx	-.002	2.17
58	MP3A	X	5.866	6.17
59	MP3A	Z	-3.387	6.17
60	MP3A	Mx	-.002	6.17
61	MP3B	X	5.676	2.17
62	MP3B	Z	-3.277	2.17
63	MP3B	Mx	.006	2.17
64	MP3B	X	5.676	6.17
65	MP3B	Z	-3.277	6.17
66	MP3B	Mx	.006	6.17
67	MP3C	X	7.843	2.17
68	MP3C	Z	-4.528	2.17
69	MP3C	Mx	-.007	2.17
70	MP3C	X	7.843	6.17
71	MP3C	Z	-4.528	6.17
72	MP3C	Mx	-.007	6.17
73	MP1A	X	4.319	1.25
74	MP1A	Z	-2.493	1.25
75	MP1A	Mx	-.003	1.25
76	MP1A	X	4.319	3.25
77	MP1A	Z	-2.493	3.25
78	MP1A	Mx	-.003	3.25
79	MP1B	X	4.723	1.25
80	MP1B	Z	-2.727	1.25
81	MP1B	Mx	.004	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP1B	X	4.723	3.25
83	MP1B	Z	-2.727	3.25
84	MP1B	Mx	.004	3.25
85	MP1C	X	2.536	1.25
86	MP1C	Z	-1.464	1.25
87	MP1C	Mx	-.000191	1.25
88	MP1C	X	2.536	3.25
89	MP1C	Z	-1.464	3.25
90	MP1C	Mx	-.000191	3.25
91	MP5A	X	4.319	1.25
92	MP5A	Z	-2.493	1.25
93	MP5A	Mx	-.003	1.25
94	MP5A	X	4.319	3.25
95	MP5A	Z	-2.493	3.25
96	MP5A	Mx	-.003	3.25
97	MP5B	X	4.723	1.25
98	MP5B	Z	-2.727	1.25
99	MP5B	Mx	.004	1.25
100	MP5B	X	4.723	3.25
101	MP5B	Z	-2.727	3.25
102	MP5B	Mx	.004	3.25
103	MP5C	X	2.536	1.25
104	MP5C	Z	-1.464	1.25
105	MP5C	Mx	-.000191	1.25
106	MP5C	X	2.536	3.25
107	MP5C	Z	-1.464	3.25
108	MP5C	Mx	-.000191	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	2.048	1.25
2	MP4A	Z	0	1.25
3	MP4A	Mx	-.002	1.25
4	MP4A	X	2.048	3.25
5	MP4A	Z	0	3.25
6	MP4A	Mx	-.002	3.25
7	MP4B	X	4.183	1.25
8	MP4B	Z	0	1.25
9	MP4B	Mx	.002	1.25
10	MP4B	X	4.183	3.25
11	MP4B	Z	0	3.25
12	MP4B	Mx	.002	3.25
13	MP4C	X	4.662	1.25
14	MP4C	Z	0	1.25
15	MP4C	Mx	.001	1.25
16	MP4C	X	4.662	3.25
17	MP4C	Z	0	3.25
18	MP4C	Mx	.001	3.25
19	MP3A	X	3.708	5.17
20	MP3A	Z	0	5.17
21	MP3A	Mx	.001	5.17
22	MP3B	X	3.708	5.17
23	MP3B	Z	0	5.17
24	MP3B	Mx	.001	5.17
25	MP3C	X	3.708	5.17
26	MP3C	Z	0	5.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP3C	Mx	.001	5.17
28	MP2A	X	3.534	4.83
29	MP2A	Z	0	4.83
30	MP2A	Mx	.001	4.83
31	MP2B	X	3.534	4.83
32	MP2B	Z	0	4.83
33	MP2B	Mx	.001	4.83
34	MP2C	X	3.534	4.83
35	MP2C	Z	0	4.83
36	MP2C	Mx	.001	4.83
37	MP3A	X	6.005	2.17
38	MP3A	Z	0	2.17
39	MP3A	Mx	-.005	2.17
40	MP3A	X	6.005	6.17
41	MP3A	Z	0	6.17
42	MP3A	Mx	-.005	6.17
43	MP3B	X	8.068	2.17
44	MP3B	Z	0	2.17
45	MP3B	Mx	-.000935	2.17
46	MP3B	X	8.068	6.17
47	MP3B	Z	0	6.17
48	MP3B	Mx	-.000935	6.17
49	MP3C	X	8.531	2.17
50	MP3C	Z	0	2.17
51	MP3C	Mx	.008	2.17
52	MP3C	X	8.531	6.17
53	MP3C	Z	0	6.17
54	MP3C	Mx	.008	6.17
55	MP3A	X	6.005	2.17
56	MP3A	Z	0	2.17
57	MP3A	Mx	-.005	2.17
58	MP3A	X	6.005	6.17
59	MP3A	Z	0	6.17
60	MP3A	Mx	-.005	6.17
61	MP3B	X	8.068	2.17
62	MP3B	Z	0	2.17
63	MP3B	Mx	.008	2.17
64	MP3B	X	8.068	6.17
65	MP3B	Z	0	6.17
66	MP3B	Mx	.008	6.17
67	MP3C	X	8.531	2.17
68	MP3C	Z	0	2.17
69	MP3C	Mx	-.002	2.17
70	MP3C	X	8.531	6.17
71	MP3C	Z	0	6.17
72	MP3C	Mx	-.002	6.17
73	MP1A	X	5.984	1.25
74	MP1A	Z	0	1.25
75	MP1A	Mx	-.004	1.25
76	MP1A	X	5.984	3.25
77	MP1A	Z	0	3.25
78	MP1A	Mx	-.004	3.25
79	MP1B	X	3.925	1.25
80	MP1B	Z	0	1.25
81	MP1B	Mx	.002	1.25
82	MP1B	X	3.925	3.25
83	MP1B	Z	0	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	MP1B	Mx	.002	3.25
85	MP1C	X	3.459	1.25
86	MP1C	Z	0	1.25
87	MP1C	Mx	.001	1.25
88	MP1C	X	3.459	3.25
89	MP1C	Z	0	3.25
90	MP1C	Mx	.001	3.25
91	MP5A	X	5.984	1.25
92	MP5A	Z	0	1.25
93	MP5A	Mx	-.004	1.25
94	MP5A	X	5.984	3.25
95	MP5A	Z	0	3.25
96	MP5A	Mx	-.004	3.25
97	MP5B	X	3.925	1.25
98	MP5B	Z	0	1.25
99	MP5B	Mx	.002	1.25
100	MP5B	X	3.925	3.25
101	MP5B	Z	0	3.25
102	MP5B	Mx	.002	3.25
103	MP5C	X	3.459	1.25
104	MP5C	Z	0	1.25
105	MP5C	Mx	.001	1.25
106	MP5C	X	3.459	3.25
107	MP5C	Z	0	3.25
108	MP5C	Mx	.001	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	2.462	1.25
2	MP4A	Z	1.422	1.25
3	MP4A	Mx	-.002	1.25
4	MP4A	X	2.462	3.25
5	MP4A	Z	1.422	3.25
6	MP4A	Mx	-.002	3.25
7	MP4B	X	4.508	1.25
8	MP4B	Z	2.603	1.25
9	MP4B	Mx	.00034	1.25
10	MP4B	X	4.508	3.25
11	MP4B	Z	2.603	3.25
12	MP4B	Mx	.00034	3.25
13	MP4C	X	2.68	1.25
14	MP4C	Z	1.547	1.25
15	MP4C	Mx	.002	1.25
16	MP4C	X	2.68	3.25
17	MP4C	Z	1.547	3.25
18	MP4C	Mx	.002	3.25
19	MP3A	X	3.595	5.17
20	MP3A	Z	2.076	5.17
21	MP3A	Mx	.000181	5.17
22	MP3B	X	3.595	5.17
23	MP3B	Z	2.076	5.17
24	MP3B	Mx	.000181	5.17
25	MP3C	X	3.595	5.17
26	MP3C	Z	2.076	5.17
27	MP3C	Mx	.000181	5.17
28	MP2A	X	3.592	4.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2A	Z	2.074	4.83
30	MP2A	Mx	.000181	4.83
31	MP2B	X	3.592	4.83
32	MP2B	Z	2.074	4.83
33	MP2B	Mx	.000181	4.83
34	MP2C	X	3.592	4.83
35	MP2C	Z	2.074	4.83
36	MP2C	Mx	.000181	4.83
37	MP3A	X	5.866	2.17
38	MP3A	Z	3.387	2.17
39	MP3A	Mx	-.002	2.17
40	MP3A	X	5.866	6.17
41	MP3A	Z	3.387	6.17
42	MP3A	Mx	-.002	6.17
43	MP3B	X	7.843	2.17
44	MP3B	Z	4.528	2.17
45	MP3B	Mx	-.005	2.17
46	MP3B	X	7.843	6.17
47	MP3B	Z	4.528	6.17
48	MP3B	Mx	-.005	6.17
49	MP3C	X	6.076	2.17
50	MP3C	Z	3.508	2.17
51	MP3C	Mx	.007	2.17
52	MP3C	X	6.076	6.17
53	MP3C	Z	3.508	6.17
54	MP3C	Mx	.007	6.17
55	MP3A	X	5.866	2.17
56	MP3A	Z	3.387	2.17
57	MP3A	Mx	-.007	2.17
58	MP3A	X	5.866	6.17
59	MP3A	Z	3.387	6.17
60	MP3A	Mx	-.007	6.17
61	MP3B	X	7.843	2.17
62	MP3B	Z	4.528	2.17
63	MP3B	Mx	.007	2.17
64	MP3B	X	7.843	6.17
65	MP3B	Z	4.528	6.17
66	MP3B	Mx	.007	6.17
67	MP3C	X	6.076	2.17
68	MP3C	Z	3.508	2.17
69	MP3C	Mx	.002	2.17
70	MP3C	X	6.076	6.17
71	MP3C	Z	3.508	6.17
72	MP3C	Mx	.002	6.17
73	MP1A	X	4.723	1.25
74	MP1A	Z	2.727	1.25
75	MP1A	Mx	-.004	1.25
76	MP1A	X	4.723	3.25
77	MP1A	Z	2.727	3.25
78	MP1A	Mx	-.004	3.25
79	MP1B	X	2.536	1.25
80	MP1B	Z	1.464	1.25
81	MP1B	Mx	.000192	1.25
82	MP1B	X	2.536	3.25
83	MP1B	Z	1.464	3.25
84	MP1B	Mx	.000192	3.25
85	MP1C	X	4.319	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP1C	Z	2.493	1.25
87	MP1C	Mx	.003	1.25
88	MP1C	X	4.319	3.25
89	MP1C	Z	2.493	3.25
90	MP1C	Mx	.003	3.25
91	MP5A	X	4.723	1.25
92	MP5A	Z	2.727	1.25
93	MP5A	Mx	-.004	1.25
94	MP5A	X	4.723	3.25
95	MP5A	Z	2.727	3.25
96	MP5A	Mx	-.004	3.25
97	MP5B	X	2.536	1.25
98	MP5B	Z	1.464	1.25
99	MP5B	Mx	.000192	1.25
100	MP5B	X	2.536	3.25
101	MP5B	Z	1.464	3.25
102	MP5B	Mx	.000192	3.25
103	MP5C	X	4.319	1.25
104	MP5C	Z	2.493	1.25
105	MP5C	Mx	.003	1.25
106	MP5C	X	4.319	3.25
107	MP5C	Z	2.493	3.25
108	MP5C	Mx	.003	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	2.217	1.25
2	MP4A	Z	3.84	1.25
3	MP4A	Mx	-.002	1.25
4	MP4A	X	2.217	3.25
5	MP4A	Z	3.84	3.25
6	MP4A	Mx	-.002	3.25
7	MP4B	X	2.331	1.25
8	MP4B	Z	4.037	1.25
9	MP4B	Mx	-.001	1.25
10	MP4B	X	2.331	3.25
11	MP4B	Z	4.037	3.25
12	MP4B	Mx	-.001	3.25
13	MP4C	X	1.036	1.25
14	MP4C	Z	1.794	1.25
15	MP4C	Mx	.002	1.25
16	MP4C	X	1.036	3.25
17	MP4C	Z	1.794	3.25
18	MP4C	Mx	.002	3.25
19	MP3A	X	1.958	5.17
20	MP3A	Z	3.391	5.17
21	MP3A	Mx	-.000827	5.17
22	MP3B	X	1.958	5.17
23	MP3B	Z	3.391	5.17
24	MP3B	Mx	-.000827	5.17
25	MP3C	X	1.958	5.17
26	MP3C	Z	3.391	5.17
27	MP3C	Mx	-.000827	5.17
28	MP2A	X	1.91	4.83
29	MP2A	Z	3.309	4.83
30	MP2A	Mx	-.000808	4.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP2B	X	1.91	4.83
32	MP2B	Z	3.309	4.83
33	MP2B	Mx	-.000808	4.83
34	MP2C	X	1.91	4.83
35	MP2C	Z	3.309	4.83
36	MP2C	Mx	-.000808	4.83
37	MP3A	X	4.156	2.17
38	MP3A	Z	7.198	2.17
39	MP3A	Mx	.002	2.17
40	MP3A	X	4.156	6.17
41	MP3A	Z	7.198	6.17
42	MP3A	Mx	.002	6.17
43	MP3B	X	4.265	2.17
44	MP3B	Z	7.388	2.17
45	MP3B	Mx	-.008	2.17
46	MP3B	X	4.265	6.17
47	MP3B	Z	7.388	6.17
48	MP3B	Mx	-.008	6.17
49	MP3C	X	3.014	2.17
50	MP3C	Z	5.22	2.17
51	MP3C	Mx	.005	2.17
52	MP3C	X	3.014	6.17
53	MP3C	Z	5.22	6.17
54	MP3C	Mx	.005	6.17
55	MP3A	X	4.156	2.17
56	MP3A	Z	7.198	2.17
57	MP3A	Mx	-.008	2.17
58	MP3A	X	4.156	6.17
59	MP3A	Z	7.198	6.17
60	MP3A	Mx	-.008	6.17
61	MP3B	X	4.265	2.17
62	MP3B	Z	7.388	2.17
63	MP3B	Mx	.002	2.17
64	MP3B	X	4.265	6.17
65	MP3B	Z	7.388	6.17
66	MP3B	Mx	.002	6.17
67	MP3C	X	3.014	2.17
68	MP3C	Z	5.22	2.17
69	MP3C	Mx	.004	2.17
70	MP3C	X	3.014	6.17
71	MP3C	Z	5.22	6.17
72	MP3C	Mx	.004	6.17
73	MP1A	X	1.963	1.25
74	MP1A	Z	3.399	1.25
75	MP1A	Mx	-.002	1.25
76	MP1A	X	1.963	3.25
77	MP1A	Z	3.399	3.25
78	MP1A	Mx	-.002	3.25
79	MP1B	X	1.729	1.25
80	MP1B	Z	2.995	1.25
81	MP1B	Mx	-.001	1.25
82	MP1B	X	1.729	3.25
83	MP1B	Z	2.995	3.25
84	MP1B	Mx	-.001	3.25
85	MP1C	X	2.992	1.25
86	MP1C	Z	5.182	1.25
87	MP1C	Mx	.004	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP1C	X	2.992	3.25
89	MP1C	Z	5.182	3.25
90	MP1C	Mx	.004	3.25
91	MP5A	X	1.963	1.25
92	MP5A	Z	3.399	1.25
93	MP5A	Mx	-.002	1.25
94	MP5A	X	1.963	3.25
95	MP5A	Z	3.399	3.25
96	MP5A	Mx	-.002	3.25
97	MP5B	X	1.729	1.25
98	MP5B	Z	2.995	1.25
99	MP5B	Mx	-.001	1.25
100	MP5B	X	1.729	3.25
101	MP5B	Z	2.995	3.25
102	MP5B	Mx	-.001	3.25
103	MP5C	X	2.992	1.25
104	MP5C	Z	5.182	1.25
105	MP5C	Mx	.004	1.25
106	MP5C	X	2.992	3.25
107	MP5C	Z	5.182	3.25
108	MP5C	Mx	.004	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	1.25
2	MP4A	Z	5.23	1.25
3	MP4A	Mx	0	1.25
4	MP4A	X	0	3.25
5	MP4A	Z	5.23	3.25
6	MP4A	Mx	0	3.25
7	MP4B	X	0	1.25
8	MP4B	Z	3.094	1.25
9	MP4B	Mx	-.002	1.25
10	MP4B	X	0	3.25
11	MP4B	Z	3.094	3.25
12	MP4B	Mx	-.002	3.25
13	MP4C	X	0	1.25
14	MP4C	Z	2.616	1.25
15	MP4C	Mx	.002	1.25
16	MP4C	X	0	3.25
17	MP4C	Z	2.616	3.25
18	MP4C	Mx	.002	3.25
19	MP3A	X	0	5.17
20	MP3A	Z	3.236	5.17
21	MP3A	Mx	-.001	5.17
22	MP3B	X	0	5.17
23	MP3B	Z	3.236	5.17
24	MP3B	Mx	-.001	5.17
25	MP3C	X	0	5.17
26	MP3C	Z	3.236	5.17
27	MP3C	Mx	-.001	5.17
28	MP2A	X	0	4.83
29	MP2A	Z	2.881	4.83
30	MP2A	Mx	-.001	4.83
31	MP2B	X	0	4.83
32	MP2B	Z	2.881	4.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP2B	Mx	-.001	4.83
34	MP2C	X	0	4.83
35	MP2C	Z	2.881	4.83
36	MP2C	Mx	-.001	4.83
37	MP3A	X	0	2.17
38	MP3A	Z	9.08	2.17
39	MP3A	Mx	.006	2.17
40	MP3A	X	0	6.17
41	MP3A	Z	9.08	6.17
42	MP3A	Mx	.006	6.17
43	MP3B	X	0	2.17
44	MP3B	Z	7.016	2.17
45	MP3B	Mx	-.007	2.17
46	MP3B	X	0	6.17
47	MP3B	Z	7.016	6.17
48	MP3B	Mx	-.007	6.17
49	MP3C	X	0	2.17
50	MP3C	Z	6.554	2.17
51	MP3C	Mx	.003	2.17
52	MP3C	X	0	6.17
53	MP3C	Z	6.554	6.17
54	MP3C	Mx	.003	6.17
55	MP3A	X	0	2.17
56	MP3A	Z	9.08	2.17
57	MP3A	Mx	-.006	2.17
58	MP3A	X	0	6.17
59	MP3A	Z	9.08	6.17
60	MP3A	Mx	-.006	6.17
61	MP3B	X	0	2.17
62	MP3B	Z	7.016	2.17
63	MP3B	Mx	-.002	2.17
64	MP3B	X	0	6.17
65	MP3B	Z	7.016	6.17
66	MP3B	Mx	-.002	6.17
67	MP3C	X	0	2.17
68	MP3C	Z	6.554	2.17
69	MP3C	Mx	.006	2.17
70	MP3C	X	0	6.17
71	MP3C	Z	6.554	6.17
72	MP3C	Mx	.006	6.17
73	MP1A	X	0	1.25
74	MP1A	Z	2.928	1.25
75	MP1A	Mx	-.000191	1.25
76	MP1A	X	0	3.25
77	MP1A	Z	2.928	3.25
78	MP1A	Mx	-.000191	3.25
79	MP1B	X	0	1.25
80	MP1B	Z	4.987	1.25
81	MP1B	Mx	-.003	1.25
82	MP1B	X	0	3.25
83	MP1B	Z	4.987	3.25
84	MP1B	Mx	-.003	3.25
85	MP1C	X	0	1.25
86	MP1C	Z	5.453	1.25
87	MP1C	Mx	.004	1.25
88	MP1C	X	0	3.25
89	MP1C	Z	5.453	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP1C	Mx	.004	3.25
91	MP5A	X	0	1.25
92	MP5A	Z	2.928	1.25
93	MP5A	Mx	-.000191	1.25
94	MP5A	X	0	3.25
95	MP5A	Z	2.928	3.25
96	MP5A	Mx	-.000191	3.25
97	MP5B	X	0	1.25
98	MP5B	Z	4.987	1.25
99	MP5B	Mx	-.003	1.25
100	MP5B	X	0	3.25
101	MP5B	Z	4.987	3.25
102	MP5B	Mx	-.003	3.25
103	MP5C	X	0	1.25
104	MP5C	Z	5.453	1.25
105	MP5C	Mx	.004	1.25
106	MP5C	X	0	3.25
107	MP5C	Z	5.453	3.25
108	MP5C	Mx	.004	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-2.217	1.25
2	MP4A	Z	3.84	1.25
3	MP4A	Mx	.002	1.25
4	MP4A	X	-2.217	3.25
5	MP4A	Z	3.84	3.25
6	MP4A	Mx	.002	3.25
7	MP4B	X	-1.036	1.25
8	MP4B	Z	1.794	1.25
9	MP4B	Mx	-.002	1.25
10	MP4B	X	-1.036	3.25
11	MP4B	Z	1.794	3.25
12	MP4B	Mx	-.002	3.25
13	MP4C	X	-2.091	1.25
14	MP4C	Z	3.623	1.25
15	MP4C	Mx	.002	1.25
16	MP4C	X	-2.091	3.25
17	MP4C	Z	3.623	3.25
18	MP4C	Mx	.002	3.25
19	MP3A	X	-1.396	5.17
20	MP3A	Z	2.418	5.17
21	MP3A	Mx	-.001	5.17
22	MP3B	X	-1.396	5.17
23	MP3B	Z	2.418	5.17
24	MP3B	Mx	-.001	5.17
25	MP3C	X	-1.396	5.17
26	MP3C	Z	2.418	5.17
27	MP3C	Mx	-.001	5.17
28	MP2A	X	-1.134	4.83
29	MP2A	Z	1.964	4.83
30	MP2A	Mx	-.001	4.83
31	MP2B	X	-1.134	4.83
32	MP2B	Z	1.964	4.83
33	MP2B	Mx	-.001	4.83
34	MP2C	X	-1.134	4.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP2C	Z	1.964	4.83
36	MP2C	Mx	-.001	4.83
37	MP3A	X	-4.156	2.17
38	MP3A	Z	7.198	2.17
39	MP3A	Mx	.008	2.17
40	MP3A	X	-4.156	6.17
41	MP3A	Z	7.198	6.17
42	MP3A	Mx	.008	6.17
43	MP3B	X	-3.014	2.17
44	MP3B	Z	5.22	2.17
45	MP3B	Mx	-.005	2.17
46	MP3B	X	-3.014	6.17
47	MP3B	Z	5.22	6.17
48	MP3B	Mx	-.005	6.17
49	MP3C	X	-4.034	2.17
50	MP3C	Z	6.987	2.17
51	MP3C	Mx	-.000935	2.17
52	MP3C	X	-4.034	6.17
53	MP3C	Z	6.987	6.17
54	MP3C	Mx	-.000935	6.17
55	MP3A	X	-4.156	2.17
56	MP3A	Z	7.198	2.17
57	MP3A	Mx	-.002	2.17
58	MP3A	X	-4.156	6.17
59	MP3A	Z	7.198	6.17
60	MP3A	Mx	-.002	6.17
61	MP3B	X	-3.014	2.17
62	MP3B	Z	5.22	2.17
63	MP3B	Mx	-.004	2.17
64	MP3B	X	-3.014	6.17
65	MP3B	Z	5.22	6.17
66	MP3B	Mx	-.004	6.17
67	MP3C	X	-4.034	2.17
68	MP3C	Z	6.987	2.17
69	MP3C	Mx	.008	2.17
70	MP3C	X	-4.034	6.17
71	MP3C	Z	6.987	6.17
72	MP3C	Mx	.008	6.17
73	MP1A	X	-1.729	1.25
74	MP1A	Z	2.995	1.25
75	MP1A	Mx	.001	1.25
76	MP1A	X	-1.729	3.25
77	MP1A	Z	2.995	3.25
78	MP1A	Mx	.001	3.25
79	MP1B	X	-2.992	1.25
80	MP1B	Z	5.182	1.25
81	MP1B	Mx	-.004	1.25
82	MP1B	X	-2.992	3.25
83	MP1B	Z	5.182	3.25
84	MP1B	Mx	-.004	3.25
85	MP1C	X	-1.963	1.25
86	MP1C	Z	3.399	1.25
87	MP1C	Mx	.002	1.25
88	MP1C	X	-1.963	3.25
89	MP1C	Z	3.399	3.25
90	MP1C	Mx	.002	3.25
91	MP5A	X	-1.729	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	MP5A	Z	2.995	1.25
93	MP5A	Mx	.001	1.25
94	MP5A	X	-1.729	3.25
95	MP5A	Z	2.995	3.25
96	MP5A	Mx	.001	3.25
97	MP5B	X	-2.992	1.25
98	MP5B	Z	5.182	1.25
99	MP5B	Mx	-.004	1.25
100	MP5B	X	-2.992	3.25
101	MP5B	Z	5.182	3.25
102	MP5B	Mx	-.004	3.25
103	MP5C	X	-1.963	1.25
104	MP5C	Z	3.399	1.25
105	MP5C	Mx	.002	1.25
106	MP5C	X	-1.963	3.25
107	MP5C	Z	3.399	3.25
108	MP5C	Mx	.002	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-2.462	1.25
2	MP4A	Z	1.422	1.25
3	MP4A	Mx	.002	1.25
4	MP4A	X	-2.462	3.25
5	MP4A	Z	1.422	3.25
6	MP4A	Mx	.002	3.25
7	MP4B	X	-2.265	1.25
8	MP4B	Z	1.308	1.25
9	MP4B	Mx	-.002	1.25
10	MP4B	X	-2.265	3.25
11	MP4B	Z	1.308	3.25
12	MP4B	Mx	-.002	3.25
13	MP4C	X	-4.508	1.25
14	MP4C	Z	2.603	1.25
15	MP4C	Mx	.00034	1.25
16	MP4C	X	-4.508	3.25
17	MP4C	Z	2.603	3.25
18	MP4C	Mx	.00034	3.25
19	MP3A	X	-2.623	5.17
20	MP3A	Z	1.514	5.17
21	MP3A	Mx	-.001	5.17
22	MP3B	X	-2.623	5.17
23	MP3B	Z	1.514	5.17
24	MP3B	Mx	-.001	5.17
25	MP3C	X	-2.623	5.17
26	MP3C	Z	1.514	5.17
27	MP3C	Mx	-.001	5.17
28	MP2A	X	-2.247	4.83
29	MP2A	Z	1.297	4.83
30	MP2A	Mx	-.001	4.83
31	MP2B	X	-2.247	4.83
32	MP2B	Z	1.297	4.83
33	MP2B	Mx	-.001	4.83
34	MP2C	X	-2.247	4.83
35	MP2C	Z	1.297	4.83
36	MP2C	Mx	-.001	4.83

