Robinson+Cole

KENNETH C. BALDWIN

280 Trumbull Street
Hartford, CT 06103-3597
Main (860) 275-8200
Fax (860) 275-8299
kbaldwin@rc.com
Direct (860) 275-8345

Also admitted in Massachusetts
and New York

January 27, 2022

Via Electronic Mail

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

Re: **Notice of Exempt Modification – Facility Modification**
56 (a/k/a 54) Floydville Road), East Granby, Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains an existing wireless telecommunications facility at the above-referenced property address (the "Property"). The facility consists of antennas and remote radio heads attached to the existing tower and associated equipment on the ground adjacent to the tower. The tower was approved by the Town of East Granby ("Town") in June of 2001. Cellco's use of the tower was approved by the Siting Council ("Council") in August of 2002 (EM-VER-040-020717). A copy of the Town's tower approval and the Council's EM-VER-040-020717 approval are included in Attachment 1.

Cellco now intends to modify its facility by removing twelve (12) existing antennas and installing three (3) new Samsung MT6407-77A antennas and six (6) NHH-65B-R2B antennas on its existing antenna platform. Cellco also intends to 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 specifications for Cellco's new antennas and RRHs are included in Attachment 2.

Please accept this letter as notification pursuant to R.C.S.A. § 16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to the Town '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. The proposed replacement antennas and RRHs will be installed on Cellco's existing antenna platform.

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

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

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

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

6. According to the attached Structural Analysis ("SA") and Mount Analysis ("MA"), the existing tower, tower foundation and antenna mounts, with certain modifications, can support Cellco's proposed modifications. Copies of the SA and MA are included in Attachment 4.[1]

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).

[1] The SA references a 11/3/21 MA and 11/4/21 MA Modification. Please note, that these references relate to the same document as the MA is dated 11/3/21 with an Engineer "stamp date" of 11/4/21.

Sincerely,

Kenneth C. Baldwin

Enclosures
Copy to:

James Hayden, East Granby First Selectman
Gary Haynes, Director of Community Development
D.I. Paine and Sons, Property Owner
Alex Tyurin, Verizon Wireless

ATTACHMENT 1

TOWN
PLANNING
9
EAST

4271 EE69 8000 004E 6607

CERTIFIED MAIL RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

Article Sent To: SBA Inc

Postage	$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$

Postmark Here

Name (Please Print Clearly) (to be completed by mailer)

Street, Apt. No.; or PO Box No.

City, State, ZIP+4

PS Form 3800, July 1999 See Reverse for Instructio

June 6, 2001

SBA Properties, Inc.
C/o Thomas F. Flynn III
80 Eastern Boulevard
Glastonbury, CT 06033

CERTIFIED MAIL

Dear Sir,

At its meeting on June 5, 2001, the East Granby Planning & Zoning Commission voted to approve your Application #01-03 for a communication tower on the Paine property (ref. Sheets T-1, S-1, Z-1, Z-2, and Z-5 all dated revised 1/26/01 and Sheets 2, 3 and Z-4 all dated 11/01/00) subject to the following conditions:

1. The tower height shall be 120 feet maximum. (Data provided did not show the 130 feet tower was necessary.)

2. The two Paine properties shall be legally combined and evidence of such shall be provided to the Commission. The necessary revisions shall be made to the plans (Resolve yard requirements and confusion as noted in the Town Engineer's letter dated 3/06/01 item 2.3.)

3. A letter of approval be provided from the FAA that the proposed tower meets their requirements (ref. section IX, G3d of the Zoning Regulations).

4. A $70,000 bond shall be posted prior to construction to be used to remove the tower if abandoned per section IX, G7 of the Zoning Regulations.

5. A written statement from the applicant/First Selectman indicating what agreement for Town use was reached (ref. section IX, G3e).

6. The entrance driveway shall remain as shown for approximately 160 feet where it reaches the 190-foot elevation. It shall turn towards the right and follow the 190-foot contour line to the site. A 10-foot side yard dimension shall also be added.

7. Add a note that all utilities must be underground and remove all references to new overhead utilities (ref. 4/04/01 minutes of the Inland/Wetlands Commission and the PZC public hearing).

8. Add a note that this approval is for one carrier, Verizon at the 120-foot height level. All additional levels and carriers need further approval.

9. A written statement by a competent professional describing the impact on public health and safety associated with the proposed activity with particular emphasis on radio emissions (signal frequency, intensity and power density) and structural integrity shall be provided to the Commission. (Note: Information provided at the public hearing was not signed by anyone.)

10. Landscaping shall be added to the west and south side of the facility per the PZC's approval.

11. As noted above, the conditions require numerous revisions to the detailed plans on almost every page. This includes the property size which is a total of 17.3 acres for the two lots that will become one.

Please submit a mylar and four copies of the revised plans for the Commission's signature.

Sincerely,

Frederick O'Brien

Frederick O'Brien
Chairman

Cc: Town Clerk
Building Official
Town Engineer
Assessor

SENDER: COMPLETE THIS SECTION
- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
SBA
C/o T. Flynn
80 Eastern Boulevard
Glastonbury, CT
06033

COMPLETE THIS SECTION ON DELIVERY
A. Received by (Please Print Clearly) B. Date of Deliv 6-7-01
C. Signature X [signature] ☐ Agent ☐ Address
D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandis
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Copy from service label) 7099 3400 0008 8633 1724

PS Form 3811, July 1999 Domestic Return Receipt 102595-99-M-1789

STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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

August 8, 2002

Kenneth C. Baldwin
Robinson & Cole
280 Trumbull Street
Hartford, CT 06103-3597

RE: **EM-VER-040-020717** - Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 56 Floydville Road, East Granby, Connecticut.

Dear Attorney Baldwin:

At a public meeting held on August 1, 2002, the Connecticut Siting Council (Council) acknowledged your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated July 17, 2002. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. 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 will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of 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.

Thank you for your attention and cooperation.

Very truly yours,

Mortimer A. Gelston
Chairman

MAG/DM/laf

c: Honorable David K. Kilbon, First Selectman, Town of East Granby
Richard A. Nelson, Zoning Enforcement Officer, Town of East Granby
Sheila R. Becker, SBA, Inc.
Stephen J. Humes, Esq., LeBoeuf, Lamb, Greene & MacRae
Christopher B. Fisher, Esq., Cuddy & Feder & Worby LLP

ATTACHMENT 2

SITE NAME: E GRANBY 2 CT
PLSC NUMBER: 468906
FUZE I.D. NUMBER: 16272242

56 FLOYDVILLE ROAD
EAST GRANBY, CT 06026
HARTFORD COUNTY

PROJECT NOTES

1. SITE INFORMATION OBTAINED FROM THE FOLLOWING:
   A. PLAN ENTITLED "AWS SITE MODIFICATION - E GRANBY 2 CT" PREPARED BY ON AIR ENGINEERING, LLC OF COLD SPRING, NY LAST REVISED 08/10/14.
   B. POST-MOD ANTENNA MOUNT ANALYSIS REPORT PREPARED MASER CONSULTING CONNECTICUT, P.C. OF MOUNT LAUREL, NJ DATED 11/03/21
   C. LIMITED FIELD OBSERVATION BY MASER CONSULTING CONNECTICUT, P.C. ON 09/14/21.
2. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITY COMPANIES OR OTHER PUBLIC/GOVERNING AUTHORITIES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR MUNICIPAL AUTHORITIES.
4. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER, IN WRITING, OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BIDS OR PERFORMANCE OF WORK.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SITE IMPROVEMENTS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGE AS A RESULT OF CONSTRUCTION OF THIS FACILITY AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
6. THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED TO COMPLETE THIS PROJECT. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
7. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING THE BID TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND CONSTRUCTION DRAWINGS.
8. THE CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THESE DRAWINGS MUST BE VERIFIED. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
9. SINCE THE CELL SITE MAY BE ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE REQUIRED TO BE WORN TO ALERT OF ANY POTENTIALLY DANGEROUS EXPOSURE LEVELS.
10. THE PROPOSED FACILITY WILL CAUSE AN INSIGNIFICANT OR "DE-MINIMUS" INCREASE IN STORM WATER RUNOFF, THEREFORE, NO DRAINAGE STRUCTURES ARE PROPOSED.
11. NO NOISE, SMOKE, DUST OR ODOR WILL RESULT FROM THIS FACILITY AS TO CAUSE A NUISANCE.
12. THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION (NO HANDICAP ACCESS IS REQUIRED).
13. THE FACILITY DOES NOT REQUIRE POTABLE WATER OR SANITARY SERVICE.
14. CONTRACTOR SHALL VERIFY ANTENNA ELEVATION AND AZIMUTHS WITH RF ENGINEERING PRIOR TO INSTALLATION.
15. ALL STRUCTURAL ELEMENTS SHALL BE HOT DIPPED GALVANIZED STEEL.
16. CONTRACTOR MUST FIELD LOCATE ALL EXISTING UNDERGROUND UTILITIES PRIOR TO ANY EXCAVATION.
17. CONSTRUCTION SHALL NOT COMMENCE UNTIL COMPLETION OF A PASSING STRUCTURAL ANALYSIS CERTIFIED BY A LICENSED PROFESSIONAL ENGINEER. THE STRUCTURAL ANALYSIS IS TO BE PERFORMED BY OTHERS.
18. CONTRACTOR SHALL CONTACT STATE SPECIFIC ONE CALL SYSTEM THREE WORKING DAYS PRIOR TO ANY EARTH MOVING ACTIVITIES.

VICINITY MAP

SOURCE: BING MAPS

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THE LATEST EDITIONS OF THE FOLLOWING CODES.

1. 2018 CONNECTICUT STATE BUILDING CODE, INCORPORATING THE 2015 IBC
2. 2017 NATIONAL ELECTRICAL CODE - NFPA 70
3. 2015 NFPA 101
4. AMERICAN INSTITUTE OF STEEL CONSTRUCTION 360-10
5. AMERICAN CONCRETE INSTITUTE
6. TIA-222-H
7. TIA 607 FOR GROUNDING
8. INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS 81 IEEE C2 LATEST EDITION
9. TELCORDIA GR-1275
10. ANSI T1.311
11. PROPOSED USE: UNMANNED TELECOM FACILITY
12. HANDICAP REQUIREMENTS: FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS NOT REQUIRED.
13. CONSTRUCTION TYPE: IIB
14. USE GROUP: U

PROJECT INFORMATION

SITE INFORMATION

LATITUDE: 41.92865°
LONGITUDE: -72.7761°
GROUND ELEVATION: 651.07'± AMSL
JURISDICTION: TOWN OF EAST GRANBY

APPLICANT

COMPANY: VERIZON WIRELESS
ADDRESS: 118 FLANDERS ROAD, THIRD FLOOR
CITY, STATE, ZIP: WESTBOROUGH, MA 01581

TOWER OWNER

OWNER: SBA TOWERS
ADDRESS: 5900 BROKEN SOUND PARKWAY NW
CITY, STATE, ZIP: BOCA RANTON, FL 33487
SITE ID: CT03801-S

SITE ACQUISITION

COMPANY: SAI COMMUNICATIONS
ADDRESS: 68 AVALON ROAD
CITY, STATE, ZIP: MILTON, MA 02186

ENGINEERING COMPANY

COMPANY: MASER CONSULTING CONNECTICUT, P.C.
CONTACT: PETE ALBANO, PE
PHONE: (856) 797-0412
E-MAIL: PETER.ALBANO@COLLIERSENGINEERING.COM

CONTRACTOR PMI REQUIREMENT

PMI LOCATION: HTTPS://PMI.VZWSMART.COM
SMART TOOL VENDOR PROJECT #: 10101462
VZW LOCATION CODE (PSLC): 468906
ANALYSIS DATE: 11/3/2021

*** PMI AND REQUIREMENTS ARE EMBEDDED IN MOUNT ANALYSIS REPORT

MOUNT MODIFICATIONS REQUIRED : YES

REFER TO MOUNT MODIFICATION DRAWINGS PAGE FOR VZW SMART KIT APPROVED VENDORS

PROJECT DESCRIPTION/ SCOPE OF WORK

THE PROPOSED PROJECT SCOPE INCLUDES MODIFYING TOWER MOUNTED EQUIPMENT AS INDICATED PER BELOW.

- REMOVE (12) EXISTING ANTENNAS
- INSTALL (9) PROPOSED ANTENNAS
- REMOVE (6) EXISTING REMOTE RADIO HEADS
- INSTALL (6) PROPOSED REMOTE RADIO HEADS
- REMOVE (2) HYBRID CABLES
- INSTALL (1) HYBRID CABLE
- REMOVE (2) OVP
- INSTALL (1) OVP
- INSTALL MOUNT MODIFICATIONS AS REQUIRED

SHEET INDEX

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- COLORADO
- CONNECTICUT

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SCALE : AS SHOWN
JOB NUMBER : 21777107A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
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1	12/10/21	ISSUED FOR CONSTRUCTION	MJB	PMA
0	12/01/21	ISSUED FOR CONSTRUCTION	AJC	PMA
B	11/10/21	ISSUED FOR REVIEW	DRP	PMA
A	10/13/21	ISSUED FOR REVIEW	DRP	PMA

STATE OF CONNECTICUT PETER MICHAEL ALBANO No. 35459 LICENSED PROFESSIONAL ENGINEER

Peter M. Albano
CONNECTICUT LICENSED PROFESSIONAL ENGINEER
LICENSE NUMBER: 35459
MASER CONSULTING CONNECTICUT
C.T. JPC.0000131
12/16/21

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE RESPONSIBLE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SITE NAME:
E GRANBY 2 CT

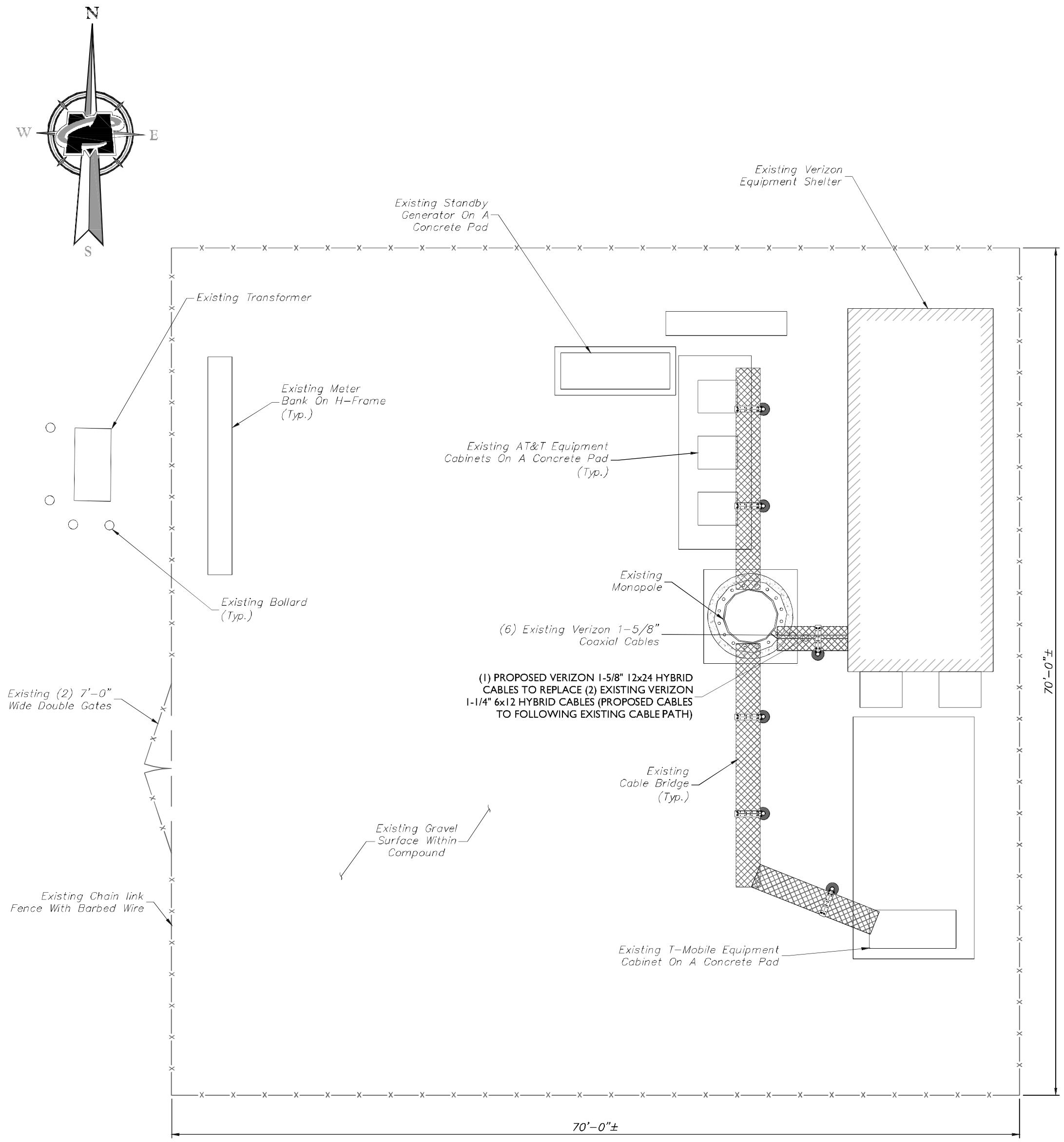
56 FLOYDVILLE ROAD
EAST GRANBY, CT 06026
HARTFORD COUNTY

STAMFORD OFFICE
1055 Washington Boulevard
Stamford, CT 06901
Phone: 203.324.0800

SHEET TITLE : TITLE SHEET

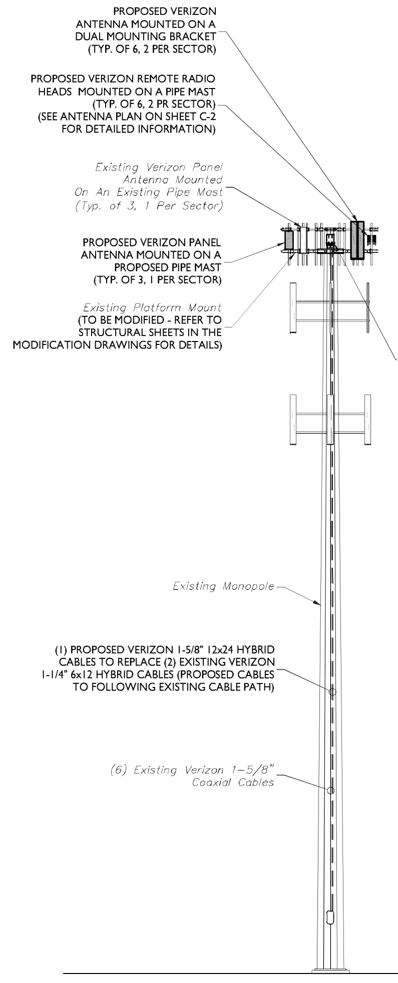
SHEET NUMBER : T-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.


N
W
E
S
Existing Verizon Equipment Shelter
Existing Standby Generator On A Concrete Pad
Existing Transformer
Existing Meter Bank On H-Frame (Typ.)
Existing AT&T Equipment Cabinets On A Concrete Pad (Typ.)
Existing Monopole
(6) Existing Verizon 1-5/8" Coaxial Cables
(1) PROPOSED VERIZON 1-5/8" 12x24 HYBRID CABLES TO REPLACE (2) EXISTING VERIZON 1-1/4" 6x12 HYBRID CABLES (PROPOSED CABLES TO FOLLOWING EXISTING CABLE PATH)
Existing Bollard (Typ.)
Existing (2) 7'-0" Wide Double Gates
Existing Cable Bridge (Typ.)
Existing Gravel Surface Within Compound
Existing Chain link Fence With Barbed Wire
Existing T-Mobile Equipment Cabinet On A Concrete Pad
70'-0"±
70'-0"±

COMPOUND LAYOUT

SCALE : 1" = 5' FOR 22"X34"
(SCALE : 1" = 10' FOR 11"X17")


PROPOSED VERIZON ANTENNA MOUNTED ON A DUAL MOUNTING BRACKET (TYP. OF 6, 2 PER SECTOR)
PROPOSED VERIZON REMOTE RADIO HEADS MOUNTED ON A PIPE MAST (TYP. OF 6, 2 PR SECTOR) (SEE ANTENNA PLAN ON SHEET C-2 FOR DETAILED INFORMATION)
Existing Verizon Panel Antenna Mounted On An Existing Pipe Mast (Typ. of 3, 1 Per Sector)
PROPOSED VERIZON PANEL ANTENNA MOUNTED ON A PROPOSED PIPE MAST (TYP. OF 3, 1 PER SECTOR)
Existing Platform Mount (TO BE MODIFIED - REFER TO STRUCTURAL SHEETS IN THE MODIFICATION DRAWINGS FOR DETAILS)
PROPOSED VERIZON OVP MOUNTED ON AN EXISTING STANDOFF OVP PIPE
TOP OF PROPOSED VERIZON ANTENNAS @ 121'-0"± AGL
Top of Existing Monopole @ 120'-0"± AGL
CENTERLINE OF EXISTING AND PROPOSED VERIZON ANTENNAS @ 118'-0"± AGL
Centerline Of Existing Antennas @ 107'-0"± AGL
Centerline Of Existing Antennas @ 89'-0"± AGL
Existing Monopole
(1) PROPOSED VERIZON 1-5/8" 12x24 HYBRID CABLES TO REPLACE (2) EXISTING VERIZON 1-1/4" 6x12 HYBRID CABLES (PROPOSED CABLES TO FOLLOWING EXISTING CABLE PATH)
(6) Existing Verizon 1-5/8" Coaxial Cables
Existing Grade @ 0' AGL

ELEVATION VIEW

SCALE : 1" = 10' FOR 22"X34"
(SCALE : 1" = 20' FOR 11"X17")

STRUCTURAL NOTES:

1. A POST-MOD ANTENNA MOUNT ANALYSIS REPORT PREPARED BY MASER CONSULTING CONNECTICUT, P.C., DATED 11/03/21 HAS BEEN PREPARED TO CHECK THE STRUCTURAL CAPACITY OF THE EXISTING ANTENNA MOUNT TO SUPPORT THE PROPOSED ANTENNA AND EQUIPMENT CONFIGURATION AS DEPICTED WITHIN THESE CONSTRUCTION DRAWINGS. BASED ON THE CONCLUSIONS OF THIS REPORT, THE ANTENNA MOUNT HAS BEEN DETERMINED TO HAVE SUFFICIENT CAPACITY PENDING INSTALLATION OF THE MODIFICATIONS OUTLINED IN THE APPROVED MODIFICATION DRAWINGS.
2. A STRUCTURAL ANALYSIS PREPARED BY SBA COMMUNICATIONS DATED 11/04/21 HAS BEEN PREPARED TO CHECK THE STRUCTURAL CAPACITY OF THE EXISTING TOWER AND FOUNDATION. THE EXISTING TOWER AND FOUNDATION HAS BEEN DETERMINED TO HAVE SUFFICIENT CAPACITY FOR THE PROPOSED CARRIER LOADING.
3. THE CONTRACTOR IS RESPONSIBLE TO CONFIRM THAT ANY IMPROVEMENTS AND REINFORCEMENTS REQUIRED BY THE STRUCTURAL ANALYSIS CERTIFICATION ARE PROPERLY INSTALLED PRIOR TO THE ADDITION OF ANTENNAS, CABLES, SUPPORTS AND APPURTENANCES PROPOSED ON THESE DRAWINGS OR OTHERWISE NOTED IN THE STRUCTURAL ANALYSIS.

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REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
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1	12/10/21	ISSUED FOR CONSTRUCTION	MJB	PMA
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B	11/10/21	ISSUED FOR REVIEW	DRP	PMA
A	10/13/21	ISSUED FOR REVIEW	DRP	PMA

Peter M. Albano
CONNECTICUT LICENSED PROFESSIONAL ENGINEER
LICENSE NUMBER: 35459
MASER CONSULTING CONNECTICUT
C.T. JPC.0000131

12/16/21

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SITE NAME:
E GRANBY 2 CT

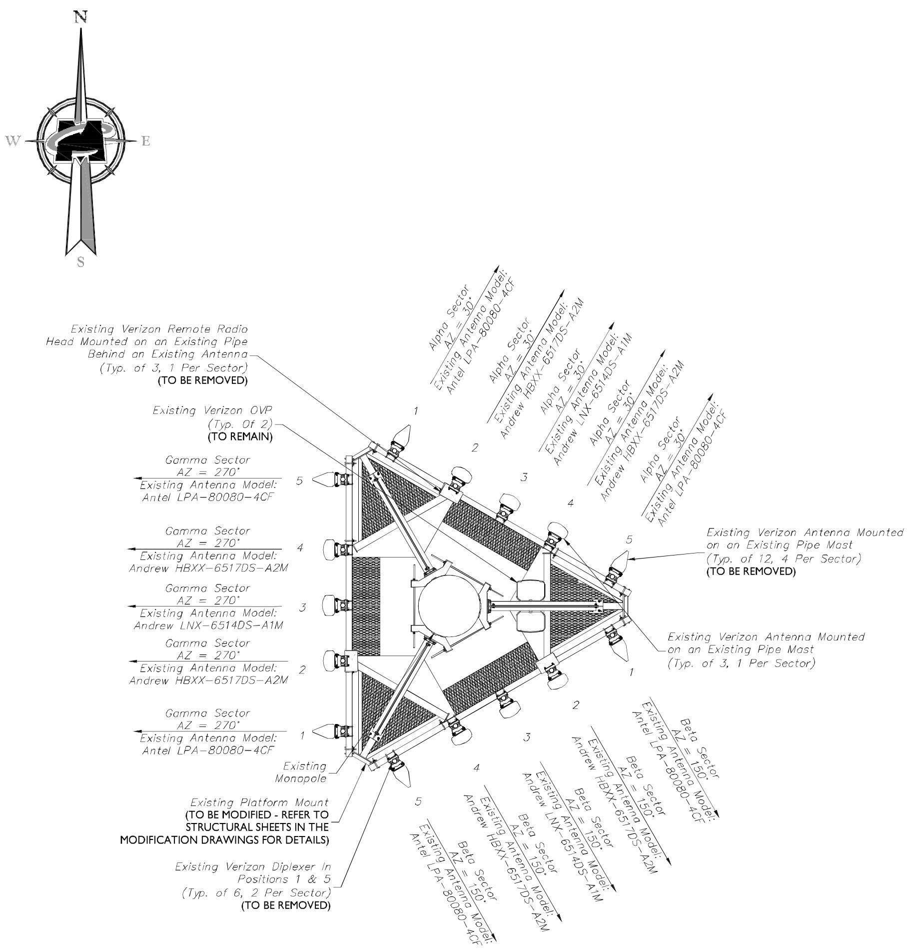
56 FLOYDVILLE ROAD
EAST GRANBY, CT 06026
HARTFORD COUNTY

STAMFORD OFFICE
1055 Washington Boulevard
Stamford, CT 06901
Phone: 203.324.0800

SHEET TITLE :
COMPOUND LAYOUT AND ELEVATION VIEW

SHEET NUMBER :
C-1

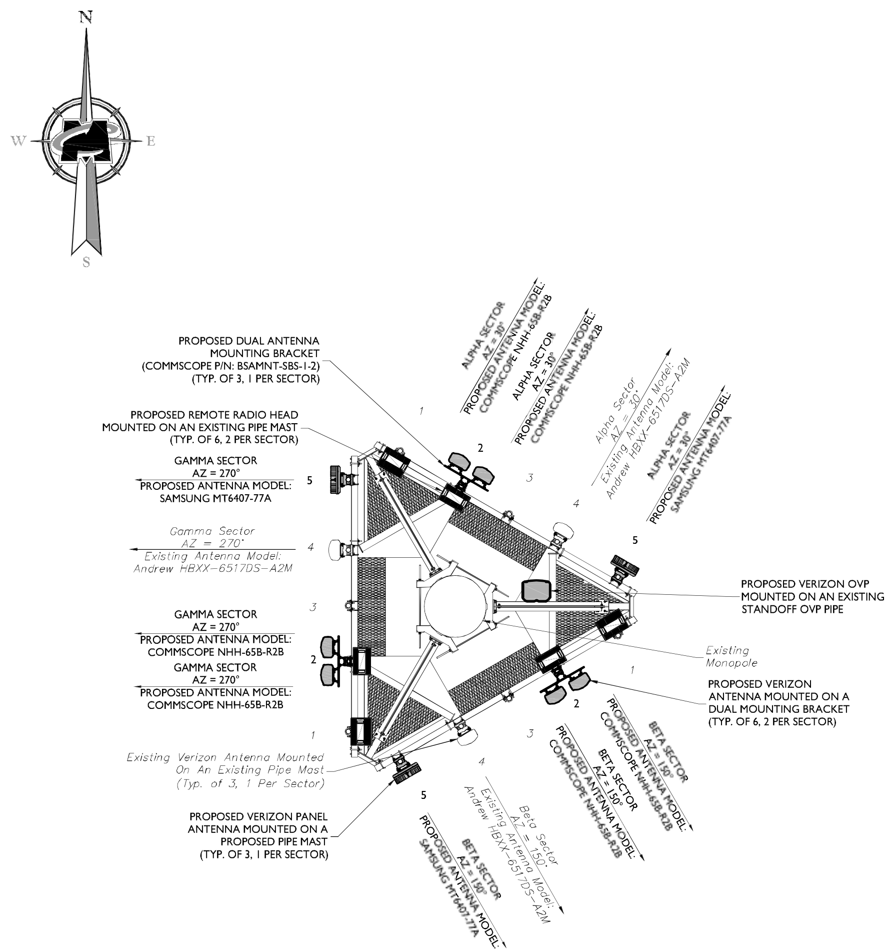
NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



N
W
E
S
Existing Verizon Remote Radio Head Mounted on an Existing Pipe Behind an Existing Antenna (Typ. of 3, 1 Per Sector)
(TO BE REMOVED)
Existing Verizon OVP (Typ. Of 2)
(TO REMAIN)
Gamma Sector
AZ = 270°
Existing Antenna Model:
Antel LPA-80080-4CF
Gamma Sector
AZ = 270°
Existing Antenna Model:
Andrew HBXX-6517DS-A2M
Gamma Sector
AZ = 270°
Existing Antenna Model:
Andrew LNX-6514DS-A1M
Gamma Sector
AZ = 270°
Existing Antenna Model:
Andrew HBXX-6517DS-A2M
Gamma Sector
AZ = 270°
Existing Antenna Model:
Antel LPA-80080-4CF
Existing Monopole
Existing Platform Mount
(TO BE MODIFIED - REFER TO STRUCTURAL SHEETS IN THE MODIFICATION DRAWINGS FOR DETAILS)
Existing Verizon Diplexer In Positions 1 & 5 (Typ. of 6, 2 Per Sector)
(TO BE REMOVED)
Alpha Sector
AZ = 30°
Existing Antenna Model:
Antel LPA-80080-4CF
Alpha Sector
AZ = 30°
Existing Antenna Model:
Andrew HBXX-6517DS-A2M
Alpha Sector
AZ = 30°
Existing Antenna Model:
Andrew LNX-6514DS-A1M
Alpha Sector
AZ = 30°
Existing Antenna Model:
Andrew HBXX-6517DS-A2M
Alpha Sector
AZ = 30°
Existing Antenna Model:
Antel LPA-80080-4CF
Existing Verizon Antenna Mounted on an Existing Pipe Mast (Typ. of 12, 4 Per Sector)
(TO BE REMOVED)
Existing Verizon Antenna Mounted on an Existing Pipe Mast (Typ. of 3, 1 Per Sector)
Beta Sector
AZ = 150°
Existing Antenna Model:
Antel LPA-80080-4CF
Beta Sector
AZ = 150°
Existing Antenna Model:
Andrew HBXX-6517DS-A2M
Beta Sector
AZ = 150°
Existing Antenna Model:
Andrew LNX-6514DS-A1M
Beta Sector
AZ = 150°
Existing Antenna Model:
Andrew HBXX-6517DS-A2M
Beta Sector
AZ = 150°
Existing Antenna Model:
Antel LPA-80080-4CF

EXISTING ANTENNA LAYOUT

NOT TO SCALE



N
W
E
S
PROPOSED DUAL ANTENNA MOUNTING BRACKET (COMMSCOPE P/N: BSAMNT-SBS-1-2) (TYP. OF 3, 1 PER SECTOR)
PROPOSED REMOTE RADIO HEAD MOUNTED ON AN EXISTING PIPE MAST (TYP. OF 6, 2 PER SECTOR)
GAMMA SECTOR
AZ = 270°
PROPOSED ANTENNA MODEL:
SAMSUNG MT6407-77A
Gamma Sector
AZ = 270°
Existing Antenna Model:
Andrew HBXX-6517DS-A2M
GAMMA SECTOR
AZ = 270°
PROPOSED ANTENNA MODEL:
COMMSCOPE NHH-65B-R2B
GAMMA SECTOR
AZ = 270°
PROPOSED ANTENNA MODEL:
COMMSCOPE NHH-65B-R2B
Existing Verizon Antenna Mounted On An Existing Pipe Mast (Typ. of 3, 1 Per Sector)
PROPOSED VERIZON PANEL ANTENNA MOUNTED ON A PROPOSED PIPE MAST (TYP. OF 3, 1 PER SECTOR)
ALPHA SECTOR
AZ = 30°
PROPOSED ANTENNA MODEL:
COMMSCOPE NHH-65B-R2B
ALPHA SECTOR
AZ = 30°
PROPOSED ANTENNA MODEL:
COMMSCOPE NHH-65B-R2B
Alpha Sector
AZ = 30°
Existing Antenna Model:
Andrew HBXX-6517DS-A2M
ALPHA SECTOR
AZ = 30°
PROPOSED ANTENNA MODEL:
SAMSUNG MT6407-77A
PROPOSED VERIZON OVP MOUNTED ON AN EXISTING STANDOFF OVP PIPE
Existing Monopole
PROPOSED VERIZON ANTENNA MOUNTED ON A DUAL MOUNTING BRACKET (TYP. OF 6, 2 PER SECTOR)
BETA SECTOR
AZ = 150°
PROPOSED ANTENNA MODEL:
COMMSCOPE NHH-65B-R2B
BETA SECTOR
AZ = 150°
PROPOSED ANTENNA MODEL:
COMMSCOPE NHH-65B-R2B
Beta Sector
AZ = 150°
Existing Antenna Model:
Andrew HBXX-6517DS-A2M
BETA SECTOR
AZ = 150°
PROPOSED ANTENNA MODEL:
SAMSUNG MT6407-77A

PROPOSED ANTENNA LAYOUT

NOT TO SCALE

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

Issue:

Install proposed OVP unit directly to the existing standoff OVP pipe.