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP3A	X	-5.866	2.17
38	MP3A	Z	3.387	2.17
39	MP3A	Mx	.007	2.17
40	MP3A	X	-5.866	6.17
41	MP3A	Z	3.387	6.17
42	MP3A	Mx	.007	6.17
43	MP3B	X	-5.676	2.17
44	MP3B	Z	3.277	2.17
45	MP3B	Mx	-.003	2.17
46	MP3B	X	-5.676	6.17
47	MP3B	Z	3.277	6.17
48	MP3B	Mx	-.003	6.17
49	MP3C	X	-7.843	2.17
50	MP3C	Z	4.528	2.17
51	MP3C	Mx	-.005	2.17
52	MP3C	X	-7.843	6.17
53	MP3C	Z	4.528	6.17
54	MP3C	Mx	-.005	6.17
55	MP3A	X	-5.866	2.17
56	MP3A	Z	3.387	2.17
57	MP3A	Mx	.002	2.17
58	MP3A	X	-5.866	6.17
59	MP3A	Z	3.387	6.17
60	MP3A	Mx	.002	6.17
61	MP3B	X	-5.676	2.17
62	MP3B	Z	3.277	2.17
63	MP3B	Mx	-.006	2.17
64	MP3B	X	-5.676	6.17
65	MP3B	Z	3.277	6.17
66	MP3B	Mx	-.006	6.17
67	MP3C	X	-7.843	2.17
68	MP3C	Z	4.528	2.17
69	MP3C	Mx	.007	2.17
70	MP3C	X	-7.843	6.17
71	MP3C	Z	4.528	6.17
72	MP3C	Mx	.007	6.17
73	MP1A	X	-4.319	1.25
74	MP1A	Z	2.493	1.25
75	MP1A	Mx	.003	1.25
76	MP1A	X	-4.319	3.25
77	MP1A	Z	2.493	3.25
78	MP1A	Mx	.003	3.25
79	MP1B	X	-4.723	1.25
80	MP1B	Z	2.727	1.25
81	MP1B	Mx	-.004	1.25
82	MP1B	X	-4.723	3.25
83	MP1B	Z	2.727	3.25
84	MP1B	Mx	-.004	3.25
85	MP1C	X	-2.536	1.25
86	MP1C	Z	1.464	1.25
87	MP1C	Mx	.000191	1.25
88	MP1C	X	-2.536	3.25
89	MP1C	Z	1.464	3.25
90	MP1C	Mx	.000191	3.25
91	MP5A	X	-4.319	1.25
92	MP5A	Z	2.493	1.25
93	MP5A	Mx	.003	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
94	MP5A	X	-4.319	3.25
95	MP5A	Z	2.493	3.25
96	MP5A	Mx	.003	3.25
97	MP5B	X	-4.723	1.25
98	MP5B	Z	2.727	1.25
99	MP5B	Mx	-.004	1.25
100	MP5B	X	-4.723	3.25
101	MP5B	Z	2.727	3.25
102	MP5B	Mx	-.004	3.25
103	MP5C	X	-2.536	1.25
104	MP5C	Z	1.464	1.25
105	MP5C	Mx	.000191	1.25
106	MP5C	X	-2.536	3.25
107	MP5C	Z	1.464	3.25
108	MP5C	Mx	.000191	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-2.048	1.25
2	MP4A	Z	0	1.25
3	MP4A	Mx	.002	1.25
4	MP4A	X	-2.048	3.25
5	MP4A	Z	0	3.25
6	MP4A	Mx	.002	3.25
7	MP4B	X	-4.183	1.25
8	MP4B	Z	0	1.25
9	MP4B	Mx	-.002	1.25
10	MP4B	X	-4.183	3.25
11	MP4B	Z	0	3.25
12	MP4B	Mx	-.002	3.25
13	MP4C	X	-4.662	1.25
14	MP4C	Z	0	1.25
15	MP4C	Mx	-.001	1.25
16	MP4C	X	-4.662	3.25
17	MP4C	Z	0	3.25
18	MP4C	Mx	-.001	3.25
19	MP3A	X	-3.708	5.17
20	MP3A	Z	0	5.17
21	MP3A	Mx	-.001	5.17
22	MP3B	X	-3.708	5.17
23	MP3B	Z	0	5.17
24	MP3B	Mx	-.001	5.17
25	MP3C	X	-3.708	5.17
26	MP3C	Z	0	5.17
27	MP3C	Mx	-.001	5.17
28	MP2A	X	-3.534	4.83
29	MP2A	Z	0	4.83
30	MP2A	Mx	-.001	4.83
31	MP2B	X	-3.534	4.83
32	MP2B	Z	0	4.83
33	MP2B	Mx	-.001	4.83
34	MP2C	X	-3.534	4.83
35	MP2C	Z	0	4.83
36	MP2C	Mx	-.001	4.83
37	MP3A	X	-6.005	2.17
38	MP3A	Z	0	2.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	MP3A	Mx	.005	2.17
40	MP3A	X	-6.005	6.17
41	MP3A	Z	0	6.17
42	MP3A	Mx	.005	6.17
43	MP3B	X	-8.068	2.17
44	MP3B	Z	0	2.17
45	MP3B	Mx	.000935	2.17
46	MP3B	X	-8.068	6.17
47	MP3B	Z	0	6.17
48	MP3B	Mx	.000935	6.17
49	MP3C	X	-8.531	2.17
50	MP3C	Z	0	2.17
51	MP3C	Mx	-.008	2.17
52	MP3C	X	-8.531	6.17
53	MP3C	Z	0	6.17
54	MP3C	Mx	-.008	6.17
55	MP3A	X	-6.005	2.17
56	MP3A	Z	0	2.17
57	MP3A	Mx	.005	2.17
58	MP3A	X	-6.005	6.17
59	MP3A	Z	0	6.17
60	MP3A	Mx	.005	6.17
61	MP3B	X	-8.068	2.17
62	MP3B	Z	0	2.17
63	MP3B	Mx	-.008	2.17
64	MP3B	X	-8.068	6.17
65	MP3B	Z	0	6.17
66	MP3B	Mx	-.008	6.17
67	MP3C	X	-8.531	2.17
68	MP3C	Z	0	2.17
69	MP3C	Mx	.002	2.17
70	MP3C	X	-8.531	6.17
71	MP3C	Z	0	6.17
72	MP3C	Mx	.002	6.17
73	MP1A	X	-5.984	1.25
74	MP1A	Z	0	1.25
75	MP1A	Mx	.004	1.25
76	MP1A	X	-5.984	3.25
77	MP1A	Z	0	3.25
78	MP1A	Mx	.004	3.25
79	MP1B	X	-3.925	1.25
80	MP1B	Z	0	1.25
81	MP1B	Mx	-.002	1.25
82	MP1B	X	-3.925	3.25
83	MP1B	Z	0	3.25
84	MP1B	Mx	-.002	3.25
85	MP1C	X	-3.459	1.25
86	MP1C	Z	0	1.25
87	MP1C	Mx	-.001	1.25
88	MP1C	X	-3.459	3.25
89	MP1C	Z	0	3.25
90	MP1C	Mx	-.001	3.25
91	MP5A	X	-5.984	1.25
92	MP5A	Z	0	1.25
93	MP5A	Mx	.004	1.25
94	MP5A	X	-5.984	3.25
95	MP5A	Z	0	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
96	MP5A	Mx	.004	3.25
97	MP5B	X	-3.925	1.25
98	MP5B	Z	0	1.25
99	MP5B	Mx	-.002	1.25
100	MP5B	X	-3.925	3.25
101	MP5B	Z	0	3.25
102	MP5B	Mx	-.002	3.25
103	MP5C	X	-3.459	1.25
104	MP5C	Z	0	1.25
105	MP5C	Mx	-.001	1.25
106	MP5C	X	-3.459	3.25
107	MP5C	Z	0	3.25
108	MP5C	Mx	-.001	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-2.462	1.25
2	MP4A	Z	-1.422	1.25
3	MP4A	Mx	.002	1.25
4	MP4A	X	-2.462	3.25
5	MP4A	Z	-1.422	3.25
6	MP4A	Mx	.002	3.25
7	MP4B	X	-4.508	1.25
8	MP4B	Z	-2.603	1.25
9	MP4B	Mx	-.00034	1.25
10	MP4B	X	-4.508	3.25
11	MP4B	Z	-2.603	3.25
12	MP4B	Mx	-.00034	3.25
13	MP4C	X	-2.68	1.25
14	MP4C	Z	-1.547	1.25
15	MP4C	Mx	-.002	1.25
16	MP4C	X	-2.68	3.25
17	MP4C	Z	-1.547	3.25
18	MP4C	Mx	-.002	3.25
19	MP3A	X	-3.595	5.17
20	MP3A	Z	-2.076	5.17
21	MP3A	Mx	-.000181	5.17
22	MP3B	X	-3.595	5.17
23	MP3B	Z	-2.076	5.17
24	MP3B	Mx	-.000181	5.17
25	MP3C	X	-3.595	5.17
26	MP3C	Z	-2.076	5.17
27	MP3C	Mx	-.000181	5.17
28	MP2A	X	-3.592	4.83
29	MP2A	Z	-2.074	4.83
30	MP2A	Mx	-.000181	4.83
31	MP2B	X	-3.592	4.83
32	MP2B	Z	-2.074	4.83
33	MP2B	Mx	-.000181	4.83
34	MP2C	X	-3.592	4.83
35	MP2C	Z	-2.074	4.83
36	MP2C	Mx	-.000181	4.83
37	MP3A	X	-5.866	2.17
38	MP3A	Z	-3.387	2.17
39	MP3A	Mx	.002	2.17
40	MP3A	X	-5.866	6.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP3A	Z	-3.387	6.17
42	MP3A	Mx	.002	6.17
43	MP3B	X	-7.843	2.17
44	MP3B	Z	-4.528	2.17
45	MP3B	Mx	.005	2.17
46	MP3B	X	-7.843	6.17
47	MP3B	Z	-4.528	6.17
48	MP3B	Mx	.005	6.17
49	MP3C	X	-6.076	2.17
50	MP3C	Z	-3.508	2.17
51	MP3C	Mx	-.007	2.17
52	MP3C	X	-6.076	6.17
53	MP3C	Z	-3.508	6.17
54	MP3C	Mx	-.007	6.17
55	MP3A	X	-5.866	2.17
56	MP3A	Z	-3.387	2.17
57	MP3A	Mx	.007	2.17
58	MP3A	X	-5.866	6.17
59	MP3A	Z	-3.387	6.17
60	MP3A	Mx	.007	6.17
61	MP3B	X	-7.843	2.17
62	MP3B	Z	-4.528	2.17
63	MP3B	Mx	-.007	2.17
64	MP3B	X	-7.843	6.17
65	MP3B	Z	-4.528	6.17
66	MP3B	Mx	-.007	6.17
67	MP3C	X	-6.076	2.17
68	MP3C	Z	-3.508	2.17
69	MP3C	Mx	-.002	2.17
70	MP3C	X	-6.076	6.17
71	MP3C	Z	-3.508	6.17
72	MP3C	Mx	-.002	6.17
73	MP1A	X	-4.723	1.25
74	MP1A	Z	-2.727	1.25
75	MP1A	Mx	.004	1.25
76	MP1A	X	-4.723	3.25
77	MP1A	Z	-2.727	3.25
78	MP1A	Mx	.004	3.25
79	MP1B	X	-2.536	1.25
80	MP1B	Z	-1.464	1.25
81	MP1B	Mx	-.000192	1.25
82	MP1B	X	-2.536	3.25
83	MP1B	Z	-1.464	3.25
84	MP1B	Mx	-.000192	3.25
85	MP1C	X	-4.319	1.25
86	MP1C	Z	-2.493	1.25
87	MP1C	Mx	-.003	1.25
88	MP1C	X	-4.319	3.25
89	MP1C	Z	-2.493	3.25
90	MP1C	Mx	-.003	3.25
91	MP5A	X	-4.723	1.25
92	MP5A	Z	-2.727	1.25
93	MP5A	Mx	.004	1.25
94	MP5A	X	-4.723	3.25
95	MP5A	Z	-2.727	3.25
96	MP5A	Mx	.004	3.25
97	MP5B	X	-2.536	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	MP5B	Z	-1.464	1.25
99	MP5B	Mx	-.000192	1.25
100	MP5B	X	-2.536	3.25
101	MP5B	Z	-1.464	3.25
102	MP5B	Mx	-.000192	3.25
103	MP5C	X	-4.319	1.25
104	MP5C	Z	-2.493	1.25
105	MP5C	Mx	-.003	1.25
106	MP5C	X	-4.319	3.25
107	MP5C	Z	-2.493	3.25
108	MP5C	Mx	-.003	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-2.217	1.25
2	MP4A	Z	-3.84	1.25
3	MP4A	Mx	.002	1.25
4	MP4A	X	-2.217	3.25
5	MP4A	Z	-3.84	3.25
6	MP4A	Mx	.002	3.25
7	MP4B	X	-2.331	1.25
8	MP4B	Z	-4.037	1.25
9	MP4B	Mx	.001	1.25
10	MP4B	X	-2.331	3.25
11	MP4B	Z	-4.037	3.25
12	MP4B	Mx	.001	3.25
13	MP4C	X	-1.036	1.25
14	MP4C	Z	-1.794	1.25
15	MP4C	Mx	-.002	1.25
16	MP4C	X	-1.036	3.25
17	MP4C	Z	-1.794	3.25
18	MP4C	Mx	-.002	3.25
19	MP3A	X	-1.958	5.17
20	MP3A	Z	-3.391	5.17
21	MP3A	Mx	.000827	5.17
22	MP3B	X	-1.958	5.17
23	MP3B	Z	-3.391	5.17
24	MP3B	Mx	.000827	5.17
25	MP3C	X	-1.958	5.17
26	MP3C	Z	-3.391	5.17
27	MP3C	Mx	.000827	5.17
28	MP2A	X	-1.91	4.83
29	MP2A	Z	-3.309	4.83
30	MP2A	Mx	.000808	4.83
31	MP2B	X	-1.91	4.83
32	MP2B	Z	-3.309	4.83
33	MP2B	Mx	.000808	4.83
34	MP2C	X	-1.91	4.83
35	MP2C	Z	-3.309	4.83
36	MP2C	Mx	.000808	4.83
37	MP3A	X	-4.156	2.17
38	MP3A	Z	-7.198	2.17
39	MP3A	Mx	-.002	2.17
40	MP3A	X	-4.156	6.17
41	MP3A	Z	-7.198	6.17
42	MP3A	Mx	-.002	6.17

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP3B	X	-4.265	2.17
44	MP3B	Z	-7.388	2.17
45	MP3B	Mx	.008	2.17
46	MP3B	X	-4.265	6.17
47	MP3B	Z	-7.388	6.17
48	MP3B	Mx	.008	6.17
49	MP3C	X	-3.014	2.17
50	MP3C	Z	-5.22	2.17
51	MP3C	Mx	-.005	2.17
52	MP3C	X	-3.014	6.17
53	MP3C	Z	-5.22	6.17
54	MP3C	Mx	-.005	6.17
55	MP3A	X	-4.156	2.17
56	MP3A	Z	-7.198	2.17
57	MP3A	Mx	.008	2.17
58	MP3A	X	-4.156	6.17
59	MP3A	Z	-7.198	6.17
60	MP3A	Mx	.008	6.17
61	MP3B	X	-4.265	2.17
62	MP3B	Z	-7.388	2.17
63	MP3B	Mx	-.002	2.17
64	MP3B	X	-4.265	6.17
65	MP3B	Z	-7.388	6.17
66	MP3B	Mx	-.002	6.17
67	MP3C	X	-3.014	2.17
68	MP3C	Z	-5.22	2.17
69	MP3C	Mx	-.004	2.17
70	MP3C	X	-3.014	6.17
71	MP3C	Z	-5.22	6.17
72	MP3C	Mx	-.004	6.17
73	MP1A	X	-1.963	1.25
74	MP1A	Z	-3.399	1.25
75	MP1A	Mx	.002	1.25
76	MP1A	X	-1.963	3.25
77	MP1A	Z	-3.399	3.25
78	MP1A	Mx	.002	3.25
79	MP1B	X	-1.729	1.25
80	MP1B	Z	-2.995	1.25
81	MP1B	Mx	.001	1.25
82	MP1B	X	-1.729	3.25
83	MP1B	Z	-2.995	3.25
84	MP1B	Mx	.001	3.25
85	MP1C	X	-2.992	1.25
86	MP1C	Z	-5.182	1.25
87	MP1C	Mx	-.004	1.25
88	MP1C	X	-2.992	3.25
89	MP1C	Z	-5.182	3.25
90	MP1C	Mx	-.004	3.25
91	MP5A	X	-1.963	1.25
92	MP5A	Z	-3.399	1.25
93	MP5A	Mx	.002	1.25
94	MP5A	X	-1.963	3.25
95	MP5A	Z	-3.399	3.25
96	MP5A	Mx	.002	3.25
97	MP5B	X	-1.729	1.25
98	MP5B	Z	-2.995	1.25
99	MP5B	Mx	.001	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
100	MP5B	X	-1.729	3.25
101	MP5B	Z	-2.995	3.25
102	MP5B	Mx	.001	3.25
103	MP5C	X	-2.992	1.25
104	MP5C	Z	-5.182	1.25
105	MP5C	Mx	-.004	1.25
106	MP5C	X	-2.992	3.25
107	MP5C	Z	-5.182	3.25
108	MP5C	Mx	-.004	3.25