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.	.	.	.	.
1	12/10/21	ISSUED FOR CONSTRUCTION	MJB	PMA
0	12/01/21	ISSUED FOR CONSTRUCTION	AJC	PMA
B	11/10/21	ISSUED FOR REVIEW	DRP	PMA
A	10/13/21	ISSUED FOR REVIEW	DRP	PMA

STATE OF CONNECTICUT PETER MICHAEL ALBANO LICENSED PROFESSIONAL ENGINEER

Peter M. Albano

CONNECTICUT LICENSED PROFESSIONAL ENGINEER

LICENSE NUMBER: 35459

MASER CONSULTING CONNECTICUT

12/10/21

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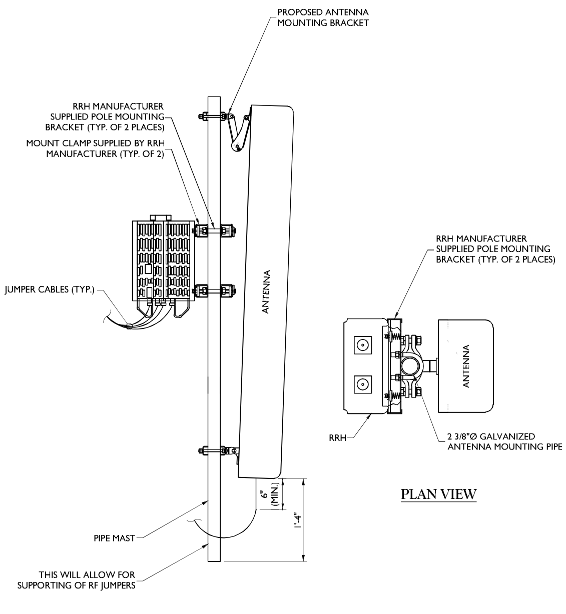
EAST GRANBY, CT 06026
HARTFORD COUNTY

STAMFORD OFFICE
1055 Washington Boulevard
Stamford, CT 06901
Phone: 203.324.0800

SHEET TITLE:
ANTENNA LAYOUTS

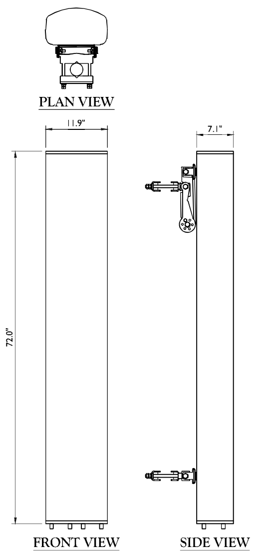
SHEET NUMBER:
C-2

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



ANTENNA MOUNTING DETAIL

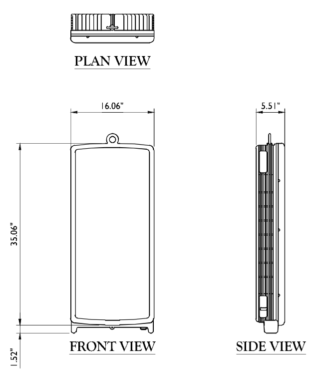
NOT TO SCALE



WEIGHT = 43.7 LBS
WITH WITH BRACKETS = 57.0 LBS

COMMSCOPE NHH-65B-R2B

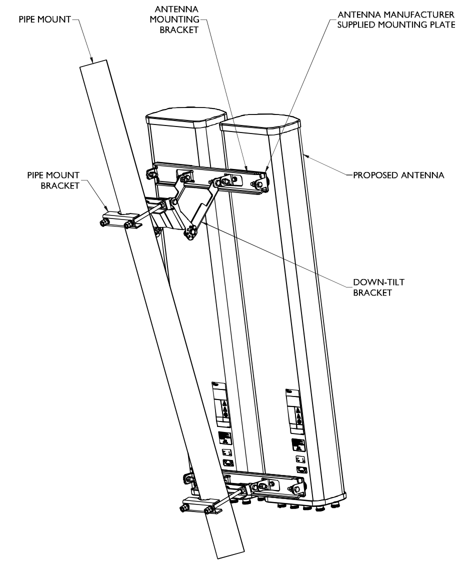
NOT TO SCALE



WEIGHT = 81.57 LBS

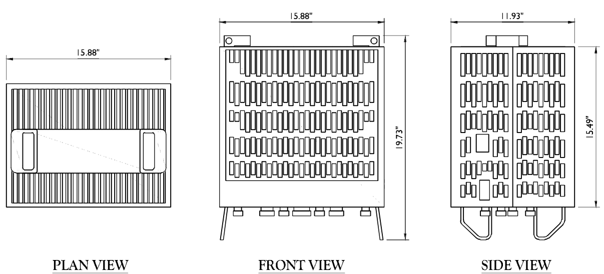
SAMSUNG MT6407-77A

NOT TO SCALE



COMMSCOPE BSAMNT-SBS-1-2

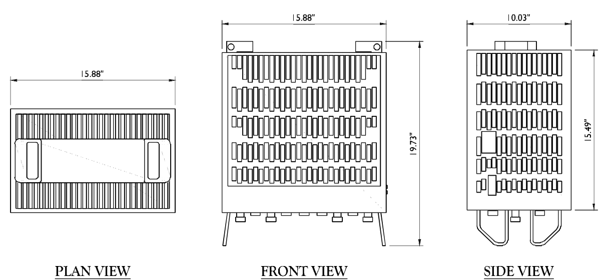
NOT TO SCALE



WEIGHT = 84.4 LBS

SAMSUNG RF4439D-25A (AWS/PCS) RRH WITH FINGER GUARD DETAIL

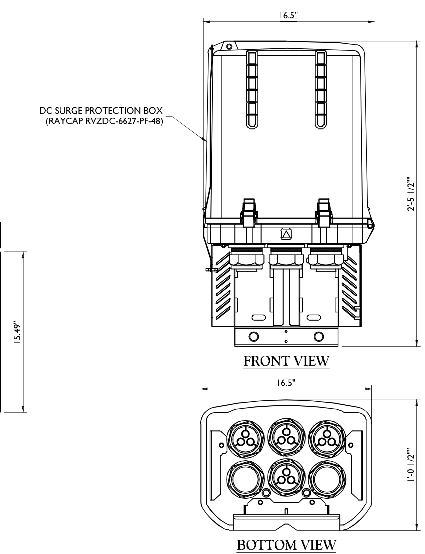
NOT TO SCALE



WEIGHT = 70.3 LBS

SAMSUNG RF4440D-13A (700/850) RRH WITH FINGER GUARD DETAIL

NOT TO SCALE



WEIGHT = 32.0 LBS

RAYCAP RVZDC-6627-PF-48 SURGE PROTECTION

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0	12/01/21	ISSUED FOR CONSTRUCTION	AJC	PMA
B	11/10/21	ISSUED FOR REVIEW	DRP	PMA
A	10/13/21	ISSUED FOR REVIEW	DRP	PMA

Peter M. Albano
CONNECTICUT LICENSED PROFESSIONAL ENGINEER
LICENSE NUMBER: 35459
MASER CONSULTING CONNECTICUT

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HARTFORD COUNTY

STAMFORD OFFICE
1055 Washington Boulevard
Stamford, CT 06901
Phone: 203.324.0800

SHEET TITLE :
CONSTRUCTION DETAILS

SHEET NUMBER :
A-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

Antenna Summary

Added

700	850	1900	AWS	L-Sub6	Make	Model	Centerline	Tip Height	Azimuth	RET	4xRx	Inst. Type	Quantity	Item ID
LTE	LTE 5G	LTE	LTE		COMMSCOPE	NHH-65B-R2B	118	121	30(01) 150(02) 270(03)	true	true	PHYSICAL	6	NHH-65B-R2B
				5G	Samsung	MT6407-77A	118	119.5	30(0136) 150(0137) 270(0138)	false	false	PHYSICAL	3	

Removed

700	850	1900	AWS	L-Sub6	Make	Model	Centerline	Tip Height	Azimuth	RET	4xRx	Inst. Type	Quantity	Item ID
			LTE		ANDREW	HBXX-6517DS-A2M	118	121.1	30(01) 150(02) 270(03)	false	false	PHYSICAL	3	
LTE					ANDREW	LNX-6514DS-A1M	118	121	30(01) 150(02) 270(03)	false	false	PHYSICAL	3	
					ANTEL	LPA-80080-4CF	118	120	30(01) 150(02) 270(03)	false	false	SPARE	6	

Retained

700	850	1900	AWS	L-Sub6	Make	Model	Centerline	Tip Height	Azimuth	RET	4xRx	Inst. Type	Quantity	Item ID
					ANDREW	HBXX-6517DS-A2M	118	121.1	30(01) 150(02) 270(03)	false	false	SPARE	3	

Added: 9 | Removed: 12 | Retained: 3

Equipment Summary

Added

Equipment Type	Location	700	850	1900	AWS	L-Sub6	Make	Model	Cable Length	Cable Size	Install Type	Quantity	Item ID
Mount	Tower						COMMSCOPE	BSAMNT-SBS-1-2			PHYSICAL	3	
Hybrid Cable	Tower	LTE	LTE 5G	LTE	LTE	5G	N/A	12x24 Hybriflex LI		1 5/8"	PHYSICAL	1	
OVP Box	Tower	LTE	LTE 5G	LTE	LTE	5G	Raycap	OVP-12			PHYSICAL	1	
RRU	Tower					5G	Samsung	MT6407-77A			PHYSICAL	3	
RRU	Tower			LTE	LTE		Samsung	RF4439d-25A			PHYSICAL	3	
RRU	Tower	LTE	LTE 5G				Samsung	RF4440d-13A			PHYSICAL	3	

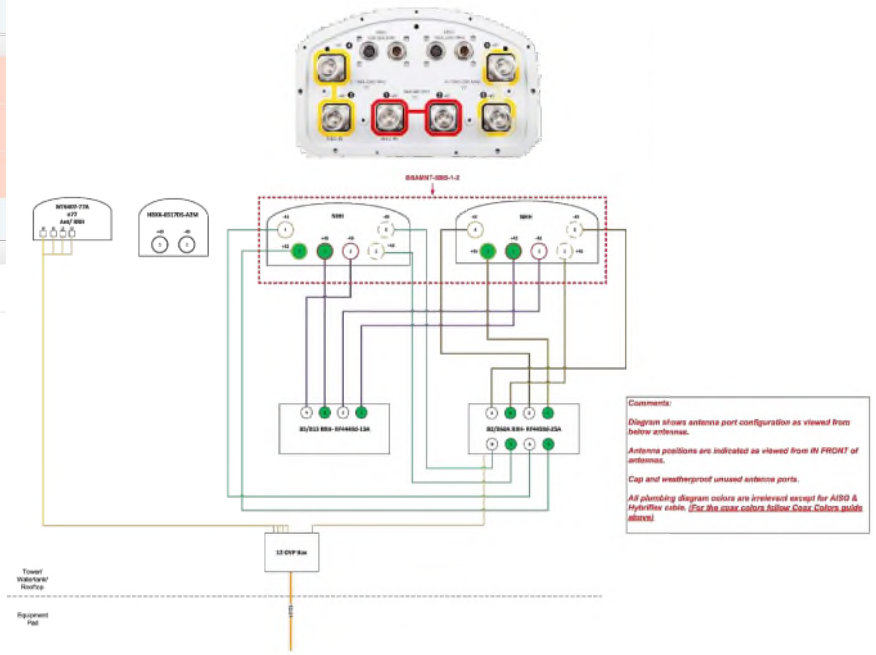
Removed

Equipment Type	Location	700	850	1900	AWS	L-Sub6	Make	Model	Cable Length	Cable Size	Install Type	Quantity	Item ID
Hybrid Cable	Tower	LTE			LTE		N/A	6x12 Hybriflex non-LI		1 1/4"	PHYSICAL	2	
RRU	Tower	LTE					Nokia	UHBA B13 RRH 4x30			PHYSICAL	3	
RRU	Tower				LTE		Nokia	UHIC B4 RRH 2x60-4R			PHYSICAL	3	
OVP Box	Tower	LTE			LTE		Raycap	OVP-6			PHYSICAL	2	
Diplexer	Tower						Unknown	Diplexer			PHYSICAL	6	
Diplexer	Shelter						Unknown	Diplexer			PHYSICAL	6	

Retained

Equipment Type	Location	700	850	1900	AWS	L-Sub6	Make	Model	Cable Length	Cable Size	Install Type	Quantity	Item ID
Coaxial Cables	Tower						N/A	1-5/8" Coax		1 5/8"	SPARE	6	

ANTENNA SCHEDULE



Comments:

Diagram shows antenna port configuration as viewed from below antennas.

Antenna positions are indicated as viewed from IN FRONT of antennas.

Cap and weatherproof unused antenna ports.

All plumbing diagram colors are irrelevant except for AIR6 & Hybriflex cable. (For the coax colors follow Coax Colors guide above)

RF PLUMBING DIAGRAMS

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0	12/01/21	ISSUED FOR CONSTRUCTION	AIC	PMA
B	11/10/21	ISSUED FOR REVIEW	DRP	PMA
A	10/13/21	ISSUED FOR REVIEW	DRP	PMA

STATE OF CONNECTICUT — PETER M. MORANO — CONNECTICUT LICENSED PROFESSIONAL ENGINEER — LICENSE NUMBER: 35459 — MASER CONSULTING CONNECTICUT, P.C. — P.E.C. PC.0000134 — PROFESSIONAL ENGINEER

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SHEET NUMBER: A-2

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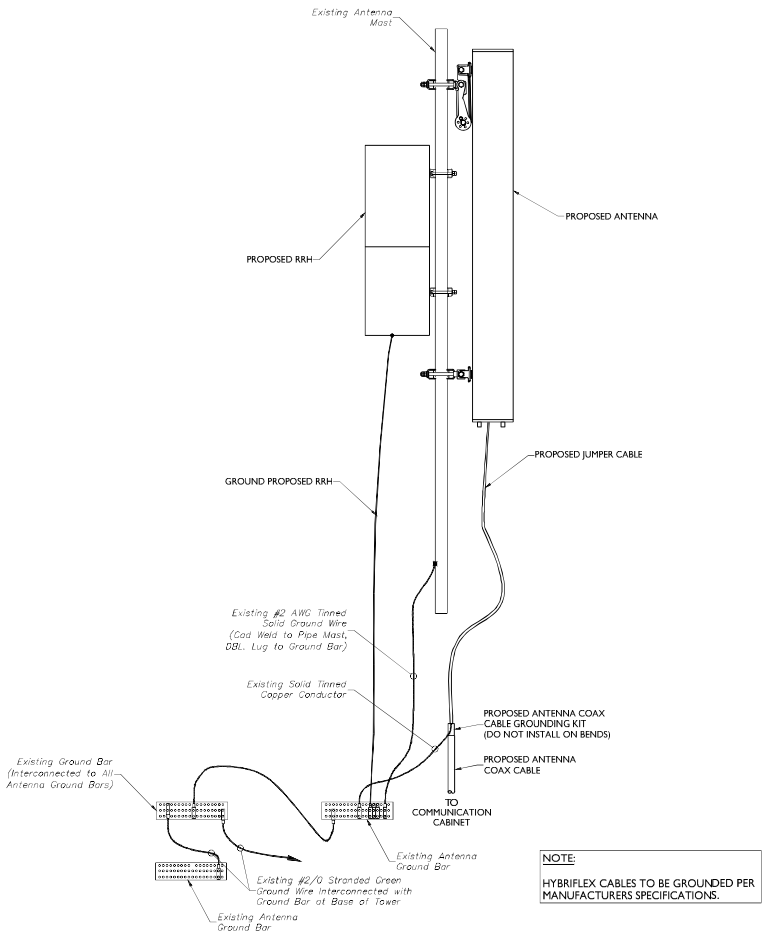

NOTE:

HYBRIFLEX CABLES TO BE GROUNDED PER MANUFACTURERS SPECIFICATIONS.

ANTENNA GROUNDING SCHEMATIC

NOT TO SCALE

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B	11/10/21	ISSUED FOR REVIEW	DRP	PMA
A	10/13/21	ISSUED FOR REVIEW	DRP	PMA

STATE OF CONNECTICUT — PETER MICHAEL LOGRANO — LICENSED PROFESSIONAL ENGINEER

Peter M. Lograno

CONNECTICUT LICENSED PROFESSIONAL ENGINEER

LICENSE NUMBER: 35459

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SHEET TITLE:

GROUNDING DETAILS

SHEET NUMBER:

G-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

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MOUNT MODIFICATION DRAWINGS
EXISTING 13.67' PLATFORM

TOWER OWNER: SBA TOWERS
TOWER OWNER SITE NUMBER: CT03801-S

CARRIER SITE NAME: E GRANBY 2 CT
CARRIER SITE NUMBER: 468906
FUZE ID: 16272242

56 FLOYDVILLE ROAD
EAST GRANBY, CT 06026
HARTFORD COUNTY

LATITUDE: 41.928650° N
LONGITUDE: 72.776100° W

DESIGN CRITERIA

WIND LOADS

BASIC WIND SPEED (3 SECOND GUST), V = 115 MPH
EXPOSURE CATEGORY C
TOPOGRAPHIC CATEGORY 1
MEAN BASE ELEVATION (AMSL) = 651.07'

ICE LOADS

ICE WIND SPEED (3 SECOND GUST), V = 50 MPH
ICE THICKNESS = 1.50 IN

SEISMIC LOADS

SEISMIC DESIGN CATEGORY B
SHORT TERM MCER GROUND MOTION, S_S = .171
LONG TERM MCER GROUND MOTION, S_1 = .054

PROJECT INFORMATION

APPLICANT/LESSEE

COMPANY: VERIZON WIRELESS

CLIENT REPRESENTATIVE

COMPANY: VERIZON WIRELESS

PROJECT MANAGER

COMPANY: MASER CONSULTING CONNECTICUT
CONTACT: PETER ALBANO
PHONE: 856-797-0412
E-MAIL: PETER.ALBANO@COLLIERSENGINEERING.COM

CONTRACTOR PMI REQUIREMENTS

PMI LOCATION: HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #: 10101462
VZW LOCATION CODE (PSLC): 468906
ANALYSIS DATE: 11/3/2021

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

SHEET INDEX

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Digitally signed by Justin Peter Linette
Date: 2021.11.04 12:58:11 -04'00'

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MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE: TITLE SHEET

SHEET NUMBER: ST-1

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BILL OF MATERIALS

SECTION 1 - VZWSMART KITS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
3	VZWSMART	VZWSMART-PLK3	SUPPORT RAIL CORNER BRACKET		30	90
1		VZWSMART-PLK5	KICKER KIT	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1	291	291
1		VZWSMART-PLK7	MONOPOLE COLLAR MOUNT ASSEMBLY		150	150
15		VZWSMART-MSK1	CROSSOVER PLATE		14	210
12		VZWSMART-MSK2	CROSSOVER PLATE		15	180

SECTION 2 - OTHER REQUIRED PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
3	-	-	168" LONG, P2 1/2 STD	GALVANIZED	75	225
3	-	-	36" LONG, L3X3X1/4	GALVANIZED; CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1.	13	39
					TOTAL:	1185

VZWSMART KITS - APPROVED VENDORS

COMMSCOPE	
CONTACT	SALVADOR ANGUIANO
PHONE	(817) 304-7492
EMAIL	SALVADOR.ANGUIANO@COMMSCOPE.COM
WEBSITE	WWW.COMMSCOPE.COM
METROSITE FABRICATORS, LLC	
CONTACT	KENT RAMEY
PHONE	(706) 335-7045 (O), (706) 982-9788 (M)
EMAIL	KENT@METROSITELLC.COM
WEBSITE	METROSITEFABRICATORS.COM
PERFECTVISION	
CONTACT	WIRELESS SALES
PHONE	(844) 887-6723
EMAIL	WWW.PERFECT-VISION.COM
WEBSITE	WIRELESSSALES@PERFECT-VISION.COM
SABRE INDUSTRIES, INC.	
CONTACT	ANGIE WELCH
PHONE	(866) 428-6937
EMAIL	AKWELCH@SABREINDUSTRIES.COM
WEBSITE	WWW.SABRESITESOLUTIONS.COM
SITE PRO 1	
CONTACT	PAULA BOSWELL
PHONE	(972) 236-9843
EMAIL	PAULA.BOSWELL@VALMONT.COM
WEBSITE	WWW.SITEPRO1.COM

NOTES:

1. THE MANUFACTURERS LISTED ARE THE APPROVED VENDORS FOR THE VZW MOUNT KITS. EACH MANUFACTURER WILL BE AWARE OF WHICH KITS HAVE BEEN THROUGH THE VZW APPROVAL PROCESS AND THEY ARE IN TURN APPROVED TO SELL. PLEASE NOTE THAT THE MATERIAL UTILIZED ON THE MOUNT MODIFICATIONS WILL BE REVIEWED AS A PART OF THE DESKTOP PMI COMPLETED BY THE SMART TOOL VENDOR. IT WILL BE REQUIRED THAT THE VZW KITS SPECIFIED ARE UTILIZED IN THE MODIFICATIONS.
2. ALL MATERIALS REQUIRED FOR THE DESIGNED MODIFICATIONS BUT NOT LISTED IN THIS SHEET ARE ASSUMED TO BE PROVIDED BY THE CONTRACTOR.

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SCALE:	JOB NUMBER:
AS SHOWN	21777107A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
1	11/03/2021	ISSUED FOR CONSTRUCTION	NL	MA
0	9/13/2021	ISSUED FOR CONSTRUCTION	MSG	MA

STATE OF CONNECTICUT — 31965 — LICENSED PROFESSIONAL ENGINEER
Digitally signed by Justin Peter Linette
Date: 2021.11.04 12:58:20-04'00'

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E GRANBY 2 CT
468906
56 FLOYDVILLE ROAD
EAST GRANBY, CT 06026
HARTFORD COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1150

SHEET TITLE:
BILL OF MATERIALS

SHEET NUMBER:
SBOM-1

PROJECT NOTES

1. SEE MODIFICATION NOTES
2. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITY COMPANIES OR OTHER PUBLIC/GOVERNING AUTHORITIES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR MUNICIPAL AUTHORITIES.
4. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER, IN WRITING, OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BIDS OR PERFORMANCE OF WORK.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SITE IMPROVEMENTS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGE AS A RESULT OF CONSTRUCTION OF THIS FACILITY AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
6. THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED TO COMPLETE THIS PROJECT. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
7. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING THE BID TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND CONSTRUCTION DRAWINGS.
8. THE CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THESE DRAWINGS MUST BE VERIFIED. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
9. SINCE THE CELL SITE MAY BE ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE REQUIRED TO BE WORN TO ALERT OF ANY POTENTIALLY DANGEROUS EXPOSURE LEVELS.
10. NO NOISE, SMOKE, DUST OR ODOR WILL RESULT FROM THIS FACILITY AS TO CAUSE A NUISANCE.
11. THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION (NO HANDICAP ACCESS IS REQUIRED).

GENERAL NOTES

1. THESE MODIFICATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE TELECOMMUNICATIONS INDUSTRY STANDARD TIA-222-H. MATERIALS AND SERVICES PROVIDED BY THE CONTRACTOR SHALL CONFORM TO THE ABOVE MENTIONED CODES.
2. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT DAMAGE TO EXISTING STRUCTURES. ANY DAMAGE TO EXISTING STRUCTURES AS A RESULT OF THE CONTRACTOR'S WORK OR FROM DAMAGE DUE TO OTHER CAUSES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS BEFORE BEGINNING WORK, ORDERING MATERIAL, AND PREPARING OF SHOP DRAWINGS. ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER. IF THE CONTRACTOR DISCOVERS ANY EXISTING CONDITIONS THAT ARE NOT REPRESENTED ON THESE DRAWINGS, OR ANY CONDITIONS THAT WOULD INTERFERE WITH THE INSTALLATION OF THE MODIFICATIONS, NOTIFY THE ENGINEER IMMEDIATELY.
4. IT IS ASSUMED THAT ANY STRUCTURAL MODIFICATION WORK SPECIFIED ON THESE PLANS WILL BE ACCOMPLISHED BY KNOWLEDGEABLE WORKMEN WITH TOWER CONSTRUCTION EXPERIENCE.
5. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION METHODS, MEANS, TECHNIQUES, SEQUENCES, AND PROCEDURES.
6. ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN AND SHALL MEET ANSI/TIA-322 (LATEST EDITION), OSHA, AND GENERAL INDUSTRY STANDARDS. ALL RIGGING PLANS SHALL ADHERE TO ANSI/TIA-322 (LATEST EDITION) INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION.
7. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PROGRAMS IN ACCORDANCE WITH APPLICABLE SAFETY CODES.
8. WORK SHALL ONLY BE PERFORMED DURING CALM DRY DAYS (WINDS LESS THAN 30-MPH). THE STRUCTURE SHOWN ON THE DRAWINGS IS STRUCTURALLY SOUND ONLY IN THE COMPLETED FORM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STRENGTH AND STABILITY OF THE STRUCTURE DURING ERECTION. CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT, SHORING, BRACING AND ANY OTHER STRUCTURAL SYSTEMS AS REQUIRED TO RESIST ALL FORCES THAT MAY OCCUR DURING HANDLING AND ERECTION UNTIL THE STRUCTURE IS FULLY COMPLETED. TEMPORARY SUPPORTS, BRACING AND OTHER STRUCTURAL SYSTEMS REQUIRED DURING CONSTRUCTION SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER THEIR USE.
9. ALL INSTALLATIONS PERFORMED ON THIS STRUCTURE SHALL BE COMPLETED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE STANDARD FOR INSTALLATION, ALTERATION AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS, ANSI/TIA-322.
10. CONTRACTOR SHALL SECURE SITE BACK TO EXISTING CONDITION UNDER SUPERVISION OF OWNER. ALL FENCE, STONE, GEOFABRIC, GROUNDING, AND SURROUNDING GRADE SHALL BE REPLACED AND REPAIRED AS REQUIRED TO ACHIEVE OWNER APPROVAL. POSITIVE DRAINAGE AWAY FROM TOWER SITE SHALL BE MAINTAINED.
11. CONNECTIONS BETWEEN ITEMS SUPPORTED BY THE STRUCTURE AND THE STRUCTURE NOT SPECIFICALLY DETAILED IN THE CONTRACT DOCUMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR. SUCH CONNECTIONS SHALL BE DESIGNED, COORDINATED AND INSPECTED BY A PROFESSIONAL STRUCTURAL ENGINEER LICENSED IN THE STATE OF THE PROJECT. SUBMIT SIGNED AND SEALED CALCULATIONS DURING SHOP DRAWING REVIEW.
12. DO NOT SCALE DRAWINGS.
13. DO NOT USE THESE DRAWINGS FOR ANY OTHER SITE.
14. ALL MATERIAL UTILIZED FOR THIS PROJECT MUST BE NEW AND FREE OF ANY DEFECTS. ANY MATERIAL SUBSTITUTIONS, INCLUDING BUT NOT LIMITED TO ALTERED SIZE AND/OR STRENGTHS, MUST BE APPROVED BY THE OWNER AND ENGINEER IN WRITING.
15. THE MOUNT UNDER NO CIRCUMSTANCES SHOULD BE USED AS A TIE OFF POINT.

STRUCTURAL STEEL

1. DESIGN, DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING PUBLICATIONS EXCEPT AS SPECIFICALLY INDICATED IN THE CONTRACT DOCUMENTS.
   a. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) MANUAL OF STEEL CONSTRUCTION (15TH EDITION)
   b. SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS
   c. AISC CODE OF STANDARD PRACTICE
2. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING UNLESS OTHERWISE SHOWN:

CHANNELS, ANGLES, PLATES, ETC.	ASTM A36 (GR 36)
STEEL PIPE	ASTM A53 (GR 35)
BOLTS	ASTM A325
NUTS	ASTM A563
LOCK WASHERS	LOCKING STRUCTURAL GRADE

3. ALL SUBSTITUTIONS PROPOSED BY THE CONTRACTOR SHALL BE APPROVED IN WRITING BY THE ENGINEER. CONTRACTOR SHALL PROVIDE DOCUMENTATION TO ENGINEER FOR VERIFYING THE SUBSTITUTE IS SUITABLE FOR USE AND MEETS ORIGINAL DESIGN CRITERIA. DIFFERENCES FROM THE ORIGINAL DESIGN, INCLUDING MAINTENANCE, REPAIR AND REPLACEMENT, SHALL BE NOTED. ESTIMATES OF COSTS/CREDITS ASSOCIATED WITH THE SUBSTITUTION (INCLUDING RE-DESIGN COSTS AND COSTS TO SUB-CONTRACTORS) SHALL BE PROVIDED TO THE ENGINEER. CONTRACTOR SHALL PROVIDE ADDITIONAL DOCUMENTATION AND/OR SPECIFICATIONS TO THE ENGINEER AS REQUESTED.
4. PROVIDE STRUCTURAL STEEL SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
   a. SUBMIT SHOP DRAWINGS TO
      PETER.ALBANO@COLLIERSENGINEERING.COM
   b. PROVIDE MASER CONSULTING CONNECTICUT PROJECT # AND MASER CONSULTING CONNECTICUT PROJECT ENGINEER CONTACT IN THE BODY OF THE EMAIL.
5. DRILL NO HOLES IN ANY NEW OR EXISTING STRUCTURAL STEEL MEMBERS OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.
6. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
7. ALL NEW STEEL SHALL BE HOT DIPPED GALVANIZED FOR FULL WEATHER PROTECTION. IN ADDITION ALL NEW STEEL SHALL BE PAINTED TO MATCH EXISTING STEEL. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
8. CONTRACTOR SHALL PROTECT CUT ENDS OF ALL FIELD-CUT STEEL WITH TWO (2) COATS OF COLD GALVANIZATION (ZINGA OR ZINC COTE).
9. ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING REQUIRE LOCKING DEVICES TO BE INSTALLED IN ACCORDANCE WITH TIA-222-H SECTION 4.9.2 REQUIREMENTS.
10. WHERE CONNECTIONS ARE NOT FULLY DETAILED ON THESE DRAWINGS, FABRICATOR SHALL DESIGN CONNECTIONS TO RESIST LOADS AND FORCES WHERE SHOWN ON DRAWINGS AND AS OUTLINED IN SPECIFICATIONS.
11. FOR MEMBERS BEING REPLACED, PROVIDE NEW BOLTS AND MATCH EXISTING SIZE AND GRADE. MAINTAIN AISC REQUIREMENTS FOR MINIMUM BOLT DISTANCE AND SPACING.
12. ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE END OF THE BOLT IS AT LEAST FLUSH WITH THE FACE OF THE NUT. IT IS NOT PERMITTED FOR THE BOLT END TO BE BELOW THE FACE OF THE NUT AFTER TIGHTENING IS COMPLETED.
13. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
14. ALL EXISTING PAINTED/GALVANIZED SURFACES DAMAGED DURING REHAB INCLUDING AREAS UNDER STIFFENER PLATES SHALL BE WIRE BRUSHED CLEAN, REPAIRED BY COLD GALVANIZING (ZINGA OR ZINC COTE), AND REPAINTED TO MATCH THE EXISTING FINISH (IF APPLICABLE).
15. ALL HOLES IN STEEL MEMBERS SHALL BE SIZED 1/16" LARGER THAN THE BOLT DIAMETER. STANDARD HOLES SHALL BE USED UNLESS NOTED OTHERWISE.

WELDING NOTES

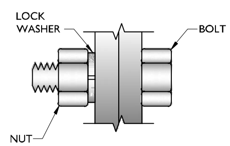
1. ALL WELDING SHALL BE DONE IN ACCORDANCE WITH AWS D1.0 (LATEST EDITION). THIS SHALL INCLUDE A CERTIFIED WELD INSPECTION (CWI) FOR ACCEPTANCE OR REJECTION OF ALL WELDING OPERATIONS, PRE, DURING, AND POST INSTALLATION, USING THE ACCEPTANCE CRITERIA OF AWS D1.1.
2. CONTRACTOR IS RESPONSIBLE FOR COMMISSIONING A THIRD PARTY CERTIFIED WELD INSPECTOR (CWI) THROUGHOUT THE ENTIRETY OF THE PROJECT. A PASSING CWI REPORT SHALL BE PROVIDED TO THE ENGINEER UPON COMPLETION OF THE PROJECT.
3. THE CERTIFIED WELD INSPECTOR SHALL INDICATE, IN A WRITTEN CWI REPORT, THAT ALL WELDING OPERATIONS PRE, DURING, AND POST INSTALLATION WERE CONDUCTED IN ACCORDANCE WITH AWS D1.1 WITH PHOTOGRAPHS AND DOCUMENTATION SUPPORTING THE ACCEPTANCE OR REJECTION OF ALL WELDING. ALL CWI WELD INSPECTION DOCUMENTATION AND PHOTOS SHALL BE SUBMITTED DURING THE PMI.
4. IN CASES WHERE A WELD IS SPECIFIED BETWEEN TWO MEMBERS IN WHICH THERE IS A GAP IN BETWEEN, THE WELD IS TO BE BUILT-UP SUCH THAT THE SIZE OF WELD ON THE MEMBER IS EQUAL TO THAT SHOWN IN THE DRAWINGS.
5. OXY FUEL GAS WELDING OR BRAZING IS STRICTLY PROHIBITED. SPECIFICALLY, NO TORCH CUTTING IS PERMITTED ON SITE. ALL HOLES SHALL BE CUT WITH A GRINDER.
6. CONTRACTOR SHALL EXERCISE CAUTION WHEN WELDING A GALVANIZED SURFACE.
7. CONTRACTOR SHALL HAVE A FIRE PROTECTION PLAN IN PLACE THAT CONFORMS WITH ALL OSHA, ANSI/ASSP A10.48, ANSI Z49.1, AND LOCAL JURISDICTIONAL REQUIREMENTS.

BOLT SCHEDULE (IN.)

BOLT DIAMETER	STANDARD HOLE	SHORT SLOT	MIN. EDGE DISTANCE	SPACING
1/2	9/16	9/16 x 11/16	7/8	1 1/2
5/8	11/16	11/16 x 7/8	1 1/8	1 7/8
3/4	13/16	13/16 x 1	1 1/4	2 1/4
7/8	15/16	15/16 x 1 1/8	1 1/2	2 5/8
1	1 1/16	1 1/16 x 1 5/16	1 3/4	3

WORKABLE GAGES (IN.)

LEG	GAGE
4	2 1/2
3 1/2	2
3	1 3/4
2 1/2	1 3/8
2	1 1/8

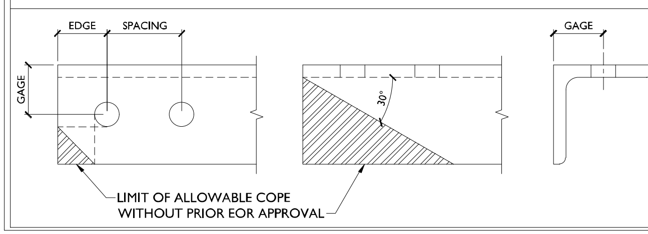


TYP. BOLT ASSEMBLY

NOTES:

1. ALL DIMENSIONS REPRESENTED IN THE ABOVE TABLES ARE AISC MINIMUM REQUIREMENTS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN FIELD AND NOTIFY ENGINEER IF DISTANCES ARE LESS THAN THOSE PROVIDED.
2. THE DIMENSIONS PROVIDED ARE MINIMUM REQUIREMENTS. ACTUAL DIMENSIONS OF PROPOSED MEMBERS WITHIN THESE DRAWINGS MAY VARY FROM THE AISC MINIMUM REQUIREMENTS.
3. SHORT SLOT HOLES SHALL ONLY BE USED WHEN DEPICTED IN THE DRAWINGS
4. MATCH EXISTING GAGES WHEN APPLICABLE, UNLESS MINIMUM EDGE DISTANCES ARE COMPROMISED.

ALLOWABLE COPING



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HARTFORD COUNTY

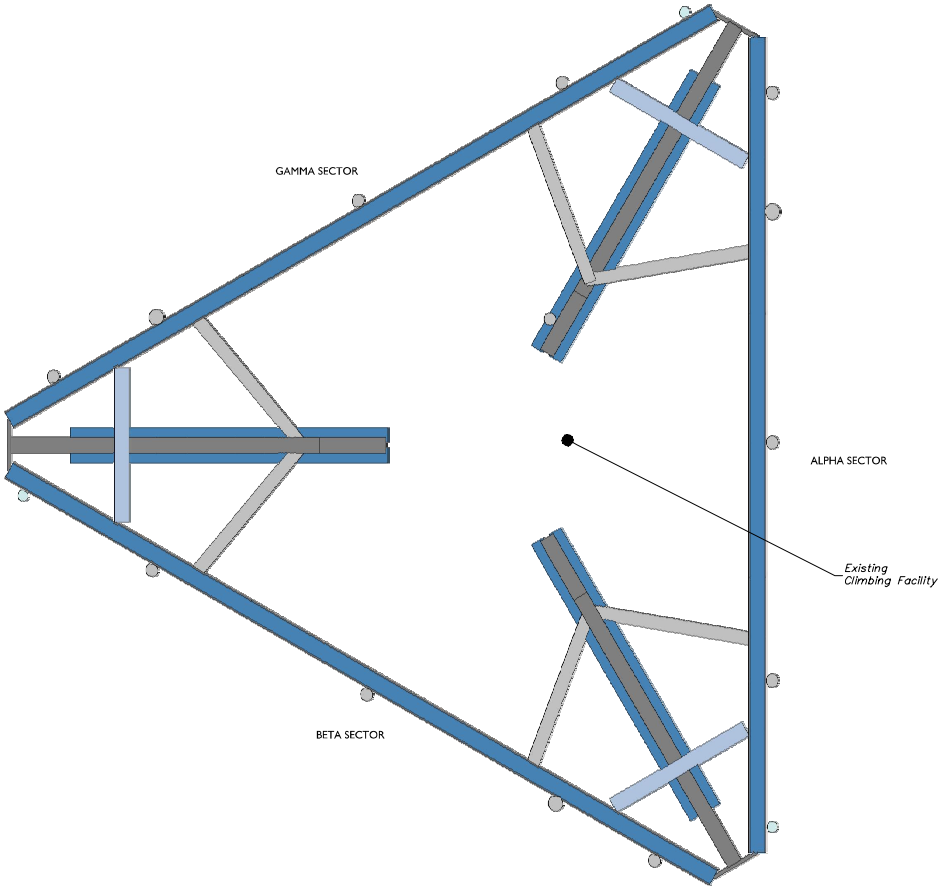
MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054

Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE :
MODIFICATION NOTES

SHEET NUMBER :
SGN-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



1 CLIMBING FACILITY LOCATION

SCALE : N.T.S.

CLIMBING FACILITY PHOTO

STRUCTURAL NOTES:

1. PER THE MOUNT MAPPING COMPLETED BY STRUCTURAL COMPONENTS ON 2/24/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (114'-6") ARE IN GOOD CONDITION. MASER DOES NOT WARRANT THIS INFORMATION.

2. INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB, OR ANY SYSTEM INSTALLED ON THE STRUCTURE. TIMELY NOTICE AND DOCUMENTATION SHALL BE PROVIDED BY CONTRACTORS TO THE EOR (OF STRUCTURAL DESIGN) IF AN OBSTRUCTION WAS REQUIRED TO MEET THE RF SYSTEM DESIGN REQUIREMENTS AND PERFORMANCES.

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SHEET TITLE
CLIMBING FACILITY DETAIL

SHEET NUMBER
SCF-1

LEGEND:

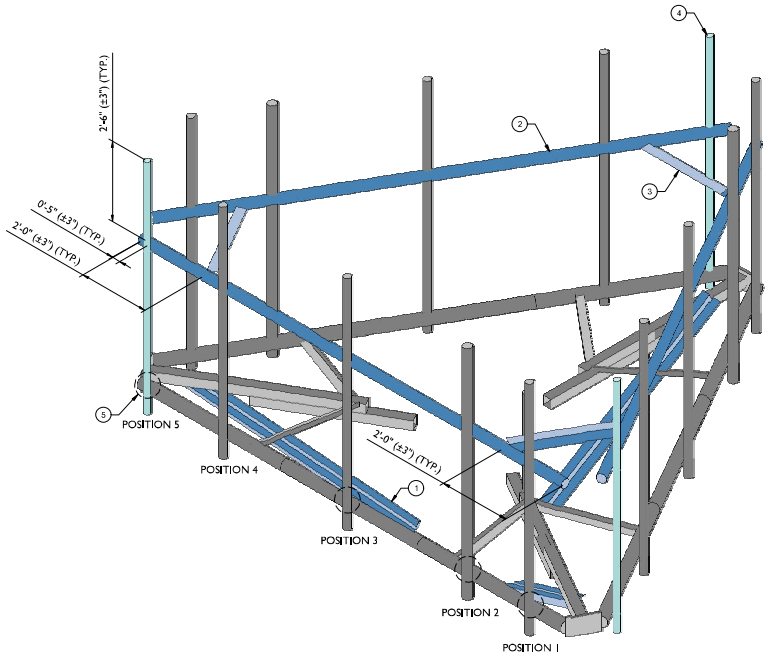
- PROPOSED
- RELOCATED
- EXISTING

MOUNT MODIFICATION SCHEDULE

NO.	ELEVATION	QUANTITY	DESCRIPTION	NOTES
1	114'-6"	1	PROPOSED KICKER KIT (PART #: VZWSMART-PLK5)	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1. CONNECT OTHER END OF KICKER KIT TO MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7).
2		3	168" LONG, P2 1/2 STD SUPPORT RAIL	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1. RADIO AND/OR TME POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE. CONNECT TO SUPPORT TAIL TO ALL EXISING AND RELOCATED MOUNT PIPES USING NEW CROSSOVER PLATES (VZWSMART-MSK1).
3		3	36" LONG, L3X3x1/4 BRACING	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1. CONTRACTOR SHALL CONNECT PROPOSED L3X3X1/4 ANGLES TO CORNER BRACKETS (PART #: VZWSMART-PLK3) USING THE PROVIDED (8) 5/8" DIA. BOLTS, (4) BOLTS PER CONNECTION.
4		3	RELOCATED MOUNT PIPE	RELOCATE MOUNT PIPE IN POSITION 5 (5") FROM END OF MOUNT TO MEET THE AIR6649 CLEARANCE.
5		12	CROSSOVER PLATE (VZWSMART-MSK2)	SWAP EXISTING CONNECTIONS BETWEEN EXISTING FACE HORIZONTAL AND EXISTING & RELOCATED MOUNTS PIPES IN POSITIONS 1, 2 , 3 & 5 WITH CROSSOVER PLATE (PART #: VZWSMART-MSK2).

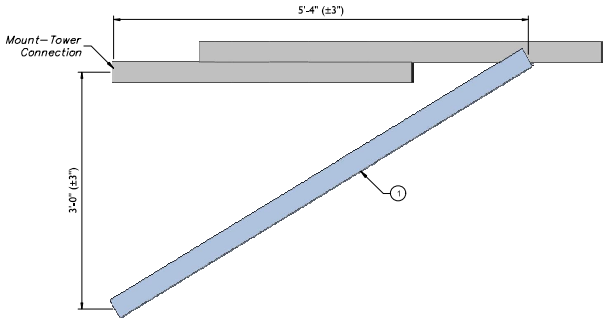
NOTES.

MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.



1 PROPOSED ISOMETRIC VIEW

SCALE : N.T.S.



2 PROPOSED SIDE ELEVATION VIEW (TYP. ALL SECTORS)

SCALE : N.T.S.

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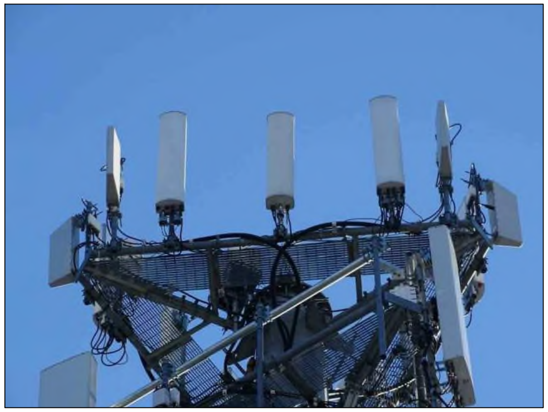

MOUNT PHOTO 1

MOUNT PHOTO 2

MOUNT PHOTO 3

MOUNT PHOTO 4

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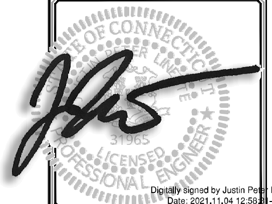
REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
.	.	.	.	.
.	.	.	.	.
1	11/03/2021	ISSUED FOR CONSTRUCTION	NL	PMA
0	9/13/2021	ISSUED FOR CONSTRUCTION	MSG	PMA



Digitally signed by Justin Peter Linette
Date: 2021.11.04 12:58:... -04'00'

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SITE NAME:

E GRANBY 2 CT
468906

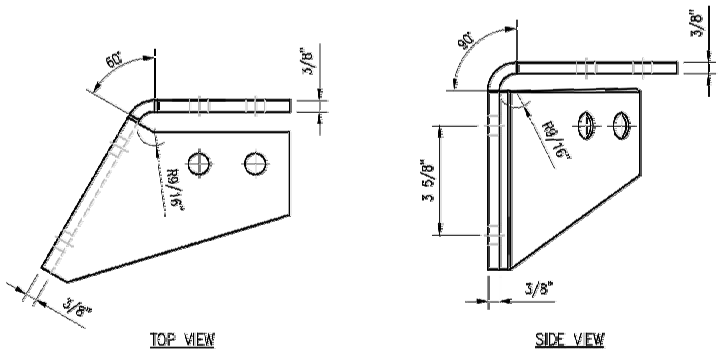
56 FLOYDVILLE ROAD
EAST GRANBY, CT 06026
HARTFORD COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054

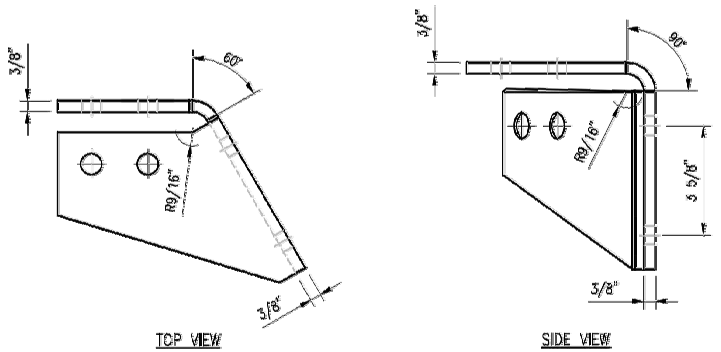
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE : MOUNT PHOTOS

SHEET NUMBER : SS-2



CBP-L



CBP-R

NOTES:
1. HOT-DIPPED GALVANIZED PER ASTM A123.

VZWSMART-P_K3 (SUPPORT RAIL CORNER BRACKET)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	CBP-L	CORNER BENT PLATE BRACKET	PLK3-F1	9
2	1	CBP-R	CORNER BENT PLATE BRACKET	PLK3-F1	9
3	4	MS02-625-300-500	RU-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (CR EQUIV.)	REC-1	5
4	8	---	BOLT 3/8" X 2" A325	---	3
5	16	FW-625	5/8" HDG USS FLAT WASHER	---	1
6	16	LW-625	5/8" HDG LOCK WASHER	---	0
7	16	NUT-625	5/8" HDG HEX NUT	---	2
				GALVANIZED WT	30

VzW
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Vendor

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DRAWN BY: MJR | CHECKED BY: HMA

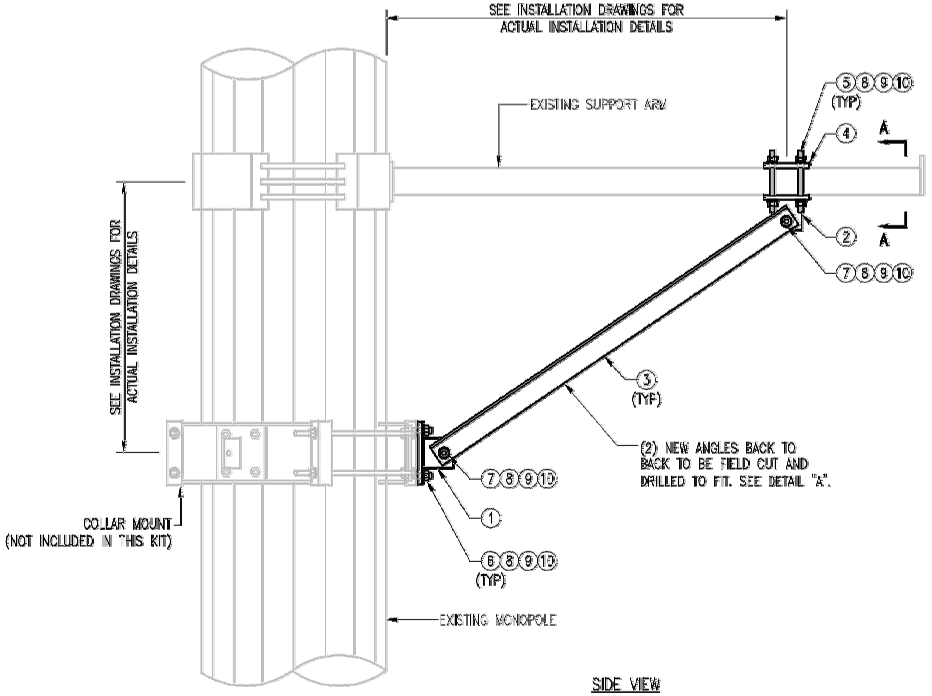
REV.	DESCRIPTION	BY	DATE
1	FIRST ISSUE	MJR	05/06/20

SHEET TITLE:
VZWSMART-PLK3
SUPPORT RAIL CORNER
BRACKET

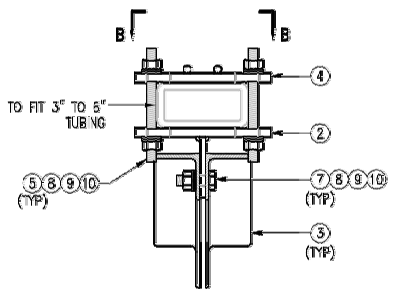
SHEET NUMBER: VZWSMART-PLK3

REV #: 0

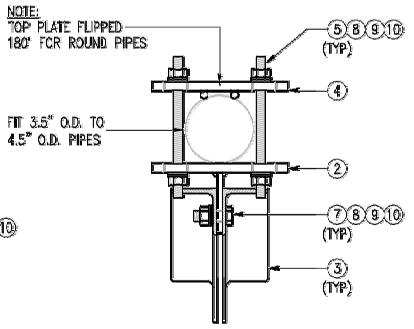
NOTE:
THE LOCATION OF KICKER AND EXISTING ANTENNA MOUNT SHOWN ON THE DRAWING IS FOR REPRESENTATION PURPOSE ONLY. SEE INSTALLATION DRAWINGS FOR ACTUAL INSTALLATION OF DETAILS.



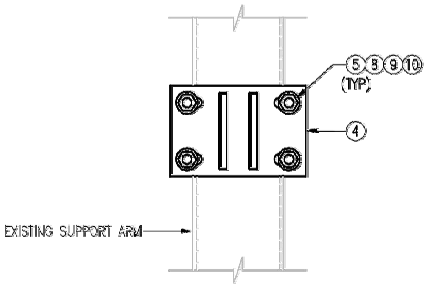
SIDE VIEW
KICKER KIT



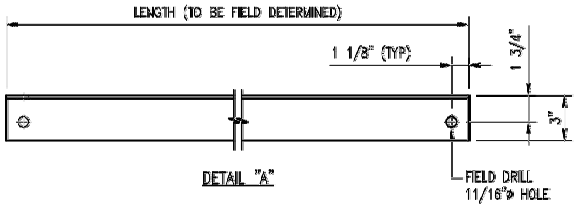
SECTION "A-A"
RECT. HSS MOUNTING



SECTION "A-A"
ROUND PIPE MOUNTING



SECTION "B-B"



DETAIL "A"

VZWSMART-PLK5 (KICKER KIT)					
ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	BRKW-XXX	BRACKET WELDMENT A36	PLK5-F3	43.8
2	3	BRKW-XXXX	BRACKET WELDMENT A36	PLK5-F2	35.7
3	6	L3X3X375-8	L 3" X 3" X 3/16" X 8'-0" A36	PLK5-F4	182.9
4	3	PL-KI	PL 5/8" X 8" X 9" A36	PLK5-F1	28.0
5	12	---	THREADED ROD 5/8" DIA. X 1'-0" F1554-36 HDG	---	--
6	6	---	BOLT 5/8" X 2" A325	---	--
7	12	---	BOLT 5/8" X 2 1/2" A325	---	--
8	42	FW-525	5/8" HDG USS FLAT WASHER	---	3
9	42	LW-525	5/8" HDG LOCK WASHER	---	1
10	42	NUT-525	5/8" HDG HEX NUT	---	5
				GALVANIZED WT	291

NOTES:
1. ALL HOLES ARE 11/16" DIA. U.N.O
2. HOT-DIPPED GALVANIZED PER ASTM A123.
3. FIT UP TO 6" SQ. TUBING OR 4 1/2" O.D. PIPE

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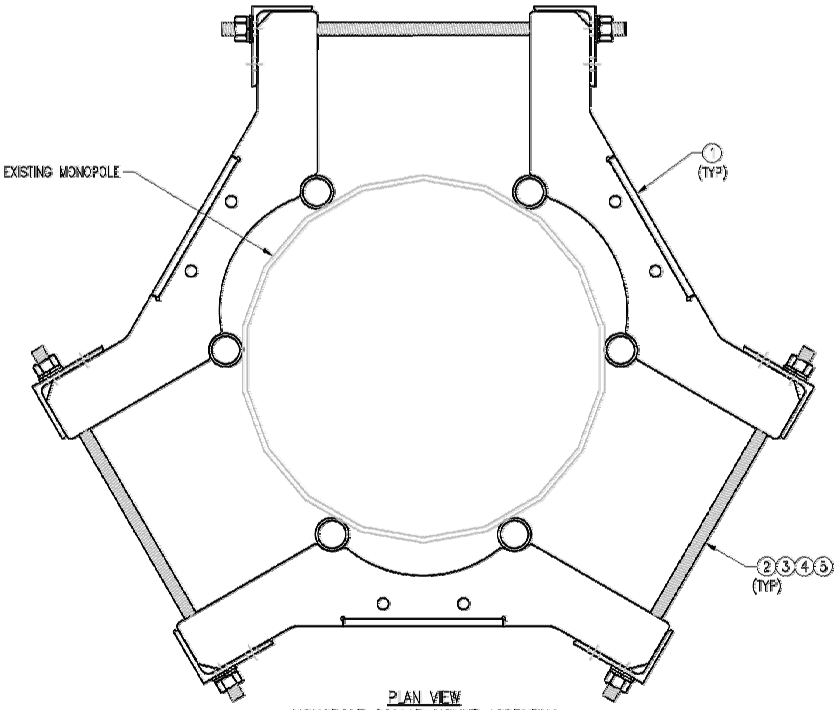
DRAWN BY: MN	CHECKED BY: HMA/KWE
REV.	DESCRIPTION: FIRST ISSUE — BY: MN — DATE: 05/26/20

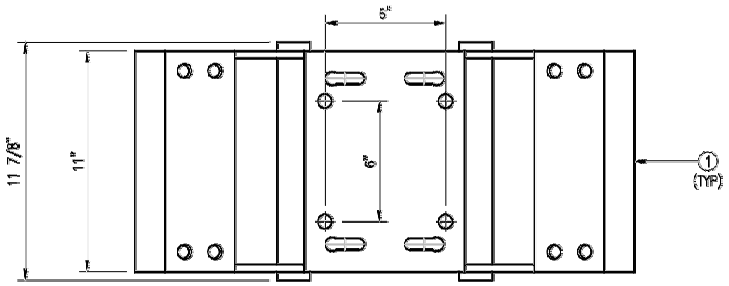
SHEET TITLE:
VZWSMART-PLK5
KICKER KIT

SHEET NUMBER: VZWSMART-PLK5

REV #: 0



PLAN VIEW
MONOPOLE COLLAR MOUNT ASSEMBLY



FRONT VIEW

NOTES:
1. FIT 12" TO 48" DIA. MONOPOLE.
2. HOT-DIPPED GALVANIZED PER ASTM A123.

VZWSMART-PLK7 (MONOPOLE COLLAR MOUNT ASSEMBLY)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	CM-1245	COLLAR MOUNT ASSEMBLY	PLK7-F1	147
2	6	---	THREADED ROD 5/8" X 4'-0" A193-B7	---	
3	12	FW-825	5/8" HDG USS FLAT WASHER	---	1
4	12	LW-825	5/8" HDG LOCK WASHER	---	0
5	12	NUT-825	5/8" HDG HEX NUT	---	1
				GALVANIZED WT	150

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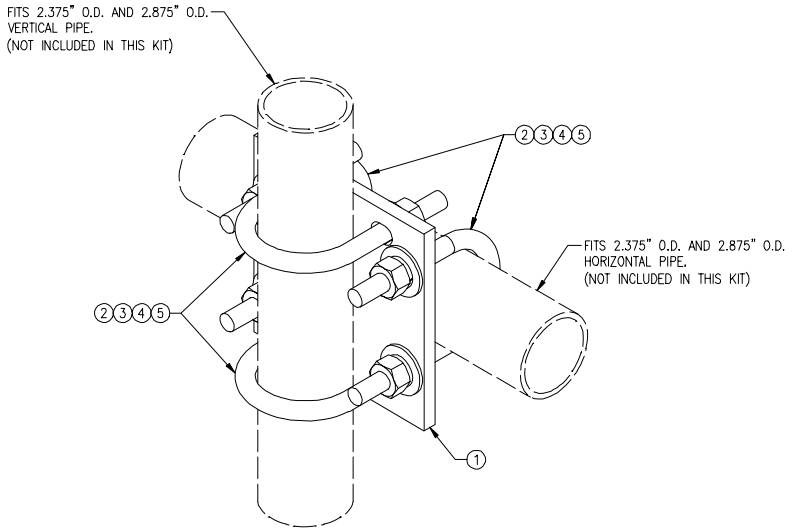
DRAWN BY: ST | CHECKED BY: HMA/RW

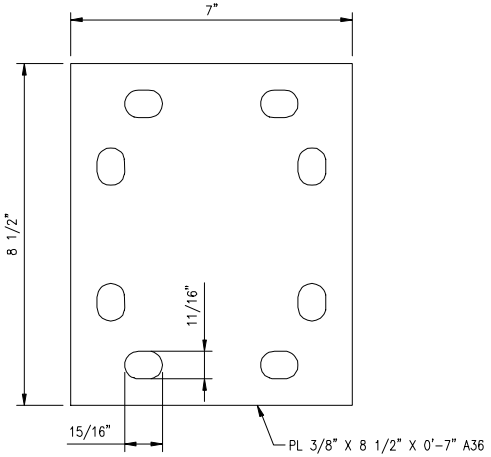
REV.	DESCRIPTION	BY	DATE
1	FIRST ISSUE	ST	05/11/20

SHEET TITLE:
VZWSMART-PLK7
MONOPOLE COLLAR
MOUNT ASSEMBLY

SHEET NUMBER: VZWSMART-PLK7

REV #: 0





PL375-857

VZWSMART-MSK1 (CROSSOVER PLATE)					
ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	PL375-857	PL 3/8" X 8 1/2" X 0'-7" A36	MSK1-F1	6
2	4	MS02-625-300-500	RU-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC-1	5
3	8	FW-625	5/8" HDG USS FLAT WASHER	---	1
4	8	LW-625	5/8" HDG LOCK WASHER	---	0
5	8	NUT-625	5/8" HDG HEX NUT	---	1
				GALVANIZED WT	14

NOTES:
1. HOT-DIPPED GALVANIZED PER ASTM A123.

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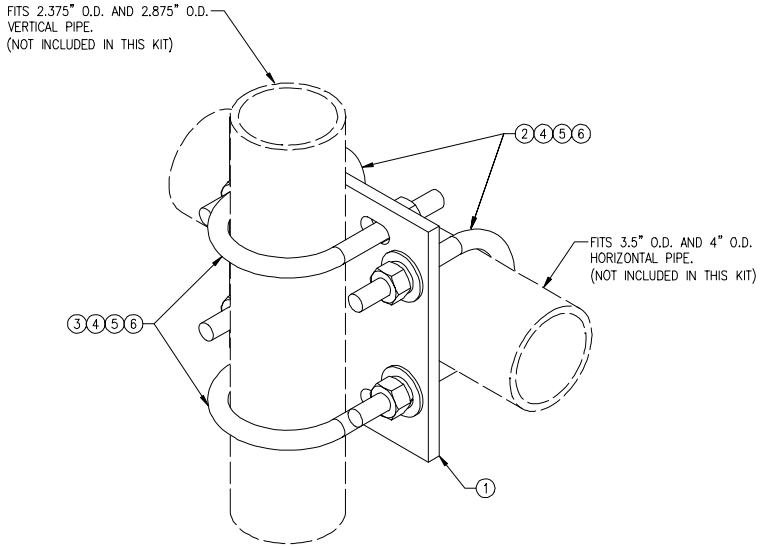
DRAWN BY: H.R	CHECKED BY: HMA

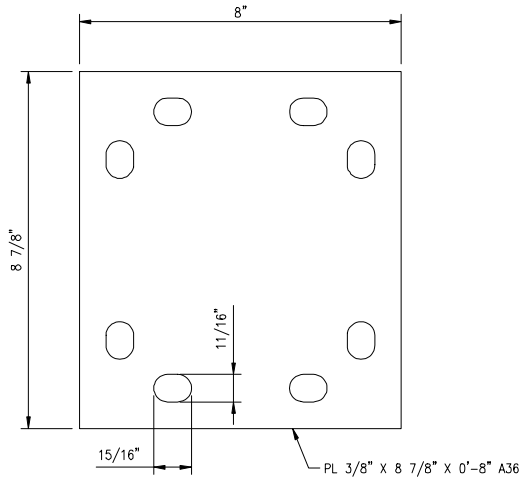
REV.	DESCRIPTION	BY	DATE
1	FIRST ISSUE	H.R	05/08/20

SHEET TITLE:

VZWSMART-MSK1
CROSSOVER PLATE

SHEET NUMBER:	REV #:
VZWSMART-MSK1	0





PL375-88758

NOTES:
1. HOT-DIPPED GALVANIZED PER ASTM A123.