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M28A	Y	-500	%51

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M28A	Y	-500	%27

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M28A	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M28A	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	M76	Y	-9.821	-9.821	0	%100
2	M84	Y	-14.646	-14.646	0	%100
3	M28A	Y	-12.055	-12.055	0	%100
4	M15	Y	-9.821	-9.821	0	%100
5	M21	Y	-14.646	-14.646	0	%100
6	M27	Y	-9.821	-9.821	0	%100
7	M33	Y	-14.646	-14.646	0	%100
8	M39	Y	-12.055	-12.055	0	%100
9	M41	Y	-12.055	-12.055	0	%100
10	M43	Y	-6.772	-6.772	0	%100
11	M50	Y	-8.886	-8.886	0	%100
12	M36	Y	-8.886	-8.886	0	%100
13	M40	Y	-8.886	-8.886	0	%100
14	M41B	Y	-6.772	-6.772	0	%100
15	M42A	Y	-6.772	-6.772	0	%100
16	MP5A	Y	-5.104	-5.104	0	%100
17	MP4A	Y	-5.104	-5.104	0	%100
18	MP3A	Y	-5.104	-5.104	0	%100
19	MP2A	Y	-5.104	-5.104	0	%100
20	MP1A	Y	-5.104	-5.104	0	%100
21	MP5C	Y	-5.104	-5.104	0	%100
22	MP4C	Y	-5.104	-5.104	0	%100
23	MP3C	Y	-5.104	-5.104	0	%100
24	MP2C	Y	-5.104	-5.104	0	%100
25	MP1C	Y	-5.104	-5.104	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,%]
26	MP5B	Y	-5.104	-5.104	0	%100
27	MP4B	Y	-5.104	-5.104	0	%100
28	MP3B	Y	-5.104	-5.104	0	%100
29	MP2B	Y	-5.104	-5.104	0	%100
30	MP1B	Y	-5.104	-5.104	0	%100
31	M91	Y	-9.821	-9.821	0	%100
32	M88B	Y	-14.646	-14.646	0	%100
33	M89A	Y	-14.646	-14.646	0	%100
34	M82B	Y	-9.821	-9.821	0	%100
35	M83A	Y	-14.646	-14.646	0	%100
36	M84A	Y	-14.646	-14.646	0	%100
37	M86	Y	-9.821	-9.821	0	%100
38	M87	Y	-14.646	-14.646	0	%100
39	M88A	Y	-14.646	-14.646	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	M76	X	0	0	0	%100
2	M76	Z	0	0	0	%100
3	M84	X	0	0	0	%100
4	M84	Z	-1.81	-1.81	0	%100
5	M28A	X	0	0	0	%100
6	M28A	Z	-36.204	-36.204	0	%100
7	M15	X	0	0	0	%100
8	M15	Z	-11.152	-11.152	0	%100
9	M21	X	0	0	0	%100
10	M21	Z	-.453	-.453	0	%100
11	M27	X	0	0	0	%100
12	M27	Z	-11.152	-11.152	0	%100
13	M33	X	0	0	0	%100
14	M33	Z	-.453	-.453	0	%100
15	M39	X	0	0	0	%100
16	M39	Z	-9.051	-9.051	0	%100
17	M41	X	0	0	0	%100
18	M41	Z	-9.051	-9.051	0	%100
19	M43	X	0	0	0	%100
20	M43	Z	-15.085	-15.085	0	%100
21	M50	X	0	0	0	%100
22	M50	Z	-.226	-.226	0	%100
23	M36	X	0	0	0	%100
24	M36	Z	-.905	-.905	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	-.226	-.226	0	%100
27	M41B	X	0	0	0	%100
28	M41B	Z	-3.771	-3.771	0	%100
29	M42A	X	0	0	0	%100
30	M42A	Z	-3.771	-3.771	0	%100
31	MP5A	X	0	0	0	%100
32	MP5A	Z	-8.598	-8.598	0	%100
33	MP4A	X	0	0	0	%100
34	MP4A	Z	-8.598	-8.598	0	%100
35	MP3A	X	0	0	0	%100
36	MP3A	Z	-8.598	-8.598	0	%100
37	MP2A	X	0	0	0	%100
38	MP2A	Z	-8.598	-8.598	0	%100
39	MP1A	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,%]
40	MP1A	Z	-8.598	-8.598	0	%100
41	MP5C	X	0	0	0	%100
42	MP5C	Z	-8.598	-8.598	0	%100
43	MP4C	X	0	0	0	%100
44	MP4C	Z	-8.598	-8.598	0	%100
45	MP3C	X	0	0	0	%100
46	MP3C	Z	-8.598	-8.598	0	%100
47	MP2C	X	0	0	0	%100
48	MP2C	Z	-8.598	-8.598	0	%100
49	MP1C	X	0	0	0	%100
50	MP1C	Z	-8.598	-8.598	0	%100
51	MP5B	X	0	0	0	%100
52	MP5B	Z	-8.598	-8.598	0	%100
53	MP4B	X	0	0	0	%100
54	MP4B	Z	-8.598	-8.598	0	%100
55	MP3B	X	0	0	0	%100
56	MP3B	Z	-8.598	-8.598	0	%100
57	MP2B	X	0	0	0	%100
58	MP2B	Z	-8.598	-8.598	0	%100
59	MP1B	X	0	0	0	%100
60	MP1B	Z	-8.598	-8.598	0	%100
61	M91	X	0	0	0	%100
62	M91	Z	-20.489	-20.489	0	%100
63	M88B	X	0	0	0	%100
64	M88B	Z	-33.192	-33.192	0	%100
65	M89A	X	0	0	0	%100
66	M89A	Z	-33.188	-33.188	0	%100
67	M82B	X	0	0	0	%100
68	M82B	Z	-5.122	-5.122	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	-8.298	-8.298	0	%100
71	M84A	X	0	0	0	%100
72	M84A	Z	-8.297	-8.297	0	%100
73	M86	X	0	0	0	%100
74	M86	Z	-5.122	-5.122	0	%100
75	M87	X	0	0	0	%100
76	M87	Z	-8.298	-8.298	0	%100
77	M88A	X	0	0	0	%100
78	M88A	Z	-8.297	-8.297	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	M76	X	1.859	1.859	0	%100
2	M76	Z	-3.219	-3.219	0	%100
3	M84	X	.679	.679	0	%100
4	M84	Z	-1.176	-1.176	0	%100
5	M28A	X	13.576	13.576	0	%100
6	M28A	Z	-23.515	-23.515	0	%100
7	M15	X	1.859	1.859	0	%100
8	M15	Z	-3.219	-3.219	0	%100
9	M21	X	.679	.679	0	%100
10	M21	Z	-1.176	-1.176	0	%100
11	M27	X	7.434	7.434	0	%100
12	M27	Z	-12.877	-12.877	0	%100
13	M33	X	0	0	0	%100
14	M33	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
15	M39	X	13.576	13.576	0	%100
16	M39	Z	-23.515	-23.515	0	%100
17	M41	X	0	0	0	%100
18	M41	Z	0	0	0	%100
19	M43	X	5.657	5.657	0	%100
20	M43	Z	-9.798	-9.798	0	%100
21	M50	X	0	0	0	%100
22	M50	Z	0	0	0	%100
23	M36	X	.339	.339	0	%100
24	M36	Z	-.588	-.588	0	%100
25	M40	X	.339	.339	0	%100
26	M40	Z	-.588	-.588	0	%100
27	M41B	X	5.657	5.657	0	%100
28	M41B	Z	-9.798	-9.798	0	%100
29	M42A	X	0	0	0	%100
30	M42A	Z	0	0	0	%100
31	MP5A	X	4.299	4.299	0	%100
32	MP5A	Z	-7.446	-7.446	0	%100
33	MP4A	X	4.299	4.299	0	%100
34	MP4A	Z	-7.446	-7.446	0	%100
35	MP3A	X	4.299	4.299	0	%100
36	MP3A	Z	-7.446	-7.446	0	%100
37	MP2A	X	4.299	4.299	0	%100
38	MP2A	Z	-7.446	-7.446	0	%100
39	MP1A	X	4.299	4.299	0	%100
40	MP1A	Z	-7.446	-7.446	0	%100
41	MP5C	X	4.299	4.299	0	%100
42	MP5C	Z	-7.446	-7.446	0	%100
43	MP4C	X	4.299	4.299	0	%100
44	MP4C	Z	-7.446	-7.446	0	%100
45	MP3C	X	4.299	4.299	0	%100
46	MP3C	Z	-7.446	-7.446	0	%100
47	MP2C	X	4.299	4.299	0	%100
48	MP2C	Z	-7.446	-7.446	0	%100
49	MP1C	X	4.299	4.299	0	%100
50	MP1C	Z	-7.446	-7.446	0	%100
51	MP5B	X	4.299	4.299	0	%100
52	MP5B	Z	-7.446	-7.446	0	%100
53	MP4B	X	4.299	4.299	0	%100
54	MP4B	Z	-7.446	-7.446	0	%100
55	MP3B	X	4.299	4.299	0	%100
56	MP3B	Z	-7.446	-7.446	0	%100
57	MP2B	X	4.299	4.299	0	%100
58	MP2B	Z	-7.446	-7.446	0	%100
59	MP1B	X	4.299	4.299	0	%100
60	MP1B	Z	-7.446	-7.446	0	%100
61	M91	X	7.683	7.683	0	%100
62	M91	Z	-13.308	-13.308	0	%100
63	M88B	X	12.447	12.447	0	%100
64	M88B	Z	-21.559	-21.559	0	%100
65	M89A	X	12.445	12.445	0	%100
66	M89A	Z	-21.556	-21.556	0	%100
67	M82B	X	7.683	7.683	0	%100
68	M82B	Z	-13.308	-13.308	0	%100
69	M83A	X	12.447	12.447	0	%100
70	M83A	Z	-21.559	-21.559	0	%100
71	M84A	X	12.445	12.445	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,%]
72	M84A	Z	-21.556	-21.556	0	%100
73	M86	X	0	0	0	%100
74	M86	Z	0	0	0	%100
75	M87	X	0	0	0	%100
76	M87	Z	0	0	0	%100
77	M88A	X	0	0	0	%100
78	M88A	Z	0	0	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	M76	X	9.658	9.658	0	%100
2	M76	Z	-5.576	-5.576	0	%100
3	M84	X	.392	.392	0	%100
4	M84	Z	-.226	-.226	0	%100
5	M28A	X	7.838	7.838	0	%100
6	M28A	Z	-4.525	-4.525	0	%100
7	M15	X	0	0	0	%100
8	M15	Z	0	0	0	%100
9	M21	X	1.568	1.568	0	%100
10	M21	Z	-.905	-.905	0	%100
11	M27	X	9.658	9.658	0	%100
12	M27	Z	-5.576	-5.576	0	%100
13	M33	X	.392	.392	0	%100
14	M33	Z	-.226	-.226	0	%100
15	M39	X	31.354	31.354	0	%100
16	M39	Z	-18.102	-18.102	0	%100
17	M41	X	7.838	7.838	0	%100
18	M41	Z	-4.525	-4.525	0	%100
19	M43	X	3.266	3.266	0	%100
20	M43	Z	-1.886	-1.886	0	%100
21	M50	X	.196	.196	0	%100
22	M50	Z	-.113	-.113	0	%100
23	M36	X	.196	.196	0	%100
24	M36	Z	-.113	-.113	0	%100
25	M40	X	.784	.784	0	%100
26	M40	Z	-.453	-.453	0	%100
27	M41B	X	13.064	13.064	0	%100
28	M41B	Z	-7.542	-7.542	0	%100
29	M42A	X	3.266	3.266	0	%100
30	M42A	Z	-1.886	-1.886	0	%100
31	MP5A	X	7.446	7.446	0	%100
32	MP5A	Z	-4.299	-4.299	0	%100
33	MP4A	X	7.446	7.446	0	%100
34	MP4A	Z	-4.299	-4.299	0	%100
35	MP3A	X	7.446	7.446	0	%100
36	MP3A	Z	-4.299	-4.299	0	%100
37	MP2A	X	7.446	7.446	0	%100
38	MP2A	Z	-4.299	-4.299	0	%100
39	MP1A	X	7.446	7.446	0	%100
40	MP1A	Z	-4.299	-4.299	0	%100
41	MP5C	X	7.446	7.446	0	%100
42	MP5C	Z	-4.299	-4.299	0	%100
43	MP4C	X	7.446	7.446	0	%100
44	MP4C	Z	-4.299	-4.299	0	%100
45	MP3C	X	7.446	7.446	0	%100
46	MP3C	Z	-4.299	-4.299	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,%]
47	MP2C	X	7.446	7.446	0	%100
48	MP2C	Z	-4.299	-4.299	0	%100
49	MP1C	X	7.446	7.446	0	%100
50	MP1C	Z	-4.299	-4.299	0	%100
51	MP5B	X	7.446	7.446	0	%100
52	MP5B	Z	-4.299	-4.299	0	%100
53	MP4B	X	7.446	7.446	0	%100
54	MP4B	Z	-4.299	-4.299	0	%100
55	MP3B	X	7.446	7.446	0	%100
56	MP3B	Z	-4.299	-4.299	0	%100
57	MP2B	X	7.446	7.446	0	%100
58	MP2B	Z	-4.299	-4.299	0	%100
59	MP1B	X	7.446	7.446	0	%100
60	MP1B	Z	-4.299	-4.299	0	%100
61	M91	X	4.436	4.436	0	%100
62	M91	Z	-2.561	-2.561	0	%100
63	M88B	X	7.186	7.186	0	%100
64	M88B	Z	-4.149	-4.149	0	%100
65	M89A	X	7.185	7.185	0	%100
66	M89A	Z	-4.148	-4.148	0	%100
67	M82B	X	17.744	17.744	0	%100
68	M82B	Z	-10.245	-10.245	0	%100
69	M83A	X	28.745	28.745	0	%100
70	M83A	Z	-16.596	-16.596	0	%100
71	M84A	X	28.741	28.741	0	%100
72	M84A	Z	-16.594	-16.594	0	%100
73	M86	X	4.436	4.436	0	%100
74	M86	Z	-2.561	-2.561	0	%100
75	M87	X	7.186	7.186	0	%100
76	M87	Z	-4.149	-4.149	0	%100
77	M88A	X	7.185	7.185	0	%100
78	M88A	Z	-4.148	-4.148	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	M76	X	14.869	14.869	0	%100
2	M76	Z	0	0	0	%100
3	M84	X	0	0	0	%100
4	M84	Z	0	0	0	%100
5	M28A	X	0	0	0	%100
6	M28A	Z	0	0	0	%100
7	M15	X	3.717	3.717	0	%100
8	M15	Z	0	0	0	%100
9	M21	X	1.358	1.358	0	%100
10	M21	Z	0	0	0	%100
11	M27	X	3.717	3.717	0	%100
12	M27	Z	0	0	0	%100
13	M33	X	1.358	1.358	0	%100
14	M33	Z	0	0	0	%100
15	M39	X	27.153	27.153	0	%100
16	M39	Z	0	0	0	%100
17	M41	X	27.153	27.153	0	%100
18	M41	Z	0	0	0	%100
19	M43	X	0	0	0	%100
20	M43	Z	0	0	0	%100
21	M50	X	.679	.679	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,%]
22	M50	Z	0	0	0	%100
23	M36	X	0	0	0	%100
24	M36	Z	0	0	0	%100
25	M40	X	.679	.679	0	%100
26	M40	Z	0	0	0	%100
27	M41B	X	11.314	11.314	0	%100
28	M41B	Z	0	0	0	%100
29	M42A	X	11.314	11.314	0	%100
30	M42A	Z	0	0	0	%100
31	MP5A	X	8.598	8.598	0	%100
32	MP5A	Z	0	0	0	%100
33	MP4A	X	8.598	8.598	0	%100
34	MP4A	Z	0	0	0	%100
35	MP3A	X	8.598	8.598	0	%100
36	MP3A	Z	0	0	0	%100
37	MP2A	X	8.598	8.598	0	%100
38	MP2A	Z	0	0	0	%100
39	MP1A	X	8.598	8.598	0	%100
40	MP1A	Z	0	0	0	%100
41	MP5C	X	8.598	8.598	0	%100
42	MP5C	Z	0	0	0	%100
43	MP4C	X	8.598	8.598	0	%100
44	MP4C	Z	0	0	0	%100
45	MP3C	X	8.598	8.598	0	%100
46	MP3C	Z	0	0	0	%100
47	MP2C	X	8.598	8.598	0	%100
48	MP2C	Z	0	0	0	%100
49	MP1C	X	8.598	8.598	0	%100
50	MP1C	Z	0	0	0	%100
51	MP5B	X	8.598	8.598	0	%100
52	MP5B	Z	0	0	0	%100
53	MP4B	X	8.598	8.598	0	%100
54	MP4B	Z	0	0	0	%100
55	MP3B	X	8.598	8.598	0	%100
56	MP3B	Z	0	0	0	%100
57	MP2B	X	8.598	8.598	0	%100
58	MP2B	Z	0	0	0	%100
59	MP1B	X	8.598	8.598	0	%100
60	MP1B	Z	0	0	0	%100
61	M91	X	0	0	0	%100
62	M91	Z	0	0	0	%100
63	M88B	X	0	0	0	%100
64	M88B	Z	0	0	0	%100
65	M89A	X	0	0	0	%100
66	M89A	Z	0	0	0	%100
67	M82B	X	15.367	15.367	0	%100
68	M82B	Z	0	0	0	%100
69	M83A	X	24.894	24.894	0	%100
70	M83A	Z	0	0	0	%100
71	M84A	X	24.891	24.891	0	%100
72	M84A	Z	0	0	0	%100
73	M86	X	15.367	15.367	0	%100
74	M86	Z	0	0	0	%100
75	M87	X	24.894	24.894	0	%100
76	M87	Z	0	0	0	%100
77	M88A	X	24.891	24.891	0	%100
78	M88A	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	M76	X	9.658	9.658	0	%100
2	M76	Z	5.576	5.576	0	%100
3	M84	X	.392	.392	0	%100
4	M84	Z	.226	.226	0	%100
5	M28A	X	7.838	7.838	0	%100
6	M28A	Z	4.525	4.525	0	%100
7	M15	X	9.658	9.658	0	%100
8	M15	Z	5.576	5.576	0	%100
9	M21	X	.392	.392	0	%100
10	M21	Z	.226	.226	0	%100
11	M27	X	0	0	0	%100
12	M27	Z	0	0	0	%100
13	M33	X	1.568	1.568	0	%100
14	M33	Z	.905	.905	0	%100
15	M39	X	7.838	7.838	0	%100
16	M39	Z	4.525	4.525	0	%100
17	M41	X	31.354	31.354	0	%100
18	M41	Z	18.102	18.102	0	%100
19	M43	X	3.266	3.266	0	%100
20	M43	Z	1.886	1.886	0	%100
21	M50	X	.784	.784	0	%100
22	M50	Z	.453	.453	0	%100
23	M36	X	.196	.196	0	%100
24	M36	Z	.113	.113	0	%100
25	M40	X	.196	.196	0	%100
26	M40	Z	.113	.113	0	%100
27	M41B	X	3.266	3.266	0	%100
28	M41B	Z	1.886	1.886	0	%100
29	M42A	X	13.064	13.064	0	%100
30	M42A	Z	7.542	7.542	0	%100
31	MP5A	X	7.446	7.446	0	%100
32	MP5A	Z	4.299	4.299	0	%100
33	MP4A	X	7.446	7.446	0	%100
34	MP4A	Z	4.299	4.299	0	%100
35	MP3A	X	7.446	7.446	0	%100
36	MP3A	Z	4.299	4.299	0	%100
37	MP2A	X	7.446	7.446	0	%100
38	MP2A	Z	4.299	4.299	0	%100
39	MP1A	X	7.446	7.446	0	%100
40	MP1A	Z	4.299	4.299	0	%100
41	MP5C	X	7.446	7.446	0	%100
42	MP5C	Z	4.299	4.299	0	%100
43	MP4C	X	7.446	7.446	0	%100
44	MP4C	Z	4.299	4.299	0	%100
45	MP3C	X	7.446	7.446	0	%100
46	MP3C	Z	4.299	4.299	0	%100
47	MP2C	X	7.446	7.446	0	%100
48	MP2C	Z	4.299	4.299	0	%100
49	MP1C	X	7.446	7.446	0	%100
50	MP1C	Z	4.299	4.299	0	%100
51	MP5B	X	7.446	7.446	0	%100
52	MP5B	Z	4.299	4.299	0	%100
53	MP4B	X	7.446	7.446	0	%100
54	MP4B	Z	4.299	4.299	0	%100
55	MP3B	X	7.446	7.446	0	%100
56	MP3B	Z	4.299	4.299	0	%100
57	MP2B	X	7.446	7.446	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,%]
58	MP2B	Z	4.299	4.299	0	%100
59	MP1B	X	7.446	7.446	0	%100
60	MP1B	Z	4.299	4.299	0	%100
61	M91	X	4.436	4.436	0	%100
62	M91	Z	2.561	2.561	0	%100
63	M88B	X	7.186	7.186	0	%100
64	M88B	Z	4.149	4.149	0	%100
65	M89A	X	7.185	7.185	0	%100
66	M89A	Z	4.148	4.148	0	%100
67	M82B	X	4.436	4.436	0	%100
68	M82B	Z	2.561	2.561	0	%100
69	M83A	X	7.186	7.186	0	%100
70	M83A	Z	4.149	4.149	0	%100
71	M84A	X	7.185	7.185	0	%100
72	M84A	Z	4.148	4.148	0	%100
73	M86	X	17.744	17.744	0	%100
74	M86	Z	10.245	10.245	0	%100
75	M87	X	28.745	28.745	0	%100
76	M87	Z	16.596	16.596	0	%100
77	M88A	X	28.741	28.741	0	%100
78	M88A	Z	16.594	16.594	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	M76	X	1.859	1.859	0	%100
2	M76	Z	3.219	3.219	0	%100
3	M84	X	.679	.679	0	%100
4	M84	Z	1.176	1.176	0	%100
5	M28A	X	13.576	13.576	0	%100
6	M28A	Z	23.515	23.515	0	%100
7	M15	X	7.434	7.434	0	%100
8	M15	Z	12.877	12.877	0	%100
9	M21	X	0	0	0	%100
10	M21	Z	0	0	0	%100
11	M27	X	1.859	1.859	0	%100
12	M27	Z	3.219	3.219	0	%100
13	M33	X	.679	.679	0	%100
14	M33	Z	1.176	1.176	0	%100
15	M39	X	0	0	0	%100
16	M39	Z	0	0	0	%100
17	M41	X	13.576	13.576	0	%100
18	M41	Z	23.515	23.515	0	%100
19	M43	X	5.657	5.657	0	%100
20	M43	Z	9.798	9.798	0	%100
21	M50	X	.339	.339	0	%100
22	M50	Z	.588	.588	0	%100
23	M36	X	.339	.339	0	%100
24	M36	Z	.588	.588	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	0	0	0	%100
27	M41B	X	0	0	0	%100
28	M41B	Z	0	0	0	%100
29	M42A	X	5.657	5.657	0	%100
30	M42A	Z	9.798	9.798	0	%100
31	MP5A	X	4.299	4.299	0	%100
32	MP5A	Z	7.446	7.446	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,%]
33	MP4A	X	4.299	4.299	0	%100
34	MP4A	Z	7.446	7.446	0	%100
35	MP3A	X	4.299	4.299	0	%100
36	MP3A	Z	7.446	7.446	0	%100
37	MP2A	X	4.299	4.299	0	%100
38	MP2A	Z	7.446	7.446	0	%100
39	MP1A	X	4.299	4.299	0	%100
40	MP1A	Z	7.446	7.446	0	%100
41	MP5C	X	4.299	4.299	0	%100
42	MP5C	Z	7.446	7.446	0	%100
43	MP4C	X	4.299	4.299	0	%100
44	MP4C	Z	7.446	7.446	0	%100
45	MP3C	X	4.299	4.299	0	%100
46	MP3C	Z	7.446	7.446	0	%100
47	MP2C	X	4.299	4.299	0	%100
48	MP2C	Z	7.446	7.446	0	%100
49	MP1C	X	4.299	4.299	0	%100
50	MP1C	Z	7.446	7.446	0	%100
51	MP5B	X	4.299	4.299	0	%100
52	MP5B	Z	7.446	7.446	0	%100
53	MP4B	X	4.299	4.299	0	%100
54	MP4B	Z	7.446	7.446	0	%100
55	MP3B	X	4.299	4.299	0	%100
56	MP3B	Z	7.446	7.446	0	%100
57	MP2B	X	4.299	4.299	0	%100
58	MP2B	Z	7.446	7.446	0	%100
59	MP1B	X	4.299	4.299	0	%100
60	MP1B	Z	7.446	7.446	0	%100
61	M91	X	7.683	7.683	0	%100
62	M91	Z	13.308	13.308	0	%100
63	M88B	X	12.447	12.447	0	%100
64	M88B	Z	21.559	21.559	0	%100
65	M89A	X	12.445	12.445	0	%100
66	M89A	Z	21.556	21.556	0	%100
67	M82B	X	0	0	0	%100
68	M82B	Z	0	0	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	0	0	0	%100
71	M84A	X	0	0	0	%100
72	M84A	Z	0	0	0	%100
73	M86	X	7.683	7.683	0	%100
74	M86	Z	13.308	13.308	0	%100
75	M87	X	12.447	12.447	0	%100
76	M87	Z	21.559	21.559	0	%100
77	M88A	X	12.445	12.445	0	%100
78	M88A	Z	21.556	21.556	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	M76	X	0	0	0	%100
2	M76	Z	0	0	0	%100
3	M84	X	0	0	0	%100
4	M84	Z	1.81	1.81	0	%100
5	M28A	X	0	0	0	%100
6	M28A	Z	36.204	36.204	0	%100
7	M15	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,%]
8	M15	Z	11.152	11.152	0	%100
9	M21	X	0	0	0	%100
10	M21	Z	.453	.453	0	%100
11	M27	X	0	0	0	%100
12	M27	Z	11.152	11.152	0	%100
13	M33	X	0	0	0	%100
14	M33	Z	.453	.453	0	%100
15	M39	X	0	0	0	%100
16	M39	Z	9.051	9.051	0	%100
17	M41	X	0	0	0	%100
18	M41	Z	9.051	9.051	0	%100
19	M43	X	0	0	0	%100
20	M43	Z	15.085	15.085	0	%100
21	M50	X	0	0	0	%100
22	M50	Z	.226	.226	0	%100
23	M36	X	0	0	0	%100
24	M36	Z	.905	.905	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	.226	.226	0	%100
27	M41B	X	0	0	0	%100
28	M41B	Z	3.771	3.771	0	%100
29	M42A	X	0	0	0	%100
30	M42A	Z	3.771	3.771	0	%100
31	MP5A	X	0	0	0	%100
32	MP5A	Z	8.598	8.598	0	%100
33	MP4A	X	0	0	0	%100
34	MP4A	Z	8.598	8.598	0	%100
35	MP3A	X	0	0	0	%100
36	MP3A	Z	8.598	8.598	0	%100
37	MP2A	X	0	0	0	%100
38	MP2A	Z	8.598	8.598	0	%100
39	MP1A	X	0	0	0	%100
40	MP1A	Z	8.598	8.598	0	%100
41	MP5C	X	0	0	0	%100
42	MP5C	Z	8.598	8.598	0	%100
43	MP4C	X	0	0	0	%100
44	MP4C	Z	8.598	8.598	0	%100
45	MP3C	X	0	0	0	%100
46	MP3C	Z	8.598	8.598	0	%100
47	MP2C	X	0	0	0	%100
48	MP2C	Z	8.598	8.598	0	%100
49	MP1C	X	0	0	0	%100
50	MP1C	Z	8.598	8.598	0	%100
51	MP5B	X	0	0	0	%100
52	MP5B	Z	8.598	8.598	0	%100
53	MP4B	X	0	0	0	%100
54	MP4B	Z	8.598	8.598	0	%100
55	MP3B	X	0	0	0	%100
56	MP3B	Z	8.598	8.598	0	%100
57	MP2B	X	0	0	0	%100
58	MP2B	Z	8.598	8.598	0	%100
59	MP1B	X	0	0	0	%100
60	MP1B	Z	8.598	8.598	0	%100
61	M91	X	0	0	0	%100
62	M91	Z	20.489	20.489	0	%100
63	M88B	X	0	0	0	%100
64	M88B	Z	33.192	33.192	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,%]
65	M89A	X	0	0	0	%100
66	M89A	Z	33.188	33.188	0	%100
67	M82B	X	0	0	0	%100
68	M82B	Z	5.122	5.122	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	8.298	8.298	0	%100
71	M84A	X	0	0	0	%100
72	M84A	Z	8.297	8.297	0	%100
73	M86	X	0	0	0	%100
74	M86	Z	5.122	5.122	0	%100
75	M87	X	0	0	0	%100
76	M87	Z	8.298	8.298	0	%100
77	M88A	X	0	0	0	%100
78	M88A	Z	8.297	8.297	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	M76	X	-1.859	-1.859	0	%100
2	M76	Z	3.219	3.219	0	%100
3	M84	X	-.679	-.679	0	%100
4	M84	Z	1.176	1.176	0	%100
5	M28A	X	-13.576	-13.576	0	%100
6	M28A	Z	23.515	23.515	0	%100
7	M15	X	-1.859	-1.859	0	%100
8	M15	Z	3.219	3.219	0	%100
9	M21	X	-.679	-.679	0	%100
10	M21	Z	1.176	1.176	0	%100
11	M27	X	-7.434	-7.434	0	%100
12	M27	Z	12.877	12.877	0	%100
13	M33	X	0	0	0	%100
14	M33	Z	0	0	0	%100
15	M39	X	-13.576	-13.576	0	%100
16	M39	Z	23.515	23.515	0	%100
17	M41	X	0	0	0	%100
18	M41	Z	0	0	0	%100
19	M43	X	-5.657	-5.657	0	%100
20	M43	Z	9.798	9.798	0	%100
21	M50	X	0	0	0	%100
22	M50	Z	0	0	0	%100
23	M36	X	-.339	-.339	0	%100
24	M36	Z	.588	.588	0	%100
25	M40	X	-.339	-.339	0	%100
26	M40	Z	.588	.588	0	%100
27	M41B	X	-5.657	-5.657	0	%100
28	M41B	Z	9.798	9.798	0	%100
29	M42A	X	0	0	0	%100
30	M42A	Z	0	0	0	%100
31	MP5A	X	-4.299	-4.299	0	%100
32	MP5A	Z	7.446	7.446	0	%100
33	MP4A	X	-4.299	-4.299	0	%100
34	MP4A	Z	7.446	7.446	0	%100
35	MP3A	X	-4.299	-4.299	0	%100
36	MP3A	Z	7.446	7.446	0	%100
37	MP2A	X	-4.299	-4.299	0	%100
38	MP2A	Z	7.446	7.446	0	%100
39	MP1A	X	-4.299	-4.299	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,%]
40	MP1A	Z	7.446	7.446	0	%100
41	MP5C	X	-4.299	-4.299	0	%100
42	MP5C	Z	7.446	7.446	0	%100
43	MP4C	X	-4.299	-4.299	0	%100
44	MP4C	Z	7.446	7.446	0	%100
45	MP3C	X	-4.299	-4.299	0	%100
46	MP3C	Z	7.446	7.446	0	%100
47	MP2C	X	-4.299	-4.299	0	%100
48	MP2C	Z	7.446	7.446	0	%100
49	MP1C	X	-4.299	-4.299	0	%100
50	MP1C	Z	7.446	7.446	0	%100
51	MP5B	X	-4.299	-4.299	0	%100
52	MP5B	Z	7.446	7.446	0	%100
53	MP4B	X	-4.299	-4.299	0	%100
54	MP4B	Z	7.446	7.446	0	%100
55	MP3B	X	-4.299	-4.299	0	%100
56	MP3B	Z	7.446	7.446	0	%100
57	MP2B	X	-4.299	-4.299	0	%100
58	MP2B	Z	7.446	7.446	0	%100
59	MP1B	X	-4.299	-4.299	0	%100
60	MP1B	Z	7.446	7.446	0	%100
61	M91	X	-7.683	-7.683	0	%100
62	M91	Z	13.308	13.308	0	%100
63	M88B	X	-12.447	-12.447	0	%100
64	M88B	Z	21.559	21.559	0	%100
65	M89A	X	-12.445	-12.445	0	%100
66	M89A	Z	21.556	21.556	0	%100
67	M82B	X	-7.683	-7.683	0	%100
68	M82B	Z	13.308	13.308	0	%100
69	M83A	X	-12.447	-12.447	0	%100
70	M83A	Z	21.559	21.559	0	%100
71	M84A	X	-12.445	-12.445	0	%100
72	M84A	Z	21.556	21.556	0	%100
73	M86	X	0	0	0	%100
74	M86	Z	0	0	0	%100
75	M87	X	0	0	0	%100
76	M87	Z	0	0	0	%100
77	M88A	X	0	0	0	%100
78	M88A	Z	0	0	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	M76	X	-9.658	-9.658	0	%100
2	M76	Z	5.576	5.576	0	%100
3	M84	X	-.392	-.392	0	%100
4	M84	Z	.226	.226	0	%100
5	M28A	X	-7.838	-7.838	0	%100
6	M28A	Z	4.525	4.525	0	%100
7	M15	X	0	0	0	%100
8	M15	Z	0	0	0	%100
9	M21	X	-1.568	-1.568	0	%100
10	M21	Z	.905	.905	0	%100
11	M27	X	-9.658	-9.658	0	%100
12	M27	Z	5.576	5.576	0	%100
13	M33	X	-.392	-.392	0	%100
14	M33	Z	.226	.226	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,%]
15	M39	X	-31.354	-31.354	0	%100
16	M39	Z	18.102	18.102	0	%100
17	M41	X	-7.838	-7.838	0	%100
18	M41	Z	4.525	4.525	0	%100
19	M43	X	-3.266	-3.266	0	%100
20	M43	Z	1.886	1.886	0	%100
21	M50	X	-.196	-.196	0	%100
22	M50	Z	.113	.113	0	%100
23	M36	X	-.196	-.196	0	%100
24	M36	Z	.113	.113	0	%100
25	M40	X	-.784	-.784	0	%100
26	M40	Z	.453	.453	0	%100
27	M41B	X	-13.064	-13.064	0	%100
28	M41B	Z	7.542	7.542	0	%100
29	M42A	X	-3.266	-3.266	0	%100
30	M42A	Z	1.886	1.886	0	%100
31	MP5A	X	-7.446	-7.446	0	%100
32	MP5A	Z	4.299	4.299	0	%100
33	MP4A	X	-7.446	-7.446	0	%100
34	MP4A	Z	4.299	4.299	0	%100
35	MP3A	X	-7.446	-7.446	0	%100
36	MP3A	Z	4.299	4.299	0	%100
37	MP2A	X	-7.446	-7.446	0	%100
38	MP2A	Z	4.299	4.299	0	%100
39	MP1A	X	-7.446	-7.446	0	%100
40	MP1A	Z	4.299	4.299	0	%100
41	MP5C	X	-7.446	-7.446	0	%100
42	MP5C	Z	4.299	4.299	0	%100
43	MP4C	X	-7.446	-7.446	0	%100
44	MP4C	Z	4.299	4.299	0	%100
45	MP3C	X	-7.446	-7.446	0	%100
46	MP3C	Z	4.299	4.299	0	%100
47	MP2C	X	-7.446	-7.446	0	%100
48	MP2C	Z	4.299	4.299	0	%100
49	MP1C	X	-7.446	-7.446	0	%100
50	MP1C	Z	4.299	4.299	0	%100
51	MP5B	X	-7.446	-7.446	0	%100
52	MP5B	Z	4.299	4.299	0	%100
53	MP4B	X	-7.446	-7.446	0	%100
54	MP4B	Z	4.299	4.299	0	%100
55	MP3B	X	-7.446	-7.446	0	%100
56	MP3B	Z	4.299	4.299	0	%100
57	MP2B	X	-7.446	-7.446	0	%100
58	MP2B	Z	4.299	4.299	0	%100
59	MP1B	X	-7.446	-7.446	0	%100
60	MP1B	Z	4.299	4.299	0	%100
61	M91	X	-4.436	-4.436	0	%100
62	M91	Z	2.561	2.561	0	%100
63	M88B	X	-7.186	-7.186	0	%100
64	M88B	Z	4.149	4.149	0	%100
65	M89A	X	-7.185	-7.185	0	%100
66	M89A	Z	4.148	4.148	0	%100
67	M82B	X	-17.744	-17.744	0	%100
68	M82B	Z	10.245	10.245	0	%100
69	M83A	X	-28.745	-28.745	0	%100
70	M83A	Z	16.596	16.596	0	%100
71	M84A	X	-28.741	-28.741	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,%]
72	M84A	Z	16.594	16.594	0	%100
73	M86	X	-4.436	-4.436	0	%100
74	M86	Z	2.561	2.561	0	%100
75	M87	X	-7.186	-7.186	0	%100
76	M87	Z	4.149	4.149	0	%100
77	M88A	X	-7.185	-7.185	0	%100
78	M88A	Z	4.148	4.148	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	M76	X	-14.869	-14.869	0	%100
2	M76	Z	0	0	0	%100
3	M84	X	0	0	0	%100
4	M84	Z	0	0	0	%100
5	M28A	X	0	0	0	%100
6	M28A	Z	0	0	0	%100
7	M15	X	-3.717	-3.717	0	%100
8	M15	Z	0	0	0	%100
9	M21	X	-1.358	-1.358	0	%100
10	M21	Z	0	0	0	%100
11	M27	X	-3.717	-3.717	0	%100
12	M27	Z	0	0	0	%100
13	M33	X	-1.358	-1.358	0	%100
14	M33	Z	0	0	0	%100
15	M39	X	-27.153	-27.153	0	%100
16	M39	Z	0	0	0	%100
17	M41	X	-27.153	-27.153	0	%100
18	M41	Z	0	0	0	%100
19	M43	X	0	0	0	%100
20	M43	Z	0	0	0	%100
21	M50	X	-.679	-.679	0	%100
22	M50	Z	0	0	0	%100
23	M36	X	0	0	0	%100
24	M36	Z	0	0	0	%100
25	M40	X	-.679	-.679	0	%100
26	M40	Z	0	0	0	%100
27	M41B	X	-11.314	-11.314	0	%100
28	M41B	Z	0	0	0	%100
29	M42A	X	-11.314	-11.314	0	%100
30	M42A	Z	0	0	0	%100
31	MP5A	X	-8.598	-8.598	0	%100
32	MP5A	Z	0	0	0	%100
33	MP4A	X	-8.598	-8.598	0	%100
34	MP4A	Z	0	0	0	%100
35	MP3A	X	-8.598	-8.598	0	%100
36	MP3A	Z	0	0	0	%100
37	MP2A	X	-8.598	-8.598	0	%100
38	MP2A	Z	0	0	0	%100
39	MP1A	X	-8.598	-8.598	0	%100
40	MP1A	Z	0	0	0	%100
41	MP5C	X	-8.598	-8.598	0	%100
42	MP5C	Z	0	0	0	%100
43	MP4C	X	-8.598	-8.598	0	%100
44	MP4C	Z	0	0	0	%100
45	MP3C	X	-8.598	-8.598	0	%100
46	MP3C	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,%]
47	MP2C	X	-8.598	-8.598	0	%100
48	MP2C	Z	0	0	0	%100
49	MP1C	X	-8.598	-8.598	0	%100
50	MP1C	Z	0	0	0	%100
51	MP5B	X	-8.598	-8.598	0	%100
52	MP5B	Z	0	0	0	%100
53	MP4B	X	-8.598	-8.598	0	%100
54	MP4B	Z	0	0	0	%100
55	MP3B	X	-8.598	-8.598	0	%100
56	MP3B	Z	0	0	0	%100
57	MP2B	X	-8.598	-8.598	0	%100
58	MP2B	Z	0	0	0	%100
59	MP1B	X	-8.598	-8.598	0	%100
60	MP1B	Z	0	0	0	%100
61	M91	X	0	0	0	%100
62	M91	Z	0	0	0	%100
63	M88B	X	0	0	0	%100
64	M88B	Z	0	0	0	%100
65	M89A	X	0	0	0	%100
66	M89A	Z	0	0	0	%100
67	M82B	X	-15.367	-15.367	0	%100
68	M82B	Z	0	0	0	%100
69	M83A	X	-24.894	-24.894	0	%100
70	M83A	Z	0	0	0	%100
71	M84A	X	-24.891	-24.891	0	%100
72	M84A	Z	0	0	0	%100
73	M86	X	-15.367	-15.367	0	%100
74	M86	Z	0	0	0	%100
75	M87	X	-24.894	-24.894	0	%100
76	M87	Z	0	0	0	%100
77	M88A	X	-24.891	-24.891	0	%100
78	M88A	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	M76	X	-9.658	-9.658	0	%100
2	M76	Z	-5.576	-5.576	0	%100
3	M84	X	-.392	-.392	0	%100
4	M84	Z	-.226	-.226	0	%100
5	M28A	X	-7.838	-7.838	0	%100
6	M28A	Z	-4.525	-4.525	0	%100
7	M15	X	-9.658	-9.658	0	%100
8	M15	Z	-5.576	-5.576	0	%100
9	M21	X	-.392	-.392	0	%100
10	M21	Z	-.226	-.226	0	%100
11	M27	X	0	0	0	%100
12	M27	Z	0	0	0	%100
13	M33	X	-1.568	-1.568	0	%100
14	M33	Z	-.905	-.905	0	%100
15	M39	X	-7.838	-7.838	0	%100
16	M39	Z	-4.525	-4.525	0	%100
17	M41	X	-31.354	-31.354	0	%100
18	M41	Z	-18.102	-18.102	0	%100
19	M43	X	-3.266	-3.266	0	%100
20	M43	Z	-1.886	-1.886	0	%100
21	M50	X	-.784	-.784	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,%]
22	M50	Z	-.453	-.453	0	%100
23	M36	X	-.196	-.196	0	%100
24	M36	Z	-.113	-.113	0	%100
25	M40	X	-.196	-.196	0	%100
26	M40	Z	-.113	-.113	0	%100
27	M41B	X	-3.266	-3.266	0	%100
28	M41B	Z	-1.886	-1.886	0	%100
29	M42A	X	-13.064	-13.064	0	%100
30	M42A	Z	-7.542	-7.542	0	%100
31	MP5A	X	-7.446	-7.446	0	%100
32	MP5A	Z	-4.299	-4.299	0	%100
33	MP4A	X	-7.446	-7.446	0	%100
34	MP4A	Z	-4.299	-4.299	0	%100
35	MP3A	X	-7.446	-7.446	0	%100
36	MP3A	Z	-4.299	-4.299	0	%100
37	MP2A	X	-7.446	-7.446	0	%100
38	MP2A	Z	-4.299	-4.299	0	%100
39	MP1A	X	-7.446	-7.446	0	%100
40	MP1A	Z	-4.299	-4.299	0	%100
41	MP5C	X	-7.446	-7.446	0	%100
42	MP5C	Z	-4.299	-4.299	0	%100
43	MP4C	X	-7.446	-7.446	0	%100
44	MP4C	Z	-4.299	-4.299	0	%100
45	MP3C	X	-7.446	-7.446	0	%100
46	MP3C	Z	-4.299	-4.299	0	%100
47	MP2C	X	-7.446	-7.446	0	%100
48	MP2C	Z	-4.299	-4.299	0	%100
49	MP1C	X	-7.446	-7.446	0	%100
50	MP1C	Z	-4.299	-4.299	0	%100
51	MP5B	X	-7.446	-7.446	0	%100
52	MP5B	Z	-4.299	-4.299	0	%100
53	MP4B	X	-7.446	-7.446	0	%100
54	MP4B	Z	-4.299	-4.299	0	%100
55	MP3B	X	-7.446	-7.446	0	%100
56	MP3B	Z	-4.299	-4.299	0	%100
57	MP2B	X	-7.446	-7.446	0	%100
58	MP2B	Z	-4.299	-4.299	0	%100
59	MP1B	X	-7.446	-7.446	0	%100
60	MP1B	Z	-4.299	-4.299	0	%100
61	M91	X	-4.436	-4.436	0	%100
62	M91	Z	-2.561	-2.561	0	%100
63	M88B	X	-7.186	-7.186	0	%100
64	M88B	Z	-4.149	-4.149	0	%100
65	M89A	X	-7.185	-7.185	0	%100
66	M89A	Z	-4.148	-4.148	0	%100
67	M82B	X	-4.436	-4.436	0	%100
68	M82B	Z	-2.561	-2.561	0	%100
69	M83A	X	-7.186	-7.186	0	%100
70	M83A	Z	-4.149	-4.149	0	%100
71	M84A	X	-7.185	-7.185	0	%100
72	M84A	Z	-4.148	-4.148	0	%100
73	M86	X	-17.744	-17.744	0	%100
74	M86	Z	-10.245	-10.245	0	%100
75	M87	X	-28.745	-28.745	0	%100
76	M87	Z	-16.596	-16.596	0	%100
77	M88A	X	-28.741	-28.741	0	%100
78	M88A	Z	-16.594	-16.594	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	M76	X	-1.859	-1.859	0	%100
2	M76	Z	-3.219	-3.219	0	%100
3	M84	X	-.679	-.679	0	%100
4	M84	Z	-1.176	-1.176	0	%100
5	M28A	X	-13.576	-13.576	0	%100
6	M28A	Z	-23.515	-23.515	0	%100
7	M15	X	-7.434	-7.434	0	%100
8	M15	Z	-12.877	-12.877	0	%100
9	M21	X	0	0	0	%100
10	M21	Z	0	0	0	%100
11	M27	X	-1.859	-1.859	0	%100
12	M27	Z	-3.219	-3.219	0	%100
13	M33	X	-.679	-.679	0	%100
14	M33	Z	-1.176	-1.176	0	%100
15	M39	X	0	0	0	%100
16	M39	Z	0	0	0	%100
17	M41	X	-13.576	-13.576	0	%100
18	M41	Z	-23.515	-23.515	0	%100
19	M43	X	-5.657	-5.657	0	%100
20	M43	Z	-9.798	-9.798	0	%100
21	M50	X	-.339	-.339	0	%100
22	M50	Z	-.588	-.588	0	%100
23	M36	X	-.339	-.339	0	%100
24	M36	Z	-.588	-.588	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	0	0	0	%100
27	M41B	X	0	0	0	%100
28	M41B	Z	0	0	0	%100
29	M42A	X	-5.657	-5.657	0	%100
30	M42A	Z	-9.798	-9.798	0	%100
31	MP5A	X	-4.299	-4.299	0	%100
32	MP5A	Z	-7.446	-7.446	0	%100
33	MP4A	X	-4.299	-4.299	0	%100
34	MP4A	Z	-7.446	-7.446	0	%100
35	MP3A	X	-4.299	-4.299	0	%100
36	MP3A	Z	-7.446	-7.446	0	%100
37	MP2A	X	-4.299	-4.299	0	%100
38	MP2A	Z	-7.446	-7.446	0	%100
39	MP1A	X	-4.299	-4.299	0	%100
40	MP1A	Z	-7.446	-7.446	0	%100
41	MP5C	X	-4.299	-4.299	0	%100
42	MP5C	Z	-7.446	-7.446	0	%100
43	MP4C	X	-4.299	-4.299	0	%100
44	MP4C	Z	-7.446	-7.446	0	%100
45	MP3C	X	-4.299	-4.299	0	%100
46	MP3C	Z	-7.446	-7.446	0	%100
47	MP2C	X	-4.299	-4.299	0	%100
48	MP2C	Z	-7.446	-7.446	0	%100
49	MP1C	X	-4.299	-4.299	0	%100
50	MP1C	Z	-7.446	-7.446	0	%100
51	MP5B	X	-4.299	-4.299	0	%100
52	MP5B	Z	-7.446	-7.446	0	%100
53	MP4B	X	-4.299	-4.299	0	%100
54	MP4B	Z	-7.446	-7.446	0	%100
55	MP3B	X	-4.299	-4.299	0	%100
56	MP3B	Z	-7.446	-7.446	0	%100
57	MP2B	X	-4.299	-4.299	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,%]
58	MP2B	Z	-7.446	-7.446	0	%100
59	MP1B	X	-4.299	-4.299	0	%100
60	MP1B	Z	-7.446	-7.446	0	%100
61	M91	X	-7.683	-7.683	0	%100
62	M91	Z	-13.308	-13.308	0	%100
63	M88B	X	-12.447	-12.447	0	%100
64	M88B	Z	-21.559	-21.559	0	%100
65	M89A	X	-12.445	-12.445	0	%100
66	M89A	Z	-21.556	-21.556	0	%100
67	M82B	X	0	0	0	%100
68	M82B	Z	0	0	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	0	0	0	%100
71	M84A	X	0	0	0	%100
72	M84A	Z	0	0	0	%100
73	M86	X	-7.683	-7.683	0	%100
74	M86	Z	-13.308	-13.308	0	%100
75	M87	X	-12.447	-12.447	0	%100
76	M87	Z	-21.559	-21.559	0	%100
77	M88A	X	-12.445	-12.445	0	%100
78	M88A	Z	-21.556	-21.556	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	M76	X	0	0	0	%100
2	M76	Z	0	0	0	%100
3	M84	X	0	0	0	%100
4	M84	Z	-1.275	-1.275	0	%100
5	M28A	X	0	0	0	%100
6	M28A	Z	-7.636	-7.636	0	%100
7	M15	X	0	0	0	%100
8	M15	Z	-2.995	-2.995	0	%100
9	M21	X	0	0	0	%100
10	M21	Z	-.319	-.319	0	%100
11	M27	X	0	0	0	%100
12	M27	Z	-2.995	-2.995	0	%100
13	M33	X	0	0	0	%100
14	M33	Z	-.319	-.319	0	%100
15	M39	X	0	0	0	%100
16	M39	Z	-1.909	-1.909	0	%100
17	M41	X	0	0	0	%100
18	M41	Z	-1.909	-1.909	0	%100
19	M43	X	0	0	0	%100
20	M43	Z	-4.03	-4.03	0	%100
21	M50	X	0	0	0	%100
22	M50	Z	-.263	-.263	0	%100
23	M36	X	0	0	0	%100
24	M36	Z	-1.053	-1.053	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	-.263	-.263	0	%100
27	M41B	X	0	0	0	%100
28	M41B	Z	-1.008	-1.008	0	%100
29	M42A	X	0	0	0	%100
30	M42A	Z	-1.008	-1.008	0	%100
31	MP5A	X	0	0	0	%100
32	MP5A	Z	-2.923	-2.923	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,%]
33	MP4A	X	0	0	0	%100
34	MP4A	Z	-2.923	-2.923	0	%100
35	MP3A	X	0	0	0	%100
36	MP3A	Z	-2.923	-2.923	0	%100
37	MP2A	X	0	0	0	%100
38	MP2A	Z	-2.923	-2.923	0	%100
39	MP1A	X	0	0	0	%100
40	MP1A	Z	-2.923	-2.923	0	%100
41	MP5C	X	0	0	0	%100
42	MP5C	Z	-2.923	-2.923	0	%100
43	MP4C	X	0	0	0	%100
44	MP4C	Z	-2.923	-2.923	0	%100
45	MP3C	X	0	0	0	%100
46	MP3C	Z	-2.923	-2.923	0	%100
47	MP2C	X	0	0	0	%100
48	MP2C	Z	-2.923	-2.923	0	%100
49	MP1C	X	0	0	0	%100
50	MP1C	Z	-2.923	-2.923	0	%100
51	MP5B	X	0	0	0	%100
52	MP5B	Z	-2.923	-2.923	0	%100
53	MP4B	X	0	0	0	%100
54	MP4B	Z	-2.923	-2.923	0	%100
55	MP3B	X	0	0	0	%100
56	MP3B	Z	-2.923	-2.923	0	%100
57	MP2B	X	0	0	0	%100
58	MP2B	Z	-2.923	-2.923	0	%100
59	MP1B	X	0	0	0	%100
60	MP1B	Z	-2.923	-2.923	0	%100
61	M91	X	0	0	0	%100
62	M91	Z	-4.953	-4.953	0	%100
63	M88B	X	0	0	0	%100
64	M88B	Z	-6.516	-6.516	0	%100
65	M89A	X	0	0	0	%100
66	M89A	Z	-6.515	-6.515	0	%100
67	M82B	X	0	0	0	%100
68	M82B	Z	-1.238	-1.238	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	-1.629	-1.629	0	%100
71	M84A	X	0	0	0	%100
72	M84A	Z	-1.629	-1.629	0	%100
73	M86	X	0	0	0	%100
74	M86	Z	-1.238	-1.238	0	%100
75	M87	X	0	0	0	%100
76	M87	Z	-1.629	-1.629	0	%100
77	M88A	X	0	0	0	%100
78	M88A	Z	-1.629	-1.629	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	M76	X	.499	.499	0	%100
2	M76	Z	-.865	-.865	0	%100
3	M84	X	.478	.478	0	%100
4	M84	Z	-.828	-.828	0	%100
5	M28A	X	2.864	2.864	0	%100
6	M28A	Z	-4.96	-4.96	0	%100
7	M15	X	.499	.499	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,%]
8	M15	Z	-.865	-.865	0	%100
9	M21	X	.478	.478	0	%100
10	M21	Z	-.828	-.828	0	%100
11	M27	X	1.997	1.997	0	%100
12	M27	Z	-3.458	-3.458	0	%100
13	M33	X	0	0	0	%100
14	M33	Z	0	0	0	%100
15	M39	X	2.864	2.864	0	%100
16	M39	Z	-4.96	-4.96	0	%100
17	M41	X	0	0	0	%100
18	M41	Z	0	0	0	%100
19	M43	X	1.511	1.511	0	%100
20	M43	Z	-2.618	-2.618	0	%100
21	M50	X	0	0	0	%100
22	M50	Z	0	0	0	%100
23	M36	X	.395	.395	0	%100
24	M36	Z	-.684	-.684	0	%100
25	M40	X	.395	.395	0	%100
26	M40	Z	-.684	-.684	0	%100
27	M41B	X	1.511	1.511	0	%100
28	M41B	Z	-2.618	-2.618	0	%100
29	M42A	X	0	0	0	%100
30	M42A	Z	0	0	0	%100
31	MP5A	X	1.461	1.461	0	%100
32	MP5A	Z	-2.531	-2.531	0	%100
33	MP4A	X	1.461	1.461	0	%100
34	MP4A	Z	-2.531	-2.531	0	%100
35	MP3A	X	1.461	1.461	0	%100
36	MP3A	Z	-2.531	-2.531	0	%100
37	MP2A	X	1.461	1.461	0	%100
38	MP2A	Z	-2.531	-2.531	0	%100
39	MP1A	X	1.461	1.461	0	%100
40	MP1A	Z	-2.531	-2.531	0	%100
41	MP5C	X	1.461	1.461	0	%100
42	MP5C	Z	-2.531	-2.531	0	%100
43	MP4C	X	1.461	1.461	0	%100
44	MP4C	Z	-2.531	-2.531	0	%100
45	MP3C	X	1.461	1.461	0	%100
46	MP3C	Z	-2.531	-2.531	0	%100
47	MP2C	X	1.461	1.461	0	%100
48	MP2C	Z	-2.531	-2.531	0	%100
49	MP1C	X	1.461	1.461	0	%100
50	MP1C	Z	-2.531	-2.531	0	%100
51	MP5B	X	1.461	1.461	0	%100
52	MP5B	Z	-2.531	-2.531	0	%100
53	MP4B	X	1.461	1.461	0	%100
54	MP4B	Z	-2.531	-2.531	0	%100
55	MP3B	X	1.461	1.461	0	%100
56	MP3B	Z	-2.531	-2.531	0	%100
57	MP2B	X	1.461	1.461	0	%100
58	MP2B	Z	-2.531	-2.531	0	%100
59	MP1B	X	1.461	1.461	0	%100
60	MP1B	Z	-2.531	-2.531	0	%100
61	M91	X	1.857	1.857	0	%100
62	M91	Z	-3.217	-3.217	0	%100
63	M88B	X	2.444	2.444	0	%100
64	M88B	Z	-4.232	-4.232	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,%]
65	M89A	X	2.443	2.443	0	%100
66	M89A	Z	-4.232	-4.232	0	%100
67	M82B	X	1.857	1.857	0	%100
68	M82B	Z	-3.217	-3.217	0	%100
69	M83A	X	2.444	2.444	0	%100
70	M83A	Z	-4.232	-4.232	0	%100
71	M84A	X	2.443	2.443	0	%100
72	M84A	Z	-4.232	-4.232	0	%100
73	M86	X	0	0	0	%100
74	M86	Z	0	0	0	%100
75	M87	X	0	0	0	%100
76	M87	Z	0	0	0	%100
77	M88A	X	0	0	0	%100
78	M88A	Z	0	0	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	M76	X	2.594	2.594	0	%100
2	M76	Z	-1.498	-1.498	0	%100
3	M84	X	.276	.276	0	%100
4	M84	Z	-.159	-.159	0	%100
5	M28A	X	1.653	1.653	0	%100
6	M28A	Z	-.955	-.955	0	%100
7	M15	X	0	0	0	%100
8	M15	Z	0	0	0	%100
9	M21	X	1.104	1.104	0	%100
10	M21	Z	-.638	-.638	0	%100
11	M27	X	2.594	2.594	0	%100
12	M27	Z	-1.498	-1.498	0	%100
13	M33	X	.276	.276	0	%100
14	M33	Z	-.159	-.159	0	%100
15	M39	X	6.613	6.613	0	%100
16	M39	Z	-3.818	-3.818	0	%100
17	M41	X	1.653	1.653	0	%100
18	M41	Z	-.955	-.955	0	%100
19	M43	X	.873	.873	0	%100
20	M43	Z	-.504	-.504	0	%100
21	M50	X	.228	.228	0	%100
22	M50	Z	-.132	-.132	0	%100
23	M36	X	.228	.228	0	%100
24	M36	Z	-.132	-.132	0	%100
25	M40	X	.912	.912	0	%100
26	M40	Z	-.526	-.526	0	%100
27	M41B	X	3.49	3.49	0	%100
28	M41B	Z	-2.015	-2.015	0	%100
29	M42A	X	.873	.873	0	%100
30	M42A	Z	-.504	-.504	0	%100
31	MP5A	X	2.531	2.531	0	%100
32	MP5A	Z	-1.461	-1.461	0	%100
33	MP4A	X	2.531	2.531	0	%100
34	MP4A	Z	-1.461	-1.461	0	%100
35	MP3A	X	2.531	2.531	0	%100
36	MP3A	Z	-1.461	-1.461	0	%100
37	MP2A	X	2.531	2.531	0	%100
38	MP2A	Z	-1.461	-1.461	0	%100
39	MP1A	X	2.531	2.531	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,%]
40	MP1A	Z	-1.461	-1.461	0	%100
41	MP5C	X	2.531	2.531	0	%100
42	MP5C	Z	-1.461	-1.461	0	%100
43	MP4C	X	2.531	2.531	0	%100
44	MP4C	Z	-1.461	-1.461	0	%100
45	MP3C	X	2.531	2.531	0	%100
46	MP3C	Z	-1.461	-1.461	0	%100
47	MP2C	X	2.531	2.531	0	%100
48	MP2C	Z	-1.461	-1.461	0	%100
49	MP1C	X	2.531	2.531	0	%100
50	MP1C	Z	-1.461	-1.461	0	%100
51	MP5B	X	2.531	2.531	0	%100
52	MP5B	Z	-1.461	-1.461	0	%100
53	MP4B	X	2.531	2.531	0	%100
54	MP4B	Z	-1.461	-1.461	0	%100
55	MP3B	X	2.531	2.531	0	%100
56	MP3B	Z	-1.461	-1.461	0	%100
57	MP2B	X	2.531	2.531	0	%100
58	MP2B	Z	-1.461	-1.461	0	%100
59	MP1B	X	2.531	2.531	0	%100
60	MP1B	Z	-1.461	-1.461	0	%100
61	M91	X	1.072	1.072	0	%100
62	M91	Z	-.619	-.619	0	%100
63	M88B	X	1.411	1.411	0	%100
64	M88B	Z	-.815	-.815	0	%100
65	M89A	X	1.411	1.411	0	%100
66	M89A	Z	-.814	-.814	0	%100
67	M82B	X	4.289	4.289	0	%100
68	M82B	Z	-2.477	-2.477	0	%100
69	M83A	X	5.643	5.643	0	%100
70	M83A	Z	-3.258	-3.258	0	%100
71	M84A	X	5.642	5.642	0	%100
72	M84A	Z	-3.258	-3.258	0	%100
73	M86	X	1.072	1.072	0	%100
74	M86	Z	-.619	-.619	0	%100
75	M87	X	1.411	1.411	0	%100
76	M87	Z	-.815	-.815	0	%100
77	M88A	X	1.411	1.411	0	%100
78	M88A	Z	-.814	-.814	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	M76	X	3.993	3.993	0	%100
2	M76	Z	0	0	0	%100
3	M84	X	0	0	0	%100
4	M84	Z	0	0	0	%100
5	M28A	X	0	0	0	%100
6	M28A	Z	0	0	0	%100
7	M15	X	.998	.998	0	%100
8	M15	Z	0	0	0	%100
9	M21	X	.956	.956	0	%100
10	M21	Z	0	0	0	%100
11	M27	X	.998	.998	0	%100
12	M27	Z	0	0	0	%100
13	M33	X	.956	.956	0	%100
14	M33	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,%]
15	M39	X	5.727	5.727	0	%100
16	M39	Z	0	0	0	%100
17	M41	X	5.727	5.727	0	%100
18	M41	Z	0	0	0	%100
19	M43	X	0	0	0	%100
20	M43	Z	0	0	0	%100
21	M50	X	.79	.79	0	%100
22	M50	Z	0	0	0	%100
23	M36	X	0	0	0	%100
24	M36	Z	0	0	0	%100
25	M40	X	.79	.79	0	%100
26	M40	Z	0	0	0	%100
27	M41B	X	3.023	3.023	0	%100
28	M41B	Z	0	0	0	%100
29	M42A	X	3.023	3.023	0	%100
30	M42A	Z	0	0	0	%100
31	MP5A	X	2.923	2.923	0	%100
32	MP5A	Z	0	0	0	%100
33	MP4A	X	2.923	2.923	0	%100
34	MP4A	Z	0	0	0	%100
35	MP3A	X	2.923	2.923	0	%100
36	MP3A	Z	0	0	0	%100
37	MP2A	X	2.923	2.923	0	%100
38	MP2A	Z	0	0	0	%100
39	MP1A	X	2.923	2.923	0	%100
40	MP1A	Z	0	0	0	%100
41	MP5C	X	2.923	2.923	0	%100
42	MP5C	Z	0	0	0	%100
43	MP4C	X	2.923	2.923	0	%100
44	MP4C	Z	0	0	0	%100
45	MP3C	X	2.923	2.923	0	%100
46	MP3C	Z	0	0	0	%100
47	MP2C	X	2.923	2.923	0	%100
48	MP2C	Z	0	0	0	%100
49	MP1C	X	2.923	2.923	0	%100
50	MP1C	Z	0	0	0	%100
51	MP5B	X	2.923	2.923	0	%100
52	MP5B	Z	0	0	0	%100
53	MP4B	X	2.923	2.923	0	%100
54	MP4B	Z	0	0	0	%100
55	MP3B	X	2.923	2.923	0	%100
56	MP3B	Z	0	0	0	%100
57	MP2B	X	2.923	2.923	0	%100
58	MP2B	Z	0	0	0	%100
59	MP1B	X	2.923	2.923	0	%100
60	MP1B	Z	0	0	0	%100
61	M91	X	0	0	0	%100
62	M91	Z	0	0	0	%100
63	M88B	X	0	0	0	%100
64	M88B	Z	0	0	0	%100
65	M89A	X	0	0	0	%100
66	M89A	Z	0	0	0	%100
67	M82B	X	3.715	3.715	0	%100
68	M82B	Z	0	0	0	%100
69	M83A	X	4.887	4.887	0	%100
70	M83A	Z	0	0	0	%100
71	M84A	X	4.887	4.887	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,%]
72	M84A	Z	0	0	0	%100
73	M86	X	3.715	3.715	0	%100
74	M86	Z	0	0	0	%100
75	M87	X	4.887	4.887	0	%100
76	M87	Z	0	0	0	%100
77	M88A	X	4.887	4.887	0	%100
78	M88A	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	M76	X	2.594	2.594	0	%100
2	M76	Z	1.498	1.498	0	%100
3	M84	X	.276	.276	0	%100
4	M84	Z	.159	.159	0	%100
5	M28A	X	1.653	1.653	0	%100
6	M28A	Z	.955	.955	0	%100
7	M15	X	2.594	2.594	0	%100
8	M15	Z	1.498	1.498	0	%100
9	M21	X	.276	.276	0	%100
10	M21	Z	.159	.159	0	%100
11	M27	X	0	0	0	%100
12	M27	Z	0	0	0	%100
13	M33	X	1.104	1.104	0	%100
14	M33	Z	.638	.638	0	%100
15	M39	X	1.653	1.653	0	%100
16	M39	Z	.955	.955	0	%100
17	M41	X	6.613	6.613	0	%100
18	M41	Z	3.818	3.818	0	%100
19	M43	X	.873	.873	0	%100
20	M43	Z	.504	.504	0	%100
21	M50	X	.912	.912	0	%100
22	M50	Z	.526	.526	0	%100
23	M36	X	.228	.228	0	%100
24	M36	Z	.132	.132	0	%100
25	M40	X	.228	.228	0	%100
26	M40	Z	.132	.132	0	%100
27	M41B	X	.873	.873	0	%100
28	M41B	Z	.504	.504	0	%100
29	M42A	X	3.49	3.49	0	%100
30	M42A	Z	2.015	2.015	0	%100
31	MP5A	X	2.531	2.531	0	%100
32	MP5A	Z	1.461	1.461	0	%100
33	MP4A	X	2.531	2.531	0	%100
34	MP4A	Z	1.461	1.461	0	%100
35	MP3A	X	2.531	2.531	0	%100
36	MP3A	Z	1.461	1.461	0	%100
37	MP2A	X	2.531	2.531	0	%100
38	MP2A	Z	1.461	1.461	0	%100
39	MP1A	X	2.531	2.531	0	%100
40	MP1A	Z	1.461	1.461	0	%100
41	MP5C	X	2.531	2.531	0	%100
42	MP5C	Z	1.461	1.461	0	%100
43	MP4C	X	2.531	2.531	0	%100
44	MP4C	Z	1.461	1.461	0	%100
45	MP3C	X	2.531	2.531	0	%100
46	MP3C	Z	1.461	1.461	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,%]
47	MP2C	X	2.531	2.531	0	%100
48	MP2C	Z	1.461	1.461	0	%100
49	MP1C	X	2.531	2.531	0	%100
50	MP1C	Z	1.461	1.461	0	%100
51	MP5B	X	2.531	2.531	0	%100
52	MP5B	Z	1.461	1.461	0	%100
53	MP4B	X	2.531	2.531	0	%100
54	MP4B	Z	1.461	1.461	0	%100
55	MP3B	X	2.531	2.531	0	%100
56	MP3B	Z	1.461	1.461	0	%100
57	MP2B	X	2.531	2.531	0	%100
58	MP2B	Z	1.461	1.461	0	%100
59	MP1B	X	2.531	2.531	0	%100
60	MP1B	Z	1.461	1.461	0	%100
61	M91	X	1.072	1.072	0	%100
62	M91	Z	.619	.619	0	%100
63	M88B	X	1.411	1.411	0	%100
64	M88B	Z	.815	.815	0	%100
65	M89A	X	1.411	1.411	0	%100
66	M89A	Z	.814	.814	0	%100
67	M82B	X	1.072	1.072	0	%100
68	M82B	Z	.619	.619	0	%100
69	M83A	X	1.411	1.411	0	%100
70	M83A	Z	.815	.815	0	%100
71	M84A	X	1.411	1.411	0	%100
72	M84A	Z	.814	.814	0	%100
73	M86	X	4.289	4.289	0	%100
74	M86	Z	2.477	2.477	0	%100
75	M87	X	5.643	5.643	0	%100
76	M87	Z	3.258	3.258	0	%100
77	M88A	X	5.642	5.642	0	%100
78	M88A	Z	3.258	3.258	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	M76	X	.499	.499	0	%100
2	M76	Z	.865	.865	0	%100
3	M84	X	.478	.478	0	%100
4	M84	Z	.828	.828	0	%100
5	M28A	X	2.864	2.864	0	%100
6	M28A	Z	4.96	4.96	0	%100
7	M15	X	1.997	1.997	0	%100
8	M15	Z	3.458	3.458	0	%100
9	M21	X	0	0	0	%100
10	M21	Z	0	0	0	%100
11	M27	X	.499	.499	0	%100
12	M27	Z	.865	.865	0	%100
13	M33	X	.478	.478	0	%100
14	M33	Z	.828	.828	0	%100
15	M39	X	0	0	0	%100
16	M39	Z	0	0	0	%100
17	M41	X	2.864	2.864	0	%100
18	M41	Z	4.96	4.96	0	%100
19	M43	X	1.511	1.511	0	%100
20	M43	Z	2.618	2.618	0	%100
21	M50	X	.395	.395	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,%]
22	M50	Z	.684	.684	0	%100
23	M36	X	.395	.395	0	%100
24	M36	Z	.684	.684	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	0	0	0	%100
27	M41B	X	0	0	0	%100
28	M41B	Z	0	0	0	%100
29	M42A	X	1.511	1.511	0	%100
30	M42A	Z	2.618	2.618	0	%100
31	MP5A	X	1.461	1.461	0	%100
32	MP5A	Z	2.531	2.531	0	%100
33	MP4A	X	1.461	1.461	0	%100
34	MP4A	Z	2.531	2.531	0	%100
35	MP3A	X	1.461	1.461	0	%100
36	MP3A	Z	2.531	2.531	0	%100
37	MP2A	X	1.461	1.461	0	%100
38	MP2A	Z	2.531	2.531	0	%100
39	MP1A	X	1.461	1.461	0	%100
40	MP1A	Z	2.531	2.531	0	%100
41	MP5C	X	1.461	1.461	0	%100
42	MP5C	Z	2.531	2.531	0	%100
43	MP4C	X	1.461	1.461	0	%100
44	MP4C	Z	2.531	2.531	0	%100
45	MP3C	X	1.461	1.461	0	%100
46	MP3C	Z	2.531	2.531	0	%100
47	MP2C	X	1.461	1.461	0	%100
48	MP2C	Z	2.531	2.531	0	%100
49	MP1C	X	1.461	1.461	0	%100
50	MP1C	Z	2.531	2.531	0	%100
51	MP5B	X	1.461	1.461	0	%100
52	MP5B	Z	2.531	2.531	0	%100
53	MP4B	X	1.461	1.461	0	%100
54	MP4B	Z	2.531	2.531	0	%100
55	MP3B	X	1.461	1.461	0	%100
56	MP3B	Z	2.531	2.531	0	%100
57	MP2B	X	1.461	1.461	0	%100
58	MP2B	Z	2.531	2.531	0	%100
59	MP1B	X	1.461	1.461	0	%100
60	MP1B	Z	2.531	2.531	0	%100
61	M91	X	1.857	1.857	0	%100
62	M91	Z	3.217	3.217	0	%100
63	M88B	X	2.444	2.444	0	%100
64	M88B	Z	4.232	4.232	0	%100
65	M89A	X	2.443	2.443	0	%100
66	M89A	Z	4.232	4.232	0	%100
67	M82B	X	0	0	0	%100
68	M82B	Z	0	0	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	0	0	0	%100
71	M84A	X	0	0	0	%100
72	M84A	Z	0	0	0	%100
73	M86	X	1.857	1.857	0	%100
74	M86	Z	3.217	3.217	0	%100
75	M87	X	2.444	2.444	0	%100
76	M87	Z	4.232	4.232	0	%100
77	M88A	X	2.443	2.443	0	%100
78	M88A	Z	4.232	4.232	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	M76	X	0	0	0	%100
2	M76	Z	0	0	0	%100
3	M84	X	0	0	0	%100
4	M84	Z	1.275	1.275	0	%100
5	M28A	X	0	0	0	%100
6	M28A	Z	7.636	7.636	0	%100
7	M15	X	0	0	0	%100
8	M15	Z	2.995	2.995	0	%100
9	M21	X	0	0	0	%100
10	M21	Z	.319	.319	0	%100
11	M27	X	0	0	0	%100
12	M27	Z	2.995	2.995	0	%100
13	M33	X	0	0	0	%100
14	M33	Z	.319	.319	0	%100
15	M39	X	0	0	0	%100
16	M39	Z	1.909	1.909	0	%100
17	M41	X	0	0	0	%100
18	M41	Z	1.909	1.909	0	%100
19	M43	X	0	0	0	%100
20	M43	Z	4.03	4.03	0	%100
21	M50	X	0	0	0	%100
22	M50	Z	.263	.263	0	%100
23	M36	X	0	0	0	%100
24	M36	Z	1.053	1.053	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	.263	.263	0	%100
27	M41B	X	0	0	0	%100
28	M41B	Z	1.008	1.008	0	%100
29	M42A	X	0	0	0	%100
30	M42A	Z	1.008	1.008	0	%100
31	MP5A	X	0	0	0	%100
32	MP5A	Z	2.923	2.923	0	%100
33	MP4A	X	0	0	0	%100
34	MP4A	Z	2.923	2.923	0	%100
35	MP3A	X	0	0	0	%100
36	MP3A	Z	2.923	2.923	0	%100
37	MP2A	X	0	0	0	%100
38	MP2A	Z	2.923	2.923	0	%100
39	MP1A	X	0	0	0	%100
40	MP1A	Z	2.923	2.923	0	%100
41	MP5C	X	0	0	0	%100
42	MP5C	Z	2.923	2.923	0	%100
43	MP4C	X	0	0	0	%100
44	MP4C	Z	2.923	2.923	0	%100
45	MP3C	X	0	0	0	%100
46	MP3C	Z	2.923	2.923	0	%100
47	MP2C	X	0	0	0	%100
48	MP2C	Z	2.923	2.923	0	%100
49	MP1C	X	0	0	0	%100
50	MP1C	Z	2.923	2.923	0	%100
51	MP5B	X	0	0	0	%100
52	MP5B	Z	2.923	2.923	0	%100
53	MP4B	X	0	0	0	%100
54	MP4B	Z	2.923	2.923	0	%100
55	MP3B	X	0	0	0	%100
56	MP3B	Z	2.923	2.923	0	%100
57	MP2B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	MP2B	Z	2.923	2.923	0	%100
59	MP1B	X	0	0	0	%100
60	MP1B	Z	2.923	2.923	0	%100
61	M91	X	0	0	0	%100
62	M91	Z	4.953	4.953	0	%100
63	M88B	X	0	0	0	%100
64	M88B	Z	6.516	6.516	0	%100
65	M89A	X	0	0	0	%100
66	M89A	Z	6.515	6.515	0	%100
67	M82B	X	0	0	0	%100
68	M82B	Z	1.238	1.238	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	1.629	1.629	0	%100
71	M84A	X	0	0	0	%100
72	M84A	Z	1.629	1.629	0	%100
73	M86	X	0	0	0	%100
74	M86	Z	1.238	1.238	0	%100
75	M87	X	0	0	0	%100
76	M87	Z	1.629	1.629	0	%100
77	M88A	X	0	0	0	%100
78	M88A	Z	1.629	1.629	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	M76	X	-.499	-.499	0	%100
2	M76	Z	.865	.865	0	%100
3	M84	X	-.478	-.478	0	%100
4	M84	Z	.828	.828	0	%100
5	M28A	X	-2.864	-2.864	0	%100
6	M28A	Z	4.96	4.96	0	%100
7	M15	X	-.499	-.499	0	%100
8	M15	Z	.865	.865	0	%100
9	M21	X	-.478	-.478	0	%100
10	M21	Z	.828	.828	0	%100
11	M27	X	-1.997	-1.997	0	%100
12	M27	Z	3.458	3.458	0	%100
13	M33	X	0	0	0	%100
14	M33	Z	0	0	0	%100
15	M39	X	-2.864	-2.864	0	%100
16	M39	Z	4.96	4.96	0	%100
17	M41	X	0	0	0	%100
18	M41	Z	0	0	0	%100
19	M43	X	-1.511	-1.511	0	%100
20	M43	Z	2.618	2.618	0	%100
21	M50	X	0	0	0	%100
22	M50	Z	0	0	0	%100
23	M36	X	-.395	-.395	0	%100
24	M36	Z	.684	.684	0	%100
25	M40	X	-.395	-.395	0	%100
26	M40	Z	.684	.684	0	%100
27	M41B	X	-1.511	-1.511	0	%100
28	M41B	Z	2.618	2.618	0	%100
29	M42A	X	0	0	0	%100
30	M42A	Z	0	0	0	%100
31	MP5A	X	-1.461	-1.461	0	%100
32	MP5A	Z	2.531	2.531	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,%]
33	MP4A	X	-1.461	-1.461	0	%100
34	MP4A	Z	2.531	2.531	0	%100
35	MP3A	X	-1.461	-1.461	0	%100
36	MP3A	Z	2.531	2.531	0	%100
37	MP2A	X	-1.461	-1.461	0	%100
38	MP2A	Z	2.531	2.531	0	%100
39	MP1A	X	-1.461	-1.461	0	%100
40	MP1A	Z	2.531	2.531	0	%100
41	MP5C	X	-1.461	-1.461	0	%100
42	MP5C	Z	2.531	2.531	0	%100
43	MP4C	X	-1.461	-1.461	0	%100
44	MP4C	Z	2.531	2.531	0	%100
45	MP3C	X	-1.461	-1.461	0	%100
46	MP3C	Z	2.531	2.531	0	%100
47	MP2C	X	-1.461	-1.461	0	%100
48	MP2C	Z	2.531	2.531	0	%100
49	MP1C	X	-1.461	-1.461	0	%100
50	MP1C	Z	2.531	2.531	0	%100
51	MP5B	X	-1.461	-1.461	0	%100
52	MP5B	Z	2.531	2.531	0	%100
53	MP4B	X	-1.461	-1.461	0	%100
54	MP4B	Z	2.531	2.531	0	%100
55	MP3B	X	-1.461	-1.461	0	%100
56	MP3B	Z	2.531	2.531	0	%100
57	MP2B	X	-1.461	-1.461	0	%100
58	MP2B	Z	2.531	2.531	0	%100
59	MP1B	X	-1.461	-1.461	0	%100
60	MP1B	Z	2.531	2.531	0	%100
61	M91	X	-1.857	-1.857	0	%100
62	M91	Z	3.217	3.217	0	%100
63	M88B	X	-2.444	-2.444	0	%100
64	M88B	Z	4.232	4.232	0	%100
65	M89A	X	-2.443	-2.443	0	%100
66	M89A	Z	4.232	4.232	0	%100
67	M82B	X	-1.857	-1.857	0	%100
68	M82B	Z	3.217	3.217	0	%100
69	M83A	X	-2.444	-2.444	0	%100
70	M83A	Z	4.232	4.232	0	%100
71	M84A	X	-2.443	-2.443	0	%100
72	M84A	Z	4.232	4.232	0	%100
73	M86	X	0	0	0	%100
74	M86	Z	0	0	0	%100
75	M87	X	0	0	0	%100
76	M87	Z	0	0	0	%100
77	M88A	X	0	0	0	%100
78	M88A	Z	0	0	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	M76	X	-2.594	-2.594	0	%100
2	M76	Z	1.498	1.498	0	%100
3	M84	X	-.276	-.276	0	%100
4	M84	Z	.159	.159	0	%100
5	M28A	X	-1.653	-1.653	0	%100
6	M28A	Z	.955	.955	0	%100
7	M15	X	0	0	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,%]
8	M15	Z	0	0	0	%100
9	M21	X	-1.104	-1.104	0	%100
10	M21	Z	.638	.638	0	%100
11	M27	X	-2.594	-2.594	0	%100
12	M27	Z	1.498	1.498	0	%100
13	M33	X	-.276	-.276	0	%100
14	M33	Z	.159	.159	0	%100
15	M39	X	-6.613	-6.613	0	%100
16	M39	Z	3.818	3.818	0	%100
17	M41	X	-1.653	-1.653	0	%100
18	M41	Z	.955	.955	0	%100
19	M43	X	-.873	-.873	0	%100
20	M43	Z	.504	.504	0	%100
21	M50	X	-.228	-.228	0	%100
22	M50	Z	.132	.132	0	%100
23	M36	X	-.228	-.228	0	%100
24	M36	Z	.132	.132	0	%100
25	M40	X	-.912	-.912	0	%100
26	M40	Z	.526	.526	0	%100
27	M41B	X	-3.49	-3.49	0	%100
28	M41B	Z	2.015	2.015	0	%100
29	M42A	X	-.873	-.873	0	%100
30	M42A	Z	.504	.504	0	%100
31	MP5A	X	-2.531	-2.531	0	%100
32	MP5A	Z	1.461	1.461	0	%100
33	MP4A	X	-2.531	-2.531	0	%100
34	MP4A	Z	1.461	1.461	0	%100
35	MP3A	X	-2.531	-2.531	0	%100
36	MP3A	Z	1.461	1.461	0	%100
37	MP2A	X	-2.531	-2.531	0	%100
38	MP2A	Z	1.461	1.461	0	%100
39	MP1A	X	-2.531	-2.531	0	%100
40	MP1A	Z	1.461	1.461	0	%100
41	MP5C	X	-2.531	-2.531	0	%100
42	MP5C	Z	1.461	1.461	0	%100
43	MP4C	X	-2.531	-2.531	0	%100
44	MP4C	Z	1.461	1.461	0	%100
45	MP3C	X	-2.531	-2.531	0	%100
46	MP3C	Z	1.461	1.461	0	%100
47	MP2C	X	-2.531	-2.531	0	%100
48	MP2C	Z	1.461	1.461	0	%100
49	MP1C	X	-2.531	-2.531	0	%100
50	MP1C	Z	1.461	1.461	0	%100
51	MP5B	X	-2.531	-2.531	0	%100
52	MP5B	Z	1.461	1.461	0	%100
53	MP4B	X	-2.531	-2.531	0	%100
54	MP4B	Z	1.461	1.461	0	%100
55	MP3B	X	-2.531	-2.531	0	%100
56	MP3B	Z	1.461	1.461	0	%100
57	MP2B	X	-2.531	-2.531	0	%100
58	MP2B	Z	1.461	1.461	0	%100
59	MP1B	X	-2.531	-2.531	0	%100
60	MP1B	Z	1.461	1.461	0	%100
61	M91	X	-1.072	-1.072	0	%100
62	M91	Z	.619	.619	0	%100
63	M88B	X	-1.411	-1.411	0	%100
64	M88B	Z	.815	.815	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,%]
65	M89A	X	-1.411	-1.411	0	%100
66	M89A	Z	.814	.814	0	%100
67	M82B	X	-4.289	-4.289	0	%100
68	M82B	Z	2.477	2.477	0	%100
69	M83A	X	-5.643	-5.643	0	%100
70	M83A	Z	3.258	3.258	0	%100
71	M84A	X	-5.642	-5.642	0	%100
72	M84A	Z	3.258	3.258	0	%100
73	M86	X	-1.072	-1.072	0	%100
74	M86	Z	.619	.619	0	%100
75	M87	X	-1.411	-1.411	0	%100
76	M87	Z	.815	.815	0	%100
77	M88A	X	-1.411	-1.411	0	%100
78	M88A	Z	.814	.814	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	M76	X	-3.993	-3.993	0	%100
2	M76	Z	0	0	0	%100
3	M84	X	0	0	0	%100
4	M84	Z	0	0	0	%100
5	M28A	X	0	0	0	%100
6	M28A	Z	0	0	0	%100
7	M15	X	-.998	-.998	0	%100
8	M15	Z	0	0	0	%100
9	M21	X	-.956	-.956	0	%100
10	M21	Z	0	0	0	%100
11	M27	X	-.998	-.998	0	%100
12	M27	Z	0	0	0	%100
13	M33	X	-.956	-.956	0	%100
14	M33	Z	0	0	0	%100
15	M39	X	-5.727	-5.727	0	%100
16	M39	Z	0	0	0	%100
17	M41	X	-5.727	-5.727	0	%100
18	M41	Z	0	0	0	%100
19	M43	X	0	0	0	%100
20	M43	Z	0	0	0	%100
21	M50	X	-.79	-.79	0	%100
22	M50	Z	0	0	0	%100
23	M36	X	0	0	0	%100
24	M36	Z	0	0	0	%100
25	M40	X	-.79	-.79	0	%100
26	M40	Z	0	0	0	%100
27	M41B	X	-3.023	-3.023	0	%100
28	M41B	Z	0	0	0	%100
29	M42A	X	-3.023	-3.023	0	%100
30	M42A	Z	0	0	0	%100
31	MP5A	X	-2.923	-2.923	0	%100
32	MP5A	Z	0	0	0	%100
33	MP4A	X	-2.923	-2.923	0	%100
34	MP4A	Z	0	0	0	%100
35	MP3A	X	-2.923	-2.923	0	%100
36	MP3A	Z	0	0	0	%100
37	MP2A	X	-2.923	-2.923	0	%100
38	MP2A	Z	0	0	0	%100
39	MP1A	X	-2.923	-2.923	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,%]
40	MP1A	Z	0	0	0	%100
41	MP5C	X	-2.923	-2.923	0	%100
42	MP5C	Z	0	0	0	%100
43	MP4C	X	-2.923	-2.923	0	%100
44	MP4C	Z	0	0	0	%100
45	MP3C	X	-2.923	-2.923	0	%100
46	MP3C	Z	0	0	0	%100
47	MP2C	X	-2.923	-2.923	0	%100
48	MP2C	Z	0	0	0	%100
49	MP1C	X	-2.923	-2.923	0	%100
50	MP1C	Z	0	0	0	%100
51	MP5B	X	-2.923	-2.923	0	%100
52	MP5B	Z	0	0	0	%100
53	MP4B	X	-2.923	-2.923	0	%100
54	MP4B	Z	0	0	0	%100
55	MP3B	X	-2.923	-2.923	0	%100
56	MP3B	Z	0	0	0	%100
57	MP2B	X	-2.923	-2.923	0	%100
58	MP2B	Z	0	0	0	%100
59	MP1B	X	-2.923	-2.923	0	%100
60	MP1B	Z	0	0	0	%100
61	M91	X	0	0	0	%100
62	M91	Z	0	0	0	%100
63	M88B	X	0	0	0	%100
64	M88B	Z	0	0	0	%100
65	M89A	X	0	0	0	%100
66	M89A	Z	0	0	0	%100
67	M82B	X	-3.715	-3.715	0	%100
68	M82B	Z	0	0	0	%100
69	M83A	X	-4.887	-4.887	0	%100
70	M83A	Z	0	0	0	%100
71	M84A	X	-4.887	-4.887	0	%100
72	M84A	Z	0	0	0	%100
73	M86	X	-3.715	-3.715	0	%100
74	M86	Z	0	0	0	%100
75	M87	X	-4.887	-4.887	0	%100
76	M87	Z	0	0	0	%100
77	M88A	X	-4.887	-4.887	0	%100
78	M88A	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	M76	X	-2.594	-2.594	0	%100
2	M76	Z	-1.498	-1.498	0	%100
3	M84	X	-.276	-.276	0	%100
4	M84	Z	-.159	-.159	0	%100
5	M28A	X	-1.653	-1.653	0	%100
6	M28A	Z	-.955	-.955	0	%100
7	M15	X	-2.594	-2.594	0	%100
8	M15	Z	-1.498	-1.498	0	%100
9	M21	X	-.276	-.276	0	%100
10	M21	Z	-.159	-.159	0	%100
11	M27	X	0	0	0	%100
12	M27	Z	0	0	0	%100
13	M33	X	-1.104	-1.104	0	%100
14	M33	Z	-.638	-.638	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,%]
15	M39	X	-1.653	-1.653	0	%100
16	M39	Z	-.955	-.955	0	%100
17	M41	X	-6.613	-6.613	0	%100
18	M41	Z	-3.818	-3.818	0	%100
19	M43	X	-.873	-.873	0	%100
20	M43	Z	-.504	-.504	0	%100
21	M50	X	-.912	-.912	0	%100
22	M50	Z	-.526	-.526	0	%100
23	M36	X	-.228	-.228	0	%100
24	M36	Z	-.132	-.132	0	%100
25	M40	X	-.228	-.228	0	%100
26	M40	Z	-.132	-.132	0	%100
27	M41B	X	-.873	-.873	0	%100
28	M41B	Z	-.504	-.504	0	%100
29	M42A	X	-3.49	-3.49	0	%100
30	M42A	Z	-2.015	-2.015	0	%100
31	MP5A	X	-2.531	-2.531	0	%100
32	MP5A	Z	-1.461	-1.461	0	%100
33	MP4A	X	-2.531	-2.531	0	%100
34	MP4A	Z	-1.461	-1.461	0	%100
35	MP3A	X	-2.531	-2.531	0	%100
36	MP3A	Z	-1.461	-1.461	0	%100
37	MP2A	X	-2.531	-2.531	0	%100
38	MP2A	Z	-1.461	-1.461	0	%100
39	MP1A	X	-2.531	-2.531	0	%100
40	MP1A	Z	-1.461	-1.461	0	%100
41	MP5C	X	-2.531	-2.531	0	%100
42	MP5C	Z	-1.461	-1.461	0	%100
43	MP4C	X	-2.531	-2.531	0	%100
44	MP4C	Z	-1.461	-1.461	0	%100
45	MP3C	X	-2.531	-2.531	0	%100
46	MP3C	Z	-1.461	-1.461	0	%100
47	MP2C	X	-2.531	-2.531	0	%100
48	MP2C	Z	-1.461	-1.461	0	%100
49	MP1C	X	-2.531	-2.531	0	%100
50	MP1C	Z	-1.461	-1.461	0	%100
51	MP5B	X	-2.531	-2.531	0	%100
52	MP5B	Z	-1.461	-1.461	0	%100
53	MP4B	X	-2.531	-2.531	0	%100
54	MP4B	Z	-1.461	-1.461	0	%100
55	MP3B	X	-2.531	-2.531	0	%100
56	MP3B	Z	-1.461	-1.461	0	%100
57	MP2B	X	-2.531	-2.531	0	%100
58	MP2B	Z	-1.461	-1.461	0	%100
59	MP1B	X	-2.531	-2.531	0	%100
60	MP1B	Z	-1.461	-1.461	0	%100
61	M91	X	-1.072	-1.072	0	%100
62	M91	Z	-.619	-.619	0	%100
63	M88B	X	-1.411	-1.411	0	%100
64	M88B	Z	-.815	-.815	0	%100
65	M89A	X	-1.411	-1.411	0	%100
66	M89A	Z	-.814	-.814	0	%100
67	M82B	X	-1.072	-1.072	0	%100
68	M82B	Z	-.619	-.619	0	%100
69	M83A	X	-1.411	-1.411	0	%100
70	M83A	Z	-.815	-.815	0	%100
71	M84A	X	-1.411	-1.411	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,%]
72	M84A	Z	-.814	-.814	0	%100
73	M86	X	-4.289	-4.289	0	%100
74	M86	Z	-2.477	-2.477	0	%100
75	M87	X	-5.643	-5.643	0	%100
76	M87	Z	-3.258	-3.258	0	%100
77	M88A	X	-5.642	-5.642	0	%100
78	M88A	Z	-3.258	-3.258	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	M76	X	-.499	-.499	0	%100
2	M76	Z	-.865	-.865	0	%100
3	M84	X	-.478	-.478	0	%100
4	M84	Z	-.828	-.828	0	%100
5	M28A	X	-2.864	-2.864	0	%100
6	M28A	Z	-4.96	-4.96	0	%100
7	M15	X	-1.997	-1.997	0	%100
8	M15	Z	-3.458	-3.458	0	%100
9	M21	X	0	0	0	%100
10	M21	Z	0	0	0	%100
11	M27	X	-.499	-.499	0	%100
12	M27	Z	-.865	-.865	0	%100
13	M33	X	-.478	-.478	0	%100
14	M33	Z	-.828	-.828	0	%100
15	M39	X	0	0	0	%100
16	M39	Z	0	0	0	%100
17	M41	X	-2.864	-2.864	0	%100
18	M41	Z	-4.96	-4.96	0	%100
19	M43	X	-1.511	-1.511	0	%100
20	M43	Z	-2.618	-2.618	0	%100
21	M50	X	-.395	-.395	0	%100
22	M50	Z	-.684	-.684	0	%100
23	M36	X	-.395	-.395	0	%100
24	M36	Z	-.684	-.684	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	0	0	0	%100
27	M41B	X	0	0	0	%100
28	M41B	Z	0	0	0	%100
29	M42A	X	-1.511	-1.511	0	%100
30	M42A	Z	-2.618	-2.618	0	%100
31	MP5A	X	-1.461	-1.461	0	%100
32	MP5A	Z	-2.531	-2.531	0	%100
33	MP4A	X	-1.461	-1.461	0	%100
34	MP4A	Z	-2.531	-2.531	0	%100
35	MP3A	X	-1.461	-1.461	0	%100
36	MP3A	Z	-2.531	-2.531	0	%100
37	MP2A	X	-1.461	-1.461	0	%100
38	MP2A	Z	-2.531	-2.531	0	%100
39	MP1A	X	-1.461	-1.461	0	%100
40	MP1A	Z	-2.531	-2.531	0	%100
41	MP5C	X	-1.461	-1.461	0	%100
42	MP5C	Z	-2.531	-2.531	0	%100
43	MP4C	X	-1.461	-1.461	0	%100
44	MP4C	Z	-2.531	-2.531	0	%100
45	MP3C	X	-1.461	-1.461	0	%100