VZWSMART-MSK2 (CROSSOVER PLATE)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	PL375-88758	PL 3/8" X 8 3/4" X 0'-8" A36	MSK2-F1	8
2	2	MS02-625-4125-600	RU-BOLT 5/8" X 4 1/8" I.W. X 6" I.L. A36 (OR EQUIV.)	RBC-1	3
3	2	MS02-625-300-500	RU-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC-1	3
4	8	FW-625	5/8" HDG USS FLAT WASHER	---	1
5	8	LW-625	5/8" HDG LOCK WASHER	---	0
6	8	NUT-625	5/8" HDG HEX NUT	---	1
				GALVANIZED WT	15

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DRAWN BY: H.R	CHECKED BY: HMA

REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	H.R	05/08/20

SHEET TITLE:

VZWSMART-MSK2
CROSSOVER PLATE

SHEET NUMBER:	REV #:
VZWSMART-MSK2	0

SAMSUNG

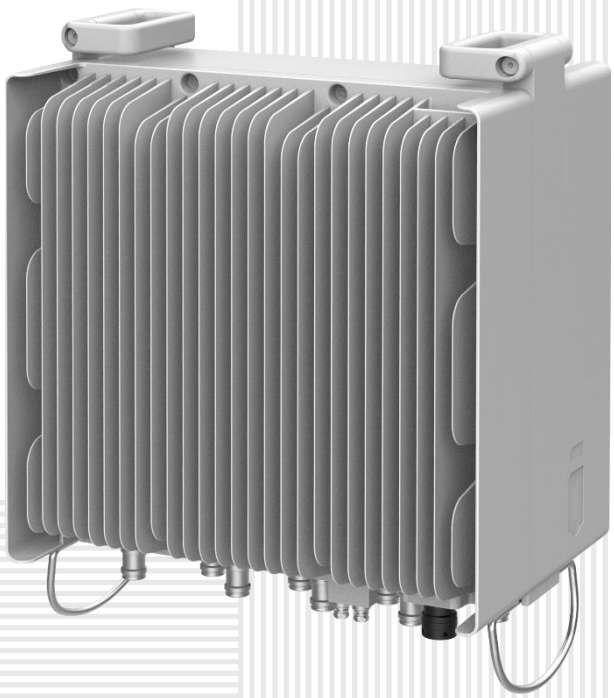
AWS/PCS MACRO RADIO

DUAL-BAND AND HIGH POWER FOR MACRO COVERAGE

Samsung's future proof dual-band radio is designed to help effectively increase the coverage areas in wireless networks. This AWS/PCS 4T4R dual-band radio has 4Tx/4Rx to 2Tx/2Rx RF chains options and a total output power of 320W, making it ideal for macro sites.

57196

Model Code	RF4439d-25A



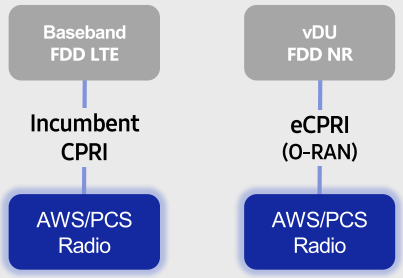
Homepage
samsungnetworks.com

Youtube
www.youtube.com/samsung5g

Points of Differentiation

Continuous Migration

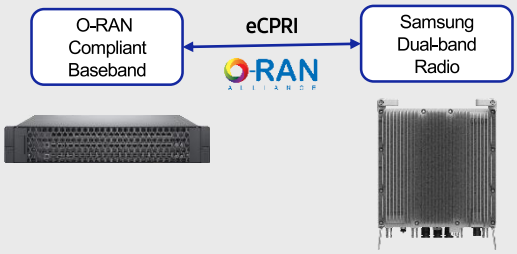
Samsung's AWS/PCS macro radio can support each incumbent CPRI interface as well as advanced eCPRI interfaces. This feature provides installable options for both legacy LTE networks and added NR networks.



O-RAN Compliant

A standardized O-RAN radio can help in implementing cost-effective networks, which are capable of sending more data without compromising additional investments.

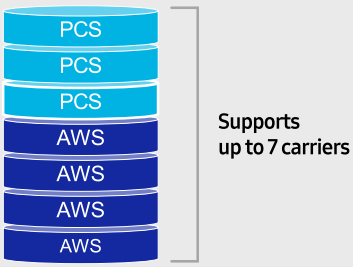
Samsung's state-of-the-art O-RAN technology will help accelerate the effort toward constructing a solid O-RAN ecosystem.



Optimum Spectrum Utilization

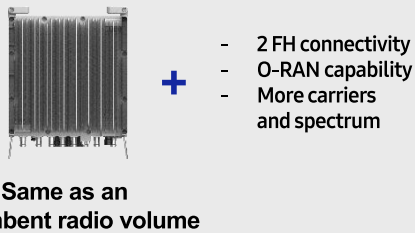
The number of required carriers varies according to site (region). Supporting many carriers is essential for using all frequencies that the operator has available.

The new AWS/PCS dual-band radio can support up to 3 carriers in the PCS (1.9GHz) band and 4 carriers in the AWS (2.1GHz) band, respectively.



Brand New Features in a Compact Size

Samsung's AWS/PCS macro radio offers several features, such as dual connectivity for baseband for both CDU and vDU, O-RAN capability, more carriers and an enlarged PCS spectrum, combined into an incumbent radio volume of 36.8L.



Technical Specifications

Item	Specification
Tech	LTE / NR
Brand	B25(PCS), B66(AWS)
Frequency Band	DL: 1930 – 1995MHz, UL: 1850 – 1915MHz DL: 2110 – 2200MHz, UL: 1710 – 1780MHz
RF Power	(B25) 4 × 40W or 2 × 60W (B66) 4 × 60W or 2 × 80W
IBW/OBW	(B25) 65MHz / 30MHz (B66) DL 90MHz, UL 70MHz / 60MHz
Installation	Pole, Wall
Size/ Weight	14.96 x 14.96 x 10.04inch (36.8L) / 74.7lb

SAMSUNG

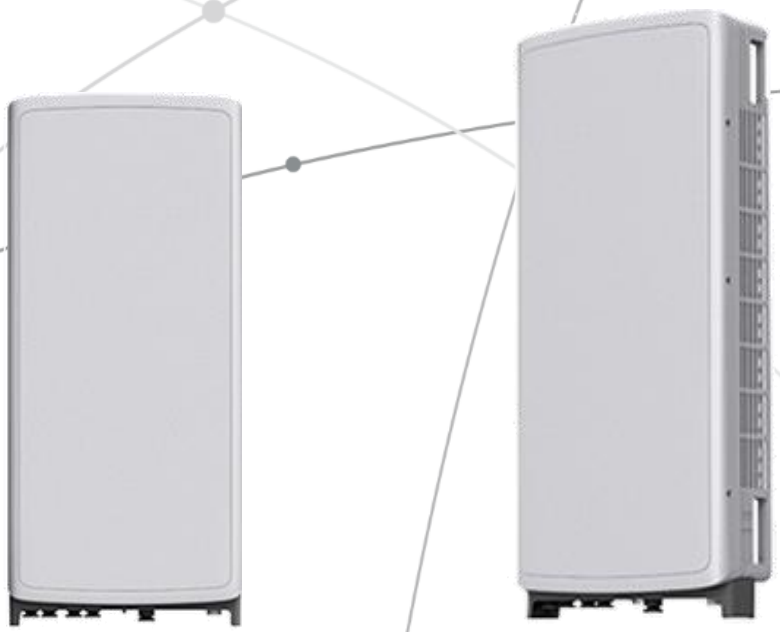
SAMSUNG

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

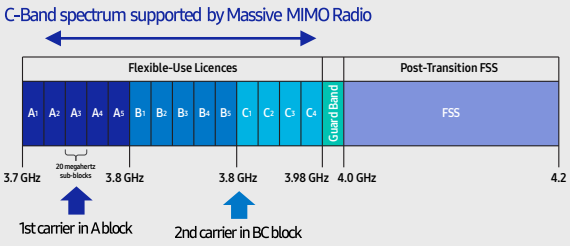


Points of Differentiation

Wide Bandwidth

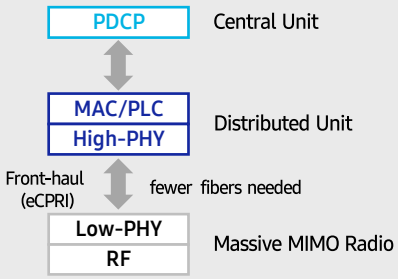
With capability to support up to 2 CC carrier configuration, Samsung C-Band massive MIMO Radio supports 200 MHz bandwidth in the C-Band spectrum.

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.

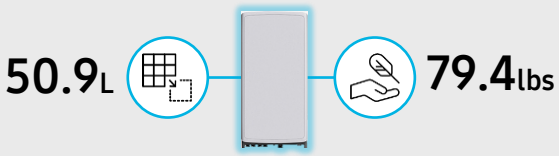
This helps operators reduce their CAPEX as they now need less products to cover the same area than before.

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

700/850MHZ MACRO RADIO

DUAL-BAND AND HIGH POWER FOR MACRO COVERAGE

Samsung's future proof dual-band radio is designed to help effectively increase the coverage areas in wireless networks. This 700/850MHz 4T4R dual-band radio has 4Tx/4Rx to 2Tx/2Rx RF chains options and a total output power of 320W, making it ideal for macro sites.

Model Code	RF4440d-13A

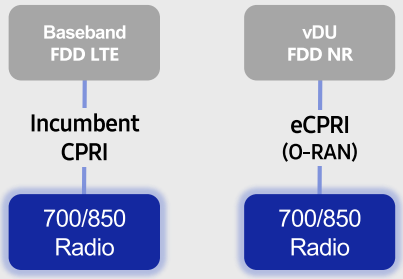
Homepage
samsungnetworks.com

Youtube
www.youtube.com/samsung5g

Points of Differentiation

Continuous Migration

Samsung's 700/850MHz macro radio can support each incumbent CPRI interface as well as an advanced eCPRI interface. This feature provides installable options for both legacy LTE networks and added NR networks.



O-RAN Compliant

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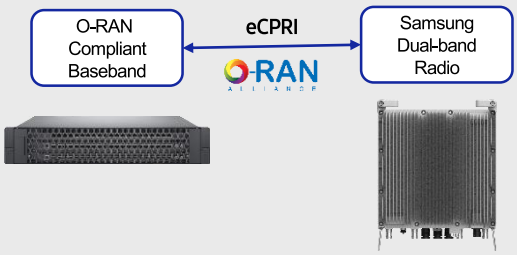
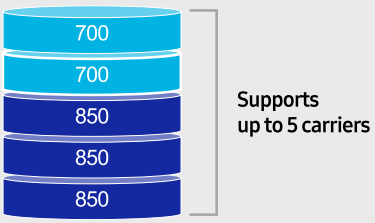


Optimum Spectrum Utilization

The number of required carriers varies according to site (region). The ability to support many carriers is essential for using all frequencies that the operator has available.

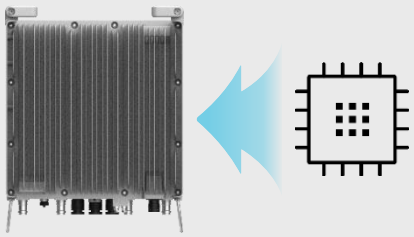
The new 700/850MHz dual-band radio can support up to 2 carriers in the B13 (700MHz) band and 3 carriers in the B5 (850MHz) band, respectively.



Secured Integrity

Access to sensitive data is allowed only to authorized software.

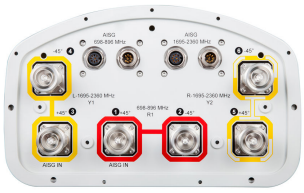
The Samsung radio's CPU can protect root of trust, which is credential information to verify SW integrity, and secure storage provides access control to sensitive data by using dedicated hardware (TPM).



Technical Specifications

Item	Specification
Tech	LTE / NR
Brand	B13(700MHz), B5(850MHz)
Frequency Band	DL: 746 – 756MHz, UL: 777 – 787MHz DL: 869 – 894MHz, UL: 824 – 849MHz
RF Power	(B13) 4 × 40W or 2 × 60W (B5) 4 × 40W or 2 × 60W
IBW/OBW	(B13) 10MHz / 10MHz (B5) 25MHz / 25MHz
Installation	Pole, Wall
Size/ Weight	14.96 x 14.96 x 9.05inch (33.2L) / 70.33 lb

NHH-65B-R2B



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

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

General Specifications

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

Remote Electrical Tilt (RET) Information, General

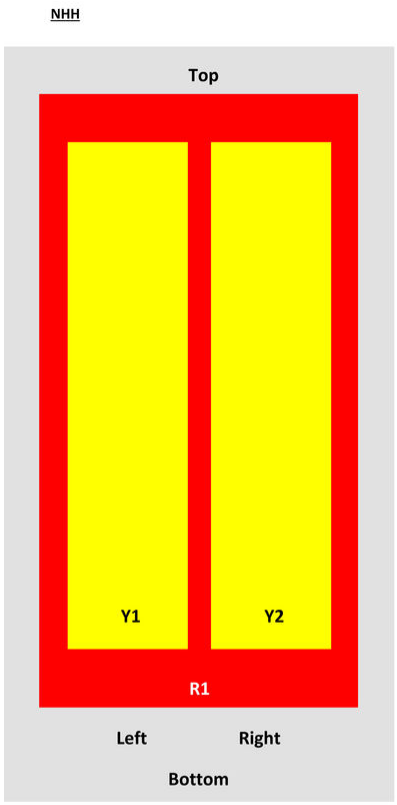
RET Interface	8-pin DIN Female | 8-pin DIN Male
RET Interface, quantity	2 female | 2 male

Dimensions

Width	301 mm | 11.85 in
Length	1828 mm | 71.969 in

Depth	180 mm | 7.087 in

Array Layout



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

View from the front of the antenna

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

Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1695 – 2360 MHz | 698 – 896 MHz
Polarization	±45°
Total Input Power, maximum	900 W @ 50 °C

Remote Electrical Tilt (RET) Information, Electrical

Protocol	3GPP/AISG 2.0 (Single RET)
Power Consumption, idle state, maximum	2 W

NHH-65B-R2B

Power Consumption, normal conditions, maximum	13 W
Input Voltage	10–30 Vdc
Internal Bias Tee	Port 1 | Port 3
Internal RET	High band (1) | Low band (1)

Electrical Specifications

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

Electrical Specifications, BASTA

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

NHH-65B-R2B

CPR at Sector, dB	10	7	16	13	11	4

Mechanical Specifications

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

Packaging and Weights

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

Regulatory Compliance/Certifications

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

Included Products

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

* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance

ATTACHMENT 3

	General	Power	Density					
Site Name: Willimantic E								
Tower Height: Verizon @ 178ft								
CARRIER	**# OF CHAN.**	**WATTS ERP**	**HEIGHT**	**FREQ.**	**CALC. POWER DENS**	**MAX. PERMISS.EXP.**	**FRACTION MPE**	**Total**
*T-Mobile	4	1005	107	1900	0.141718755	1	1.42%	
*T-Mobile	2	1750	107	2100	0.123386976	1	1.23%	
*T-Mobile	1	377	107	1900	0.01329054	1	0.13%	
*T-Mobile	2	789	107	600	0.055629899	0.4	1.39%	
*T-Mobile	2	433	107	700	0.030529463	0.466666667	0.65%	
*Pocket (now MetroPCS)	3	631	97	2130	0.082207578	1	0.82%	
*AT&T	1	565	87	850	0.030968661	0.566666667	0.55%	
*AT&T	1	525	87	1900	0.02877619	1	0.29%	
*AT&T	1	1476	87	700	0.080902202	0.466666667	1.73%	
*AT&T	1	1000	87	850	0.0548	0.566666667	0.97%	
*AT&T	1	1000	87	850	0.0548	0.566666667	0.97%	
*AT&T	2	3664	87	1900	0.4017	1	4.02%	
*AT&T	1	3837	87	2100	0.2103	1	2.10%	
VZW 700	**4**	**642**	**118**	**751**	**0.0066**	**0.5007**	**1.32%**	
VZW CDMA	**2**	**399**	**118**	**869**	**0.0021**	**0.5793**	**0.36%**	
VZW Cellular	**4**	**691**	**118**	**869**	**0.0071**	**0.5793**	**1.23%**	
VZW PCS	**4**	**1466**	**118**	**1980**	**0.0151**	**1.0000**	**1.51%**	
VZW AWS	**4**	**1626**	**118**	**2125**	**0.0168**	**1.0000**	**1.68%**	
VZW CBAND	**4**	**6531**	**118**	**3730**	**0.0675**	**1.0000**	**6.75%**	
								29.12%
* Source: Siting Council								

ATTACHMENT 4

SBA Communications Corporation
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Boca Raton, FL 33487-1307

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sbasite.com

Structural Analysis Report

Client: Verizon

Client Site ID / Name: 468906 / East Granby 2, CT
Application #: 173687, v2

SBA Site ID / Name: CT03801-S / East Granby

120 ft Monopole

56 Floydville Road
East Granby, Connecticut 06026
Lat: 41.928649, Long: -72.776099

Project number: CT03801-VZW-110421

Analysis Results

Tower	61.0%	Pass
Foundation	46.0%	Pass

Change in tower stress due to mount modification / replacement	3.2%

Prepared by:

Serge Berthomieux
Structural Engineer I
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Reviewed by:

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November 4, 2021

11/05/21

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November 5, 2021

Table of Contents

Introduction

The purpose of this report is to summarize the analysis results on the 120 ft Monopole to support the proposed antennas and transmissions lines in addition to those currently installed.

Table 1 List of Documents Used

Item	Document
Tower design/drawings	PiRod Engineering, File A-118, 413-1, dated June 14, 2001.
Foundation drawings	PiRod Engineering, File A-118, 413-1, dated June 14, 2001.
Geotechnical report	Jaworski Geotech, Inc., Project #00729G, dated May 11, 2001.
Modification drawings	N/A
Mount Analysis	Maser Consulting Connecticut, Project # 21777107A (Rev.1), dated November 3, 2021
Mount Analysis Modification	Maser Consulting Connecticut, Job # 21777107A (Rev.1), dated November 4, 2021
Latest SA	TES, Project Number: 114608, dated September 01, 2021

Analysis Criteria

Table 2 Code Related Data

Jurisdiction (State/County/City)	Connecticut/Hartford/East Granby
Governing Codes	ANSI/TIA/EIA 222-G, 2015 IBC / 2018 CSBC
Basic Wind Speed (3-Sec gust)	93.0 mph (Ultimate Wind Speed: 120 mph)
Wind Speed with Ice (3-Sec gust)	50 mph
Service Wind Speed (3-Sec gust)	60 mph
Ice Thickness	1.00”
Structural Class*	II
Exposure Category	C
Topographic Category	1
Crest Height	0 ft
Ground Elevation	173.29 ft.
Seismic Parameter S_s**	0.177
Seismic Parameter S_1	0.065

*This structural analysis is based upon the tower being classified as a structural 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.

**Earthquake effects were ignored as per section 2.7.3 of the TIA-222-G code provisions for Ss < 1.0.

Appurtenance Loading

Existing Loading:

Table 3 Existing Appurtenances

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
1	117.0	3	Andrew LNX-6514DS-VTM - Panel	Low Profile Platform	(2) 1 5/8" Fiber (1) 1/2" (12) 1 5/8"	Verizon
2		6	Antel LPA-80080/4CF - Panel			
3		6	RFS FD9R6004/2C-3L Diplexer			
4		3	ALU RRH 2x60-AWS			
5		3	ALU RRH 2x60W-PCS			
6		2	RFS DB-T1-6Z-8AB-0Z			
9		6	Andrew HBXX-6517DS-VTM - Panel			
14		1	Lucent KS24019-L112A GPS			
15	107.0	3	Ericsson KRY 112 144/1 RRU	Low Profile Platform w/ (1) Metrosite Support Rail w/ End connection: MSHRCEP- 35 (1) Metrosite Light collar mount: MS-1436 (1) Metrosite Kicker Support: MS-K122-5	(12) 1 5/8" (1) 1 5/8" Fiber	T-Mobile
16		6	Ericsson KRY 112 489/2 RRU			
17		3	Ericsson Radio 4449 B71+B12 RRU			
18		3	RFS APXVAARR24_43-U-NA20 Panel			
19	97.0	3	Fujitsu TA08025-B605 RRU	(1) Commscope MC-PK8-DSH (Platform w/ Handrails)	(1) 1.6" Hybrid	Dish Wireless
20		3	Fujitsu TA08025-B604 RRU			
21		1	Raycap RDIDC-9181-PF-48			
22		3	JMA Wireless MX08FRO665-21 Panel			
23	87.0	3	Powerwave 7770 - Panel	Low Profile Platform (1) SitePro1 PRK-1245L (reinforcement Kit) (1) SitePro1 HRK-12 (Handrail Kit)	(12) 1 5/8" (2) 1/2" Fiber (1) 2" Conduit (1) 3" Conduit (4) 3/4" DC	AT&T*
24		3	CCI HPA-65R-BU8AA - Panel			
25		3	Kathrein 800 10966 – Panel			
26		6	Powerwave TT19-08BP111-001 TMA			
27		6	Powerwave 21903 Diplexer			
28		3	Ericsson RRUS 8843 B2 B66A RRU			
29		3	Ericsson RRUS 4449 B5 RRU			
30		1	Raycap DC6-48-60-18-8F			
31		1	Raycap DC6-48-60-18-8C			

**(1) 3" Conduit housing (2) 3/4" DC & (1) 1/2" Fiber; (1) 2" Conduit housing (2) 3/4" DC & (1) 1/2" Fiber*

Proposed Loading:

Information pertaining to proposed antennas and transmission lines were based upon the Application #: 173687, v2 from Verizon and is listed in Table 4.

Table 4 Proposed Appurtenances

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
1	118.0	6	Commscope NHH-65B-R2B- Panel	Low Profile Platform, (3) Support Rail SP1: VZW SMART-PLK3, (1) KICKER KIT SP1: VZW SMART-PLK5, (1) MP COLLAR SP1: VZW SMART-PLK7, (3) Commscope BSAMNT-SBS-1-2	(2) 1 5/8" Hybrid (1) 1/2" (12) 1 5/8"	Verizon
2		3	Samsung MT6407-77A - Panel			
3		3	Samsung RF4439d-25A RRU			
4		3	Samsung RF4440d-13A RRU			
5		1	Raycap 12 OVP			
13	117.0	3	Andrew HBXX-6517DS-A2M Panel			
14		1	Lucent KS24019-L112A GPS			

Analysis Results

Tower

The results of the structural analysis are shown below in table 5. Additional information for the tower analysis is provided within the Appendix.

Table 5 Tower Analysis Summary

	Pole shafts	Anchor Bolts	Base Plate
Max. Usage:	50.1%	44.9%	61.0%
Pass/Fail	Pass	Pass	Pass

Foundation

The results of the foundation analysis are shown below in table 6. Additional information for the foundation analysis is provided within the Appendix.

Table 6 Foundation Analysis Summary

Structural Component	Max Usage (%)	Analysis Result
Foundation	46.0%	Pass

Conclusions

Based on the analysis results, the existing tower and foundation were found to be ***sufficient*** to safely support the equipment listed in this analysis. No modification to the tower and foundation is needed at this time.

Installation Requirements

This analysis was performed under the assumption that the carrier will place the proposed equipment and feed lines at the installation height listed in Table 4 and in accordance with the coax layout shown. TMAs and RRUs are to be installed on existing mounts behind tenant's antennas unless otherwise noted. No equipment is to be installed directly in the climbing path. All equipment is to be installed per mount manufacturer specifications. In case site conditions do not allow for the required installation parameters to be met the carrier must notify SBA Communications Corporation engineers for approval of an alternative placement.

Assumptions and Limitations

Assumptions

This analysis was completed based on the following assumptions:

- Tower and foundation were built in accordance to manufacturer specifications.
- Tower and foundation has been properly maintained in accordance with the manufacturer's specifications
- All existing structural members were assumed to be in good condition with no physical damage or deterioration associated with corrosion
- Welds and bolts are assumed able to carry their intended original design loads.
- The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Table 3 and 4.
- This analysis may be affected if any assumptions are not valid or have been made in error. SBA should be notified to determine the effect on the structural integrity of the tower.

Limitations

The computer generated analysis performed by the tower software is limited to theoretical capacities of the towers structural members and does not account for any missing or damaged members or connections. The tower and foundation are assumed to have been properly designed, fabricated, installed and maintained, barring any conflicting findings from the most recent inspection.

SBA Communications Corporation has used its due diligence to verify the information provided to perform this analysis. It is unreasonable to perform a more detailed inspection of a tower and its components. This report is not a condition assessment of the tower or foundation.

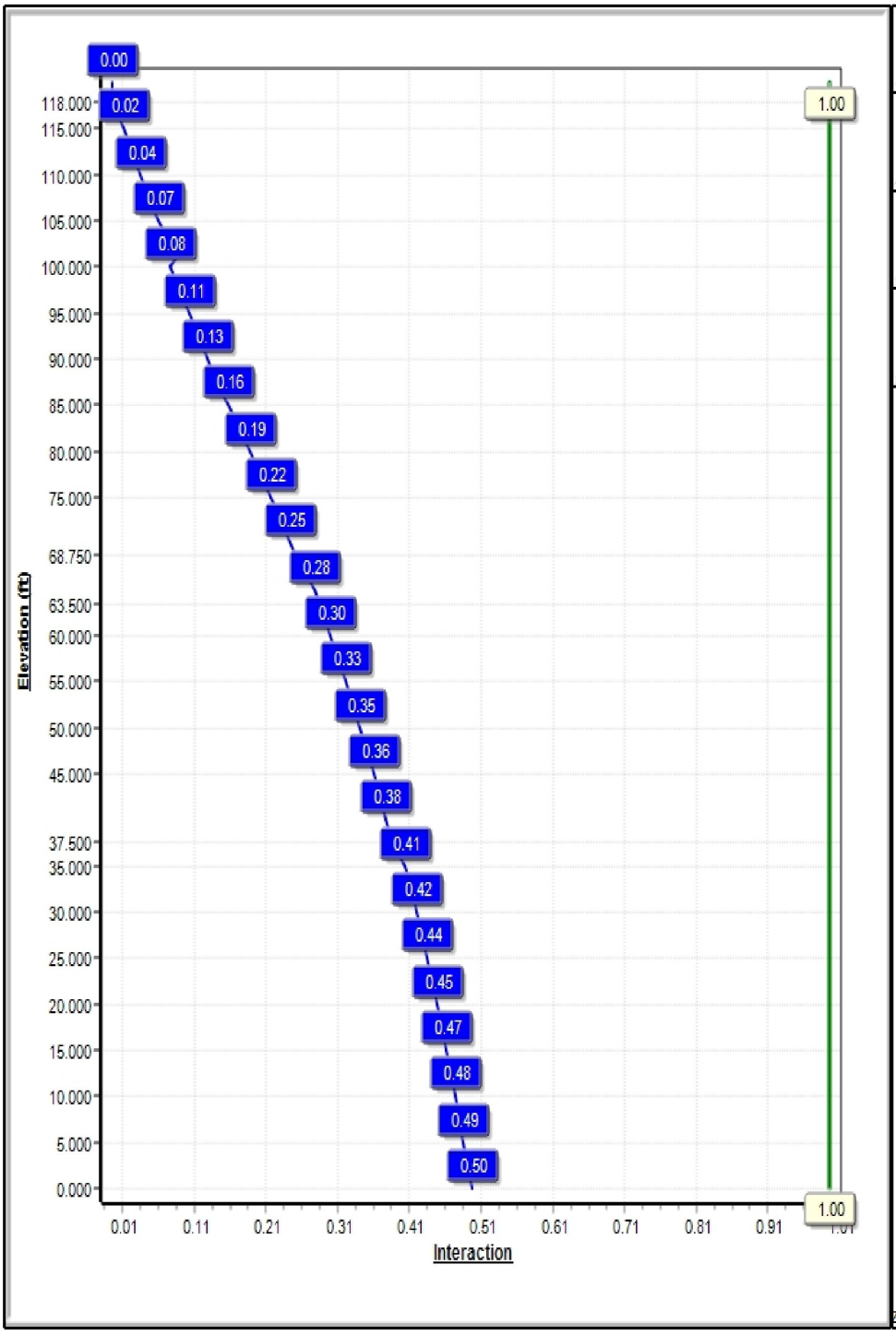
Appendix

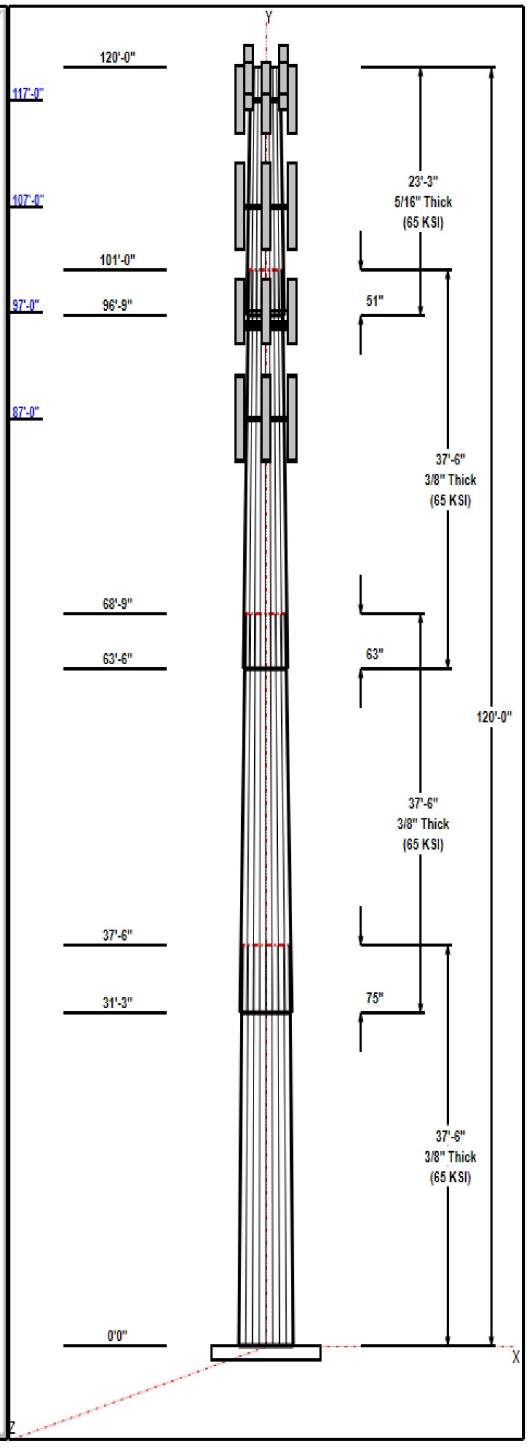
Usage Diagram - Max Ratio 50.11% at 0.0ft

Structure:	CT03801-S	**Code:**	EIA/TIA-222-G	11/4/2021
Site Name:	East Granby	**Exposure:**	C	
Height:	120.00 (ft)	**Gh:**	1.1	
Base Elev:	0.000 (ft)			Page: 1

Dead Load Factor:	1.20	**Iterations:**	20
Wind Load Factor:	1.60		

Load Case : 1.2D + 1.6W 93 mph Wind





Structure: CT03801-S

Type: Tapered
Site Name: East Granby
Height: 120.00 (ft)
Base Elev: 0.00 (ft)

Base Shape: 18 Sided
Taper: 0.25000

11/4/2021

Shaft Properties

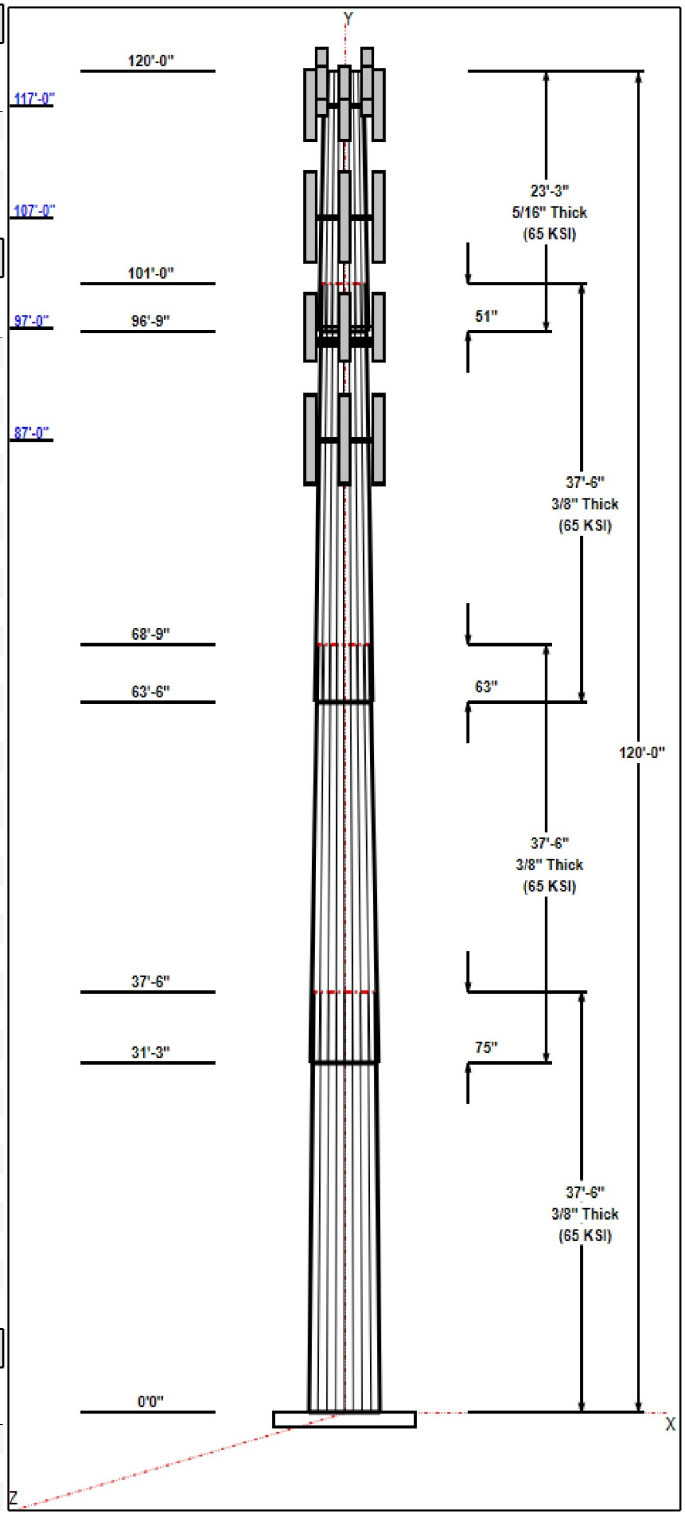
Seq	Length (ft)	Top (in)	Bottom (in)	Thick (in)	Joint Type	Taper	Grade (ksi)
1	37.50	46.75	56.13	0.375		0.25000	65
2	37.50	39.69	49.06	0.375	Slip	0.25000	65
3	37.50	32.38	41.75	0.375	Slip	0.25000	65
4	23.25	28.25	34.06	0.313	Slip	0.25000	65

Discrete Appurtenances

Attach Elev (ft)	Force Elev (ft)	Qty	Description	Carrier
118.00	119.00	6	Commscope	Verizon
118.00	119.00	3	Samsung MT6407-77A	Verizon
118.00	119.00	3	Samsung RF4439d-25A	Verizon
118.00	119.00	3	Samsung RF4440d-13A	Verizon
118.00	119.00	1	Raycap 12 OVP	Verizon
117.00	117.00	1	VZW MOD	Verizon
117.00	117.00	3	Commscope	Verizon
117.00	117.00	3	Andrew	Verizon
117.00	117.00	1	Lucent KS24019-L112A	Verizon
117.00	117.00	1	Low Profile	Verizon
107.00	107.00	1	Low Profile	T-Mobile
107.00	107.00	3	APXVAARR24_43-U-NA20	T-Mobile
107.00	107.00	1	HRK12 (Handrail Kit)	T-Mobile
107.00	107.00	3	KRY 112 144/1	T-Mobile
107.00	107.00	6	KRY 112 489/2	T-Mobile
107.00	107.00	3	4449	T-Mobile
107.00	107.00	1	MS-KI22-5 (Kickers w/o	T-Mobile
97.00	97.00	1	MC-PK8-DSH	Dish Wireless
97.00	97.00	3	TA08025-B605	Dish Wireless
97.00	97.00	3	TA08025-B604	Dish Wireless
97.00	97.00	1	RDIDC-9181-PF-48	Dish Wireless
97.00	97.00	3	MX08FRO665-21	Dish Wireless
87.00	87.00	3	7770.00	AT&T
87.00	87.00	3	HPA-65R-BUU-H8	AT&T
87.00	87.00	3	800 10966	AT&T
87.00	87.00	1	Low Profile	AT&T
87.00	87.00	1	PRK-1245 (kicker kit)	AT&T
87.00	87.00	1	HRK12 (Handrail Kit)	AT&T
87.00	87.00	6	TT19-08BP111-001	AT&T
87.00	87.00	6	LGP21903	AT&T
87.00	87.00	3	B2 B66A 8843	AT&T
87.00	87.00	3	4449 B5/B12	AT&T
87.00	87.00	1	DC6-48-60-18-8F(23.5"	AT&T
87.00	87.00	1	DC6-48-60-18-8C	AT&T

Linear Appurtenances

Elev From (ft)	Elev To (ft)	Placement	Description	Carrier
0.00	117.00	Inside	1 5/8" Coax	Verizon
0.00	117.00	Inside	1 5/8" Fiber	Verizon
0.00	117.00	Inside	1/2" Coax	Verizon
0.00	107.00	Inside	1 5/8" Coax	T-Mobile
0.00	97.00	Outside	1.6" Hybrid	Dish Wireless
0.00	87.00	Inside	1 5/8" Coax	AT&T
0.00	87.00	Inside	1/2" Fiber	AT&T
0.00	87.00	Inside	2" Conduit	AT&T



0.00	87.00	Inside	3" Conduit	AT&T
0.00	87.00	Inside	3/4" DC	AT&T

Anchor Bolts

Qty	Specifications	Grade (ksi)	Arrangement
39	1.25" A687	105.0	Radial

Base Plate

Thickness (in)	Specifications (in)	Grade (ksi)	Geometry
1.5000	65.0	50.0	Round

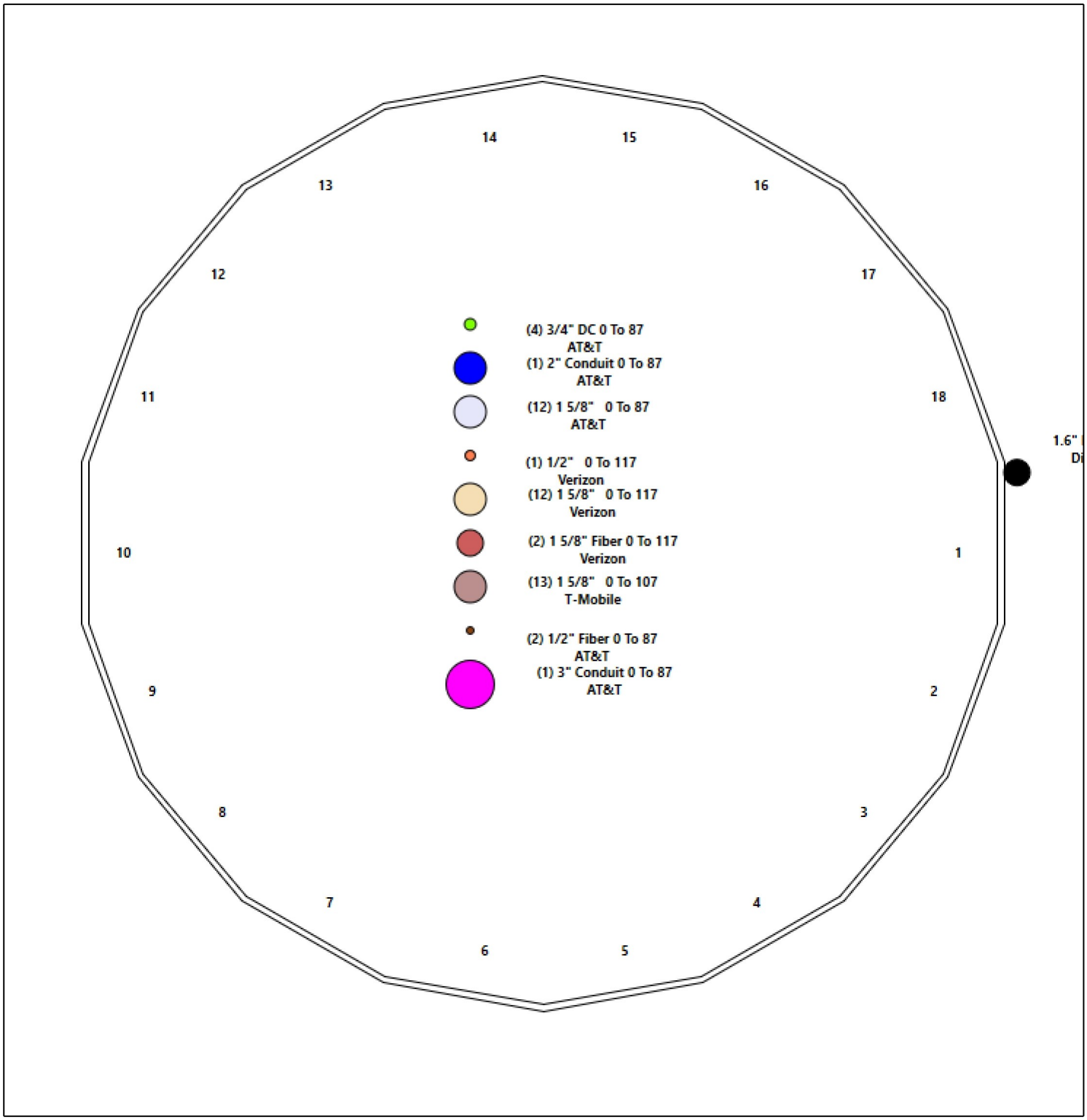
Reactions

Load Case	Moment (FT-Kips)	Shear (Kips)	Axial (Kips)
1.2D + 1.6W 93 mph Wind	2419.6	27.6	47.3
0.9D + 1.6W 93 mph Wind	2403.8	27.6	35.5
1.2D + 1.0Di + 1.0Wi 50 mph Wind	790.3	9.0	80.7
1.2D + 1.0E	182.4	1.8	47.3
0.9D + 1.0E	181.1	1.8	35.5
1.0D + 1.0W 60 mph Wind	626.8	7.2	39.4

Structure: CT03801-S - Coax Line Placement

Type: Monopole
Site Name: East Granby
Height: 120.00 (ft)

11/4/2021



Shaft Properties

Structure:	CT03801-S		**Code:**	EIA/TIA-222-G	11/4/2021
Site Name:	East Granby		**Exposure:**	C	
Height:	120.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 5

Sec. No.	Shape	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Overlap (in)	Weight (lb)
1	18	37.500	0.3750	65		0.00	7,755
2	18	37.500	0.3750	65	Slip	75.00	6,683
3	18	37.500	0.3750	65	Slip	63.00	5,572
4	18	23.250	0.3125	65	Slip	51.00	2,420
					Total Shaft Weight:		**22,430**

	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	56.13	0.00	66.35	26056.15	24.98	149.67	46.75	37.50	55.20	14997.7	20.57	124.6	0.250000
2	49.06	31.25	57.95	17355.14	21.66	130.83	39.69	68.75	46.79	9136.24	17.25	105.8	0.250000
3	41.75	63.50	49.24	10650.98	18.22	111.33	32.38	101.00	38.09	4927.49	13.81	86.33	0.250000
4	34.06	96.75	33.47	4817.43	17.81	109.00	28.25	120.00	27.71	2732.48	14.53	90.40	0.250000

Load Summary

Structure:	CT03801-S	**Code:**	EIA/TIA-222-G	11/4/2021	
Site Name:	East Granby	**Exposure:**	C		
Height:	120.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 6	

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	118.00	Commscope NHH-65B-R2B	6	43.65	8.05	0.83	320.43	9.762	0.84	0.00	1.00
2	118.00	Samsung MT6407-77A	3	79.40	4.69	0.70	244.71	5.922	0.70	0.00	1.00
3	118.00	Samsung RF4439d-25A RRU	3	74.70	1.87	0.84	181.66	2.626	0.84	0.00	1.00
4	118.00	Samsung RF4440d-13A RRU	3	70.33	1.87	0.80	172.27	2.626	0.81	0.00	1.00
5	118.00	Raycap 12 OVP	1	32.00	4.06	1.00	149.91	5.879	1.00	0.00	1.00
6	117.00	VZW MOD	1	1200.00	26.01	1.00	2561.91	53.168	1.00	0.00	0.00
7	117.00	Commscope BSAMNT-SBS-1-2	3	26.00	0.00	1.00	121.72	0.000	1.00	0.00	0.00
8	117.00	Andrew HBXX-6517DS-VTM	3	40.70	8.55	0.77	269.92	12.346	0.79	0.00	0.00
9	117.00	Lucent KS24019-L112A	1	10.00	1.00	0.50	48.13	1.926	0.52	0.00	0.00
10	117.00	Low Profile Platform-Round	1	1500.00	22.00	1.00	3202.39	44.971	1.00	0.00	0.00
11	107.00	Low Profile Platform-Round	1	1500.00	22.00	1.00	3187.25	44.767	1.00	0.00	0.00
12	107.00	APXVAARR24_43-U-NA20	3	128.00	20.24	0.70	686.69	22.716	0.70	0.00	0.00
13	107.00	HRK12 (Handrail Kit)	1	261.72	6.75	1.00	662.09	15.254	1.00	0.00	0.00
14	107.00	KRY 112 144/1	3	11.00	0.41	0.67	24.90	1.022	0.67	0.00	0.00
15	107.00	KRY 112 489/2	6	0.10	0.01	0.67	0.10	0.010	0.67	0.00	0.00
16	107.00	4449	3	70.00	1.65	0.67	164.66	2.365	0.67	0.00	0.00
17	107.00	MS-KI22-5 (Kickers w/o Collar)	1	146.00	5.33	1.00	408.76	12.524	1.00	0.00	0.00
18	97.00	MC-PK8-DSH	1	1727.00	22.94	1.00	3881.45	59.734	1.00	0.00	0.00
19	97.00	TA08025-B605	3	75.00	1.96	0.67	141.76	2.676	0.67	0.00	0.00
20	97.00	TA08025-B604	3	63.90	1.96	0.67	128.53	2.676	0.67	0.00	0.00
21	97.00	RDIDC-9181-PF-48	1	21.90	2.01	1.00	89.87	2.735	1.00	0.00	0.00
22	97.00	MX08FRO665-21	3	64.50	12.49	0.74	435.79	14.360	0.74	0.00	0.00
23	87.00	7770.00	3	35.00	5.50	0.73	216.01	6.868	0.75	0.00	0.00
24	87.00	HPA-65R-BUU-H8	3	68.00	12.98	0.79	451.53	15.052	0.81	0.00	0.00
25	87.00	800 10966	3	125.70	17.36	0.72	594.38	19.668	0.74	0.00	0.00
26	87.00	Low Profile Platform-Round	1	1500.00	22.00	1.00	3152.69	44.300	1.00	0.00	0.00
27	87.00	PRK-1245 (kicker kit)	1	464.91	9.50	1.00	874.70	22.061	1.00	0.00	0.00
28	87.00	HRK12 (Handrail Kit)	1	261.72	6.75	1.00	653.89	15.080	1.00	0.00	0.00
29	87.00	TT19-08BP111-001	6	16.00	0.64	0.90	41.55	1.389	0.92	0.00	0.00
30	87.00	LGP21903	6	5.50	0.27	0.84	16.14	0.772	0.86	0.00	0.00
31	87.00	B2 B66A 8843	3	70.00	1.64	0.85	128.06	2.292	0.87	0.00	0.00
32	87.00	4449 B5/B12	3	71.00	1.97	0.86	138.40	2.661	0.88	0.00	0.00
33	87.00	DC6-48-60-18-8F(23.5" Height)	1	20.00	1.26	1.00	86.62	2.093	1.00	0.00	0.00
34	87.00	DC6-48-60-18-8C	1	20.00	1.26	1.00	86.62	2.093	1.00	0.00	0.00
		Totals:	**86**	**12,276.44**			**33,618.57**				

Linear Appurtenances

Bottom Elev. (ft)	Top Elev. (ft)	Description	Exposed Width	Exposed
0.00	117.00	(12) 1 5/8" Coax	0.00	Inside
0.00	117.00	(2) 1 5/8" Fiber	0.00	Inside
0.00	117.00	(1) 1/2" Coax	0.00	Inside
0.00	107.00	(13) 1 5/8" Coax	0.00	Inside
0.00	97.00	(1) 1.6" Hybrid	1.60	Outside
0.00	87.00	(12) 1 5/8" Coax	0.00	Inside
0.00	87.00	(2) 1/2" Fiber	0.00	Inside

Discrete Appurtenances

No.	Elev (ft)	Description	Qty	No Ice Weight (lb)	No Ice CaAa (sf)	No Ice CaAa Factor	Ice Weight (lb)	Ice CaAa (sf)	Ice CaAa Factor	Hor. Ecc. (ft)	Vert Ecc (ft)
0.00	87.00	(1) 2" Conduit			0.00	Inside					
0.00	87.00	(1) 3" Conduit			0.00	Inside					
0.00	87.00	(4) 3/4" DC			0.00	Inside					

Shaft Section Properties

Structure:	CT03801-S	**Code:**	EIA/TIA-222-G	11/4/2021	
Site Name:	East Granby	**Exposure:**	C		
Height:	120.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 8

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		0.3750	56.125	66.354	26056.2	24.98	149.67	72.0	914.4	0.0
5.00		0.3750	54.875	64.866	24342.5	24.39	146.33	72.7	873.7	1116.3
10.00		0.3750	53.625	63.379	22705.7	23.80	143.00	73.4	834.0	1091.0
15.00		0.3750	52.375	61.891	21143.9	23.22	139.67	74.1	795.1	1065.7
20.00		0.3750	51.125	60.403	19655.5	22.63	136.33	74.8	757.2	1040.3
25.00		0.3750	49.875	58.915	18238.6	22.04	133.00	75.5	720.3	1015.0
30.00		0.3750	48.625	57.427	16891.5	21.45	129.67	76.2	684.2	989.7
31.25	Bot - Section 2	0.3750	48.313	57.056	16565.4	21.31	128.83	76.3	675.3	243.5
35.00		0.3750	47.375	55.940	15612.4	20.87	126.33	76.9	649.1	1453.3
37.50	Top - Section 1	0.3750	47.500	56.089	15737.3	20.92	126.67	0.0	0.0	953.0
40.00		0.3750	46.875	55.345	15119.4	20.63	125.00	77.1	635.3	474.0
45.00		0.3750	45.625	53.857	13932.6	20.04	121.67	77.8	601.5	929.0
50.00		0.3750	44.375	52.369	12809.5	19.45	118.33	78.5	568.6	903.7
55.00		0.3750	43.125	50.881	11748.5	18.87	115.00	79.2	536.6	878.3
60.00		0.3750	41.875	49.394	10747.8	18.28	111.67	79.9	505.5	853.0
63.50	Bot - Section 3	0.3750	41.000	48.352	10082.2	17.87	109.33	80.4	484.3	582.1
65.00		0.3750	40.625	47.906	9805.6	17.69	108.33	80.6	475.4	495.9
68.75	Top - Section 2	0.3750	40.438	47.683	9669.2	17.60	107.83	0.0	0.0	1219.7
70.00		0.3750	40.125	47.311	9444.7	17.46	107.00	80.9	463.6	202.0
75.00		0.3750	38.875	45.823	8581.4	16.87	103.67	81.6	434.8	792.3
80.00		0.3750	37.625	44.335	7772.4	16.28	100.33	82.3	406.9	767.0
85.00		0.3750	36.375	42.847	7015.9	15.69	97.00	82.5	379.9	741.7
87.00		0.3750	35.875	42.252	6727.6	15.46	95.67	82.5	369.4	289.6
90.00		0.3750	35.125	41.360	6310.2	15.11	93.67	82.5	353.8	426.8
95.00		0.3750	33.875	39.872	5653.4	14.52	90.33	82.5	328.7	691.0
96.75	Bot - Section 4	0.3750	33.438	39.351	5434.8	14.31	89.17	82.5	320.1	235.9
97.00		0.3750	33.375	39.277	5404.0	14.28	89.00	82.5	318.9	61.9
100.00		0.3750	32.625	38.384	5043.9	13.93	87.00	82.5	304.5	733.7
101.00	Top - Section 3	0.3125	33.000	32.421	4376.6	17.21	105.60	0.0	0.0	240.8
105.00		0.3125	32.000	31.429	3987.1	16.65	102.40	81.8	245.4	434.5
107.00		0.3125	31.500	30.933	3801.3	16.36	100.80	82.2	237.7	212.2
110.00		0.3125	30.750	30.189	3533.6	15.94	98.40	82.5	226.3	312.0
115.00		0.3125	29.500	28.949	3115.9	15.23	94.40	82.5	208.0	503.1
117.00		0.3125	29.000	28.453	2958.5	14.95	92.80	82.5	200.9	195.3
118.00		0.3125	28.750	28.205	2881.8	14.81	92.00	82.5	197.4	96.4
120.00		0.3125	28.250	27.710	2732.5	14.53	90.40	82.5	190.5	190.3
										22429.9

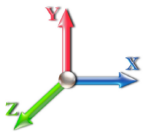
Wind Loading - Shaft

Structure:	CT03801-S	**Code:**	EIA/TIA-222-G	11/4/2021	
Site Name:	East Granby	**Exposure:**	C		
Height:	120.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 9	

Load Case: 1.2D + 1.6W 93 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



Iterations 20

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.85	17.879	19.67	407.21	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	17.879	19.67	398.14	0.650	0.000	5.00	23.482	15.26	480.3	0.0	1339.5
10.00		1.00	0.85	17.879	19.67	389.07	0.650	0.000	5.00	22.953	14.92	469.5	0.0	1309.2
15.00		1.00	0.85	17.879	19.67	380.00	0.650	0.000	5.00	22.424	14.58	458.7	0.0	1278.8
20.00		1.00	0.90	18.971	20.87	382.08	0.650	0.000	5.00	21.895	14.23	475.2	0.0	1248.4
25.00		1.00	0.95	19.883	21.87	381.60	0.650	0.000	5.00	21.366	13.89	486.0	0.0	1218.0
30.00		1.00	0.98	20.661	22.73	379.25	0.650	0.000	5.00	20.837	13.54	492.5	0.0	1187.7
31.25	Bot - Section 2	1.00	0.99	20.839	22.92	378.43	0.650	0.000	1.25	5.127	3.33	122.2	0.0	292.2
35.00		1.00	1.01	21.343	23.48	375.54	0.650	0.000	3.75	15.420	10.02	376.5	0.0	1743.9
37.50	Top - Section 1	1.00	1.03	21.655	23.82	373.29	0.650	0.000	2.50	10.115	6.57	250.6	0.0	1143.6
40.00		1.00	1.04	21.951	24.15	376.84	0.650	0.000	2.50	9.982	6.49	250.7	0.0	568.8
45.00		1.00	1.07	22.502	24.75	371.36	0.650	0.000	5.00	19.568	12.72	503.7	0.0	1114.8
50.00		1.00	1.09	23.007	25.31	365.22	0.650	0.000	5.00	19.039	12.38	501.1	0.0	1084.4
55.00		1.00	1.12	23.473	25.82	358.51	0.650	0.000	5.00	18.510	12.03	497.1	0.0	1054.0
60.00		1.00	1.14	23.907	26.30	351.32	0.650	0.000	5.00	17.982	11.69	491.8	0.0	1023.6
63.50	Bot - Section 3	1.00	1.15	24.194	26.61	346.04	0.650	0.000	3.50	12.272	7.98	339.7	0.0	698.5
65.00		1.00	1.16	24.313	26.74	343.72	0.650	0.000	1.50	5.275	3.43	146.7	0.0	595.0
68.75	Top - Section 2	1.00	1.17	24.602	27.06	337.77	0.650	0.000	3.75	12.980	8.44	365.3	0.0	1463.7
70.00		1.00	1.17	24.696	27.17	342.15	0.650	0.000	1.25	4.261	2.77	120.4	0.0	242.4
75.00		1.00	1.19	25.057	27.56	333.90	0.650	0.000	5.00	16.712	10.86	479.1	0.0	950.7
80.00		1.00	1.21	25.400	27.94	325.37	0.650	0.000	5.00	16.183	10.52	470.2	0.0	920.4
85.00		1.00	1.22	25.726	28.30	316.57	0.650	0.000	5.00	15.654	10.18	460.7	0.0	890.0
87.00	Appurtenance(s)	1.00	1.23	25.852	28.44	312.99	0.650	0.000	2.00	6.114	3.97	180.8	0.0	347.5
90.00		1.00	1.24	26.037	28.64	307.54	0.650	0.000	3.00	9.012	5.86	268.4	0.0	512.1
95.00		1.00	1.25	26.336	28.97	298.29	0.650	0.000	5.00	14.597	9.49	439.8	0.0	829.2
96.75	Bot - Section 4	1.00	1.26	26.437	29.08	295.00	0.650	0.000	1.75	4.984	3.24	150.7	0.0	283.1
97.00	Appurtenance(s)	1.00	1.26	26.451	29.10	294.53	0.650	0.000	0.25	0.720	0.47	21.8	0.0	74.3
100.00		1.00	1.27	26.621	29.28	288.84	0.650	0.000	3.00	8.536	5.55	260.0	0.0	880.4
101.00	Top - Section 3	1.00	1.27	26.677	29.35	286.92	0.650	0.000	1.00	2.803	1.82	85.5	0.0	289.0
105.00		1.00	1.28	26.896	29.59	284.76	0.650	0.000	4.00	11.000	7.15	338.5	0.0	521.4
107.00	Appurtenance(s)	1.00	1.28	27.003	29.70	280.87	0.650	0.000	2.00	5.373	3.49	166.0	0.0	254.6
110.00		1.00	1.29	27.161	29.88	274.98	0.650	0.000	3.00	7.901	5.14	245.5	0.0	374.4
115.00		1.00	1.30	27.416	30.16	265.04	0.650	0.000	5.00	12.746	8.28	399.8	0.0	603.7
117.00	Appurtenance(s)	1.00	1.31	27.516	30.27	261.02	0.650	0.000	2.00	4.950	3.22	155.8	0.0	234.4
118.00	Appurtenance(s)	1.00	1.31	27.565	30.32	259.00	0.650	0.000	1.00	2.443	1.59	77.1	0.0	115.7
120.00		1.00	1.32	27.663	30.43	254.95	0.650	0.000	2.00	4.823	3.14	152.6	0.0	228.3
								Totals:	**120.00**			**11,180.2**		**26,915.8**

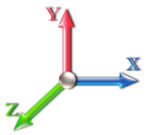
Discrete Appurtenance Forces

Structure:	CT03801-S	**Code:**	EIA/TIA-222-G	11/4/2021	
Site Name:	East Granby	**Exposure:**	C		
Height:	120.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 10	

Load Case: 1.2D + 1.6W 93 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



Iterations 20

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	CaAa 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	118.00	Samsung RF4440d-13A	3	27.614	30.376	0.60	0.75	3.37	253.19	0.000	1.000	163.59	0.00	163.59
2	118.00	Samsung RF4439d-25A	3	27.614	30.376	0.63	0.75	3.53	268.92	0.000	1.000	171.77	0.00	171.77
3	118.00	Samsung MT6407-77A	3	27.614	30.376	0.52	0.75	7.39	285.84	0.000	1.000	359.01	0.00	359.01
4	118.00	Commscope	6	27.614	30.376	0.62	0.75	30.07	314.28	0.000	1.000	1461.29	0.00	1461.29
5	118.00	Raycap 12 OVP	1	27.614	30.376	0.75	0.75	3.04	38.40	0.000	1.000	147.99	0.00	147.99
6	117.00	Andrew	3	27.516	30.268	0.77	1.00	19.75	146.52	0.000	0.000	956.48	0.00	0.00
7	117.00	VZW MOD	1	27.516	30.268	1.00	1.00	26.01	1440.00	0.000	0.000	1259.62	0.00	0.00
8	117.00	Commscope	3	27.516	30.268	1.00	1.00	0.00	93.60	0.000	0.000	0.00	0.00	0.00
9	117.00	Lucent KS24019-L112A	1	27.516	30.268	0.50	1.00	0.50	12.00	0.000	0.000	24.21	0.00	0.00
10	117.00	Low Profile	1	27.516	30.268	1.00	1.00	22.00	1800.00	0.000	0.000	1065.42	0.00	0.00
11	107.00	MS-KI22-5 (Kickers w/o	1	27.003	29.704	1.00	1.00	5.33	175.20	0.000	0.000	253.31	0.00	0.00
12	107.00	4449	3	27.003	29.704	0.50	0.75	2.49	252.00	0.000	0.000	118.21	0.00	0.00
13	107.00	KRY 112 489/2	6	27.003	29.704	0.50	0.75	0.03	0.72	0.000	0.000	1.43	0.00	0.00
14	107.00	KRY 112 144/1	3	27.003	29.704	0.50	0.75	0.62	39.60	0.000	0.000	29.37	0.00	0.00
15	107.00	HRK12 (Handrail Kit)	1	27.003	29.704	1.00	1.00	6.75	314.06	0.000	0.000	320.80	0.00	0.00
16	107.00	APXVAARR24_43-U-NA2	3	27.003	29.704	0.52	0.75	31.88	460.80	0.000	0.000	1515.03	0.00	0.00
17	107.00	Low Profile	1	27.003	29.704	1.00	1.00	22.00	1800.00	0.000	0.000	1045.57	0.00	0.00
18	97.00	MX08FRO665-21	3	26.451	29.096	0.55	0.75	20.80	232.20	0.000	0.000	968.14	0.00	0.00
19	97.00	TA08025-B604	3	26.451	29.096	0.50	0.75	2.95	230.04	0.000	0.000	137.55	0.00	0.00
20	97.00	TA08025-B605	3	26.451	29.096	0.50	0.75	2.95	270.00	0.000	0.000	137.55	0.00	0.00
21	97.00	MC-PK8-DSH	1	26.451	29.096	1.00	1.00	22.94	2072.40	0.000	0.000	1067.96	0.00	0.00
22	97.00	RDIDC-9181-PF-48	1	26.451	29.096	0.75	0.75	1.51	26.28	0.000	0.000	70.18	0.00	0.00
23	87.00	HRK12 (Handrail Kit)	1	25.852	28.438	1.00	1.00	6.75	314.06	0.000	0.000	307.13	0.00	0.00
24	87.00	7770.00	3	25.852	28.438	0.55	0.75	9.03	126.00	0.000	0.000	411.04	0.00	0.00
25	87.00	HPA-65R-BUU-H8	3	25.852	28.438	0.59	0.75	23.07	244.80	0.000	0.000	1049.78	0.00	0.00
26	87.00	800 10966	3	25.852	28.438	0.54	0.75	28.12	452.52	0.000	0.000	1279.61	0.00	0.00
27	87.00	Low Profile	1	25.852	28.438	1.00	1.00	22.00	1800.00	0.000	0.000	1001.00	0.00	0.00
28	87.00	PRK-1245 (kicker kit)	1	25.852	28.438	1.00	1.00	9.50	557.89	0.000	0.000	432.25	0.00	0.00
29	87.00	B2 B66A 8843	3	25.852	28.438	0.64	0.75	3.14	252.00	0.000	0.000	142.71	0.00	0.00
30	87.00	TT19-08BP111-001	6	25.852	28.438	0.68	0.75	2.59	115.20	0.000	0.000	117.94	0.00	0.00
31	87.00	LGP21903	6	25.852	28.438	0.63	0.75	1.02	39.60	0.000	0.000	46.44	0.00	0.00
32	87.00	4449 B5/B12	3	25.852	28.438	0.65	0.75	3.81	255.60	0.000	0.000	173.44	0.00	0.00
33	87.00	DC6-48-60-18-8F(23.5"	1	25.852	28.438	1.00	1.00	1.26	24.00	0.000	0.000	57.33	0.00	0.00
34	87.00	DC6-48-60-18-8C	1	25.852	28.438	1.00	1.00	1.26	24.00	0.000	0.000	57.33	0.00	0.00
							Totals:		**14,731.73**			**16,350.51**		

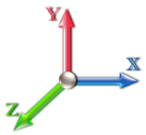
Total Applied Force Summary

Structure:	CT03801-S		**Code:**	EIA/TIA-222-G	11/4/2021
Site Name:	East Granby		**Exposure:**	C	
Height:	120.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 11