46	MP3C	Z	-2.531	-2.531	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,%]
47	MP2C	X	-1.461	-1.461	0	%100
48	MP2C	Z	-2.531	-2.531	0	%100
49	MP1C	X	-1.461	-1.461	0	%100
50	MP1C	Z	-2.531	-2.531	0	%100
51	MP5B	X	-1.461	-1.461	0	%100
52	MP5B	Z	-2.531	-2.531	0	%100
53	MP4B	X	-1.461	-1.461	0	%100
54	MP4B	Z	-2.531	-2.531	0	%100
55	MP3B	X	-1.461	-1.461	0	%100
56	MP3B	Z	-2.531	-2.531	0	%100
57	MP2B	X	-1.461	-1.461	0	%100
58	MP2B	Z	-2.531	-2.531	0	%100
59	MP1B	X	-1.461	-1.461	0	%100
60	MP1B	Z	-2.531	-2.531	0	%100
61	M91	X	-1.857	-1.857	0	%100
62	M91	Z	-3.217	-3.217	0	%100
63	M88B	X	-2.444	-2.444	0	%100
64	M88B	Z	-4.232	-4.232	0	%100
65	M89A	X	-2.443	-2.443	0	%100
66	M89A	Z	-4.232	-4.232	0	%100
67	M82B	X	0	0	0	%100
68	M82B	Z	0	0	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	0	0	0	%100
71	M84A	X	0	0	0	%100
72	M84A	Z	0	0	0	%100
73	M86	X	-1.857	-1.857	0	%100
74	M86	Z	-3.217	-3.217	0	%100
75	M87	X	-2.444	-2.444	0	%100
76	M87	Z	-4.232	-4.232	0	%100
77	M88A	X	-2.443	-2.443	0	%100
78	M88A	Z	-4.232	-4.232	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	M76	X	0	0	0	%100
2	M76	Z	0	0	0	%100
3	M84	X	0	0	0	%100
4	M84	Z	-.111	-.111	0	%100
5	M28A	X	0	0	0	%100
6	M28A	Z	-2.225	-2.225	0	%100
7	M15	X	0	0	0	%100
8	M15	Z	-.686	-.686	0	%100
9	M21	X	0	0	0	%100
10	M21	Z	-.028	-.028	0	%100
11	M27	X	0	0	0	%100
12	M27	Z	-.686	-.686	0	%100
13	M33	X	0	0	0	%100
14	M33	Z	-.028	-.028	0	%100
15	M39	X	0	0	0	%100
16	M39	Z	-.556	-.556	0	%100
17	M41	X	0	0	0	%100
18	M41	Z	-.556	-.556	0	%100
19	M43	X	0	0	0	%100
20	M43	Z	-.927	-.927	0	%100
21	M50	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,%]
22	M50	Z	-.014	-.014	0	%100
23	M36	X	0	0	0	%100
24	M36	Z	-.056	-.056	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	-.014	-.014	0	%100
27	M41B	X	0	0	0	%100
28	M41B	Z	-.232	-.232	0	%100
29	M42A	X	0	0	0	%100
30	M42A	Z	-.232	-.232	0	%100
31	MP5A	X	0	0	0	%100
32	MP5A	Z	-.529	-.529	0	%100
33	MP4A	X	0	0	0	%100
34	MP4A	Z	-.529	-.529	0	%100
35	MP3A	X	0	0	0	%100
36	MP3A	Z	-.529	-.529	0	%100
37	MP2A	X	0	0	0	%100
38	MP2A	Z	-.529	-.529	0	%100
39	MP1A	X	0	0	0	%100
40	MP1A	Z	-.529	-.529	0	%100
41	MP5C	X	0	0	0	%100
42	MP5C	Z	-.529	-.529	0	%100
43	MP4C	X	0	0	0	%100
44	MP4C	Z	-.529	-.529	0	%100
45	MP3C	X	0	0	0	%100
46	MP3C	Z	-.529	-.529	0	%100
47	MP2C	X	0	0	0	%100
48	MP2C	Z	-.529	-.529	0	%100
49	MP1C	X	0	0	0	%100
50	MP1C	Z	-.529	-.529	0	%100
51	MP5B	X	0	0	0	%100
52	MP5B	Z	-.529	-.529	0	%100
53	MP4B	X	0	0	0	%100
54	MP4B	Z	-.529	-.529	0	%100
55	MP3B	X	0	0	0	%100
56	MP3B	Z	-.529	-.529	0	%100
57	MP2B	X	0	0	0	%100
58	MP2B	Z	-.529	-.529	0	%100
59	MP1B	X	0	0	0	%100
60	MP1B	Z	-.529	-.529	0	%100
61	M91	X	0	0	0	%100
62	M91	Z	-1.259	-1.259	0	%100
63	M88B	X	0	0	0	%100
64	M88B	Z	-2.04	-2.04	0	%100
65	M89A	X	0	0	0	%100
66	M89A	Z	-2.04	-2.04	0	%100
67	M82B	X	0	0	0	%100
68	M82B	Z	-.315	-.315	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	-.51	-.51	0	%100
71	M84A	X	0	0	0	%100
72	M84A	Z	-.51	-.51	0	%100
73	M86	X	0	0	0	%100
74	M86	Z	-.315	-.315	0	%100
75	M87	X	0	0	0	%100
76	M87	Z	-.51	-.51	0	%100
77	M88A	X	0	0	0	%100
78	M88A	Z	-.51	-.51	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	M76	X	.114	.114	0	%100
2	M76	Z	-.198	-.198	0	%100
3	M84	X	.042	.042	0	%100
4	M84	Z	-.072	-.072	0	%100
5	M28A	X	.835	.835	0	%100
6	M28A	Z	-1.446	-1.446	0	%100
7	M15	X	.114	.114	0	%100
8	M15	Z	-.198	-.198	0	%100
9	M21	X	.042	.042	0	%100
10	M21	Z	-.072	-.072	0	%100
11	M27	X	.457	.457	0	%100
12	M27	Z	-.792	-.792	0	%100
13	M33	X	0	0	0	%100
14	M33	Z	0	0	0	%100
15	M39	X	.835	.835	0	%100
16	M39	Z	-1.446	-1.446	0	%100
17	M41	X	0	0	0	%100
18	M41	Z	0	0	0	%100
19	M43	X	.348	.348	0	%100
20	M43	Z	-.602	-.602	0	%100
21	M50	X	0	0	0	%100
22	M50	Z	0	0	0	%100
23	M36	X	.021	.021	0	%100
24	M36	Z	-.036	-.036	0	%100
25	M40	X	.021	.021	0	%100
26	M40	Z	-.036	-.036	0	%100
27	M41B	X	.348	.348	0	%100
28	M41B	Z	-.602	-.602	0	%100
29	M42A	X	0	0	0	%100
30	M42A	Z	0	0	0	%100
31	MP5A	X	.264	.264	0	%100
32	MP5A	Z	-.458	-.458	0	%100
33	MP4A	X	.264	.264	0	%100
34	MP4A	Z	-.458	-.458	0	%100
35	MP3A	X	.264	.264	0	%100
36	MP3A	Z	-.458	-.458	0	%100
37	MP2A	X	.264	.264	0	%100
38	MP2A	Z	-.458	-.458	0	%100
39	MP1A	X	.264	.264	0	%100
40	MP1A	Z	-.458	-.458	0	%100
41	MP5C	X	.264	.264	0	%100
42	MP5C	Z	-.458	-.458	0	%100
43	MP4C	X	.264	.264	0	%100
44	MP4C	Z	-.458	-.458	0	%100
45	MP3C	X	.264	.264	0	%100
46	MP3C	Z	-.458	-.458	0	%100
47	MP2C	X	.264	.264	0	%100
48	MP2C	Z	-.458	-.458	0	%100
49	MP1C	X	.264	.264	0	%100
50	MP1C	Z	-.458	-.458	0	%100
51	MP5B	X	.264	.264	0	%100
52	MP5B	Z	-.458	-.458	0	%100
53	MP4B	X	.264	.264	0	%100
54	MP4B	Z	-.458	-.458	0	%100
55	MP3B	X	.264	.264	0	%100
56	MP3B	Z	-.458	-.458	0	%100
57	MP2B	X	.264	.264	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,%]
58	MP2B	Z	-.458	-.458	0	%100
59	MP1B	X	.264	.264	0	%100
60	MP1B	Z	-.458	-.458	0	%100
61	M91	X	.472	.472	0	%100
62	M91	Z	-.818	-.818	0	%100
63	M88B	X	.765	.765	0	%100
64	M88B	Z	-1.325	-1.325	0	%100
65	M89A	X	.765	.765	0	%100
66	M89A	Z	-1.325	-1.325	0	%100
67	M82B	X	.472	.472	0	%100
68	M82B	Z	-.818	-.818	0	%100
69	M83A	X	.765	.765	0	%100
70	M83A	Z	-1.325	-1.325	0	%100
71	M84A	X	.765	.765	0	%100
72	M84A	Z	-1.325	-1.325	0	%100
73	M86	X	0	0	0	%100
74	M86	Z	0	0	0	%100
75	M87	X	0	0	0	%100
76	M87	Z	0	0	0	%100
77	M88A	X	0	0	0	%100
78	M88A	Z	0	0	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	M76	X	.594	.594	0	%100
2	M76	Z	-.343	-.343	0	%100
3	M84	X	.024	.024	0	%100
4	M84	Z	-.014	-.014	0	%100
5	M28A	X	.482	.482	0	%100
6	M28A	Z	-.278	-.278	0	%100
7	M15	X	0	0	0	%100
8	M15	Z	0	0	0	%100
9	M21	X	.096	.096	0	%100
10	M21	Z	-.056	-.056	0	%100
11	M27	X	.594	.594	0	%100
12	M27	Z	-.343	-.343	0	%100
13	M33	X	.024	.024	0	%100
14	M33	Z	-.014	-.014	0	%100
15	M39	X	1.927	1.927	0	%100
16	M39	Z	-1.113	-1.113	0	%100
17	M41	X	.482	.482	0	%100
18	M41	Z	-.278	-.278	0	%100
19	M43	X	.201	.201	0	%100
20	M43	Z	-.116	-.116	0	%100
21	M50	X	.012	.012	0	%100
22	M50	Z	-.007	-.007	0	%100
23	M36	X	.012	.012	0	%100
24	M36	Z	-.007	-.007	0	%100
25	M40	X	.048	.048	0	%100
26	M40	Z	-.028	-.028	0	%100
27	M41B	X	.803	.803	0	%100
28	M41B	Z	-.464	-.464	0	%100
29	M42A	X	.201	.201	0	%100
30	M42A	Z	-.116	-.116	0	%100
31	MP5A	X	.458	.458	0	%100
32	MP5A	Z	-.264	-.264	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,%]
33	MP4A	X	.458	.458	0	%100
34	MP4A	Z	-.264	-.264	0	%100
35	MP3A	X	.458	.458	0	%100
36	MP3A	Z	-.264	-.264	0	%100
37	MP2A	X	.458	.458	0	%100
38	MP2A	Z	-.264	-.264	0	%100
39	MP1A	X	.458	.458	0	%100
40	MP1A	Z	-.264	-.264	0	%100
41	MP5C	X	.458	.458	0	%100
42	MP5C	Z	-.264	-.264	0	%100
43	MP4C	X	.458	.458	0	%100
44	MP4C	Z	-.264	-.264	0	%100
45	MP3C	X	.458	.458	0	%100
46	MP3C	Z	-.264	-.264	0	%100
47	MP2C	X	.458	.458	0	%100
48	MP2C	Z	-.264	-.264	0	%100
49	MP1C	X	.458	.458	0	%100
50	MP1C	Z	-.264	-.264	0	%100
51	MP5B	X	.458	.458	0	%100
52	MP5B	Z	-.264	-.264	0	%100
53	MP4B	X	.458	.458	0	%100
54	MP4B	Z	-.264	-.264	0	%100
55	MP3B	X	.458	.458	0	%100
56	MP3B	Z	-.264	-.264	0	%100
57	MP2B	X	.458	.458	0	%100
58	MP2B	Z	-.264	-.264	0	%100
59	MP1B	X	.458	.458	0	%100
60	MP1B	Z	-.264	-.264	0	%100
61	M91	X	.273	.273	0	%100
62	M91	Z	-.157	-.157	0	%100
63	M88B	X	.442	.442	0	%100
64	M88B	Z	-.255	-.255	0	%100
65	M89A	X	.442	.442	0	%100
66	M89A	Z	-.255	-.255	0	%100
67	M82B	X	1.091	1.091	0	%100
68	M82B	Z	-.63	-.63	0	%100
69	M83A	X	1.767	1.767	0	%100
70	M83A	Z	-1.02	-1.02	0	%100
71	M84A	X	1.767	1.767	0	%100
72	M84A	Z	-1.02	-1.02	0	%100
73	M86	X	.273	.273	0	%100
74	M86	Z	-.157	-.157	0	%100
75	M87	X	.442	.442	0	%100
76	M87	Z	-.255	-.255	0	%100
77	M88A	X	.442	.442	0	%100
78	M88A	Z	-.255	-.255	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	M76	X	.914	.914	0	%100
2	M76	Z	0	0	0	%100
3	M84	X	0	0	0	%100
4	M84	Z	0	0	0	%100
5	M28A	X	0	0	0	%100
6	M28A	Z	0	0	0	%100
7	M15	X	.229	.229	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,%]
8	M15	Z	0	0	0	%100
9	M21	X	.083	.083	0	%100
10	M21	Z	0	0	0	%100
11	M27	X	.229	.229	0	%100
12	M27	Z	0	0	0	%100
13	M33	X	.083	.083	0	%100
14	M33	Z	0	0	0	%100
15	M39	X	1.669	1.669	0	%100
16	M39	Z	0	0	0	%100
17	M41	X	1.669	1.669	0	%100
18	M41	Z	0	0	0	%100
19	M43	X	0	0	0	%100
20	M43	Z	0	0	0	%100
21	M50	X	.042	.042	0	%100
22	M50	Z	0	0	0	%100
23	M36	X	0	0	0	%100
24	M36	Z	0	0	0	%100
25	M40	X	.042	.042	0	%100
26	M40	Z	0	0	0	%100
27	M41B	X	.695	.695	0	%100
28	M41B	Z	0	0	0	%100
29	M42A	X	.695	.695	0	%100
30	M42A	Z	0	0	0	%100
31	MP5A	X	.529	.529	0	%100
32	MP5A	Z	0	0	0	%100
33	MP4A	X	.529	.529	0	%100
34	MP4A	Z	0	0	0	%100
35	MP3A	X	.529	.529	0	%100
36	MP3A	Z	0	0	0	%100
37	MP2A	X	.529	.529	0	%100
38	MP2A	Z	0	0	0	%100
39	MP1A	X	.529	.529	0	%100
40	MP1A	Z	0	0	0	%100
41	MP5C	X	.529	.529	0	%100
42	MP5C	Z	0	0	0	%100
43	MP4C	X	.529	.529	0	%100
44	MP4C	Z	0	0	0	%100
45	MP3C	X	.529	.529	0	%100
46	MP3C	Z	0	0	0	%100
47	MP2C	X	.529	.529	0	%100
48	MP2C	Z	0	0	0	%100
49	MP1C	X	.529	.529	0	%100
50	MP1C	Z	0	0	0	%100
51	MP5B	X	.529	.529	0	%100
52	MP5B	Z	0	0	0	%100
53	MP4B	X	.529	.529	0	%100
54	MP4B	Z	0	0	0	%100
55	MP3B	X	.529	.529	0	%100
56	MP3B	Z	0	0	0	%100
57	MP2B	X	.529	.529	0	%100
58	MP2B	Z	0	0	0	%100
59	MP1B	X	.529	.529	0	%100
60	MP1B	Z	0	0	0	%100
61	M91	X	0	0	0	%100
62	M91	Z	0	0	0	%100
63	M88B	X	0	0	0	%100
64	M88B	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,%]
65	M89A	X	0	0	0	%100
66	M89A	Z	0	0	0	%100
67	M82B	X	.945	.945	0	%100
68	M82B	Z	0	0	0	%100
69	M83A	X	1.53	1.53	0	%100
70	M83A	Z	0	0	0	%100
71	M84A	X	1.53	1.53	0	%100
72	M84A	Z	0	0	0	%100
73	M86	X	.945	.945	0	%100
74	M86	Z	0	0	0	%100
75	M87	X	1.53	1.53	0	%100
76	M87	Z	0	0	0	%100
77	M88A	X	1.53	1.53	0	%100
78	M88A	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	M76	X	.594	.594	0	%100
2	M76	Z	.343	.343	0	%100
3	M84	X	.024	.024	0	%100
4	M84	Z	.014	.014	0	%100
5	M28A	X	.482	.482	0	%100
6	M28A	Z	.278	.278	0	%100
7	M15	X	.594	.594	0	%100
8	M15	Z	.343	.343	0	%100
9	M21	X	.024	.024	0	%100
10	M21	Z	.014	.014	0	%100
11	M27	X	0	0	0	%100
12	M27	Z	0	0	0	%100
13	M33	X	.096	.096	0	%100
14	M33	Z	.056	.056	0	%100
15	M39	X	.482	.482	0	%100
16	M39	Z	.278	.278	0	%100
17	M41	X	1.927	1.927	0	%100
18	M41	Z	1.113	1.113	0	%100
19	M43	X	.201	.201	0	%100
20	M43	Z	.116	.116	0	%100
21	M50	X	.048	.048	0	%100
22	M50	Z	.028	.028	0	%100
23	M36	X	.012	.012	0	%100
24	M36	Z	.007	.007	0	%100
25	M40	X	.012	.012	0	%100
26	M40	Z	.007	.007	0	%100
27	M41B	X	.201	.201	0	%100
28	M41B	Z	.116	.116	0	%100
29	M42A	X	.803	.803	0	%100
30	M42A	Z	.464	.464	0	%100
31	MP5A	X	.458	.458	0	%100
32	MP5A	Z	.264	.264	0	%100
33	MP4A	X	.458	.458	0	%100
34	MP4A	Z	.264	.264	0	%100
35	MP3A	X	.458	.458	0	%100
36	MP3A	Z	.264	.264	0	%100
37	MP2A	X	.458	.458	0	%100
38	MP2A	Z	.264	.264	0	%100
39	MP1A	X	.458	.458	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,%]
40	MP1A	Z	.264	.264	0	%100
41	MP5C	X	.458	.458	0	%100
42	MP5C	Z	.264	.264	0	%100
43	MP4C	X	.458	.458	0	%100
44	MP4C	Z	.264	.264	0	%100
45	MP3C	X	.458	.458	0	%100
46	MP3C	Z	.264	.264	0	%100
47	MP2C	X	.458	.458	0	%100
48	MP2C	Z	.264	.264	0	%100
49	MP1C	X	.458	.458	0	%100
50	MP1C	Z	.264	.264	0	%100
51	MP5B	X	.458	.458	0	%100
52	MP5B	Z	.264	.264	0	%100
53	MP4B	X	.458	.458	0	%100
54	MP4B	Z	.264	.264	0	%100
55	MP3B	X	.458	.458	0	%100
56	MP3B	Z	.264	.264	0	%100
57	MP2B	X	.458	.458	0	%100
58	MP2B	Z	.264	.264	0	%100
59	MP1B	X	.458	.458	0	%100
60	MP1B	Z	.264	.264	0	%100
61	M91	X	.273	.273	0	%100
62	M91	Z	.157	.157	0	%100
63	M88B	X	.442	.442	0	%100
64	M88B	Z	.255	.255	0	%100
65	M89A	X	.442	.442	0	%100
66	M89A	Z	.255	.255	0	%100
67	M82B	X	.273	.273	0	%100
68	M82B	Z	.157	.157	0	%100
69	M83A	X	.442	.442	0	%100
70	M83A	Z	.255	.255	0	%100
71	M84A	X	.442	.442	0	%100
72	M84A	Z	.255	.255	0	%100
73	M86	X	1.091	1.091	0	%100
74	M86	Z	.63	.63	0	%100
75	M87	X	1.767	1.767	0	%100
76	M87	Z	1.02	1.02	0	%100
77	M88A	X	1.767	1.767	0	%100
78	M88A	Z	1.02	1.02	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	M76	X	.114	.114	0	%100
2	M76	Z	.198	.198	0	%100
3	M84	X	.042	.042	0	%100
4	M84	Z	.072	.072	0	%100
5	M28A	X	.835	.835	0	%100
6	M28A	Z	1.446	1.446	0	%100
7	M15	X	.457	.457	0	%100
8	M15	Z	.792	.792	0	%100
9	M21	X	0	0	0	%100
10	M21	Z	0	0	0	%100
11	M27	X	.114	.114	0	%100
12	M27	Z	.198	.198	0	%100
13	M33	X	.042	.042	0	%100
14	M33	Z	.072	.072	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,%]
15	M39	X	0	0	0	%100
16	M39	Z	0	0	0	%100
17	M41	X	.835	.835	0	%100
18	M41	Z	1.446	1.446	0	%100
19	M43	X	.348	.348	0	%100
20	M43	Z	.602	.602	0	%100
21	M50	X	.021	.021	0	%100
22	M50	Z	.036	.036	0	%100
23	M36	X	.021	.021	0	%100
24	M36	Z	.036	.036	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	0	0	0	%100
27	M41B	X	0	0	0	%100
28	M41B	Z	0	0	0	%100
29	M42A	X	.348	.348	0	%100
30	M42A	Z	.602	.602	0	%100
31	MP5A	X	.264	.264	0	%100
32	MP5A	Z	.458	.458	0	%100
33	MP4A	X	.264	.264	0	%100
34	MP4A	Z	.458	.458	0	%100
35	MP3A	X	.264	.264	0	%100
36	MP3A	Z	.458	.458	0	%100
37	MP2A	X	.264	.264	0	%100
38	MP2A	Z	.458	.458	0	%100
39	MP1A	X	.264	.264	0	%100
40	MP1A	Z	.458	.458	0	%100
41	MP5C	X	.264	.264	0	%100
42	MP5C	Z	.458	.458	0	%100
43	MP4C	X	.264	.264	0	%100
44	MP4C	Z	.458	.458	0	%100
45	MP3C	X	.264	.264	0	%100
46	MP3C	Z	.458	.458	0	%100
47	MP2C	X	.264	.264	0	%100
48	MP2C	Z	.458	.458	0	%100
49	MP1C	X	.264	.264	0	%100
50	MP1C	Z	.458	.458	0	%100
51	MP5B	X	.264	.264	0	%100
52	MP5B	Z	.458	.458	0	%100
53	MP4B	X	.264	.264	0	%100
54	MP4B	Z	.458	.458	0	%100
55	MP3B	X	.264	.264	0	%100
56	MP3B	Z	.458	.458	0	%100
57	MP2B	X	.264	.264	0	%100
58	MP2B	Z	.458	.458	0	%100
59	MP1B	X	.264	.264	0	%100
60	MP1B	Z	.458	.458	0	%100
61	M91	X	.472	.472	0	%100
62	M91	Z	.818	.818	0	%100
63	M88B	X	.765	.765	0	%100
64	M88B	Z	1.325	1.325	0	%100
65	M89A	X	.765	.765	0	%100
66	M89A	Z	1.325	1.325	0	%100
67	M82B	X	0	0	0	%100
68	M82B	Z	0	0	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	0	0	0	%100
71	M84A	X	0	0	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,%]
72	M84A	Z	0	0	0	%100
73	M86	X	.472	.472	0	%100
74	M86	Z	.818	.818	0	%100
75	M87	X	.765	.765	0	%100
76	M87	Z	1.325	1.325	0	%100
77	M88A	X	.765	.765	0	%100
78	M88A	Z	1.325	1.325	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	M76	X	0	0	0	%100
2	M76	Z	0	0	0	%100
3	M84	X	0	0	0	%100
4	M84	Z	.111	.111	0	%100
5	M28A	X	0	0	0	%100
6	M28A	Z	2.225	2.225	0	%100
7	M15	X	0	0	0	%100
8	M15	Z	.686	.686	0	%100
9	M21	X	0	0	0	%100
10	M21	Z	.028	.028	0	%100
11	M27	X	0	0	0	%100
12	M27	Z	.686	.686	0	%100
13	M33	X	0	0	0	%100
14	M33	Z	.028	.028	0	%100
15	M39	X	0	0	0	%100
16	M39	Z	.556	.556	0	%100
17	M41	X	0	0	0	%100
18	M41	Z	.556	.556	0	%100
19	M43	X	0	0	0	%100
20	M43	Z	.927	.927	0	%100
21	M50	X	0	0	0	%100
22	M50	Z	.014	.014	0	%100
23	M36	X	0	0	0	%100
24	M36	Z	.056	.056	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	.014	.014	0	%100
27	M41B	X	0	0	0	%100
28	M41B	Z	.232	.232	0	%100
29	M42A	X	0	0	0	%100
30	M42A	Z	.232	.232	0	%100
31	MP5A	X	0	0	0	%100
32	MP5A	Z	.529	.529	0	%100
33	MP4A	X	0	0	0	%100
34	MP4A	Z	.529	.529	0	%100
35	MP3A	X	0	0	0	%100
36	MP3A	Z	.529	.529	0	%100
37	MP2A	X	0	0	0	%100
38	MP2A	Z	.529	.529	0	%100
39	MP1A	X	0	0	0	%100
40	MP1A	Z	.529	.529	0	%100
41	MP5C	X	0	0	0	%100
42	MP5C	Z	.529	.529	0	%100
43	MP4C	X	0	0	0	%100
44	MP4C	Z	.529	.529	0	%100
45	MP3C	X	0	0	0	%100
46	MP3C	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,%]
47	MP2C	X	0	0	0	%100
48	MP2C	Z	.529	.529	0	%100
49	MP1C	X	0	0	0	%100
50	MP1C	Z	.529	.529	0	%100
51	MP5B	X	0	0	0	%100
52	MP5B	Z	.529	.529	0	%100
53	MP4B	X	0	0	0	%100
54	MP4B	Z	.529	.529	0	%100
55	MP3B	X	0	0	0	%100
56	MP3B	Z	.529	.529	0	%100
57	MP2B	X	0	0	0	%100
58	MP2B	Z	.529	.529	0	%100
59	MP1B	X	0	0	0	%100
60	MP1B	Z	.529	.529	0	%100
61	M91	X	0	0	0	%100
62	M91	Z	1.259	1.259	0	%100
63	M88B	X	0	0	0	%100
64	M88B	Z	2.04	2.04	0	%100
65	M89A	X	0	0	0	%100
66	M89A	Z	2.04	2.04	0	%100
67	M82B	X	0	0	0	%100
68	M82B	Z	.315	.315	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	.51	.51	0	%100
71	M84A	X	0	0	0	%100
72	M84A	Z	.51	.51	0	%100
73	M86	X	0	0	0	%100
74	M86	Z	.315	.315	0	%100
75	M87	X	0	0	0	%100
76	M87	Z	.51	.51	0	%100
77	M88A	X	0	0	0	%100
78	M88A	Z	.51	.51	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	M76	X	-.114	-.114	0	%100
2	M76	Z	.198	.198	0	%100
3	M84	X	-.042	-.042	0	%100
4	M84	Z	.072	.072	0	%100
5	M28A	X	-.835	-.835	0	%100
6	M28A	Z	1.446	1.446	0	%100
7	M15	X	-.114	-.114	0	%100
8	M15	Z	.198	.198	0	%100
9	M21	X	-.042	-.042	0	%100
10	M21	Z	.072	.072	0	%100
11	M27	X	-.457	-.457	0	%100
12	M27	Z	.792	.792	0	%100
13	M33	X	0	0	0	%100
14	M33	Z	0	0	0	%100
15	M39	X	-.835	-.835	0	%100
16	M39	Z	1.446	1.446	0	%100
17	M41	X	0	0	0	%100
18	M41	Z	0	0	0	%100
19	M43	X	-.348	-.348	0	%100
20	M43	Z	.602	.602	0	%100
21	M50	X	0	0	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,%]
22	M50	Z	0	0	0	%100
23	M36	X	-.021	-.021	0	%100
24	M36	Z	.036	.036	0	%100
25	M40	X	-.021	-.021	0	%100
26	M40	Z	.036	.036	0	%100
27	M41B	X	-.348	-.348	0	%100
28	M41B	Z	.602	.602	0	%100
29	M42A	X	0	0	0	%100
30	M42A	Z	0	0	0	%100
31	MP5A	X	-.264	-.264	0	%100
32	MP5A	Z	.458	.458	0	%100
33	MP4A	X	-.264	-.264	0	%100
34	MP4A	Z	.458	.458	0	%100
35	MP3A	X	-.264	-.264	0	%100
36	MP3A	Z	.458	.458	0	%100
37	MP2A	X	-.264	-.264	0	%100
38	MP2A	Z	.458	.458	0	%100
39	MP1A	X	-.264	-.264	0	%100
40	MP1A	Z	.458	.458	0	%100
41	MP5C	X	-.264	-.264	0	%100
42	MP5C	Z	.458	.458	0	%100
43	MP4C	X	-.264	-.264	0	%100
44	MP4C	Z	.458	.458	0	%100
45	MP3C	X	-.264	-.264	0	%100
46	MP3C	Z	.458	.458	0	%100
47	MP2C	X	-.264	-.264	0	%100
48	MP2C	Z	.458	.458	0	%100
49	MP1C	X	-.264	-.264	0	%100
50	MP1C	Z	.458	.458	0	%100
51	MP5B	X	-.264	-.264	0	%100
52	MP5B	Z	.458	.458	0	%100
53	MP4B	X	-.264	-.264	0	%100
54	MP4B	Z	.458	.458	0	%100
55	MP3B	X	-.264	-.264	0	%100
56	MP3B	Z	.458	.458	0	%100
57	MP2B	X	-.264	-.264	0	%100
58	MP2B	Z	.458	.458	0	%100
59	MP1B	X	-.264	-.264	0	%100
60	MP1B	Z	.458	.458	0	%100
61	M91	X	-.472	-.472	0	%100
62	M91	Z	.818	.818	0	%100
63	M88B	X	-.765	-.765	0	%100
64	M88B	Z	1.325	1.325	0	%100
65	M89A	X	-.765	-.765	0	%100
66	M89A	Z	1.325	1.325	0	%100
67	M82B	X	-.472	-.472	0	%100
68	M82B	Z	.818	.818	0	%100
69	M83A	X	-.765	-.765	0	%100
70	M83A	Z	1.325	1.325	0	%100
71	M84A	X	-.765	-.765	0	%100
72	M84A	Z	1.325	1.325	0	%100
73	M86	X	0	0	0	%100
74	M86	Z	0	0	0	%100
75	M87	X	0	0	0	%100
76	M87	Z	0	0	0	%100
77	M88A	X	0	0	0	%100
78	M88A	Z	0	0	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	M76	X	-.594	-.594	0	%100
2	M76	Z	.343	.343	0	%100
3	M84	X	-.024	-.024	0	%100
4	M84	Z	.014	.014	0	%100
5	M28A	X	-.482	-.482	0	%100
6	M28A	Z	.278	.278	0	%100
7	M15	X	0	0	0	%100
8	M15	Z	0	0	0	%100
9	M21	X	-.096	-.096	0	%100
10	M21	Z	.056	.056	0	%100
11	M27	X	-.594	-.594	0	%100
12	M27	Z	.343	.343	0	%100
13	M33	X	-.024	-.024	0	%100
14	M33	Z	.014	.014	0	%100
15	M39	X	-1.927	-1.927	0	%100
16	M39	Z	1.113	1.113	0	%100
17	M41	X	-.482	-.482	0	%100
18	M41	Z	.278	.278	0	%100
19	M43	X	-.201	-.201	0	%100
20	M43	Z	.116	.116	0	%100
21	M50	X	-.012	-.012	0	%100
22	M50	Z	.007	.007	0	%100
23	M36	X	-.012	-.012	0	%100
24	M36	Z	.007	.007	0	%100
25	M40	X	-.048	-.048	0	%100
26	M40	Z	.028	.028	0	%100
27	M41B	X	-.803	-.803	0	%100
28	M41B	Z	.464	.464	0	%100
29	M42A	X	-.201	-.201	0	%100
30	M42A	Z	.116	.116	0	%100
31	MP5A	X	-.458	-.458	0	%100
32	MP5A	Z	.264	.264	0	%100
33	MP4A	X	-.458	-.458	0	%100
34	MP4A	Z	.264	.264	0	%100
35	MP3A	X	-.458	-.458	0	%100
36	MP3A	Z	.264	.264	0	%100
37	MP2A	X	-.458	-.458	0	%100
38	MP2A	Z	.264	.264	0	%100
39	MP1A	X	-.458	-.458	0	%100
40	MP1A	Z	.264	.264	0	%100
41	MP5C	X	-.458	-.458	0	%100
42	MP5C	Z	.264	.264	0	%100
43	MP4C	X	-.458	-.458	0	%100
44	MP4C	Z	.264	.264	0	%100
45	MP3C	X	-.458	-.458	0	%100
46	MP3C	Z	.264	.264	0	%100
47	MP2C	X	-.458	-.458	0	%100
48	MP2C	Z	.264	.264	0	%100
49	MP1C	X	-.458	-.458	0	%100
50	MP1C	Z	.264	.264	0	%100
51	MP5B	X	-.458	-.458	0	%100
52	MP5B	Z	.264	.264	0	%100
53	MP4B	X	-.458	-.458	0	%100
54	MP4B	Z	.264	.264	0	%100
55	MP3B	X	-.458	-.458	0	%100
56	MP3B	Z	.264	.264	0	%100
57	MP2B	X	-.458	-.458	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,%]
58	MP2B	Z	.264	.264	0	%100
59	MP1B	X	-.458	-.458	0	%100
60	MP1B	Z	.264	.264	0	%100
61	M91	X	-.273	-.273	0	%100
62	M91	Z	.157	.157	0	%100
63	M88B	X	-.442	-.442	0	%100
64	M88B	Z	.255	.255	0	%100
65	M89A	X	-.442	-.442	0	%100
66	M89A	Z	.255	.255	0	%100
67	M82B	X	-1.091	-1.091	0	%100
68	M82B	Z	.63	.63	0	%100
69	M83A	X	-1.767	-1.767	0	%100
70	M83A	Z	1.02	1.02	0	%100
71	M84A	X	-1.767	-1.767	0	%100
72	M84A	Z	1.02	1.02	0	%100
73	M86	X	-.273	-.273	0	%100
74	M86	Z	.157	.157	0	%100
75	M87	X	-.442	-.442	0	%100
76	M87	Z	.255	.255	0	%100
77	M88A	X	-.442	-.442	0	%100
78	M88A	Z	.255	.255	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	M76	X	-.914	-.914	0	%100
2	M76	Z	0	0	0	%100
3	M84	X	0	0	0	%100
4	M84	Z	0	0	0	%100
5	M28A	X	0	0	0	%100
6	M28A	Z	0	0	0	%100
7	M15	X	-.229	-.229	0	%100
8	M15	Z	0	0	0	%100
9	M21	X	-.083	-.083	0	%100
10	M21	Z	0	0	0	%100
11	M27	X	-.229	-.229	0	%100
12	M27	Z	0	0	0	%100
13	M33	X	-.083	-.083	0	%100
14	M33	Z	0	0	0	%100
15	M39	X	-1.669	-1.669	0	%100
16	M39	Z	0	0	0	%100
17	M41	X	-1.669	-1.669	0	%100
18	M41	Z	0	0	0	%100
19	M43	X	0	0	0	%100
20	M43	Z	0	0	0	%100
21	M50	X	-.042	-.042	0	%100
22	M50	Z	0	0	0	%100
23	M36	X	0	0	0	%100
24	M36	Z	0	0	0	%100
25	M40	X	-.042	-.042	0	%100
26	M40	Z	0	0	0	%100
27	M41B	X	-.695	-.695	0	%100
28	M41B	Z	0	0	0	%100
29	M42A	X	-.695	-.695	0	%100
30	M42A	Z	0	0	0	%100
31	MP5A	X	-.529	-.529	0	%100
32	MP5A	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,%]
33	MP4A	X	-.529	-.529	0	%100
34	MP4A	Z	0	0	0	%100
35	MP3A	X	-.529	-.529	0	%100
36	MP3A	Z	0	0	0	%100
37	MP2A	X	-.529	-.529	0	%100
38	MP2A	Z	0	0	0	%100
39	MP1A	X	-.529	-.529	0	%100
40	MP1A	Z	0	0	0	%100
41	MP5C	X	-.529	-.529	0	%100
42	MP5C	Z	0	0	0	%100
43	MP4C	X	-.529	-.529	0	%100
44	MP4C	Z	0	0	0	%100
45	MP3C	X	-.529	-.529	0	%100
46	MP3C	Z	0	0	0	%100
47	MP2C	X	-.529	-.529	0	%100
48	MP2C	Z	0	0	0	%100
49	MP1C	X	-.529	-.529	0	%100
50	MP1C	Z	0	0	0	%100
51	MP5B	X	-.529	-.529	0	%100
52	MP5B	Z	0	0	0	%100
53	MP4B	X	-.529	-.529	0	%100
54	MP4B	Z	0	0	0	%100
55	MP3B	X	-.529	-.529	0	%100
56	MP3B	Z	0	0	0	%100
57	MP2B	X	-.529	-.529	0	%100
58	MP2B	Z	0	0	0	%100
59	MP1B	X	-.529	-.529	0	%100
60	MP1B	Z	0	0	0	%100
61	M91	X	0	0	0	%100
62	M91	Z	0	0	0	%100
63	M88B	X	0	0	0	%100
64	M88B	Z	0	0	0	%100
65	M89A	X	0	0	0	%100
66	M89A	Z	0	0	0	%100
67	M82B	X	-.945	-.945	0	%100
68	M82B	Z	0	0	0	%100
69	M83A	X	-1.53	-1.53	0	%100
70	M83A	Z	0	0	0	%100
71	M84A	X	-1.53	-1.53	0	%100
72	M84A	Z	0	0	0	%100
73	M86	X	-.945	-.945	0	%100
74	M86	Z	0	0	0	%100
75	M87	X	-1.53	-1.53	0	%100
76	M87	Z	0	0	0	%100
77	M88A	X	-1.53	-1.53	0	%100
78	M88A	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	M76	X	-.594	-.594	0	%100
2	M76	Z	-.343	-.343	0	%100
3	M84	X	-.024	-.024	0	%100
4	M84	Z	-.014	-.014	0	%100
5	M28A	X	-.482	-.482	0	%100
6	M28A	Z	-.278	-.278	0	%100
7	M15	X	-.594	-.594	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,%]
8	M15	Z	-.343	-.343	0	%100
9	M21	X	-.024	-.024	0	%100
10	M21	Z	-.014	-.014	0	%100
11	M27	X	0	0	0	%100
12	M27	Z	0	0	0	%100
13	M33	X	-.096	-.096	0	%100
14	M33	Z	-.056	-.056	0	%100
15	M39	X	-.482	-.482	0	%100
16	M39	Z	-.278	-.278	0	%100
17	M41	X	-1.927	-1.927	0	%100
18	M41	Z	-1.113	-1.113	0	%100
19	M43	X	-.201	-.201	0	%100
20	M43	Z	-.116	-.116	0	%100
21	M50	X	-.048	-.048	0	%100
22	M50	Z	-.028	-.028	0	%100
23	M36	X	-.012	-.012	0	%100
24	M36	Z	-.007	-.007	0	%100
25	M40	X	-.012	-.012	0	%100
26	M40	Z	-.007	-.007	0	%100
27	M41B	X	-.201	-.201	0	%100
28	M41B	Z	-.116	-.116	0	%100
29	M42A	X	-.803	-.803	0	%100
30	M42A	Z	-.464	-.464	0	%100
31	MP5A	X	-.458	-.458	0	%100
32	MP5A	Z	-.264	-.264	0	%100
33	MP4A	X	-.458	-.458	0	%100
34	MP4A	Z	-.264	-.264	0	%100
35	MP3A	X	-.458	-.458	0	%100
36	MP3A	Z	-.264	-.264	0	%100
37	MP2A	X	-.458	-.458	0	%100
38	MP2A	Z	-.264	-.264	0	%100
39	MP1A	X	-.458	-.458	0	%100
40	MP1A	Z	-.264	-.264	0	%100
41	MP5C	X	-.458	-.458	0	%100
42	MP5C	Z	-.264	-.264	0	%100
43	MP4C	X	-.458	-.458	0	%100
44	MP4C	Z	-.264	-.264	0	%100
45	MP3C	X	-.458	-.458	0	%100
46	MP3C	Z	-.264	-.264	0	%100
47	MP2C	X	-.458	-.458	0	%100
48	MP2C	Z	-.264	-.264	0	%100
49	MP1C	X	-.458	-.458	0	%100
50	MP1C	Z	-.264	-.264	0	%100
51	MP5B	X	-.458	-.458	0	%100
52	MP5B	Z	-.264	-.264	0	%100
53	MP4B	X	-.458	-.458	0	%100
54	MP4B	Z	-.264	-.264	0	%100
55	MP3B	X	-.458	-.458	0	%100
56	MP3B	Z	-.264	-.264	0	%100
57	MP2B	X	-.458	-.458	0	%100
58	MP2B	Z	-.264	-.264	0	%100
59	MP1B	X	-.458	-.458	0	%100
60	MP1B	Z	-.264	-.264	0	%100
61	M91	X	-.273	-.273	0	%100
62	M91	Z	-.157	-.157	0	%100
63	M88B	X	-.442	-.442	0	%100
64	M88B	Z	-.255	-.255	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,%]
65	M89A	X	-.442	-.442	0	%100
66	M89A	Z	-.255	-.255	0	%100
67	M82B	X	-.273	-.273	0	%100
68	M82B	Z	-.157	-.157	0	%100
69	M83A	X	-.442	-.442	0	%100
70	M83A	Z	-.255	-.255	0	%100
71	M84A	X	-.442	-.442	0	%100
72	M84A	Z	-.255	-.255	0	%100
73	M86	X	-1.091	-1.091	0	%100
74	M86	Z	-.63	-.63	0	%100
75	M87	X	-1.767	-1.767	0	%100
76	M87	Z	-1.02	-1.02	0	%100
77	M88A	X	-1.767	-1.767	0	%100
78	M88A	Z	-1.02	-1.02	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	M76	X	-.114	-.114	0	%100
2	M76	Z	-.198	-.198	0	%100
3	M84	X	-.042	-.042	0	%100
4	M84	Z	-.072	-.072	0	%100
5	M28A	X	-.835	-.835	0	%100
6	M28A	Z	-1.446	-1.446	0	%100
7	M15	X	-.457	-.457	0	%100
8	M15	Z	-.792	-.792	0	%100
9	M21	X	0	0	0	%100
10	M21	Z	0	0	0	%100
11	M27	X	-.114	-.114	0	%100
12	M27	Z	-.198	-.198	0	%100
13	M33	X	-.042	-.042	0	%100
14	M33	Z	-.072	-.072	0	%100
15	M39	X	0	0	0	%100
16	M39	Z	0	0	0	%100
17	M41	X	-.835	-.835	0	%100
18	M41	Z	-1.446	-1.446	0	%100
19	M43	X	-.348	-.348	0	%100
20	M43	Z	-.602	-.602	0	%100
21	M50	X	-.021	-.021	0	%100
22	M50	Z	-.036	-.036	0	%100
23	M36	X	-.021	-.021	0	%100
24	M36	Z	-.036	-.036	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	0	0	0	%100
27	M41B	X	0	0	0	%100
28	M41B	Z	0	0	0	%100
29	M42A	X	-.348	-.348	0	%100
30	M42A	Z	-.602	-.602	0	%100
31	MP5A	X	-.264	-.264	0	%100
32	MP5A	Z	-.458	-.458	0	%100
33	MP4A	X	-.264	-.264	0	%100
34	MP4A	Z	-.458	-.458	0	%100
35	MP3A	X	-.264	-.264	0	%100
36	MP3A	Z	-.458	-.458	0	%100
37	MP2A	X	-.264	-.264	0	%100
38	MP2A	Z	-.458	-.458	0	%100
39	MP1A	X	-.264	-.264	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,%]
40	MP1A	Z	-.458	-.458	0	%100
41	MP5C	X	-.264	-.264	0	%100
42	MP5C	Z	-.458	-.458	0	%100
43	MP4C	X	-.264	-.264	0	%100
44	MP4C	Z	-.458	-.458	0	%100
45	MP3C	X	-.264	-.264	0	%100
46	MP3C	Z	-.458	-.458	0	%100
47	MP2C	X	-.264	-.264	0	%100
48	MP2C	Z	-.458	-.458	0	%100
49	MP1C	X	-.264	-.264	0	%100
50	MP1C	Z	-.458	-.458	0	%100
51	MP5B	X	-.264	-.264	0	%100
52	MP5B	Z	-.458	-.458	0	%100
53	MP4B	X	-.264	-.264	0	%100
54	MP4B	Z	-.458	-.458	0	%100
55	MP3B	X	-.264	-.264	0	%100
56	MP3B	Z	-.458	-.458	0	%100
57	MP2B	X	-.264	-.264	0	%100
58	MP2B	Z	-.458	-.458	0	%100
59	MP1B	X	-.264	-.264	0	%100
60	MP1B	Z	-.458	-.458	0	%100
61	M91	X	-.472	-.472	0	%100
62	M91	Z	-.818	-.818	0	%100
63	M88B	X	-.765	-.765	0	%100
64	M88B	Z	-1.325	-1.325	0	%100
65	M89A	X	-.765	-.765	0	%100
66	M89A	Z	-1.325	-1.325	0	%100
67	M82B	X	0	0	0	%100
68	M82B	Z	0	0	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	0	0	0	%100
71	M84A	X	0	0	0	%100
72	M84A	Z	0	0	0	%100
73	M86	X	-.472	-.472	0	%100
74	M86	Z	-.818	-.818	0	%100
75	M87	X	-.765	-.765	0	%100
76	M87	Z	-1.325	-1.325	0	%100
77	M88A	X	-.765	-.765	0	%100
78	M88A	Z	-1.325	-1.325	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	M28A	Y	-.543	-4.627	0	1.333
2	M28A	Y	-4.627	-11.67	1.333	2.667
3	M28A	Y	-11.67	-16.217	2.667	4
4	M28A	Y	-16.217	-12.38	4	5.333
5	M28A	Y	-12.38	-1.528	5.333	6.667
6	M41	Y	-.503	-12.86	6.667	8
7	M41	Y	-12.86	-17.324	8	9.333
8	M41	Y	-17.324	-11.878	9.333	10.667
9	M41	Y	-11.878	-4.901	10.667	12
10	M41	Y	-4.901	-.503	12	13.333
11	M28A	Y	-14.07	-12.654	6.667	8.333
12	M28A	Y	-12.654	-11.639	8.333	10
13	M28A	Y	-11.639	-5.622	10	11.667
14	M28A	Y	-5.622	.089	11.667	13.333