Load Case: 1.2D + 1.6W 93 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



Iterations 20

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		480.29	1618.36	0.00	0.00
10.00		469.47	1587.99	0.00	0.00
15.00		458.66	1557.61	0.00	0.00
20.00		475.18	1527.24	0.00	0.00
25.00		486.00	1496.86	0.00	0.00
30.00		492.52	1466.49	0.00	0.00
31.25		122.22	361.88	0.00	0.00
35.00		376.49	1953.02	0.00	0.00
37.50		250.57	1283.03	0.00	0.00
40.00		250.68	708.18	0.00	0.00
45.00		503.73	1393.59	0.00	0.00
50.00		501.11	1363.21	0.00	0.00
55.00		497.07	1332.84	0.00	0.00
60.00		491.79	1302.46	0.00	0.00
63.50		339.68	893.65	0.00	0.00
65.00		146.73	678.69	0.00	0.00
68.75		365.33	1672.81	0.00	0.00
70.00		120.37	312.14	0.00	0.00
75.00		479.06	1229.56	0.00	0.00
80.00		470.25	1199.18	0.00	0.00
85.00		460.72	1168.81	0.00	0.00
87.00	(32) attachments	5256.80	4664.69	0.00	0.00
90.00		268.44	613.50	0.00	0.00
95.00		439.77	998.20	0.00	0.00
96.75		150.73	342.19	0.00	0.00
97.00	(11) attachments	2403.17	2913.64	0.00	0.00
100.00		259.96	978.20	0.00	0.00
101.00		85.54	321.61	0.00	0.00
105.00		338.48	651.81	0.00	0.00
107.00	(18) attachments	3449.73	3362.21	0.00	0.00
110.00		245.51	423.48	0.00	0.00
115.00		399.76	685.54	0.00	0.00
117.00	(9) attachments	3461.57	3759.25	0.00	0.00
118.00	(16) attachments	2380.70	1276.31	0.00	2303.65
120.00		152.64	228.32	0.00	0.00
	Totals:	**27,530.73**	**47,326.55**	**0.00**	**2,303.65**

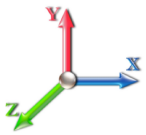
Linear Appurtenance Segment Forces (Factored)

Structure:	CT03801-S	**Code:**	EIA/TIA-222-G	11/4/2021	
Site Name:	East Granby	**Exposure:**	C		
Height:	120.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 12	

Load Case: 1.2D + 1.6W 93 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



Iterations 20

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
5.00	1.6" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.028	0.000	17.879	0.00	6.00
10.00	1.6" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.029	0.000	17.879	0.00	6.00
15.00	1.6" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.030	0.000	17.879	0.00	6.00
20.00	1.6" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.030	0.000	18.971	0.00	6.00
25.00	1.6" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.031	0.000	19.883	0.00	6.00
30.00	1.6" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.032	0.000	20.661	0.00	6.00
31.25	1.6" Hybrid	Yes	1.25	0.000	1.60	0.17	0.00	0.033	0.000	20.839	0.00	1.50
35.00	1.6" Hybrid	Yes	3.75	0.000	1.60	0.50	0.00	0.033	0.000	21.343	0.00	4.50
37.50	1.6" Hybrid	Yes	2.50	0.000	1.60	0.33	0.00	0.033	0.000	21.655	0.00	3.00
40.00	1.6" Hybrid	Yes	2.50	0.000	1.60	0.33	0.00	0.033	0.000	21.951	0.00	3.00
45.00	1.6" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.034	0.000	22.502	0.00	6.00
50.00	1.6" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.035	0.000	23.007	0.00	6.00
55.00	1.6" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.036	0.000	23.473	0.00	6.00
60.00	1.6" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.037	0.000	23.907	0.00	6.00
63.50	1.6" Hybrid	Yes	3.50	0.000	1.60	0.47	0.00	0.038	0.000	24.194	0.00	4.20
65.00	1.6" Hybrid	Yes	1.50	0.000	1.60	0.20	0.00	0.039	0.000	24.313	0.00	1.80
68.75	1.6" Hybrid	Yes	3.75	0.000	1.60	0.50	0.00	0.039	0.000	24.602	0.00	4.50
70.00	1.6" Hybrid	Yes	1.25	0.000	1.60	0.17	0.00	0.039	0.000	24.696	0.00	1.50
75.00	1.6" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.040	0.000	25.057	0.00	6.00
80.00	1.6" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.041	0.000	25.400	0.00	6.00
85.00	1.6" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.043	0.000	25.726	0.00	6.00
87.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.044	0.000	25.852	0.00	2.40
90.00	1.6" Hybrid	Yes	3.00	0.000	1.60	0.40	0.00	0.044	0.000	26.037	0.00	3.60
95.00	1.6" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.046	0.000	26.336	0.00	6.00
96.75	1.6" Hybrid	Yes	1.75	0.000	1.60	0.23	0.00	0.047	0.000	26.437	0.00	2.10
97.00	1.6" Hybrid	Yes	0.25	0.000	1.60	0.03	0.00	0.047	0.000	26.451	0.00	0.30
										Totals:	**0.0**	**116.4**

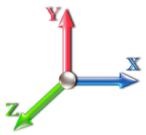
Calculated Forces

Structure:	CT03801-S	**Code:**	EIA/TIA-222-G	11/4/2021	
Site Name:	East Granby	**Exposure:**	C		
Height:	120.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 13

Load Case: 1.2D + 1.6W 93 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



Iterations 20

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	-47.29	-27.59	0.00	-2419.6	0.00	2419.63	4300.95	2150.48	9863.62	4939.14	0.00	0.000	0.000	0.501
5.00	-45.62	-27.21	0.00	-2281.7	0.00	2281.71	4244.87	2122.44	9515.28	4764.71	0.07	-0.128	0.000	0.490
10.00	-43.97	-26.83	0.00	-2145.6	0.00	2145.69	4186.95	2093.47	9168.70	4591.16	0.27	-0.258	0.000	0.478
15.00	-42.35	-26.46	0.00	-2011.5	0.00	2011.54	4127.17	2063.58	8824.15	4418.63	0.61	-0.388	0.000	0.466
20.00	-40.77	-26.07	0.00	-1879.2	0.00	1879.24	4065.54	2032.77	8481.93	4247.27	1.09	-0.519	0.000	0.453
25.00	-39.22	-25.65	0.00	-1748.9	0.00	1748.92	4002.06	2001.03	8142.33	4077.22	1.71	-0.650	0.000	0.439
30.00	-37.72	-25.20	0.00	-1620.6	0.00	1620.65	3936.72	1968.36	7805.63	3908.62	2.46	-0.781	0.000	0.424
31.25	-37.33	-25.11	0.00	-1589.1	0.00	1589.15	3920.10	1960.05	7721.94	3866.71	2.67	-0.815	0.000	0.421
35.00	-35.35	-24.76	0.00	-1494.9	0.00	1494.98	3869.54	1934.77	7472.12	3741.61	3.35	-0.915	0.000	0.409
37.50	-34.04	-24.53	0.00	-1433.0	0.00	1433.08	3876.34	1938.17	7505.32	3758.24	3.85	-0.981	0.000	0.390
40.00	-33.30	-24.32	0.00	-1371.7	0.00	1371.77	3842.15	1921.07	7339.67	3675.29	4.38	-1.048	0.000	0.382
45.00	-31.87	-23.86	0.00	-1250.1	0.00	1250.18	3772.37	1886.19	7011.11	3510.77	5.54	-1.171	0.000	0.365
50.00	-30.46	-23.39	0.00	-1130.9	0.00	1130.90	3700.74	1850.37	6686.43	3348.18	6.84	-1.293	0.000	0.346
55.00	-29.10	-22.92	0.00	-1013.9	0.00	1013.95	3627.26	1813.63	6365.91	3187.69	8.26	-1.412	0.000	0.326
60.00	-27.77	-22.44	0.00	-899.34	0.00	899.34	3551.93	1775.97	6049.85	3029.42	9.80	-1.528	0.000	0.305
63.50	-26.86	-22.11	0.00	-820.79	0.00	820.79	3498.10	1749.05	5831.41	2920.04	10.95	-1.607	0.000	0.289
65.00	-26.17	-21.97	0.00	-787.63	0.00	787.63	3474.75	1737.38	5738.53	2873.53	11.46	-1.641	0.000	0.282
68.75	-24.49	-21.58	0.00	-705.26	0.00	705.26	3463.02	1731.51	5692.26	2850.36	12.78	-1.723	0.000	0.255
70.00	-24.15	-21.47	0.00	-678.29	0.00	678.29	3443.36	1721.68	5615.39	2811.87	13.24	-1.749	0.000	0.248
75.00	-22.91	-20.99	0.00	-570.93	0.00	570.93	3363.59	1681.80	5311.20	2659.55	15.12	-1.844	0.000	0.222
80.00	-21.70	-20.51	0.00	-465.98	0.00	465.98	3281.97	1640.98	5012.43	2509.94	17.10	-1.930	0.000	0.192
85.00	-20.53	-20.03	0.00	-363.43	0.00	363.43	3183.35	1591.68	4697.05	2352.01	19.16	-2.005	0.000	0.161
87.00	-16.04	-14.62	0.00	-323.37	0.00	323.37	3139.14	1569.57	4566.82	2286.80	20.01	-2.033	0.000	0.147
90.00	-15.43	-14.34	0.00	-279.51	0.00	279.51	3072.82	1536.41	4374.90	2190.70	21.30	-2.072	0.000	0.133
95.00	-14.44	-13.88	0.00	-207.80	0.00	207.80	2962.29	1481.14	4064.20	2035.12	23.50	-2.126	0.000	0.107
96.75	-14.10	-13.71	0.00	-183.52	0.00	183.52	2923.60	1461.80	3958.16	1982.02	24.28	-2.144	0.000	0.098
97.00	-11.27	-11.21	0.00	-180.09	0.00	180.09	2918.07	1459.04	3943.13	1974.49	24.40	-2.146	0.000	0.095
100.00	-10.30	-10.91	0.00	-146.47	0.00	146.47	2851.75	1425.88	3764.95	1885.27	25.75	-2.172	0.000	0.081
101.00	-9.98	-10.82	0.00	-135.56	0.00	135.56	2368.11	1184.06	3175.34	1590.03	26.21	-2.180	0.000	0.090
105.00	-9.34	-10.46	0.00	-92.28	0.00	92.28	2314.44	1157.22	3007.53	1506.00	28.05	-2.206	0.000	0.065
107.00	-6.11	-6.88	0.00	-71.37	0.00	71.37	2287.16	1143.58	2924.72	1464.54	28.97	-2.218	0.000	0.051
110.00	-5.69	-6.62	0.00	-50.72	0.00	50.72	2242.90	1121.45	2798.47	1401.32	30.37	-2.231	0.000	0.039
115.00	-5.02	-6.20	0.00	-17.61	0.00	17.61	2150.79	1075.39	2572.22	1288.02	32.72	-2.245	0.000	0.016
117.00	-1.40	-2.59	0.00	-5.22	0.00	5.22	2113.94	1056.97	2484.39	1244.04	33.66	-2.247	0.000	0.005
118.00	-0.22	-0.16	0.00	-0.32	0.00	0.32	2095.52	1047.76	2441.04	1222.34	34.13	-2.248	0.000	0.000
120.00	0.00	-0.15	0.00	0.00	0.00	0.00	2058.68	1029.34	2355.50	1179.50	35.07	-2.248	0.000	0.000

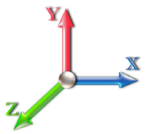
Wind Loading - Shaft

Structure:	CT03801-S	**Code:**	EIA/TIA-222-G	11/4/2021	
Site Name:	East Granby	**Exposure:**	C		
Height:	120.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 14	

Load Case: 0.9D + 1.6W 93 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



Iterations 20

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.85	17.879	19.67	407.21	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	17.879	19.67	398.14	0.650	0.000	5.00	23.482	15.26	480.3	0.0	1004.7
10.00		1.00	0.85	17.879	19.67	389.07	0.650	0.000	5.00	22.953	14.92	469.5	0.0	981.9
15.00		1.00	0.85	17.879	19.67	380.00	0.650	0.000	5.00	22.424	14.58	458.7	0.0	959.1
20.00		1.00	0.90	18.971	20.87	382.08	0.650	0.000	5.00	21.895	14.23	475.2	0.0	936.3
25.00		1.00	0.95	19.883	21.87	381.60	0.650	0.000	5.00	21.366	13.89	486.0	0.0	913.5
30.00		1.00	0.98	20.661	22.73	379.25	0.650	0.000	5.00	20.837	13.54	492.5	0.0	890.7
31.25	Bot - Section 2	1.00	0.99	20.839	22.92	378.43	0.650	0.000	1.25	5.127	3.33	122.2	0.0	219.1
35.00		1.00	1.01	21.343	23.48	375.54	0.650	0.000	3.75	15.420	10.02	376.5	0.0	1307.9
37.50	Top - Section 1	1.00	1.03	21.655	23.82	373.29	0.650	0.000	2.50	10.115	6.57	250.6	0.0	857.7
40.00		1.00	1.04	21.951	24.15	376.84	0.650	0.000	2.50	9.982	6.49	250.7	0.0	426.6
45.00		1.00	1.07	22.502	24.75	371.36	0.650	0.000	5.00	19.568	12.72	503.7	0.0	836.1
50.00		1.00	1.09	23.007	25.31	365.22	0.650	0.000	5.00	19.039	12.38	501.1	0.0	813.3
55.00		1.00	1.12	23.473	25.82	358.51	0.650	0.000	5.00	18.510	12.03	497.1	0.0	790.5
60.00		1.00	1.14	23.907	26.30	351.32	0.650	0.000	5.00	17.982	11.69	491.8	0.0	767.7
63.50	Bot - Section 3	1.00	1.15	24.194	26.61	346.04	0.650	0.000	3.50	12.272	7.98	339.7	0.0	523.9
65.00		1.00	1.16	24.313	26.74	343.72	0.650	0.000	1.50	5.275	3.43	146.7	0.0	446.3
68.75	Top - Section 2	1.00	1.17	24.602	27.06	337.77	0.650	0.000	3.75	12.980	8.44	365.3	0.0	1097.8
70.00		1.00	1.17	24.696	27.17	342.15	0.650	0.000	1.25	4.261	2.77	120.4	0.0	181.8
75.00		1.00	1.19	25.057	27.56	333.90	0.650	0.000	5.00	16.712	10.86	479.1	0.0	713.1
80.00		1.00	1.21	25.400	27.94	325.37	0.650	0.000	5.00	16.183	10.52	470.2	0.0	690.3
85.00		1.00	1.22	25.726	28.30	316.57	0.650	0.000	5.00	15.654	10.18	460.7	0.0	667.5
87.00	Appurtenance(s)	1.00	1.23	25.852	28.44	312.99	0.650	0.000	2.00	6.114	3.97	180.8	0.0	260.6
90.00		1.00	1.24	26.037	28.64	307.54	0.650	0.000	3.00	9.012	5.86	268.4	0.0	384.1
95.00		1.00	1.25	26.336	28.97	298.29	0.650	0.000	5.00	14.597	9.49	439.8	0.0	621.9
96.75	Bot - Section 4	1.00	1.26	26.437	29.08	295.00	0.650	0.000	1.75	4.984	3.24	150.7	0.0	212.3
97.00	Appurtenance(s)	1.00	1.26	26.451	29.10	294.53	0.650	0.000	0.25	0.720	0.47	21.8	0.0	55.7
100.00		1.00	1.27	26.621	29.28	288.84	0.650	0.000	3.00	8.536	5.55	260.0	0.0	660.3
101.00	Top - Section 3	1.00	1.27	26.677	29.35	286.92	0.650	0.000	1.00	2.803	1.82	85.5	0.0	216.8
105.00		1.00	1.28	26.896	29.59	284.76	0.650	0.000	4.00	11.000	7.15	338.5	0.0	391.1
107.00	Appurtenance(s)	1.00	1.28	27.003	29.70	280.87	0.650	0.000	2.00	5.373	3.49	166.0	0.0	191.0
110.00		1.00	1.29	27.161	29.88	274.98	0.650	0.000	3.00	7.901	5.14	245.5	0.0	280.8
115.00		1.00	1.30	27.416	30.16	265.04	0.650	0.000	5.00	12.746	8.28	399.8	0.0	452.8
117.00	Appurtenance(s)	1.00	1.31	27.516	30.27	261.02	0.650	0.000	2.00	4.950	3.22	155.8	0.0	175.8
118.00	Appurtenance(s)	1.00	1.31	27.565	30.32	259.00	0.650	0.000	1.00	2.443	1.59	77.1	0.0	86.8
120.00		1.00	1.32	27.663	30.43	254.95	0.650	0.000	2.00	4.823	3.14	152.6	0.0	171.2
								Totals:	**120.00**			**11,180.2**		**20,186.9**

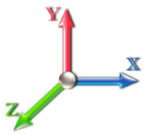
Discrete Appurtenance Forces

Structure:	CT03801-S	**Code:**	EIA/TIA-222-G	11/4/2021	
Site Name:	East Granby	**Exposure:**	C		
Height:	120.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 15	

Load Case: 0.9D + 1.6W 93 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



Iterations 20

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	CaAa 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	118.00	Samsung RF4440d-13A	3	27.614	30.376	0.60	0.75	3.37	189.89	0.000	1.000	163.59	0.00	163.59
2	118.00	Samsung RF4439d-25A	3	27.614	30.376	0.63	0.75	3.53	201.69	0.000	1.000	171.77	0.00	171.77
3	118.00	Samsung MT6407-77A	3	27.614	30.376	0.52	0.75	7.39	214.38	0.000	1.000	359.01	0.00	359.01
4	118.00	Commscope	6	27.614	30.376	0.62	0.75	30.07	235.71	0.000	1.000	1461.29	0.00	1461.29
5	118.00	Raycap 12 OVP	1	27.614	30.376	0.75	0.75	3.04	28.80	0.000	1.000	147.99	0.00	147.99
6	117.00	Andrew	3	27.516	30.268	0.77	1.00	19.75	109.89	0.000	0.000	956.48	0.00	0.00
7	117.00	VZW MOD	1	27.516	30.268	1.00	1.00	26.01	1080.00	0.000	0.000	1259.62	0.00	0.00
8	117.00	Commscope	3	27.516	30.268	1.00	1.00	0.00	70.20	0.000	0.000	0.00	0.00	0.00
9	117.00	Lucent KS24019-L112A	1	27.516	30.268	0.50	1.00	0.50	9.00	0.000	0.000	24.21	0.00	0.00
10	117.00	Low Profile	1	27.516	30.268	1.00	1.00	22.00	1350.00	0.000	0.000	1065.42	0.00	0.00
11	107.00	MS-KI22-5 (Kickers w/o	1	27.003	29.704	1.00	1.00	5.33	131.40	0.000	0.000	253.31	0.00	0.00
12	107.00	4449	3	27.003	29.704	0.50	0.75	2.49	189.00	0.000	0.000	118.21	0.00	0.00
13	107.00	KRY 112 489/2	6	27.003	29.704	0.50	0.75	0.03	0.54	0.000	0.000	1.43	0.00	0.00
14	107.00	KRY 112 144/1	3	27.003	29.704	0.50	0.75	0.62	29.70	0.000	0.000	29.37	0.00	0.00
15	107.00	HRK12 (Handrail Kit)	1	27.003	29.704	1.00	1.00	6.75	235.55	0.000	0.000	320.80	0.00	0.00
16	107.00	APXVAARR24_43-U-NA2	3	27.003	29.704	0.52	0.75	31.88	345.60	0.000	0.000	1515.03	0.00	0.00
17	107.00	Low Profile	1	27.003	29.704	1.00	1.00	22.00	1350.00	0.000	0.000	1045.57	0.00	0.00
18	97.00	MX08FRO665-21	3	26.451	29.096	0.55	0.75	20.80	174.15	0.000	0.000	968.14	0.00	0.00
19	97.00	TA08025-B604	3	26.451	29.096	0.50	0.75	2.95	172.53	0.000	0.000	137.55	0.00	0.00
20	97.00	TA08025-B605	3	26.451	29.096	0.50	0.75	2.95	202.50	0.000	0.000	137.55	0.00	0.00
21	97.00	MC-PK8-DSH	1	26.451	29.096	1.00	1.00	22.94	1554.30	0.000	0.000	1067.96	0.00	0.00
22	97.00	RDIDC-9181-PF-48	1	26.451	29.096	0.75	0.75	1.51	19.71	0.000	0.000	70.18	0.00	0.00
23	87.00	HRK12 (Handrail Kit)	1	25.852	28.438	1.00	1.00	6.75	235.55	0.000	0.000	307.13	0.00	0.00
24	87.00	7770.00	3	25.852	28.438	0.55	0.75	9.03	94.50	0.000	0.000	411.04	0.00	0.00
25	87.00	HPA-65R-BUU-H8	3	25.852	28.438	0.59	0.75	23.07	183.60	0.000	0.000	1049.78	0.00	0.00
26	87.00	800 10966	3	25.852	28.438	0.54	0.75	28.12	339.39	0.000	0.000	1279.61	0.00	0.00
27	87.00	Low Profile	1	25.852	28.438	1.00	1.00	22.00	1350.00	0.000	0.000	1001.00	0.00	0.00
28	87.00	PRK-1245 (kicker kit)	1	25.852	28.438	1.00	1.00	9.50	418.42	0.000	0.000	432.25	0.00	0.00
29	87.00	B2 B66A 8843	3	25.852	28.438	0.64	0.75	3.14	189.00	0.000	0.000	142.71	0.00	0.00
30	87.00	TT19-08BP111-001	6	25.852	28.438	0.68	0.75	2.59	86.40	0.000	0.000	117.94	0.00	0.00
31	87.00	LGP21903	6	25.852	28.438	0.63	0.75	1.02	29.70	0.000	0.000	46.44	0.00	0.00
32	87.00	4449 B5/B12	3	25.852	28.438	0.65	0.75	3.81	191.70	0.000	0.000	173.44	0.00	0.00
33	87.00	DC6-48-60-18-8F(23.5"	1	25.852	28.438	1.00	1.00	1.26	18.00	0.000	0.000	57.33	0.00	0.00
34	87.00	DC6-48-60-18-8C	1	25.852	28.438	1.00	1.00	1.26	18.00	0.000	0.000	57.33	0.00	0.00
							Totals:		**11,048.80**			**16,350.51**		

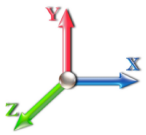
Total Applied Force Summary

Structure:	CT03801-S		**Code:**	EIA/TIA-222-G	11/4/2021
Site Name:	East Granby		**Exposure:**	C	
Height:	120.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 16

Load Case: 0.9D + 1.6W 93 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



Iterations 20

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		480.29	1213.77	0.00	0.00
10.00		469.47	1190.99	0.00	0.00
15.00		458.66	1168.21	0.00	0.00
20.00		475.18	1145.43	0.00	0.00
25.00		486.00	1122.65	0.00	0.00
30.00		492.52	1099.86	0.00	0.00
31.25		122.22	271.41	0.00	0.00
35.00		376.49	1464.77	0.00	0.00
37.50		250.57	962.27	0.00	0.00
40.00		250.68	531.14	0.00	0.00
45.00		503.73	1045.19	0.00	0.00
50.00		501.11	1022.41	0.00	0.00
55.00		497.07	999.63	0.00	0.00
60.00		491.79	976.85	0.00	0.00
63.50		339.68	670.24	0.00	0.00
65.00		146.73	509.02	0.00	0.00
68.75		365.33	1254.61	0.00	0.00
70.00		120.37	234.10	0.00	0.00
75.00		479.06	922.17	0.00	0.00
80.00		470.25	899.39	0.00	0.00
85.00		460.72	876.61	0.00	0.00
87.00	(32) attachments	5256.80	3498.52	0.00	0.00
90.00		268.44	460.12	0.00	0.00
95.00		439.77	748.65	0.00	0.00
96.75		150.73	256.65	0.00	0.00
97.00	(11) attachments	2403.17	2185.23	0.00	0.00
100.00		259.96	733.65	0.00	0.00
101.00		85.54	241.21	0.00	0.00
105.00		338.48	488.86	0.00	0.00
107.00	(18) attachments	3449.73	2521.66	0.00	0.00
110.00		245.51	317.61	0.00	0.00
115.00		399.76	514.16	0.00	0.00
117.00	(9) attachments	3461.57	2819.44	0.00	0.00
118.00	(16) attachments	2380.70	957.23	0.00	2303.65
120.00		152.64	171.24	0.00	0.00
	Totals:	**27,530.73**	**35,494.91**	**0.00**	**2,303.65**

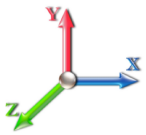
Linear Appurtenance Segment Forces (Factored)

Structure:	CT03801-S	**Code:**	EIA/TIA-222-G	11/4/2021	
Site Name:	East Granby	**Exposure:**	C		
Height:	120.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 17	

Load Case: 0.9D + 1.6W 93 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



Iterations 20

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
5.00	1.6" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.028	0.000	17.879	0.00	4.50
10.00	1.6" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.029	0.000	17.879	0.00	4.50
15.00	1.6" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.030	0.000	17.879	0.00	4.50
20.00	1.6" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.030	0.000	18.971	0.00	4.50
25.00	1.6" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.031	0.000	19.883	0.00	4.50
30.00	1.6" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.032	0.000	20.661	0.00	4.50
31.25	1.6" Hybrid	Yes	1.25	0.000	1.60	0.17	0.00	0.033	0.000	20.839	0.00	1.13
35.00	1.6" Hybrid	Yes	3.75	0.000	1.60	0.50	0.00	0.033	0.000	21.343	0.00	3.38
37.50	1.6" Hybrid	Yes	2.50	0.000	1.60	0.33	0.00	0.033	0.000	21.655	0.00	2.25
40.00	1.6" Hybrid	Yes	2.50	0.000	1.60	0.33	0.00	0.033	0.000	21.951	0.00	2.25
45.00	1.6" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.034	0.000	22.502	0.00	4.50
50.00	1.6" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.035	0.000	23.007	0.00	4.50
55.00	1.6" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.036	0.000	23.473	0.00	4.50
60.00	1.6" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.037	0.000	23.907	0.00	4.50
63.50	1.6" Hybrid	Yes	3.50	0.000	1.60	0.47	0.00	0.038	0.000	24.194	0.00	3.15
65.00	1.6" Hybrid	Yes	1.50	0.000	1.60	0.20	0.00	0.039	0.000	24.313	0.00	1.35
68.75	1.6" Hybrid	Yes	3.75	0.000	1.60	0.50	0.00	0.039	0.000	24.602	0.00	3.38
70.00	1.6" Hybrid	Yes	1.25	0.000	1.60	0.17	0.00	0.039	0.000	24.696	0.00	1.13
75.00	1.6" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.040	0.000	25.057	0.00	4.50
80.00	1.6" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.041	0.000	25.400	0.00	4.50
85.00	1.6" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.043	0.000	25.726	0.00	4.50
87.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.044	0.000	25.852	0.00	1.80
90.00	1.6" Hybrid	Yes	3.00	0.000	1.60	0.40	0.00	0.044	0.000	26.037	0.00	2.70
95.00	1.6" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.046	0.000	26.336	0.00	4.50
96.75	1.6" Hybrid	Yes	1.75	0.000	1.60	0.23	0.00	0.047	0.000	26.437	0.00	1.57
97.00	1.6" Hybrid	Yes	0.25	0.000	1.60	0.03	0.00	0.047	0.000	26.451	0.00	0.23
										Totals:	**0.0**	**87.3**

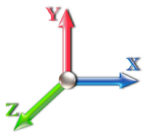
Calculated Forces

Structure:	CT03801-S	**Code:**	EIA/TIA-222-G	11/4/2021	
Site Name:	East Granby	**Exposure:**	C		
Height:	120.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 18

Load Case: 0.9D + 1.6W 93 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



Iterations 20

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	-35.46	-27.57	0.00	-2403.8	0.00	2403.82	4300.95	2150.48	9863.62	4939.14	0.00	0.000	0.000	0.495
5.00	-34.19	-27.17	0.00	-2265.9	0.00	2265.97	4244.87	2122.44	9515.28	4764.71	0.07	-0.127	0.000	0.484
10.00	-32.94	-26.77	0.00	-2130.1	0.00	2130.14	4186.95	2093.47	9168.70	4591.16	0.27	-0.256	0.000	0.472
15.00	-31.71	-26.37	0.00	-1996.3	0.00	1996.31	4127.17	2063.58	8824.15	4418.63	0.61	-0.385	0.000	0.460
20.00	-30.51	-25.96	0.00	-1864.4	0.00	1864.45	4065.54	2032.77	8481.93	4247.27	1.08	-0.515	0.000	0.447
25.00	-29.34	-25.53	0.00	-1734.6	0.00	1734.66	4002.06	2001.03	8142.33	4077.22	1.69	-0.645	0.000	0.433
30.00	-28.21	-25.06	0.00	-1607.0	0.00	1607.02	3936.72	1968.36	7805.63	3908.62	2.44	-0.776	0.000	0.418
31.25	-27.91	-24.97	0.00	-1575.6	0.00	1575.69	3920.10	1960.05	7721.94	3866.71	2.65	-0.809	0.000	0.415
35.00	-26.42	-24.61	0.00	-1482.0	0.00	1482.07	3869.54	1934.77	7472.12	3741.61	3.32	-0.908	0.000	0.403
37.50	-25.43	-24.37	0.00	-1420.5	0.00	1420.55	3876.34	1938.17	7505.32	3758.24	3.82	-0.974	0.000	0.385
40.00	-24.86	-24.15	0.00	-1359.6	0.00	1359.62	3842.15	1921.07	7339.67	3675.29	4.35	-1.040	0.000	0.377
45.00	-23.78	-23.68	0.00	-1238.8	0.00	1238.87	3772.37	1886.19	7011.11	3510.77	5.50	-1.162	0.000	0.359
50.00	-22.72	-23.20	0.00	-1120.4	0.00	1120.48	3700.74	1850.37	6686.43	3348.18	6.78	-1.282	0.000	0.341
55.00	-21.69	-22.73	0.00	-1004.4	0.00	1004.47	3627.26	1813.63	6365.91	3187.69	8.19	-1.400	0.000	0.321
60.00	-20.68	-22.24	0.00	-890.84	0.00	890.84	3551.93	1775.97	6049.85	3029.42	9.72	-1.515	0.000	0.300
63.50	-20.00	-21.91	0.00	-812.98	0.00	812.98	3498.10	1749.05	5831.41	2920.04	10.86	-1.594	0.000	0.284
65.00	-19.47	-21.77	0.00	-780.12	0.00	780.12	3474.75	1737.38	5738.53	2873.53	11.37	-1.628	0.000	0.277
68.75	-18.21	-21.38	0.00	-698.51	0.00	698.51	3463.02	1731.51	5692.26	2850.36	12.68	-1.708	0.000	0.250
70.00	-17.96	-21.27	0.00	-671.78	0.00	671.78	3443.36	1721.68	5615.39	2811.87	13.13	-1.735	0.000	0.244
75.00	-17.02	-20.79	0.00	-565.42	0.00	565.42	3363.59	1681.80	5311.20	2659.55	15.00	-1.828	0.000	0.218
80.00	-16.11	-20.31	0.00	-461.47	0.00	461.47	3281.97	1640.98	5012.43	2509.94	16.96	-1.913	0.000	0.189
85.00	-15.23	-19.84	0.00	-359.90	0.00	359.90	3183.35	1591.68	4697.05	2352.01	19.01	-1.988	0.000	0.158
87.00	-11.91	-14.47	0.00	-320.23	0.00	320.23	3139.14	1569.57	4566.82	2286.80	19.85	-2.016	0.000	0.144
90.00	-11.45	-14.19	0.00	-276.82	0.00	276.82	3072.82	1536.41	4374.90	2190.70	21.13	-2.054	0.000	0.130
95.00	-10.71	-13.73	0.00	-205.86	0.00	205.86	2962.29	1481.14	4064.20	2035.12	23.31	-2.108	0.000	0.105
96.75	-10.45	-13.57	0.00	-181.83	0.00	181.83	2923.60	1461.80	3958.16	1982.02	24.08	-2.125	0.000	0.095
97.00	-8.36	-11.09	0.00	-178.43	0.00	178.43	2918.07	1459.04	3943.13	1974.49	24.20	-2.128	0.000	0.093
100.00	-7.63	-10.81	0.00	-145.15	0.00	145.15	2851.75	1425.88	3764.95	1885.27	25.54	-2.153	0.000	0.080
101.00	-7.39	-10.72	0.00	-134.34	0.00	134.34	2368.11	1184.06	3175.34	1590.03	25.99	-2.161	0.000	0.088
105.00	-6.91	-10.36	0.00	-91.48	0.00	91.48	2314.44	1157.22	3007.53	1506.00	27.82	-2.187	0.000	0.064
107.00	-4.52	-6.82	0.00	-70.76	0.00	70.76	2287.16	1143.58	2924.72	1464.54	28.73	-2.199	0.000	0.050
110.00	-4.21	-6.56	0.00	-50.30	0.00	50.30	2242.90	1121.45	2798.47	1401.32	30.12	-2.212	0.000	0.038
115.00	-3.71	-6.14	0.00	-17.48	0.00	17.48	2150.79	1075.39	2572.22	1288.02	32.45	-2.226	0.000	0.015
117.00	-1.03	-2.58	0.00	-5.20	0.00	5.20	2113.94	1056.97	2484.39	1244.04	33.38	-2.228	0.000	0.005
118.00	-0.17	-0.16	0.00	-0.32	0.00	0.32	2095.52	1047.76	2441.04	1222.34	33.84	-2.228	0.000	0.000
120.00	0.00	-0.15	0.00	0.00	0.00	0.00	2058.68	1029.34	2355.50	1179.50	34.78	-2.228	0.000	0.000

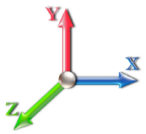
Wind Loading - Shaft

Structure:	CT03801-S	**Code:**	EIA/TIA-222-G	11/4/2021	
Site Name:	East Granby	**Exposure:**	C		
Height:	120.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 19	

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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 19

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	1.656	5.00	24.862	29.83	169.6	586.4	1926.0
10.00		1.00	0.85	5.168	5.68	0.00	1.200	1.775	5.00	24.432	29.32	166.7	615.9	1925.1
15.00		1.00	0.85	5.168	5.68	0.00	1.200	1.848	5.00	23.964	28.76	163.5	627.7	1906.5
20.00		1.00	0.90	5.483	6.03	0.00	1.200	1.902	5.00	23.480	28.18	170.0	631.8	1880.2
25.00		1.00	0.95	5.747	6.32	0.00	1.200	1.945	5.00	22.987	27.58	174.4	631.3	1849.4
30.00		1.00	0.98	5.972	6.57	0.00	1.200	1.981	5.00	22.488	26.99	177.3	627.9	1815.5
31.25	Bot - Section 2	1.00	0.99	6.024	6.63	0.00	1.200	1.989	1.25	5.541	6.65	44.1	156.7	448.8
35.00		1.00	1.01	6.169	6.79	0.00	1.200	2.012	3.75	16.677	20.01	135.8	473.8	2217.7
37.50	Top - Section 1	1.00	1.03	6.259	6.89	0.00	1.200	2.026	2.50	10.959	13.15	90.5	314.2	1457.8
40.00		1.00	1.04	6.345	6.98	0.00	1.200	2.039	2.50	10.832	13.00	90.7	312.3	881.1
45.00		1.00	1.07	6.504	7.15	0.00	1.200	2.063	5.00	21.287	25.54	182.8	616.1	1730.9
50.00		1.00	1.09	6.650	7.32	0.00	1.200	2.085	5.00	20.777	24.93	182.4	606.6	1691.0
55.00		1.00	1.12	6.785	7.46	0.00	1.200	2.105	5.00	20.264	24.32	181.5	596.2	1650.2
60.00		1.00	1.14	6.910	7.60	0.00	1.200	2.123	5.00	19.751	23.70	180.2	585.0	1608.6
63.50	Bot - Section 3	1.00	1.15	6.993	7.69	0.00	1.200	2.135	3.50	13.518	16.22	124.8	403.7	1102.2
65.00		1.00	1.16	7.028	7.73	0.00	1.200	2.140	1.50	5.811	6.97	53.9	175.0	770.0
68.75	Top - Section 2	1.00	1.17	7.111	7.82	0.00	1.200	2.152	3.75	14.326	17.19	134.5	430.5	1894.2
70.00		1.00	1.17	7.138	7.85	0.00	1.200	2.156	1.25	4.710	5.65	44.4	142.7	385.1
75.00		1.00	1.19	7.243	7.97	0.00	1.200	2.171	5.00	18.522	22.23	177.1	558.0	1508.8
80.00		1.00	1.21	7.342	8.08	0.00	1.200	2.185	5.00	18.004	21.61	174.5	544.7	1465.1
85.00		1.00	1.22	7.436	8.18	0.00	1.200	2.198	5.00	17.487	20.98	171.6	531.0	1421.0
87.00	Appurtenance(s)	1.00	1.23	7.473	8.22	0.00	1.200	2.204	2.00	6.848	8.22	67.6	210.1	557.6
90.00		1.00	1.24	7.526	8.28	0.00	1.200	2.211	3.00	10.117	12.14	100.5	310.1	822.2
95.00		1.00	1.25	7.612	8.37	0.00	1.200	2.223	5.00	16.449	19.74	165.3	502.4	1331.7
96.75	Bot - Section 4	1.00	1.26	7.642	8.41	0.00	1.200	2.227	1.75	5.633	6.76	56.8	174.0	457.1
97.00	Appurtenance(s)	1.00	1.26	7.646	8.41	0.00	1.200	2.228	0.25	0.813	0.98	8.2	25.3	99.5
100.00		1.00	1.27	7.695	8.46	0.00	1.200	2.234	3.00	9.653	11.58	98.1	297.8	1178.3
101.00	Top - Section 3	1.00	1.27	7.711	8.48	0.00	1.200	2.237	1.00	3.176	3.81	32.3	98.7	387.7
105.00		1.00	1.28	7.774	8.55	0.00	1.200	2.245	4.00	12.497	15.00	128.3	385.1	906.6
107.00	Appurtenance(s)	1.00	1.28	7.805	8.59	0.00	1.200	2.250	2.00	6.123	7.35	63.1	190.1	444.8
110.00		1.00	1.29	7.851	8.64	0.00	1.200	2.256	3.00	9.029	10.84	93.6	279.7	654.0
115.00		1.00	1.30	7.925	8.72	0.00	1.200	2.266	5.00	14.634	17.56	153.1	450.6	1054.3
117.00	Appurtenance(s)	1.00	1.31	7.954	8.75	0.00	1.200	2.270	2.00	5.707	6.85	59.9	177.7	412.1
118.00	Appurtenance(s)	1.00	1.31	7.968	8.76	0.00	1.200	2.272	1.00	2.822	3.39	29.7	88.2	203.9
120.00		1.00	1.32	7.996	8.80	0.00	1.200	2.276	2.00	5.582	6.70	58.9	173.9	402.2
								Totals:	**120.00**			**4,105.3**		**40,447.1**

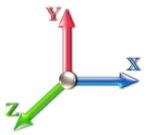
Discrete Appurtenance Forces

Structure:	CT03801-S	**Code:**	EIA/TIA-222-G	11/4/2021	
Site Name:	East Granby	**Exposure:**	C		
Height:	120.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 20	

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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 19

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	CaAa 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	118.00	Samsung RF4440d-13A	3	7.982	8.780	0.61	0.75	4.79	558.99	0.000	1.000	42.02	0.00	42.02
2	118.00	Samsung RF4439d-25A	3	7.982	8.780	0.63	0.75	4.96	589.80	0.000	1.000	43.58	0.00	43.58
3	118.00	Samsung MT6407-77A	3	7.982	8.780	0.52	0.75	9.33	781.77	0.000	1.000	81.89	0.00	81.89
4	118.00	Commscope	6	7.982	8.780	0.63	0.75	36.90	1974.95	0.000	1.000	323.99	0.00	323.99
5	118.00	Raycap 12 OVP	1	7.982	8.780	0.75	0.75	4.41	134.01	0.000	1.000	38.71	0.00	38.71
6	117.00	Andrew	3	7.954	8.749	0.79	1.00	29.26	680.58	0.000	0.000	255.99	0.00	0.00
7	117.00	VZW MOD	1	7.954	8.749	1.00	1.00	53.17	2201.91	0.000	0.000	465.16	0.00	0.00
8	117.00	Commscope	3	7.954	8.749	1.00	1.00	0.00	295.87	0.000	0.000	0.00	0.00	0.00
9	117.00	Lucent KS24019-L112A	1	7.954	8.749	0.52	1.00	1.00	42.13	0.000	0.000	8.76	0.00	0.00
10	117.00	Low Profile	1	7.954	8.749	1.00	1.00	44.97	3202.39	0.000	0.000	393.45	0.00	0.00
11	107.00	MS-KI22-5 (Kickers w/o	1	7.805	8.586	1.00	1.00	12.52	373.96	0.000	0.000	107.53	0.00	0.00
12	107.00	4449	3	7.805	8.586	0.50	0.75	3.57	535.99	0.000	0.000	30.61	0.00	0.00
13	107.00	KRY 112 489/2	6	7.805	8.586	0.50	0.75	0.03	1.32	0.000	0.000	0.26	0.00	0.00
14	107.00	KRY 112 144/1	3	7.805	8.586	0.50	0.75	1.54	71.99	0.000	0.000	13.23	0.00	0.00
15	107.00	HRK12 (Handrail Kit)	1	7.805	8.586	1.00	1.00	15.25	976.16	0.000	0.000	130.97	0.00	0.00
16	107.00	APXVAARR24_43-U-NA2	3	7.805	8.586	0.52	0.75	35.78	2136.88	0.000	0.000	307.18	0.00	0.00
17	107.00	Low Profile	1	7.805	8.586	1.00	1.00	44.77	3187.25	0.000	0.000	384.36	0.00	0.00
18	97.00	MX08FRO665-21	3	7.646	8.410	0.55	0.75	23.91	1144.46	0.000	0.000	201.08	0.00	0.00
19	97.00	TA08025-B604	3	7.646	8.410	0.50	0.75	4.03	387.62	0.000	0.000	33.93	0.00	0.00
20	97.00	TA08025-B605	3	7.646	8.410	0.50	0.75	4.03	432.49	0.000	0.000	33.93	0.00	0.00
21	97.00	MC-PK8-DSH	1	7.646	8.410	1.00	1.00	59.73	3853.85	0.000	0.000	502.39	0.00	0.00
22	97.00	RDIDC-9181-PF-48	1	7.646	8.410	0.75	0.75	2.05	81.55	0.000	0.000	17.25	0.00	0.00
23	87.00	HRK12 (Handrail Kit)	1	7.473	8.220	1.00	1.00	15.08	967.96	0.000	0.000	123.95	0.00	0.00
24	87.00	7770.00	3	7.473	8.220	0.56	0.75	11.59	669.02	0.000	0.000	95.27	0.00	0.00
25	87.00	HPA-65R-BUU-H8	3	7.473	8.220	0.61	0.75	27.43	1395.38	0.000	0.000	225.49	0.00	0.00
26	87.00	800 10966	3	7.473	8.220	0.55	0.75	32.75	1858.55	0.000	0.000	269.18	0.00	0.00
27	87.00	Low Profile	1	7.473	8.220	1.00	1.00	44.30	3152.69	0.000	0.000	364.14	0.00	0.00
28	87.00	PRK-1245 (kicker kit)	1	7.473	8.220	1.00	1.00	22.06	872.59	0.000	0.000	181.33	0.00	0.00
29	87.00	B2 B66A 8843	3	7.473	8.220	0.65	0.75	4.49	392.28	0.000	0.000	36.88	0.00	0.00
30	87.00	TT19-08BP111-001	6	7.473	8.220	0.69	0.75	5.75	233.73	0.000	0.000	47.25	0.00	0.00
31	87.00	LGP21903	6	7.473	8.220	0.65	0.75	2.99	89.05	0.000	0.000	24.56	0.00	0.00
32	87.00	4449 B5/B12	3	7.473	8.220	0.66	0.75	5.27	417.00	0.000	0.000	43.31	0.00	0.00
33	87.00	DC6-48-60-18-8F(23.5"	1	7.473	8.220	1.00	1.00	2.09	75.52	0.000	0.000	17.20	0.00	0.00
34	87.00	DC6-48-60-18-8C	1	7.473	8.220	1.00	1.00	2.09	75.52	0.000	0.000	17.20	0.00	0.00
							Totals:		**33,845.21**			**4,862.08**		

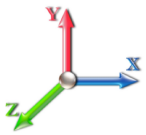
Total Applied Force Summary

Structure:	CT03801-S		**Code:**	EIA/TIA-222-G	11/4/2021
Site Name:	East Granby		**Exposure:**	C	
Height:	120.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 21

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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 19

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		169.60	2232.90	0.00	0.00
10.00		166.67	2235.24	0.00	0.00
15.00		163.48	2218.80	0.00	0.00
20.00		169.96	2194.05	0.00	0.00
25.00		174.39	2164.48	0.00	0.00
30.00		177.28	2131.72	0.00	0.00
31.25		44.06	527.94	0.00	0.00
35.00		135.81	2455.53	0.00	0.00
37.50		90.54	1616.56	0.00	0.00
40.00		90.72	1040.04	0.00	0.00
45.00		182.76	2049.60	0.00	0.00
50.00		182.38	2010.39	0.00	0.00
55.00		181.49	1970.23	0.00	0.00
60.00		180.16	1929.26	0.00	0.00
63.50		124.79	1326.93	0.00	0.00
65.00		53.90	866.37	0.00	0.00
68.75		134.47	2135.38	0.00	0.00
70.00		44.38	465.57	0.00	0.00
75.00		177.07	1830.94	0.00	0.00
80.00		174.48	1787.72	0.00	0.00
85.00		171.64	1744.05	0.00	0.00
87.00	(32) attachments	1513.33	10886.22	0.00	0.00
90.00		100.51	950.43	0.00	0.00
95.00		165.29	1545.71	0.00	0.00
96.75		56.82	532.07	0.00	0.00
97.00	(11) attachments	796.79	6010.21	0.00	0.00
100.00		98.05	1276.04	0.00	0.00
101.00		32.33	420.30	0.00	0.00
105.00		128.25	1036.92	0.00	0.00
107.00	(18) attachments	1037.23	7793.51	0.00	0.00
110.00		93.57	703.15	0.00	0.00
115.00		153.08	1136.13	0.00	0.00
117.00	(9) attachments	1183.28	6867.74	0.00	0.00
118.00	(16) attachments	559.88	4243.43	0.00	530.20
120.00		58.91	402.25	0.00	0.00
	Totals:	**8,967.37**	**80,737.81**	**0.00**	**530.20**

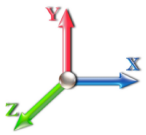
Linear Appurtenance Segment Forces (Factored)

Structure:	CT03801-S	**Code:**	EIA/TIA-222-G	11/4/2021	
Site Name:	East Granby	**Exposure:**	C		
Height:	120.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 22	

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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 19

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
5.00	1.6" Hybrid	Yes	5.00	0.000	1.60	2.05	0.00	0.028	0.000	5.168	0.00	34.13
10.00	1.6" Hybrid	Yes	5.00	0.000	1.60	2.15	0.00	0.029	0.000	5.168	0.00	37.36
15.00	1.6" Hybrid	Yes	5.00	0.000	1.60	2.21	0.00	0.030	0.000	5.168	0.00	39.44
20.00	1.6" Hybrid	Yes	5.00	0.000	1.60	2.25	0.00	0.030	0.000	5.483	0.00	41.01
25.00	1.6" Hybrid	Yes	5.00	0.000	1.60	2.29	0.00	0.031	0.000	5.747	0.00	42.29
30.00	1.6" Hybrid	Yes	5.00	0.000	1.60	2.32	0.00	0.032	0.000	5.972	0.00	43.37
31.25	1.6" Hybrid	Yes	1.25	0.000	1.60	0.58	0.00	0.033	0.000	6.024	0.00	10.90
35.00	1.6" Hybrid	Yes	3.75	0.000	1.60	1.76	0.00	0.033	0.000	6.169	0.00	33.23
37.50	1.6" Hybrid	Yes	2.50	0.000	1.60	1.18	0.00	0.033	0.000	6.259	0.00	22.37
40.00	1.6" Hybrid	Yes	2.50	0.000	1.60	1.18	0.00	0.033	0.000	6.345	0.00	22.57
45.00	1.6" Hybrid	Yes	5.00	0.000	1.60	2.39	0.00	0.034	0.000	6.504	0.00	45.90
50.00	1.6" Hybrid	Yes	5.00	0.000	1.60	2.40	0.00	0.035	0.000	6.650	0.00	46.59
55.00	1.6" Hybrid	Yes	5.00	0.000	1.60	2.42	0.00	0.036	0.000	6.785	0.00	47.23
60.00	1.6" Hybrid	Yes	5.00	0.000	1.60	2.44	0.00	0.037	0.000	6.910	0.00	47.82
63.50	1.6" Hybrid	Yes	3.50	0.000	1.60	1.71	0.00	0.038	0.000	6.993	0.00	33.74
65.00	1.6" Hybrid	Yes	1.50	0.000	1.60	0.74	0.00	0.039	0.000	7.028	0.00	14.51
68.75	1.6" Hybrid	Yes	3.75	0.000	1.60	1.85	0.00	0.039	0.000	7.111	0.00	36.57
70.00	1.6" Hybrid	Yes	1.25	0.000	1.60	0.62	0.00	0.039	0.000	7.138	0.00	12.22
75.00	1.6" Hybrid	Yes	5.00	0.000	1.60	2.48	0.00	0.040	0.000	7.243	0.00	49.37
80.00	1.6" Hybrid	Yes	5.00	0.000	1.60	2.49	0.00	0.041	0.000	7.342	0.00	49.83
85.00	1.6" Hybrid	Yes	5.00	0.000	1.60	2.50	0.00	0.043	0.000	7.436	0.00	50.27
87.00	1.6" Hybrid	Yes	2.00	0.000	1.60	1.00	0.00	0.044	0.000	7.473	0.00	20.18
90.00	1.6" Hybrid	Yes	3.00	0.000	1.60	1.51	0.00	0.044	0.000	7.526	0.00	30.41
95.00	1.6" Hybrid	Yes	5.00	0.000	1.60	2.52	0.00	0.046	0.000	7.612	0.00	51.09
96.75	1.6" Hybrid	Yes	1.75	0.000	1.60	0.88	0.00	0.047	0.000	7.642	0.00	17.93
97.00	1.6" Hybrid	Yes	0.25	0.000	1.60	0.13	0.00	0.047	0.000	7.646	0.00	2.56
									Totals:		**0.0**	**882.9**

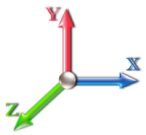
Calculated Forces

Structure:	CT03801-S	**Code:**	EIA/TIA-222-G	11/4/2021	
Site Name:	East Granby	**Exposure:**	C		
Height:	120.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 23	

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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 19

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	-80.73	-9.00	0.00	-790.26	0.00	790.26	4300.95	2150.48	9863.62	4939.14	0.00	0.000	0.000	0.179
5.00	-78.50	-8.88	0.00	-745.28	0.00	745.28	4244.87	2122.44	9515.28	4764.71	0.02	-0.042	0.000	0.175
10.00	-76.25	-8.77	0.00	-700.86	0.00	700.86	4186.95	2093.47	9168.70	4591.16	0.09	-0.084	0.000	0.171
15.00	-74.03	-8.66	0.00	-657.00	0.00	657.00	4127.17	2063.58	8824.15	4418.63	0.20	-0.127	0.000	0.167
20.00	-71.83	-8.54	0.00	-613.71	0.00	613.71	4065.54	2032.77	8481.93	4247.27	0.36	-0.169	0.000	0.162
25.00	-69.66	-8.41	0.00	-571.03	0.00	571.03	4002.06	2001.03	8142.33	4077.22	0.56	-0.212	0.000	0.157
30.00	-67.52	-8.25	0.00	-528.99	0.00	528.99	3936.72	1968.36	7805.63	3908.62	0.80	-0.255	0.000	0.153
31.25	-66.99	-8.23	0.00	-518.67	0.00	518.67	3920.10	1960.05	7721.94	3866.71	0.87	-0.266	0.000	0.151
35.00	-64.53	-8.11	0.00	-487.80	0.00	487.80	3869.54	1934.77	7472.12	3741.61	1.09	-0.299	0.000	0.147
37.50	-62.92	-8.04	0.00	-467.52	0.00	467.52	3876.34	1938.17	7505.32	3758.24	1.26	-0.320	0.000	0.141
40.00	-61.87	-7.98	0.00	-447.42	0.00	447.42	3842.15	1921.07	7339.67	3675.29	1.43	-0.342	0.000	0.138
45.00	-59.82	-7.82	0.00	-407.54	0.00	407.54	3772.37	1886.19	7011.11	3510.77	1.81	-0.382	0.000	0.132
50.00	-57.80	-7.67	0.00	-368.43	0.00	368.43	3700.74	1850.37	6686.43	3348.18	2.23	-0.422	0.000	0.126
55.00	-55.83	-7.51	0.00	-330.11	0.00	330.11	3627.26	1813.63	6365.91	3187.69	2.70	-0.461	0.000	0.119
60.00	-53.90	-7.34	0.00	-292.58	0.00	292.58	3551.93	1775.97	6049.85	3029.42	3.20	-0.498	0.000	0.112
63.50	-52.57	-7.22	0.00	-266.89	0.00	266.89	3498.10	1749.05	5831.41	2920.04	3.57	-0.524	0.000	0.106
65.00	-51.70	-7.17	0.00	-256.06	0.00	256.06	3474.75	1737.38	5738.53	2873.53	3.74	-0.535	0.000	0.104
68.75	-49.57	-7.03	0.00	-229.16	0.00	229.16	3463.02	1731.51	5692.26	2850.36	4.17	-0.562	0.000	0.095
70.00	-49.10	-7.00	0.00	-220.37	0.00	220.37	3443.36	1721.68	5615.39	2811.87	4.32	-0.571	0.000	0.093
75.00	-47.27	-6.83	0.00	-185.35	0.00	185.35	3363.59	1681.80	5311.20	2659.55	4.94	-0.601	0.000	0.084
80.00	-45.48	-6.66	0.00	-151.20	0.00	151.20	3281.97	1640.98	5012.43	2509.94	5.58	-0.629	0.000	0.074
85.00	-43.73	-6.48	0.00	-117.91	0.00	117.91	3183.35	1591.68	4697.05	2352.01	6.25	-0.654	0.000	0.064
87.00	-32.86	-4.85	0.00	-104.95	0.00	104.95	3139.14	1569.57	4566.82	2286.80	6.53	-0.663	0.000	0.056
90.00	-31.91	-4.74	0.00	-90.40	0.00	90.40	3072.82	1536.41	4374.90	2190.70	6.95	-0.675	0.000	0.052
95.00	-30.37	-4.57	0.00	-66.68	0.00	66.68	2962.29	1481.14	4064.20	2035.12	7.67	-0.693	0.000	0.043
96.75	-29.84	-4.51	0.00	-58.69	0.00	58.69	2923.60	1461.80	3958.16	1982.02	7.92	-0.698	0.000	0.040
97.00	-23.84	-3.64	0.00	-57.56	0.00	57.56	2918.07	1459.04	3943.13	1974.49	7.96	-0.699	0.000	0.037
100.00	-22.56	-3.53	0.00	-46.65	0.00	46.65	2851.75	1425.88	3764.95	1885.27	8.40	-0.707	0.000	0.033
101.00	-22.14	-3.49	0.00	-43.13	0.00	43.13	2368.11	1184.06	3175.34	1590.03	8.55	-0.710	0.000	0.036
105.00	-21.11	-3.35	0.00	-29.17	0.00	29.17	2314.44	1157.22	3007.53	1506.00	9.15	-0.718	0.000	0.028
107.00	-13.33	-2.22	0.00	-22.46	0.00	22.46	2287.16	1143.58	2924.72	1464.54	9.45	-0.722	0.000	0.021
110.00	-12.62	-2.12	0.00	-15.81	0.00	15.81	2242.90	1121.45	2798.47	1401.32	9.90	-0.726	0.000	0.017
115.00	-11.49	-1.95	0.00	-5.23	0.00	5.23	2150.79	1075.39	2572.22	1288.02	10.67	-0.730	0.000	0.009
117.00	-4.64	-0.68	0.00	-1.34	0.00	1.34	2113.94	1056.97	2484.39	1244.04	10.97	-0.731	0.000	0.003
118.00	-0.40	-0.06	0.00	-0.13	0.00	0.13	2095.52	1047.76	2441.04	1222.34	11.13	-0.731	0.000	0.000
120.00	0.00	-0.06	0.00	0.00	0.00	0.00	2058.68	1029.34	2355.50	1179.50	11.43	-0.731	0.000	0.000

Seismic Segment Forces (Factored)

Structure:	CT03801-S		**Code:**	EIA/TIA-222-G	11/4/2021
Site Name:	East Granby		**Exposure:**	C	
Height:	120.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 24

Load Case:	1.2D + 1.0E							**Iterations**	18
Gust Response Factor	1.10				**Sds**	0.19		**Ss**	0.18
Dead Load Factor	1.20	**Seismic Load Factor**	1.00		**Sd1**	0.10		**S1**	0.07
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.48		**SA**	0.05	**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		1116.2	0.00	0.04	0.02	17.96	
10.00		1090.9	0.01	0.06	0.03	25.31	
15.00		1065.6	0.03	0.07	0.04	28.22	
20.00		1040.3	0.05	0.07	0.04	29.32	
25.00		1015.0	0.08	0.07	0.04	29.81	
30.00		989.72	0.12	0.07	0.03	30.12	
31.25	Bot - Section 2	243.48	0.13	0.07	0.03	7.47	
35.00		1453.2	0.16	0.07	0.03	45.51	
37.50	Top - Section 1	953.02	0.18	0.06	0.03	30.09	
40.00		473.98	0.21	0.06	0.02	14.97	
45.00		928.97	0.27	0.05	0.02	28.38	
50.00		903.66	0.33	0.04	0.01	24.72	
55.00		878.35	0.40	0.02	0.01	18.72	
60.00		853.03	0.47	-0.01	0.01	10.48	
63.50	Bot - Section 3	582.06	0.53	-0.03	0.01	2.72	
65.00		495.87	0.55	-0.04	0.01	0.63	
68.75	Top - Section 2	1219.7	0.62	-0.06	0.02	-8.61	
70.00		202.03	0.64	-0.07	0.02	-1.94	
75.00		792.28	0.74	-0.10	0.04	-13.88	
80.00		766.97	0.84	-0.12	0.07	-15.38	
85.00		741.66	0.95	-0.12	0.11	-11.59	
87.00	Appurtenance(s)	3794.3	0.99	-0.11	0.13	-44.47	
90.00		426.77	1.06	-0.09	0.17	-1.49	
95.00		691.03	1.18	-0.01	0.24	11.50	
96.75	Bot - Section 4	235.88	1.23	0.03	0.28	6.04	
97.00	Appurtenance(s)	2420.9	1.23	0.04	0.28	65.31	
100.00		733.68	1.31	0.14	0.35	32.96	
101.00	Top - Section 3	240.85	1.34	0.18	0.37	12.42	
105.00		434.53	1.45	0.38	0.48	35.38	
107.00	Appurtenance(s)	2747.5	1.50	0.51	0.55	270.26	
110.00		311.98	1.59	0.74	0.65	39.40	
115.00		503.09	1.74	1.26	0.87	90.39	
117.00	Appurtenance(s)	3105.4	1.80	1.52	0.97	631.81	
118.00	Appurtenance(s)	1063.5	1.83	1.67	1.03	229.59	
120.00		190.27	1.89	1.98	1.14	46.00	
	Totals:	**34,706.3**				**1,718.1**	**Total Wind:** **27,530.7**

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

Calculated Forces

Structure:	CT03801-S		**Code:**	EIA/TIA-222-G	11/4/2021
Site Name:	East Granby		**Exposure:**	C	
Height:	120.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 25

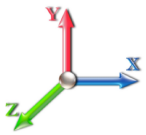
Load Case:	1.2D + 1.0E							**Iterations**	18
Gust Response Factor	1.10				**Sds**	0.19		**Ss**	0.18
Dead Load Factor	1.20	**Seismic Load Factor**	1.00		**Sd1**	0.10		**S1**	0.07
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.48		**SA**	0.05	**Seismic Importance Factor**		1.00

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	-47.33	-1.82	0.00	-182.37	0.00	182.37	4300.95	2150.48	9863.62	4939.14		0.00	0.00	0.048
5.00	-45.71	-1.81	0.00	-173.27	0.00	173.27	4244.87	2122.44	9515.28	4764.71		0.01	-0.01	0.047
10.00	-44.12	-1.79	0.00	-164.23	0.00	164.23	4186.95	2093.47	9168.70	4591.16		0.02	-0.02	0.046
15.00	-42.56	-1.77	0.00	-155.28	0.00	155.28	4127.17	2063.58	8824.15	4418.63		0.05	-0.03	0.045
20.00	-41.03	-1.75	0.00	-146.43	0.00	146.43	4065.54	2032.77	8481.93	4247.27		0.08	-0.04	0.045
25.00	-39.54	-1.72	0.00	-137.70	0.00	137.70	4002.06	2001.03	8142.33	4077.22		0.13	-0.05	0.044
30.00	-38.07	-1.70	0.00	-129.09	0.00	129.09	3936.72	1968.36	7805.63	3908.62		0.19	-0.06	0.043
31.25	-37.71	-1.69	0.00	-126.97	0.00	126.97	3920.10	1960.05	7721.94	3866.71		0.20	-0.06	0.042
35.00	-35.75	-1.65	0.00	-120.63	0.00	120.63	3869.54	1934.77	7472.12	3741.61		0.26	-0.07	0.041
37.50	-34.47	-1.62	0.00	-116.51	0.00	116.51	3876.34	1938.17	7505.32	3758.24		0.30	-0.08	0.040
40.00	-33.76	-1.61	0.00	-112.47	0.00	112.47	3842.15	1921.07	7339.67	3675.29		0.34	-0.08	0.039
45.00	-32.37	-1.58	0.00	-104.43	0.00	104.43	3772.37	1886.19	7011.11	3510.77		0.43	-0.09	0.038
50.00	-31.01	-1.56	0.00	-96.52	0.00	96.52	3700.74	1850.37	6686.43	3348.18		0.53	-0.10	0.037
55.00	-29.67	-1.55	0.00	-88.71	0.00	88.71	3627.26	1813.63	6365.91	3187.69		0.64	-0.11	0.036
60.00	-28.37	-1.54	0.00	-80.99	0.00	80.99	3551.93	1775.97	6049.85	3029.42		0.77	-0.12	0.035
63.50	-27.48	-1.53	0.00	-75.61	0.00	75.61	3498.10	1749.05	5831.41	2920.04		0.86	-0.13	0.034
65.00	-26.80	-1.53	0.00	-73.31	0.00	73.31	3474.75	1737.38	5738.53	2873.53		0.90	-0.13	0.033
68.75	-25.12	-1.53	0.00	-67.55	0.00	67.55	3463.02	1731.51	5692.26	2850.36		1.01	-0.14	0.031
70.00	-24.81	-1.53	0.00	-65.64	0.00	65.64	3443.36	1721.68	5615.39	2811.87		1.05	-0.14	0.031
75.00	-23.58	-1.54	0.00	-57.96	0.00	57.96	3363.59	1681.80	5311.20	2659.55		1.20	-0.15	0.029
80.00	-22.38	-1.54	0.00	-50.29	0.00	50.29	3281.97	1640.98	5012.43	2509.94		1.37	-0.16	0.027
85.00	-21.21	-1.53	0.00	-42.61	0.00	42.61	3183.35	1591.68	4697.05	2352.01		1.54	-0.17	0.025
87.00	-16.55	-1.52	0.00	-39.54	0.00	39.54	3139.14	1569.57	4566.82	2286.80		1.61	-0.17	0.023
90.00	-15.94	-1.52	0.00	-34.98	0.00	34.98	3072.82	1536.41	4374.90	2190.70		1.72	-0.18	0.021
95.00	-14.94	-1.51	0.00	-27.37	0.00	27.37	2962.29	1481.14	4064.20	2035.12		1.92	-0.19	0.018
96.75	-14.60	-1.50	0.00	-24.73	0.00	24.73	2923.60	1461.80	3958.16	1982.02		1.98	-0.19	0.017
97.00	-11.68	-1.43	0.00	-24.36	0.00	24.36	2918.07	1459.04	3943.13	1974.49		1.99	-0.19	0.016
100.00	-10.70	-1.39	0.00	-20.08	0.00	20.08	2851.75	1425.88	3764.95	1885.27		2.11	-0.19	0.014
101.00	-10.38	-1.38	0.00	-18.69	0.00	18.69	2368.11	1184.06	3175.34	1590.03		2.15	-0.19	0.016
105.00	-9.73	-1.34	0.00	-13.18	0.00	13.18	2314.44	1157.22	3007.53	1506.00		2.32	-0.20	0.013
107.00	-6.37	-1.06	0.00	-10.50	0.00	10.50	2287.16	1143.58	2924.72	1464.54		2.40	-0.20	0.010
110.00	-5.95	-1.02	0.00	-7.32	0.00	7.32	2242.90	1121.45	2798.47	1401.32		2.52	-0.20	0.008
115.00	-5.26	-0.93	0.00	-2.23	0.00	2.23	2150.79	1075.39	2572.22	1288.02		2.73	-0.20	0.004
117.00	-1.50	-0.28	0.00	-0.37	0.00	0.37	2113.94	1056.97	2484.39	1244.04		2.82	-0.20	0.001
118.00	-0.23	-0.05	0.00	-0.09	0.00	0.09	2095.52	1047.76	2441.04	1222.34		2.86	-0.20	0.000
120.00	0.00	-0.05	0.00	0.00	0.00	0.00	2058.68	1029.34	2355.50	1179.50		2.95	-0.20	0.000