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,%]
15	M39	Y	0	-5.417	0	1.333
16	M39	Y	-5.417	-11.205	1.333	2.667
17	M39	Y	-11.205	-18.216	2.667	4
18	M39	Y	-18.216	-12.427	4	5.333
19	M39	Y	-12.427	0	5.333	6.667
20	M39	Y	-14.047	-12.648	6.667	8.333
21	M39	Y	-12.648	-11.642	8.333	10
22	M39	Y	-11.642	-5.624	10	11.667
23	M39	Y	-5.624	.087	11.667	13.333
24	M41	Y	-1.066e-15	-5.423	0	1.333
25	M41	Y	-5.423	-11.237	1.333	2.667
26	M41	Y	-11.237	-18.216	2.667	4
27	M41	Y	-18.216	-12.403	4	5.333
28	M41	Y	-12.403	-1.066e-15	5.333	6.667
29	M82B	Y	-9.544	-11.28	0	.637
30	M82B	Y	-11.28	-12.801	.637	1.275
31	M82B	Y	-12.801	-17.518	1.275	1.912
32	M82B	Y	-17.518	-10.834	1.912	2.55
33	M82B	Y	-10.834	-.087	2.55	3.187
34	M83A	Y	-.799	-12.33	0	.083
35	M83A	Y	-12.33	-12.562	.083	.166
36	M83A	Y	-12.562	-.799	.166	.25
37	M86	Y	-.167	-9.678	2.125	2.762
38	M86	Y	-9.678	-17.977	2.762	3.399
39	M86	Y	-17.977	-15.202	3.399	4.037
40	M86	Y	-15.202	-11.974	4.037	4.674
41	M86	Y	-11.974	-8.643	4.674	5.311
42	M88A	Y	-13.499	-11.987	0	.083
43	M88A	Y	-11.987	-8.1	.083	.167
44	M88A	Y	-8.1	-1.837	.167	.25
45	M89	Y	1.548	-9.973	0	.062
46	M89	Y	-9.973	-27.689	.062	.125
47	M91	Y	.006	-11.094	2.125	2.762
48	M91	Y	-11.094	-18.897	2.762	3.399
49	M91	Y	-18.897	-13.318	3.399	4.037
50	M91	Y	-13.318	-11.096	4.037	4.674
51	M91	Y	-11.096	-11.217	4.674	5.312
52	M89A	Y	.967	-6.443	0	.125
53	M89A	Y	-6.443	-17.719	.125	.25
54	M86	Y	-11.093	-11.577	0	.637
55	M86	Y	-11.577	-12.981	.637	1.275
56	M86	Y	-12.981	-17.039	1.275	1.912
57	M86	Y	-17.039	-9.979	1.912	2.55
58	M86	Y	-9.979	-.024	2.55	3.187
59	M87	Y	-.135	-.367	0	.083
60	M87	Y	-.367	-3.559	.083	.166
61	M87	Y	-3.559	-9.711	.166	.25
62	M91	Y	-9.502	-11.241	0	.637
63	M91	Y	-11.241	-12.77	.637	1.275
64	M91	Y	-12.77	-17.504	1.275	1.912
65	M91	Y	-17.504	-10.833	1.912	2.55
66	M91	Y	-10.833	-.087	2.55	3.187
67	M88B	Y	-.795	-12.305	0	.083
68	M88B	Y	-12.305	-12.531	.083	.166
69	M88B	Y	-12.531	-.795	.166	.25
70	M82B	Y	-.168	-9.688	2.125	2.762
71	M82B	Y	-9.688	-18.002	2.762	3.399

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,%]
72	M82B	Y	-18.002	-15.244	3.399	4.037
73	M82B	Y	-15.244	-12.009	4.037	4.674
74	M82B	Y	-12.009	-8.643	4.674	5.311
75	M84A	Y	-13.499	-11.982	0	.083
76	M84A	Y	-11.982	-8.095	.083	.167
77	M84A	Y	-8.095	-1.838	.167	.25

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	M28A	Y	-1.025	-8.74	0	1.333
2	M28A	Y	-8.74	-22.043	1.333	2.667
3	M28A	Y	-22.043	-30.633	2.667	4
4	M28A	Y	-30.633	-23.385	4	5.333
5	M28A	Y	-23.385	-2.886	5.333	6.667
6	M41	Y	-.949	-24.292	6.667	8
7	M41	Y	-24.292	-32.724	8	9.333
8	M41	Y	-32.724	-22.437	9.333	10.667
9	M41	Y	-22.437	-9.258	10.667	12
10	M41	Y	-9.258	-.949	12	13.333
11	M28A	Y	-26.577	-23.901	6.667	8.333
12	M28A	Y	-23.901	-21.985	8.333	10
13	M28A	Y	-21.985	-10.619	10	11.667
14	M28A	Y	-10.619	.167	11.667	13.333
15	M39	Y	-4.263e-15	-10.232	0	1.333
16	M39	Y	-10.232	-21.165	1.333	2.667
17	M39	Y	-21.165	-34.407	2.667	4
18	M39	Y	-34.407	-23.474	4	5.333
19	M39	Y	-23.474	-4.263e-15	5.333	6.667
20	M39	Y	-26.534	-23.89	6.667	8.333
21	M39	Y	-23.89	-21.99	8.333	10
22	M39	Y	-21.99	-10.624	10	11.667
23	M39	Y	-10.624	.165	11.667	13.333
24	M41	Y	2.132e-15	-10.244	0	1.333
25	M41	Y	-10.244	-21.225	1.333	2.667
26	M41	Y	-21.225	-34.409	2.667	4
27	M41	Y	-34.409	-23.427	4	5.333
28	M41	Y	-23.427	2.132e-15	5.333	6.667
29	M82B	Y	-18.028	-21.306	0	.637
30	M82B	Y	-21.306	-24.18	.637	1.275
31	M82B	Y	-24.18	-33.089	1.275	1.912
32	M82B	Y	-33.089	-20.464	1.912	2.55
33	M82B	Y	-20.464	-.164	2.55	3.187
34	M83A	Y	-1.51	-23.29	0	.083
35	M83A	Y	-23.29	-23.727	.083	.166
36	M83A	Y	-23.727	-1.51	.166	.25
37	M86	Y	-.315	-18.28	2.125	2.762
38	M86	Y	-18.28	-33.956	2.762	3.399
39	M86	Y	-33.956	-28.715	3.399	4.037
40	M86	Y	-28.715	-22.618	4.037	4.674
41	M86	Y	-22.618	-16.326	4.674	5.311
42	M88A	Y	-25.498	-22.642	0	.083
43	M88A	Y	-22.642	-15.299	.083	.167
44	M88A	Y	-15.299	-3.47	.167	.25
45	M89	Y	2.925	-18.838	0	.062
46	M89	Y	-18.838	-52.301	.062	.125
47	M91	Y	.011	-20.956	2.125	2.762

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
48	M91	Y	-20.956	-35.694	2.762	3.399
49	M91	Y	-35.694	-25.156	3.399	4.037
50	M91	Y	-25.156	-20.959	4.037	4.674
51	M91	Y	-20.959	-21.187	4.674	5.312
52	M89A	Y	1.826	-12.17	0	.125
53	M89A	Y	-12.17	-33.47	.125	.25
54	M86	Y	-20.953	-21.868	0	.637
55	M86	Y	-21.868	-24.519	.637	1.275
56	M86	Y	-24.519	-32.184	1.275	1.912
57	M86	Y	-32.184	-18.85	1.912	2.55
58	M86	Y	-18.85	-.046	2.55	3.187
59	M87	Y	-.255	-.694	0	.083
60	M87	Y	-.694	-6.723	.083	.166
61	M87	Y	-6.723	-18.342	.166	.25
62	M91	Y	-17.948	-21.233	0	.637
63	M91	Y	-21.233	-24.122	.637	1.275
64	M91	Y	-24.122	-33.064	1.275	1.912
65	M91	Y	-33.064	-20.462	1.912	2.55
66	M91	Y	-20.462	-.164	2.55	3.187
67	M88B	Y	-1.501	-23.243	0	.083
68	M88B	Y	-23.243	-23.669	.083	.166
69	M88B	Y	-23.669	-1.501	.166	.25
70	M82B	Y	-.318	-18.3	2.125	2.762
71	M82B	Y	-18.3	-34.005	2.762	3.399
72	M82B	Y	-34.005	-28.794	3.399	4.037
73	M82B	Y	-28.794	-22.683	4.037	4.674
74	M82B	Y	-22.683	-16.325	4.674	5.311
75	M84A	Y	-25.498	-22.632	0	.083
76	M84A	Y	-22.632	-15.29	.083	.167
77	M84A	Y	-15.29	-3.472	.167	.25

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N38	N35	N160A	N159D	Y	C-D	-.009
2	N167	N166	N57	N54	Y	C-D	-.009
3	N174A	N175A	N19A	N22	Y	C-D	-.009
4	N159D	N167	N168B	N165A	Y	C-D	-.009
5	N166	N175A	N163	N168B	Y	C-D	-.009
6	N160A	N165A	N163	N174A	Y	A-D	-.009

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N38	N35	N160A	N159D	Y	C-D	-.017
2	N167	N166	N57	N54	Y	C-D	-.017
3	N174A	N175A	N19A	N22	Y	C-D	-.017
4	N159D	N167	N168B	N165A	Y	C-D	-.017
5	N166	N175A	N163	N168B	Y	C-D	-.017
6	N160A	N165A	N163	N174A	Y	A-D	-.017

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	N153A	max	1728.035	10	3007.91	13	669.795	1	6.47	1	1.63	4	.781	4
2		min	-1731.766	4	-155.078	7	-3962.286	19	-2.265	7	-1.649	10	-.784	10

Envelope Joint Reactions (Continued)

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
3	N25	max	567.178	10	3001.492	21	2309.768	1	1.163	2	1.642	12	1.925	3
4		min	-3456.857	16	-148.512	3	-934.777	7	-3.229	8	-1.669	6	-5.565	9
5	N44	max	3466.26	23	2928.246	17	2216.997	1	1.253	12	1.575	8	5.506	5
6		min	-595.559	5	-232.697	11	-867.126	7	-3.189	6	-1.582	2	-2.187	11
7	Totals:	max	5247.448	10	8014.973	21	5196.56	1						
8		min	-5247.418	4	3444.499	3	-5196.589	7						

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

	Mem...	Shape	Code Check	Loc[ft]	LC	Shear Check	Loc[ft]	Dir	LC	phi*...	phi*...	phi*...	phi*...	Cb	Eqn
1	M76	HSS4...	.518	0	1	.132	0	z	10	912...	106...	12....	12....	2...	H1...
2	M84	PL1/2...	.339	.674	23	.128	.674	y	20	504...	972...	1.012	11....	1...	H1...
3	M28A	L6x3x5	.417	6.667	6	.352	7.639	z	1	102...	879...	2.168	6.548	1...	H2...
4	M15	HSS4...	.511	0	9	.134	0	z	12	912...	106...	12....	12....	2...	H1...
5	M21	PL1/2...	.339	.674	23	.128	.674	y	16	504...	972...	1.012	11....	1...	H1...
6	M27	HSS4...	.509	0	5	.130	0	z	8	912...	106...	12....	12....	2...	H1...
7	M33	PL1/2...	.326	.674	18	.130	.674	y	23	504...	972...	1.012	11....	1...	H1...
8	M39	L6x3x5	.416	6.667	2	.346	7.639	z	9	102...	879...	2.168	6.514	1...	H2...
9	M41	L6x3x5	.429	6.667	10	.339	7.639	z	5	102...	879...	2.168	6.538	1...	H2...
10	M43	L2.5x...	.715	6.763	7	.118	12.974	y	1	247...	385...	1.114	1.801	1...	H2...
11	M50	PL1/4...	.554	.854	4	.120	0	y	2	140...	405...	.211	4.219	1...	H1...
12	M36	PL1/4...	.573	.854	12	.123	0	y	10	140...	405...	.211	4.219	1...	H1...
13	M40	PL1/4...	.561	.854	8	.122	0	y	12	140...	405...	.211	4.197	1...	H1...
14	M41B	L2.5x...	.713	6.763	3	.117	12.974	y	9	247...	385...	1.114	1.798	1...	H2...
15	M42A	L2.5x...	.749	6.763	11	.117	12.974	y	5	247...	385...	1.114	1.791	1...	H2...
16	MP5A	PIPE...	.537	5.135	10	.186	3.216		12	226...	321...	1.872	1.872	2...	H1...
17	MP4A	PIPE...	.603	5.078	10	.199	1.467		7	226...	321...	1.872	1.872	2...	H1...
18	MP3A	PIPE...	.664	5.968	10	.113	6.076		9	906...	321...	1.872	1.872	2...	H1...
19	MP2A	PIPE...	.597	5.625	10	.225	5.625		7	208...	321...	1.872	1.872	2...	H1...
20	MP1A	PIPE...	.533	4.965	10	.180	3.216		9	226...	321...	1.872	1.872	2...	H1...
21	MP5C	PIPE...	.551	5.135	12	.186	3.216		2	226...	321...	1.872	1.872	2...	H1...
22	MP4C	PIPE...	.626	5.078	12	.201	1.467		3	226...	321...	1.872	1.872	2...	H1...
23	MP3C	PIPE...	.682	5.968	12	.113	6.076		1	906...	321...	1.872	1.872	2...	H1...
24	MP2C	PIPE...	.605	5.625	12	.212	4.813		3	208...	321...	1.872	1.872	2...	H1...
25	MP1C	PIPE...	.537	4.965	12	.188	3.216		11	226...	321...	1.872	1.872	2...	H1...
26	MP5B	PIPE...	.534	5.135	8	.192	3.216		10	226...	321...	1.872	1.872	2...	H1...
27	MP4B	PIPE...	.604	5.078	8	.212	1.467		11	226...	321...	1.872	1.872	1...	H1...
28	MP3B	PIPE...	.641	5.968	8	.113	6.076		9	906...	321...	1.872	1.872	1...	H1...
29	MP2B	PIPE...	.572	5.625	2	.229	5.625		11	208...	321...	1.872	1.872	2...	H1...
30	MP1B	PIPE...	.523	4.965	2	.188	3.216		1	226...	321...	1.872	1.872	2...	H1...
31	M91	L4X4...	.833	2.656	13	.079	2.656	z	24	422...	625...	3.138	6.199	1...	H2...
32	M88B	PL5/8...	.326	0	12	.029	.25	y	24	119...	121...	1.582	15....	1...	H1...
33	M89A	PL5/8...	.308	.25	3	.028	0	y	14	119...	121...	1.582	15....	1...	H1...
34	M82B	L4X4...	.824	2.656	21	.079	2.656	z	22	422...	625...	3.138	6.2	1...	H2...
35	M83A	PL5/8...	.316	0	8	.029	.25	y	20	119...	121...	1.582	15....	1...	H1...
36	M84A	PL5/8...	.330	.25	11	.029	0	y	22	119...	121...	1.582	15....	1...	H1...
37	M86	L4X4...	.811	2.656	17	.077	2.656	z	17	422...	625...	3.138	6.201	1...	H2...
38	M87	PL5/8...	.318	0	4	.028	.25	y	16	119...	121...	1.582	15....	1.3	H1...
39	M88A	PL5/8...	.318	.25	6	.028	0	y	18	119...	121...	1.582	15....	1...	H1...

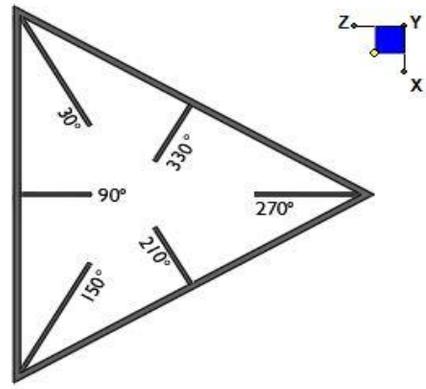
Client:	Verizon	Date:	5/13/2021
Site Name:	COLCHESTER 2 CT		
Project No.	21777292A		
Title:	Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

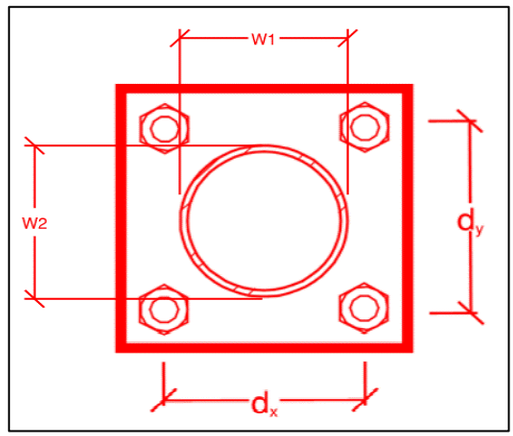
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N25	30
N153A	270
N44	150



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:	yes
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	6
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	6
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength (kips):	26.7
Required Shear Strength (kips):	5.3
Tensile Strength / bolt (kips):	20.7
Shear Strength / bolt (kips):	12.4
Tensile Capacity Overall:	**32.2%***
Shear Capacity Overall:	**10.6%**



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

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Rect
Plate Width (in):	8.5
Plate Height (in):	8.5
W1 (in):	4
W2 (in):	4
Fy (ksi, plate):	36
t_{Plate} (in):	0.75
Weld Size (1/16 in):	3
Phi*Rn (kip/in):	4.18
Required Weld Strength (kip/in):	3.68
Plate Bending Capacity:	**34.6%**
Weld Capacity:	**88.2%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)* :	13.3
$Phi*Mn_{xx}$ *(kip-in)* :	38.7
Mu_{yy} *(kip-in)* :	0.0
$Phi*Mn_{yy}$ *(kip-in)* :	38.7

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

Purpose – to provide Maser Consulting 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 immediately.
- Each photo should be time and date stamped
- Photos should be high resolution and submitted in a Zip File and should be organized in the file structure as depicted in Schedule A attached.
- Contractor shall ensure that the safety climb wire rope is supported and not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope.
- The photos in the file structure should be uploaded to ***https://pmi.vzwsmart.com*** as depicted on the drawings

Photo Requirements:

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

- These photos should also certify that the placement and geometry of the equipment on the mount is as depicted on the sketch and table in the mount analysis
- Photos showing the safety climb wire rope above and below the mount prior to modification.
- Photos showing the climbing facility and safety climb if present.

Antenna & equipment placement and Geometry Confirmation:

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

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

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

Certifying Individual: Company _____

Name _____

Signature _____

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

Issue:

-Contractor shall install one (1) 1/2" dia. U-bolt spacing at min. of 2" away from existing U-bolt at each antenna mount bottom connection to the existing face horizontal members.

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: 46 40 -VZW - COLCHESTER 2 CT

Sector: **A** 5/13/2021

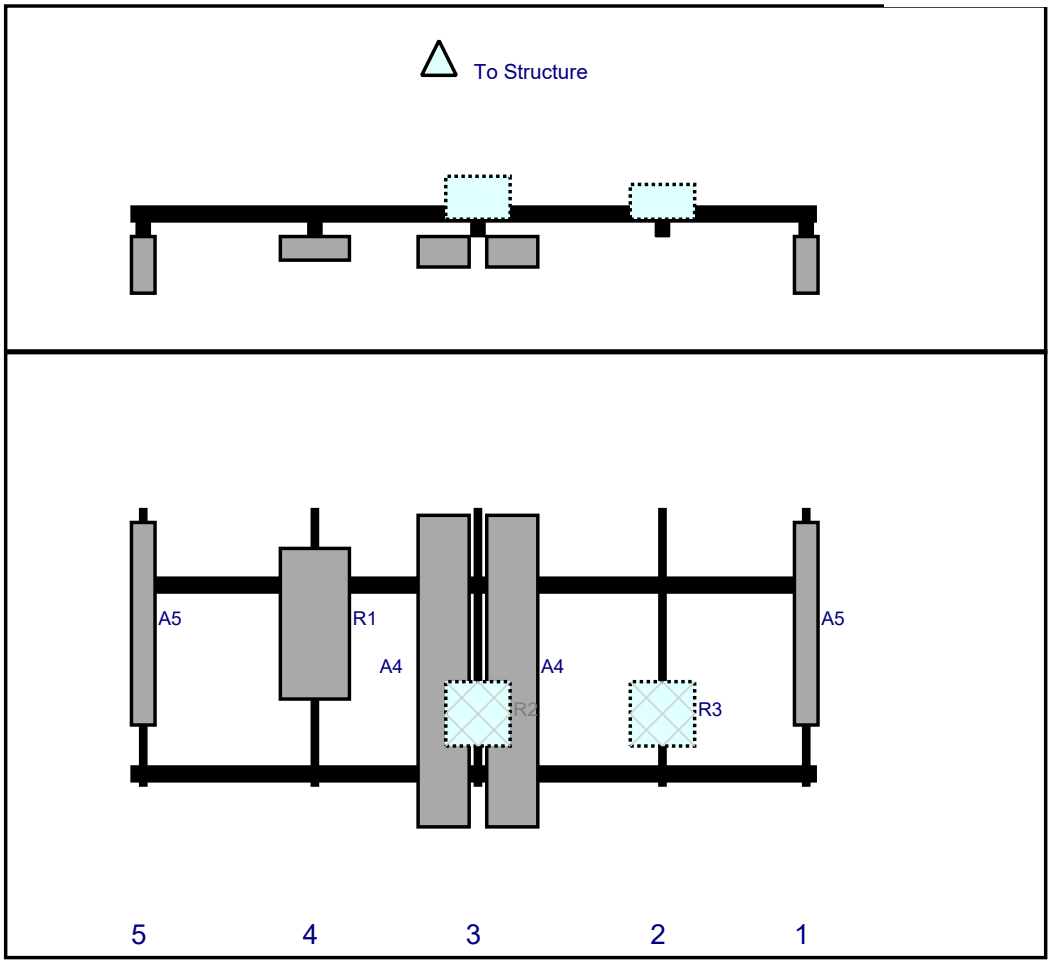
Structure Type: Monopole

Mount Elev: 164.75 Page: 1

MASER CONSULTING CONNECTICUT

Plan View

Front View
Looking at Structure

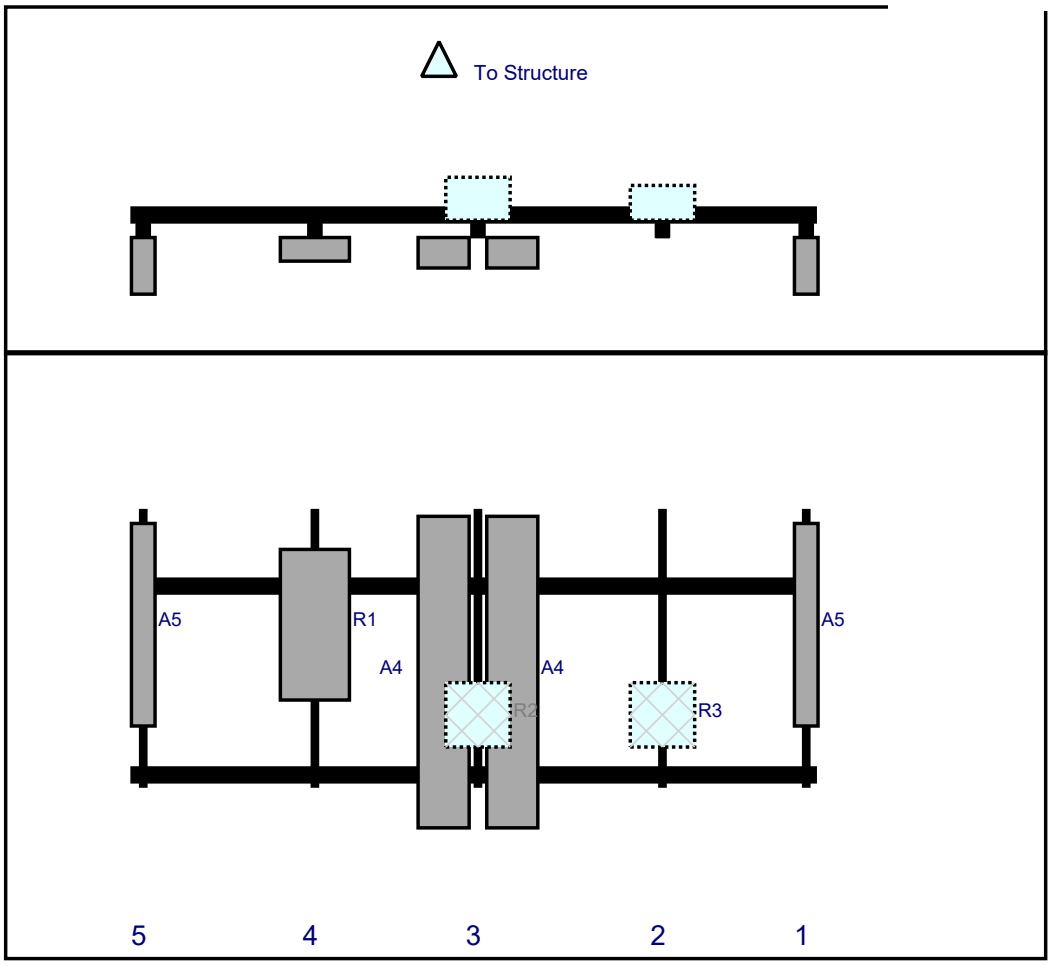


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A5	LPA-80080-4CF	47.2	5.5	157.5	1	a	Front	27	0	Retained	02/18/2021
A4	SBNHH-1D65B	72.6	11.9	81	3	a	Front	38.04	8	Retained	02/18/2021
A4	SBNHH-1D65B	72.6	11.9	81	3	b	Front	38.04	-8	Retained	02/18/2021
R2	B2/B66A RRH-BR049	15	15	81	3	a	Behind	48	0	Added	
R1	MT6407-77A	35.1	16.1	43	4	a	Front	27	0	Added	
A5	LPA-80080-4CF	47.2	5.5	3	5	a	Front	27	0	Retained	02/18/2021
R3	B5/B13 RRH-BR04C	15	15	124	2	a	Behind	48	0	Added	

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
A5	LPA-80080-4CF	47.2	5.5	157.5	1	a	Front	27	0	Retained	02/18/2021
R3	B5/B13 RRH-BR04C	15	15	124	2	a	Behind	48	0	Added	
A4	SBNHH-1D65B	72.6	11.9	81	3	a	Front	38.04	8	Retained	02/18/2021
A4	SBNHH-1D65B	72.6	11.9	81	3	b	Front	38.04	-8	Retained	02/18/2021
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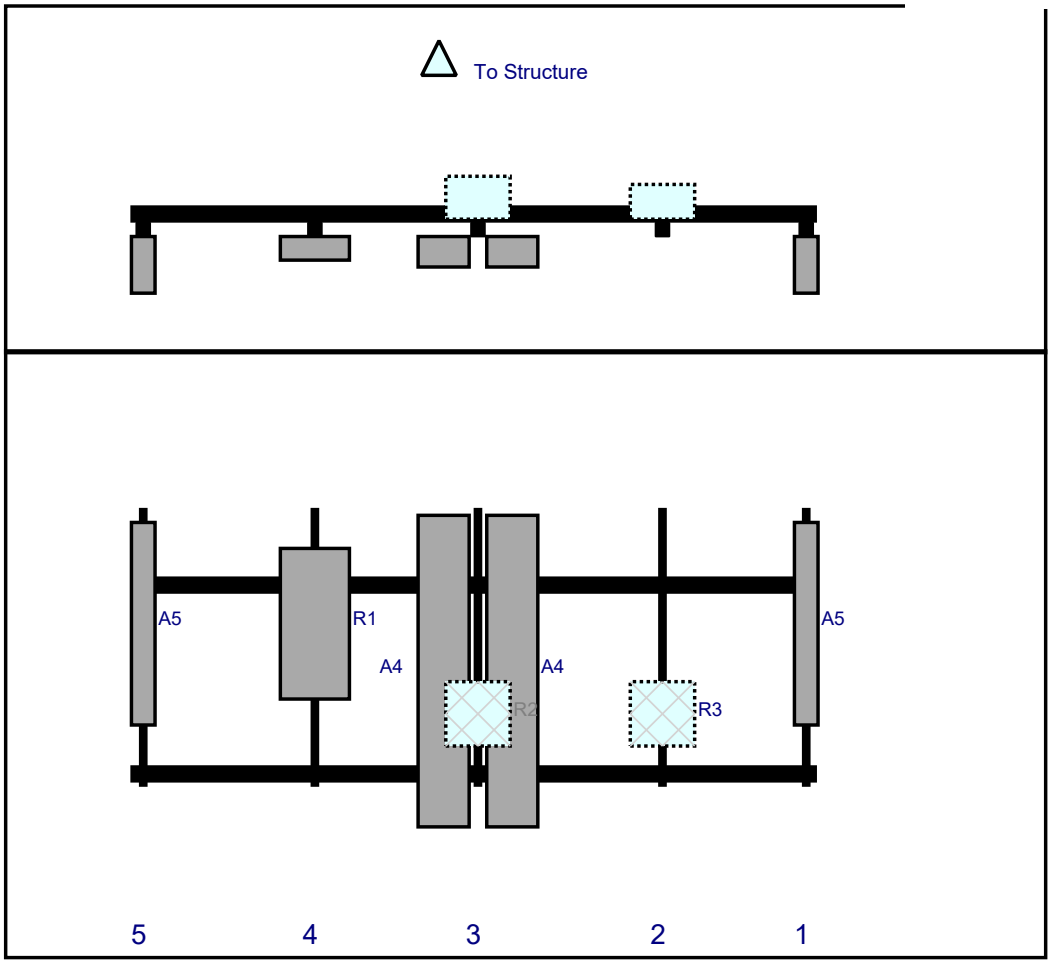
A5	LPA-80080-4CF	47.2	5.5	3	5	a	Front	27	0	Retained	02/18/2021

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
A5	LPA-80080-4CF	47.2	5.5	157.5	1	a	Front	27	0	Retained	02/18/2021
R3	B5/B13 RRH-BR04C	15	15	124	2	a	Behind	48	0	Added	
A4	SBNHH-1D65B	72.6	11.9	81	3	a	Front	38.04	8	Retained	02/18/2021
A4	SBNHH-1D65B	72.6	11.9	81	3	b	Front	38.04	-8	Retained	02/18/2021
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R1	MT6407-77A	35.1	16.1	43	4	a	Front	27	0	Added	
A5	LPA-80080-4CF	47.2	5.5	3	5	a	Front	27	0	Retained	02/18/2021

Maser Consulting Connecticut

MASER CONSULTING — CONNECTICUT —

Subject: *TIA-222-H Usage*

Site Information

Site ID:	*469405-VZW / COLCHESTER 2 CT*
Site Name:	*COLCHESTER 2 CT*
Carrier Name:	*Verizon Wireless*
Address:	*45 Westchester Rd* *Colchester, Connecticut 06415* *New London County*
Latitude:	*41.590161°*
Longitude:	*-72.401467°*

Structure Information

Tower Type:	*Monopole*
Mount Type:	*13.33-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. The TIA-222-H is the latest revision of the TIA-222 Standard, effective as of January 01, 2018.

As with all ANSI standards and engineering best practice is to apply the most current revision of the standard. This ensures the engineer is applying all updates. As an example, the TIA-222-H standard includes updates to bring it in line with the latest AISC and ACI standards and it also incorporates the latest wind speed map 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 method, seismic analysis, 30-degree increment wind direction and maintenance loading. Therefore, it is our opinion that TIA-222-H is the most appropriate standard for antenna mount structural analysis and is acceptable for use at this site to ensure the engineer is taking into account the most current engineering standard available.

Sincerely,

Dejian Xu

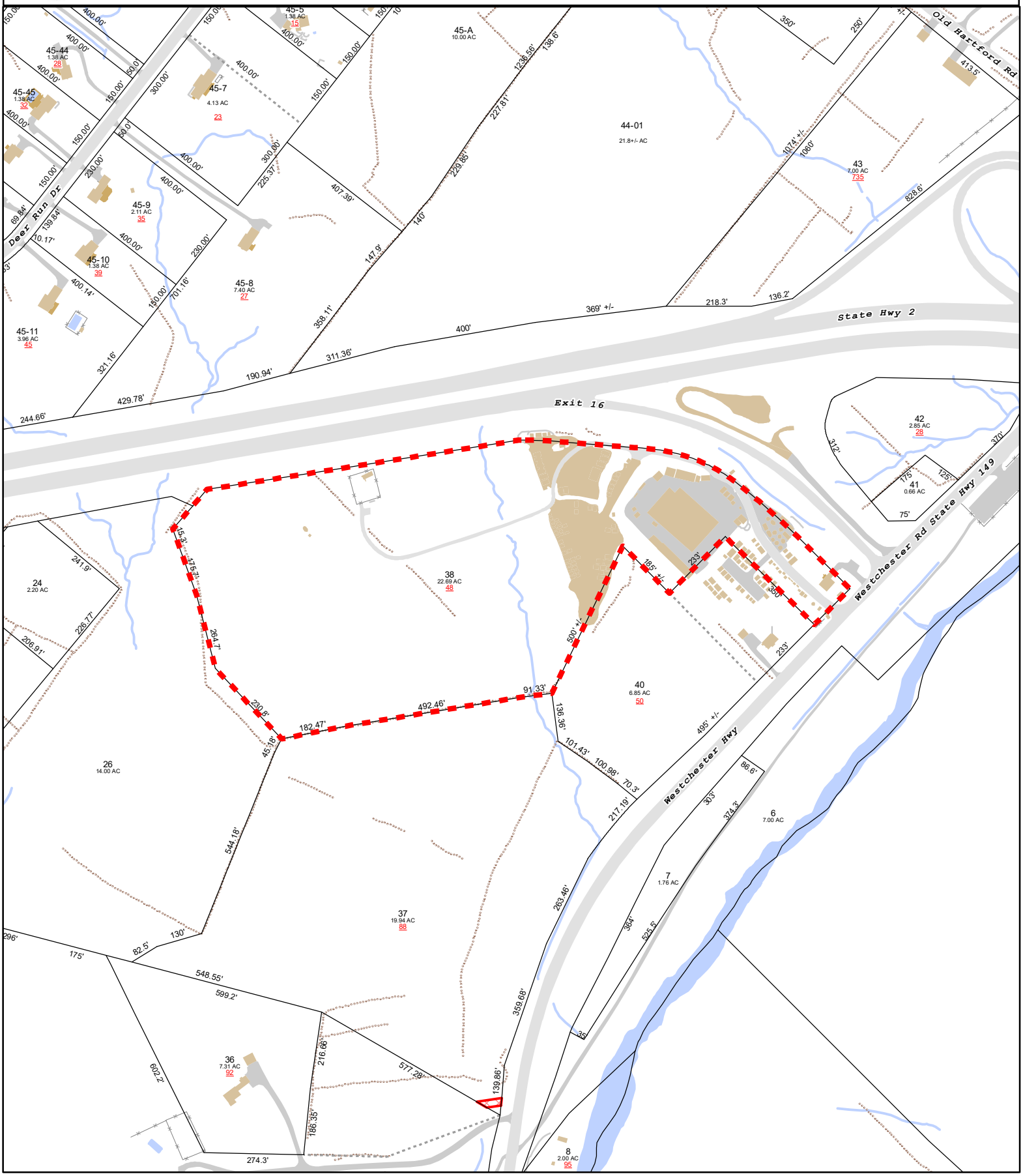
Dejian Xu, PE
Technical Specialist

ATTACHMENT 5

Town of Colchester, Connecticut - Assessment Parcel Map

Parcel: 06-12-038-000

Address:



Approximate Scale: **1 inch = 350 feet**

0 180 360 540 720

Feet

Map Produced: April 2021 / Grand List: 2020

Town of Colchester, CT

Property Report

Map Block Lot	PID	Building #	Section #	Account
06-12/038-000	3133	1	1	M0428100

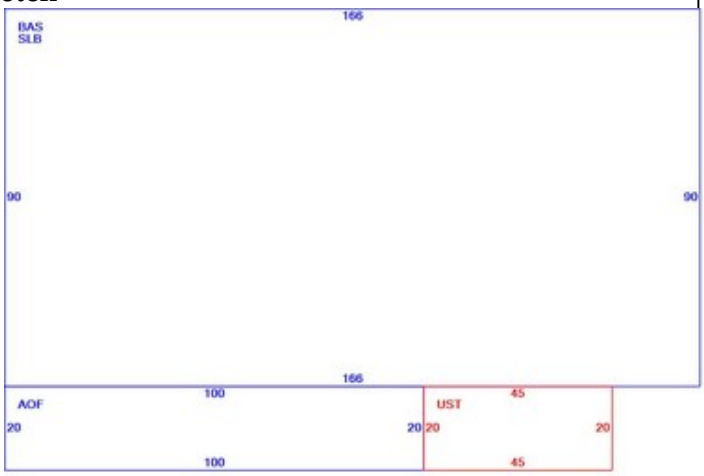
Property Information

Property Location	48 WESTCHESTER RD
Owner	NA
Co-Owner	NA
Mailing Address	48 WESTCHESTER RD COLCHESTER CT 06415
Land Use	4000 Factory MDL-96
Land Class	I
Zoning Code	I
Census Tract	

Neighborhood	
Acreage	22.69
Utilities	UNKNOWN
Lot Setting/Desc	UNKNOWN UNKNOWN
Additional Info	

Photo

Sketch



Primary Construction Details

Year Built	1989
Stories	1
Building Style	Pre-Eng Mfg
Building Use	Commercial
Building Condition	
Interior Floors 1	Concrete Slab
Interior Floors 2	Carpet
Total Rooms	0
Basement Garages	
Occupancy	1.00
Building Grade	

Bedrooms	0
Full Bathrooms	0
Half Bathrooms	0
Extra Fixtures	0
Bath Style	
Kitchen Style	
Roof Style	Gable
Roof Cover	Metal/Tin
AC Type	None
Fireplaces	0

Exterior Walls	Pre-finsh Metl
Exterior Walls 2	NA
Interior Walls	Minimum
Interior Walls 2	NA
Heating Type	Hot Air-no Duc
Heating Fuel	Gas
Sq. Ft. Basement	
Fin BSMT Quality	
Extra Kitchens	

Report Created On 6/21/2021

Town of Colchester, CT

Property Report | Map Block Lot **06-12/038-000** | PID **3133** | Building # **1** | Section # **1** | Account **M0428100**

Valuation Summary

(Assessed value = 70% of Appraised Value)

Item	Appraised	Assessed
Buildings	271900	190400
Extras	18100	12700
Improvements		
Outbuildings	102000	71400
Land	726300	508400
Total	1118300	782900

Outbuilding and Extra Features

Type	Description
Shed Frame	2000 S.F.
Mezzanine-Unfn	3984 S.F.
Air Conditioning	2880 UNITS
Paving Asphalt	30000 S.F.
Lights (1)	2 UNITS
Shed Frame	500 S.F.
Shed Frame	192 S.F.
Garage Poor	400 S.F.
Garage	576 S.F.
Garage	1100 S.F.

Sub Areas

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
Office	2000	2000
First Floor	14940	14940
Slab	14940	0
Utility, Storage, Unfinished	900	0
Total Area		16940

Sales History

Owner of Record	Book/ Page	Sale Date	Sale Price
NA	0374/0274	12/30/1994	0

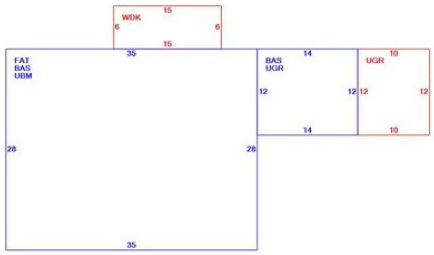
Report Created On **6/21/2021**

Town of Colchester, CT

Property Report | Map Block Lot 06-12/038-000 | PID 3133 | Building # 2 | Section # 1 | Account M0428100

Photo

Sketch



Primary Construction Details

Year Built	1950	Bedrooms	3 Bedrooms	Exterior Walls	Vinyl Siding
Stories	1	Full Bathrooms	1	Exterior Walls 2	NA
Building Style	Ranch	Half Bathrooms	0	Interior Walls	Drywall
Building Use	Residential	Extra Fixtures	0	Interior Walls 2	NA
Building Condition		Bath Style		Heating Type	Forced Air-Duc
Interior Floors 1	Vinyl/Resil.	Kitchen Style		Heating Fuel	Oil
Interior Floors 2	Carpet	Roof Style	Gable	Sq. Ft. Basement	
Total Rooms	6	Roof Cover	Asphalt	Fin BSMT Quality	
Basement Garages		AC Type	Wall Unit	Extra Kitchens	
Occupancy	1.00	Fireplaces	0		
Building Grade					

Sub Areas

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
First Floor	1148	1148
Attic, Finished	980	196
Basement, Unfinished	980	0
Bsmt Garage	288	0
Wood Deck	90	0

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
Total Area		1344

Report Created On

ATTACHMENT 6

UNITED STATES POSTAL SERVICE®

COLCHESTER 2

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		Postmaster, per *(name of receiving employee)*	neopost 06/22/2021 US POSTAGE $002.89⁰ ZIP 06103 041L1220937

USPS® Tracking Number / Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	Mary Bylone, First Selectman Town of Colchester 127 Norwich Avenue Colchester, CT 06415		OLD STATE HOUSE STATION 06103 JUN 22 2021 USPS		
2.	Matthew Bordeaux, Town Planner Town of Colchester 127 Norwich Avenue Colchester, CT 06415				
3.	Margus Properties LLC 48 Westchester Road Colchester, CT 06415				
4.					
5.					
6.					

See Reverse for Instructions