Seismic Segment Forces (Factored)

Structure:	CT03801-S		**Code:**	EIA/TIA-222-G	11/4/2021
Site Name:	East Granby		**Exposure:**	C	
Height:	120.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 26

Load Case:	0.9D + 1.0E					**Iterations**	18
Gust Response Factor	1.10			**Sds**	0.19	**Ss**	0.18
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.10	**S1**	0.07
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.48	**SA**	0.05	**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		1116.2	0.00	0.04	0.02	17.96	
10.00		1090.9	0.01	0.06	0.03	25.31	
15.00		1065.6	0.03	0.07	0.04	28.22	
20.00		1040.3	0.05	0.07	0.04	29.32	
25.00		1015.0	0.08	0.07	0.04	29.81	
30.00		989.72	0.12	0.07	0.03	30.12	
31.25	Bot - Section 2	243.48	0.13	0.07	0.03	7.47	
35.00		1453.2	0.16	0.07	0.03	45.51	
37.50	Top - Section 1	953.02	0.18	0.06	0.03	30.09	
40.00		473.98	0.21	0.06	0.02	14.97	
45.00		928.97	0.27	0.05	0.02	28.38	
50.00		903.66	0.33	0.04	0.01	24.72	
55.00		878.35	0.40	0.02	0.01	18.72	
60.00		853.03	0.47	-0.01	0.01	10.48	
63.50	Bot - Section 3	582.06	0.53	-0.03	0.01	2.72	
65.00		495.87	0.55	-0.04	0.01	0.63	
68.75	Top - Section 2	1219.7	0.62	-0.06	0.02	-8.61	
70.00		202.03	0.64	-0.07	0.02	-1.94	
75.00		792.28	0.74	-0.10	0.04	-13.88	
80.00		766.97	0.84	-0.12	0.07	-15.38	
85.00		741.66	0.95	-0.12	0.11	-11.59	
87.00	Appurtenance(s)	3794.3	0.99	-0.11	0.13	-44.47	
90.00		426.77	1.06	-0.09	0.17	-1.49	
95.00		691.03	1.18	-0.01	0.24	11.50	
96.75	Bot - Section 4	235.88	1.23	0.03	0.28	6.04	
97.00	Appurtenance(s)	2420.9	1.23	0.04	0.28	65.31	
100.00		733.68	1.31	0.14	0.35	32.96	
101.00	Top - Section 3	240.85	1.34	0.18	0.37	12.42	
105.00		434.53	1.45	0.38	0.48	35.38	
107.00	Appurtenance(s)	2747.5	1.50	0.51	0.55	270.26	
110.00		311.98	1.59	0.74	0.65	39.40	
115.00		503.09	1.74	1.26	0.87	90.39	
117.00	Appurtenance(s)	3105.4	1.80	1.52	0.97	631.81	
118.00	Appurtenance(s)	1063.5	1.83	1.67	1.03	229.59	
120.00		190.27	1.89	1.98	1.14	46.00	
	Totals:	**34,706.3**				**1,718.1**	**Total Wind:** **27,530.7**

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

Calculated Forces

Structure:	CT03801-S		**Code:**	EIA/TIA-222-G	11/4/2021
Site Name:	East Granby		**Exposure:**	C	
Height:	120.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 27

Load Case:	0.9D + 1.0E							**Iterations**	18
Gust Response Factor	1.10			**Sds**	0.19			**Ss**	0.18
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.10			**S1**	0.07
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.48	**SA**	0.05	**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	-35.49	-1.82	0.00	-181.08	0.00	181.08	4300.95	2150.48	9863.62	4939.14		0.00	0.00	0.045
5.00	-34.28	-1.81	0.00	-171.99	0.00	171.99	4244.87	2122.44	9515.28	4764.71		0.01	-0.01	0.044
10.00	-33.09	-1.79	0.00	-162.96	0.00	162.96	4186.95	2093.47	9168.70	4591.16		0.02	-0.02	0.043
15.00	-31.92	-1.76	0.00	-154.03	0.00	154.03	4127.17	2063.58	8824.15	4418.63		0.05	-0.03	0.043
20.00	-30.78	-1.74	0.00	-145.22	0.00	145.22	4065.54	2032.77	8481.93	4247.27		0.08	-0.04	0.042
25.00	-29.65	-1.71	0.00	-136.53	0.00	136.53	4002.06	2001.03	8142.33	4077.22		0.13	-0.05	0.041
30.00	-28.55	-1.68	0.00	-127.97	0.00	127.97	3936.72	1968.36	7805.63	3908.62		0.19	-0.06	0.040
31.25	-28.28	-1.68	0.00	-125.86	0.00	125.86	3920.10	1960.05	7721.94	3866.71		0.20	-0.06	0.040
35.00	-26.82	-1.64	0.00	-119.56	0.00	119.56	3869.54	1934.77	7472.12	3741.61		0.26	-0.07	0.039
37.50	-25.85	-1.61	0.00	-115.48	0.00	115.48	3876.34	1938.17	7505.32	3758.24		0.29	-0.08	0.037
40.00	-25.32	-1.59	0.00	-111.46	0.00	111.46	3842.15	1921.07	7339.67	3675.29		0.33	-0.08	0.037
45.00	-24.28	-1.57	0.00	-103.49	0.00	103.49	3772.37	1886.19	7011.11	3510.77		0.43	-0.09	0.036
50.00	-23.25	-1.55	0.00	-95.65	0.00	95.65	3700.74	1850.37	6686.43	3348.18		0.53	-0.10	0.035
55.00	-22.25	-1.53	0.00	-87.92	0.00	87.92	3627.26	1813.63	6365.91	3187.69		0.64	-0.11	0.034
60.00	-21.28	-1.52	0.00	-80.27	0.00	80.27	3551.93	1775.97	6049.85	3029.42		0.76	-0.12	0.032
63.50	-20.61	-1.52	0.00	-74.95	0.00	74.95	3498.10	1749.05	5831.41	2920.04		0.85	-0.13	0.032
65.00	-20.10	-1.52	0.00	-72.67	0.00	72.67	3474.75	1737.38	5738.53	2873.53		0.89	-0.13	0.031
68.75	-18.84	-1.52	0.00	-66.98	0.00	66.98	3463.02	1731.51	5692.26	2850.36		1.00	-0.14	0.029
70.00	-18.61	-1.52	0.00	-65.08	0.00	65.08	3443.36	1721.68	5615.39	2811.87		1.04	-0.14	0.029
75.00	-17.69	-1.52	0.00	-57.49	0.00	57.49	3363.59	1681.80	5311.20	2659.55		1.19	-0.15	0.027
80.00	-16.79	-1.52	0.00	-49.90	0.00	49.90	3281.97	1640.98	5012.43	2509.94		1.36	-0.16	0.025
85.00	-15.91	-1.52	0.00	-42.30	0.00	42.30	3183.35	1591.68	4697.05	2352.01		1.53	-0.17	0.023
87.00	-12.41	-1.51	0.00	-39.27	0.00	39.27	3139.14	1569.57	4566.82	2286.80		1.60	-0.17	0.021
90.00	-11.95	-1.51	0.00	-34.74	0.00	34.74	3072.82	1536.41	4374.90	2190.70		1.71	-0.18	0.020
95.00	-11.20	-1.50	0.00	-27.20	0.00	27.20	2962.29	1481.14	4064.20	2035.12		1.90	-0.18	0.017
96.75	-10.95	-1.49	0.00	-24.58	0.00	24.58	2923.60	1461.80	3958.16	1982.02		1.97	-0.19	0.016
97.00	-8.76	-1.42	0.00	-24.21	0.00	24.21	2918.07	1459.04	3943.13	1974.49		1.98	-0.19	0.015
100.00	-8.03	-1.38	0.00	-19.96	0.00	19.96	2851.75	1425.88	3764.95	1885.27		2.10	-0.19	0.013
101.00	-7.79	-1.37	0.00	-18.58	0.00	18.58	2368.11	1184.06	3175.34	1590.03		2.14	-0.19	0.015
105.00	-7.30	-1.33	0.00	-13.10	0.00	13.10	2314.44	1157.22	3007.53	1506.00		2.30	-0.19	0.012
107.00	-4.78	-1.05	0.00	-10.44	0.00	10.44	2287.16	1143.58	2924.72	1464.54		2.38	-0.20	0.009
110.00	-4.46	-1.01	0.00	-7.28	0.00	7.28	2242.90	1121.45	2798.47	1401.32		2.50	-0.20	0.007
115.00	-3.94	-0.92	0.00	-2.21	0.00	2.21	2150.79	1075.39	2572.22	1288.02		2.71	-0.20	0.004
117.00	-1.13	-0.28	0.00	-0.37	0.00	0.37	2113.94	1056.97	2484.39	1244.04		2.80	-0.20	0.001
118.00	-0.17	-0.05	0.00	-0.09	0.00	0.09	2095.52	1047.76	2441.04	1222.34		2.84	-0.20	0.000
120.00	0.00	-0.05	0.00	0.00	0.00	0.00	2058.68	1029.34	2355.50	1179.50		2.92	-0.20	0.000

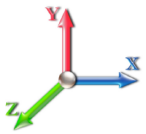
Wind Loading - Shaft

Structure:	CT03801-S	**Code:**	EIA/TIA-222-G	11/4/2021	
Site Name:	East Granby	**Exposure:**	C		
Height:	120.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 28	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 19

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	262.71	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	7.442	8.19	256.86	0.650	0.000	5.00	23.482	15.26	124.9	0.0	1116.3
10.00		1.00	0.85	7.442	8.19	251.01	0.650	0.000	5.00	22.953	14.92	122.1	0.0	1091.0
15.00		1.00	0.85	7.442	8.19	245.16	0.650	0.000	5.00	22.424	14.58	119.3	0.0	1065.7
20.00		1.00	0.90	7.896	8.69	246.51	0.650	0.000	5.00	21.895	14.23	123.6	0.0	1040.3
25.00		1.00	0.95	8.276	9.10	246.19	0.650	0.000	5.00	21.366	13.89	126.4	0.0	1015.0
30.00		1.00	0.98	8.600	9.46	244.68	0.650	0.000	5.00	20.837	13.54	128.1	0.0	989.7
31.25	Bot - Section 2	1.00	0.99	8.674	9.54	244.15	0.650	0.000	1.25	5.127	3.33	31.8	0.0	243.5
35.00		1.00	1.01	8.883	9.77	242.28	0.650	0.000	3.75	15.420	10.02	97.9	0.0	1453.3
37.50	Top - Section 1	1.00	1.03	9.013	9.91	240.83	0.650	0.000	2.50	10.115	6.57	65.2	0.0	953.0
40.00		1.00	1.04	9.137	10.05	243.12	0.650	0.000	2.50	9.982	6.49	65.2	0.0	474.0
45.00		1.00	1.07	9.366	10.30	239.59	0.650	0.000	5.00	19.568	12.72	131.0	0.0	929.0
50.00		1.00	1.09	9.576	10.53	235.62	0.650	0.000	5.00	19.039	12.38	130.4	0.0	903.7
55.00		1.00	1.12	9.770	10.75	231.30	0.650	0.000	5.00	18.510	12.03	129.3	0.0	878.3
60.00		1.00	1.14	9.951	10.95	226.66	0.650	0.000	5.00	17.982	11.69	127.9	0.0	853.0
63.50	Bot - Section 3	1.00	1.15	10.070	11.08	223.25	0.650	0.000	3.50	12.272	7.98	88.4	0.0	582.1
65.00		1.00	1.16	10.120	11.13	221.75	0.650	0.000	1.50	5.275	3.43	38.2	0.0	495.9
68.75	Top - Section 2	1.00	1.17	10.240	11.26	217.92	0.650	0.000	3.75	12.980	8.44	95.0	0.0	1219.7
70.00		1.00	1.17	10.279	11.31	220.74	0.650	0.000	1.25	4.261	2.77	31.3	0.0	202.0
75.00		1.00	1.19	10.430	11.47	215.42	0.650	0.000	5.00	16.712	10.86	124.6	0.0	792.3
80.00		1.00	1.21	10.572	11.63	209.92	0.650	0.000	5.00	16.183	10.52	122.3	0.0	767.0
85.00		1.00	1.22	10.708	11.78	204.24	0.650	0.000	5.00	15.654	10.18	119.9	0.0	741.7
87.00	Appurtenance(s)	1.00	1.23	10.761	11.84	201.93	0.650	0.000	2.00	6.114	3.97	47.0	0.0	289.6
90.00		1.00	1.24	10.838	11.92	198.41	0.650	0.000	3.00	9.012	5.86	69.8	0.0	426.8
95.00		1.00	1.25	10.962	12.06	192.44	0.650	0.000	5.00	14.597	9.49	114.4	0.0	691.0
96.75	Bot - Section 4	1.00	1.26	11.004	12.10	190.32	0.650	0.000	1.75	4.984	3.24	39.2	0.0	235.9
97.00	Appurtenance(s)	1.00	1.26	11.010	12.11	190.02	0.650	0.000	0.25	0.720	0.47	5.7	0.0	61.9
100.00		1.00	1.27	11.081	12.19	186.35	0.650	0.000	3.00	8.536	5.55	67.6	0.0	733.7
101.00	Top - Section 3	1.00	1.27	11.104	12.21	185.11	0.650	0.000	1.00	2.803	1.82	22.3	0.0	240.8
105.00		1.00	1.28	11.195	12.31	183.72	0.650	0.000	4.00	11.000	7.15	88.1	0.0	434.5
107.00	Appurtenance(s)	1.00	1.28	11.240	12.36	181.21	0.650	0.000	2.00	5.373	3.49	43.2	0.0	212.2
110.00		1.00	1.29	11.305	12.44	177.41	0.650	0.000	3.00	7.901	5.14	63.9	0.0	312.0
115.00		1.00	1.30	11.412	12.55	170.99	0.650	0.000	5.00	12.746	8.28	104.0	0.0	503.1
117.00	Appurtenance(s)	1.00	1.31	11.453	12.60	168.40	0.650	0.000	2.00	4.950	3.22	40.5	0.0	195.3
118.00	Appurtenance(s)	1.00	1.31	11.474	12.62	167.10	0.650	0.000	1.00	2.443	1.59	20.0	0.0	96.4
120.00		1.00	1.32	11.514	12.67	164.48	0.650	0.000	2.00	4.823	3.14	39.7	0.0	190.3
								Totals:	**120.00**			**2,908.5**		**22,429.9**

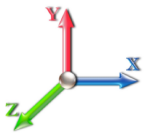
Discrete Appurtenance Forces

Structure:	CT03801-S	**Code:**	EIA/TIA-222-G	11/4/2021	
Site Name:	East Granby	**Exposure:**	C		
Height:	120.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 29	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 19

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	CaAa 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	118.00	Samsung RF4440d-13A	3	11.494	12.643	0.60	0.75	3.37	210.99	0.000	1.000	42.56	0.00	42.56
2	118.00	Samsung RF4439d-25A	3	11.494	12.643	0.63	0.75	3.53	224.10	0.000	1.000	44.69	0.00	44.69
3	118.00	Samsung MT6407-77A	3	11.494	12.643	0.52	0.75	7.39	238.20	0.000	1.000	93.39	0.00	93.39
4	118.00	Commscope	6	11.494	12.643	0.62	0.75	30.07	261.90	0.000	1.000	380.15	0.00	380.15
5	118.00	Raycap 12 OVP	1	11.494	12.643	0.75	0.75	3.04	32.00	0.000	1.000	38.50	0.00	38.50
6	117.00	Andrew	3	11.453	12.598	0.77	1.00	19.75	122.10	0.000	0.000	248.83	0.00	0.00
7	117.00	VZW MOD	1	11.453	12.598	1.00	1.00	26.01	1200.00	0.000	0.000	327.69	0.00	0.00
8	117.00	Commscope	3	11.453	12.598	1.00	1.00	0.00	78.00	0.000	0.000	0.00	0.00	0.00
9	117.00	Lucent KS24019-L112A	1	11.453	12.598	0.50	1.00	0.50	10.00	0.000	0.000	6.30	0.00	0.00
10	117.00	Low Profile	1	11.453	12.598	1.00	1.00	22.00	1500.00	0.000	0.000	277.17	0.00	0.00
11	107.00	MS-KI22-5 (Kickers w/o	1	11.240	12.364	1.00	1.00	5.33	146.00	0.000	0.000	65.90	0.00	0.00
12	107.00	4449	3	11.240	12.364	0.50	0.75	2.49	210.00	0.000	0.000	30.75	0.00	0.00
13	107.00	KRY 112 489/2	6	11.240	12.364	0.50	0.75	0.03	0.60	0.000	0.000	0.37	0.00	0.00
14	107.00	KRY 112 144/1	3	11.240	12.364	0.50	0.75	0.62	33.00	0.000	0.000	7.64	0.00	0.00
15	107.00	HRK12 (Handrail Kit)	1	11.240	12.364	1.00	1.00	6.75	261.72	0.000	0.000	83.45	0.00	0.00
16	107.00	APXVAARR24_43-U-NA2	3	11.240	12.364	0.52	0.75	31.88	384.00	0.000	0.000	394.13	0.00	0.00
17	107.00	Low Profile	1	11.240	12.364	1.00	1.00	22.00	1500.00	0.000	0.000	272.00	0.00	0.00
18	97.00	MX08FRO665-21	3	11.010	12.111	0.55	0.75	20.80	193.50	0.000	0.000	251.86	0.00	0.00
19	97.00	TA08025-B604	3	11.010	12.111	0.50	0.75	2.95	191.70	0.000	0.000	35.78	0.00	0.00
20	97.00	TA08025-B605	3	11.010	12.111	0.50	0.75	2.95	225.00	0.000	0.000	35.78	0.00	0.00
21	97.00	MC-PK8-DSH	1	11.010	12.111	1.00	1.00	22.94	1727.00	0.000	0.000	277.82	0.00	0.00
22	97.00	RDIDC-9181-PF-48	1	11.010	12.111	0.75	0.75	1.51	21.90	0.000	0.000	18.26	0.00	0.00
23	87.00	HRK12 (Handrail Kit)	1	10.761	11.837	1.00	1.00	6.75	261.72	0.000	0.000	79.90	0.00	0.00
24	87.00	7770.00	3	10.761	11.837	0.55	0.75	9.03	105.00	0.000	0.000	106.93	0.00	0.00
25	87.00	HPA-65R-BUU-H8	3	10.761	11.837	0.59	0.75	23.07	204.00	0.000	0.000	273.09	0.00	0.00
26	87.00	800 10966	3	10.761	11.837	0.54	0.75	28.12	377.10	0.000	0.000	332.88	0.00	0.00
27	87.00	Low Profile	1	10.761	11.837	1.00	1.00	22.00	1500.00	0.000	0.000	260.41	0.00	0.00
28	87.00	PRK-1245 (kicker kit)	1	10.761	11.837	1.00	1.00	9.50	464.91	0.000	0.000	112.45	0.00	0.00
29	87.00	B2 B66A 8843	3	10.761	11.837	0.64	0.75	3.14	210.00	0.000	0.000	37.13	0.00	0.00
30	87.00	TT19-08BP111-001	6	10.761	11.837	0.68	0.75	2.59	96.00	0.000	0.000	30.68	0.00	0.00
31	87.00	LGP21903	6	10.761	11.837	0.63	0.75	1.02	33.00	0.000	0.000	12.08	0.00	0.00
32	87.00	4449 B5/B12	3	10.761	11.837	0.65	0.75	3.81	213.00	0.000	0.000	45.12	0.00	0.00
33	87.00	DC6-48-60-18-8F(23.5"	1	10.761	11.837	1.00	1.00	1.26	20.00	0.000	0.000	14.91	0.00	0.00
34	87.00	DC6-48-60-18-8C	1	10.761	11.837	1.00	1.00	1.26	20.00	0.000	0.000	14.91	0.00	0.00
							Totals:		**12,276.44**			**4,253.51**		

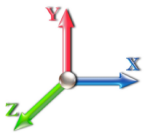
Total Applied Force Summary

Structure:	CT03801-S		**Code:**	EIA/TIA-222-G	11/4/2021
Site Name:	East Granby		**Exposure:**	C	
Height:	120.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 30

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 19

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		124.95	1348.63	0.00	0.00
10.00		122.13	1323.32	0.00	0.00
15.00		119.32	1298.01	0.00	0.00
20.00		123.61	1272.70	0.00	0.00
25.00		126.43	1247.38	0.00	0.00
30.00		128.13	1222.07	0.00	0.00
31.25		31.80	301.56	0.00	0.00
35.00		97.94	1627.52	0.00	0.00
37.50		65.18	1069.19	0.00	0.00
40.00		65.21	590.15	0.00	0.00
45.00		131.04	1161.32	0.00	0.00
50.00		130.36	1136.01	0.00	0.00
55.00		129.31	1110.70	0.00	0.00
60.00		127.94	1085.38	0.00	0.00
63.50		88.37	744.71	0.00	0.00
65.00		38.17	565.58	0.00	0.00
68.75		95.04	1394.01	0.00	0.00
70.00		31.31	260.11	0.00	0.00
75.00		124.63	1024.63	0.00	0.00
80.00		122.33	999.32	0.00	0.00
85.00		119.85	974.01	0.00	0.00
87.00	(32) attachments	1367.53	3887.25	0.00	0.00
90.00		69.83	511.25	0.00	0.00
95.00		114.40	831.83	0.00	0.00
96.75		39.21	285.16	0.00	0.00
97.00	(11) attachments	625.17	2428.03	0.00	0.00
100.00		67.63	815.16	0.00	0.00
101.00		22.25	268.01	0.00	0.00
105.00		88.05	543.17	0.00	0.00
107.00	(18) attachments	897.43	2801.84	0.00	0.00
110.00		63.87	352.90	0.00	0.00
115.00		104.00	571.29	0.00	0.00
117.00	(9) attachments	900.51	3132.71	0.00	0.00
118.00	(16) attachments	619.33	1063.59	0.00	599.29
120.00		39.71	190.27	0.00	0.00
	Totals:	**7,162.00**	**39,438.79**	**0.00**	**599.29**

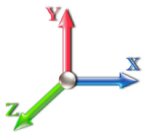
Linear Appurtenance Segment Forces (Factored)

Structure:	CT03801-S	**Code:**	EIA/TIA-222-G	11/4/2021	
Site Name:	East Granby	**Exposure:**	C		
Height:	120.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 31	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 19

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
5.00	1.6" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.028	0.000	7.442	0.00	5.00
10.00	1.6" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.029	0.000	7.442	0.00	5.00
15.00	1.6" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.030	0.000	7.442	0.00	5.00
20.00	1.6" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.030	0.000	7.896	0.00	5.00
25.00	1.6" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.031	0.000	8.276	0.00	5.00
30.00	1.6" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.032	0.000	8.600	0.00	5.00
31.25	1.6" Hybrid	Yes	1.25	0.000	1.60	0.17	0.00	0.033	0.000	8.674	0.00	1.25
35.00	1.6" Hybrid	Yes	3.75	0.000	1.60	0.50	0.00	0.033	0.000	8.883	0.00	3.75
37.50	1.6" Hybrid	Yes	2.50	0.000	1.60	0.33	0.00	0.033	0.000	9.013	0.00	2.50
40.00	1.6" Hybrid	Yes	2.50	0.000	1.60	0.33	0.00	0.033	0.000	9.137	0.00	2.50
45.00	1.6" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.034	0.000	9.366	0.00	5.00
50.00	1.6" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.035	0.000	9.576	0.00	5.00
55.00	1.6" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.036	0.000	9.770	0.00	5.00
60.00	1.6" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.037	0.000	9.951	0.00	5.00
63.50	1.6" Hybrid	Yes	3.50	0.000	1.60	0.47	0.00	0.038	0.000	10.070	0.00	3.50
65.00	1.6" Hybrid	Yes	1.50	0.000	1.60	0.20	0.00	0.039	0.000	10.120	0.00	1.50
68.75	1.6" Hybrid	Yes	3.75	0.000	1.60	0.50	0.00	0.039	0.000	10.240	0.00	3.75
70.00	1.6" Hybrid	Yes	1.25	0.000	1.60	0.17	0.00	0.039	0.000	10.279	0.00	1.25
75.00	1.6" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.040	0.000	10.430	0.00	5.00
80.00	1.6" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.041	0.000	10.572	0.00	5.00
85.00	1.6" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.043	0.000	10.708	0.00	5.00
87.00	1.6" Hybrid	Yes	2.00	0.000	1.60	0.27	0.00	0.044	0.000	10.761	0.00	2.00
90.00	1.6" Hybrid	Yes	3.00	0.000	1.60	0.40	0.00	0.044	0.000	10.838	0.00	3.00
95.00	1.6" Hybrid	Yes	5.00	0.000	1.60	0.67	0.00	0.046	0.000	10.962	0.00	5.00
96.75	1.6" Hybrid	Yes	1.75	0.000	1.60	0.23	0.00	0.047	0.000	11.004	0.00	1.75
97.00	1.6" Hybrid	Yes	0.25	0.000	1.60	0.03	0.00	0.047	0.000	11.010	0.00	0.25
										Totals:	**0.0**	**97.0**

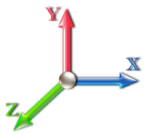
Calculated Forces

Structure:	CT03801-S	**Code:**	EIA/TIA-222-G	11/4/2021	
Site Name:	East Granby	**Exposure:**	C		
Height:	120.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 32	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 19

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	-39.44	-7.17	0.00	-626.83	0.00	626.83	4300.95	2150.48	9863.62	4939.14	0.00	0.000	0.000	0.136
5.00	-38.08	-7.07	0.00	-590.96	0.00	590.96	4244.87	2122.44	9515.28	4764.71	0.02	-0.033	0.000	0.133
10.00	-36.76	-6.97	0.00	-555.61	0.00	555.61	4186.95	2093.47	9168.70	4591.16	0.07	-0.067	0.000	0.130
15.00	-35.45	-6.87	0.00	-520.77	0.00	520.77	4127.17	2063.58	8824.15	4418.63	0.16	-0.100	0.000	0.126
20.00	-34.18	-6.76	0.00	-486.43	0.00	486.43	4065.54	2032.77	8481.93	4247.27	0.28	-0.134	0.000	0.123
25.00	-32.93	-6.65	0.00	-452.62	0.00	452.62	4002.06	2001.03	8142.33	4077.22	0.44	-0.168	0.000	0.119
30.00	-31.70	-6.53	0.00	-419.36	0.00	419.36	3936.72	1968.36	7805.63	3908.62	0.64	-0.202	0.000	0.115
31.25	-31.40	-6.51	0.00	-411.20	0.00	411.20	3920.10	1960.05	7721.94	3866.71	0.69	-0.211	0.000	0.114
35.00	-29.77	-6.41	0.00	-386.79	0.00	386.79	3869.54	1934.77	7472.12	3741.61	0.87	-0.237	0.000	0.111
37.50	-28.70	-6.35	0.00	-370.76	0.00	370.76	3876.34	1938.17	7505.32	3758.24	1.00	-0.254	0.000	0.106
40.00	-28.11	-6.30	0.00	-354.87	0.00	354.87	3842.15	1921.07	7339.67	3675.29	1.13	-0.271	0.000	0.104
45.00	-26.94	-6.18	0.00	-323.38	0.00	323.38	3772.37	1886.19	7011.11	3510.77	1.44	-0.303	0.000	0.099
50.00	-25.80	-6.05	0.00	-292.50	0.00	292.50	3700.74	1850.37	6686.43	3348.18	1.77	-0.335	0.000	0.094
55.00	-24.69	-5.93	0.00	-262.24	0.00	262.24	3627.26	1813.63	6365.91	3187.69	2.14	-0.365	0.000	0.089
60.00	-23.60	-5.81	0.00	-232.59	0.00	232.59	3551.93	1775.97	6049.85	3029.42	2.54	-0.395	0.000	0.083
63.50	-22.86	-5.72	0.00	-212.27	0.00	212.27	3498.10	1749.05	5831.41	2920.04	2.83	-0.416	0.000	0.079
65.00	-22.29	-5.68	0.00	-203.69	0.00	203.69	3474.75	1737.38	5738.53	2873.53	2.97	-0.425	0.000	0.077
68.75	-20.90	-5.58	0.00	-182.39	0.00	182.39	3463.02	1731.51	5692.26	2850.36	3.31	-0.446	0.000	0.070
70.00	-20.64	-5.55	0.00	-175.41	0.00	175.41	3443.36	1721.68	5615.39	2811.87	3.43	-0.453	0.000	0.068
75.00	-19.61	-5.43	0.00	-147.64	0.00	147.64	3363.59	1681.80	5311.20	2659.55	3.91	-0.477	0.000	0.061
80.00	-18.61	-5.30	0.00	-120.50	0.00	120.50	3281.97	1640.98	5012.43	2509.94	4.43	-0.499	0.000	0.054
85.00	-17.64	-5.18	0.00	-93.98	0.00	93.98	3183.35	1591.68	4697.05	2352.01	4.96	-0.519	0.000	0.046
87.00	-13.76	-3.78	0.00	-83.62	0.00	83.62	3139.14	1569.57	4566.82	2286.80	5.18	-0.526	0.000	0.041
90.00	-13.25	-3.71	0.00	-72.29	0.00	72.29	3072.82	1536.41	4374.90	2190.70	5.51	-0.536	0.000	0.037
95.00	-12.42	-3.59	0.00	-53.75	0.00	53.75	2962.29	1481.14	4064.20	2035.12	6.08	-0.550	0.000	0.031
96.75	-12.13	-3.55	0.00	-47.48	0.00	47.48	2923.60	1461.80	3958.16	1982.02	6.29	-0.555	0.000	0.028
97.00	-9.71	-2.90	0.00	-46.59	0.00	46.59	2918.07	1459.04	3943.13	1974.49	6.31	-0.555	0.000	0.027
100.00	-8.90	-2.82	0.00	-37.90	0.00	37.90	2851.75	1425.88	3764.95	1885.27	6.67	-0.562	0.000	0.023
101.00	-8.63	-2.80	0.00	-35.07	0.00	35.07	2368.11	1184.06	3175.34	1590.03	6.78	-0.564	0.000	0.026
105.00	-8.09	-2.71	0.00	-23.88	0.00	23.88	2314.44	1157.22	3007.53	1506.00	7.26	-0.571	0.000	0.019
107.00	-5.29	-1.78	0.00	-18.47	0.00	18.47	2287.16	1143.58	2924.72	1464.54	7.50	-0.574	0.000	0.015
110.00	-4.94	-1.71	0.00	-13.13	0.00	13.13	2242.90	1121.45	2798.47	1401.32	7.86	-0.577	0.000	0.012
115.00	-4.37	-1.60	0.00	-4.56	0.00	4.56	2150.79	1075.39	2572.22	1288.02	8.47	-0.581	0.000	0.006
117.00	-1.25	-0.67	0.00	-1.35	0.00	1.35	2113.94	1056.97	2484.39	1244.04	8.71	-0.581	0.000	0.002
118.00	-0.19	-0.04	0.00	-0.08	0.00	0.08	2095.52	1047.76	2441.04	1222.34	8.83	-0.582	0.000	0.000
120.00	0.00	-0.04	0.00	0.00	0.00	0.00	2058.68	1029.34	2355.50	1179.50	9.08	-0.582	0.000	0.000

Final Analysis Summary

Structure:	CT03801-S		**Code:**	EIA/TIA-222-G	11/4/2021
Site Name:	East Granby		**Exposure:**	C	
Height:	120.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 33

Reactions

Load Case	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)
1.2D + 1.6W 93 mph Wind	27.6	0.00	47.29	0.00	0.00	2419.63
0.9D + 1.6W 93 mph Wind	27.6	0.00	35.46	0.00	0.00	2403.82
1.2D + 1.0Di + 1.0Wi 50 mph Wind	9.0	0.00	80.73	0.00	0.00	790.26
1.2D + 1.0E	1.8	0.00	47.33	0.00	0.00	182.37
0.9D + 1.0E	1.8	0.00	35.49	0.00	0.00	181.08
1.0D + 1.0W 60 mph Wind	7.2	0.00	39.44	0.00	0.00	626.83

Max Stresses

Load Case	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Elev (ft)	Stress Ratio
1.2D + 1.6W 93 mph Wind	-47.29	-27.59	0.00	-2419.6	0.00	-2419.6	4300.95	2150.4	9863.62	4939.14	0.00	0.501
0.9D + 1.6W 93 mph Wind	-35.46	-27.57	0.00	-2403.8	0.00	-2403.8	4300.95	2150.4	9863.62	4939.14	0.00	0.495
1.2D + 1.0Di + 1.0Wi 50 mph Wind	-80.73	-9.00	0.00	-790.26	0.00	-790.26	4300.95	2150.4	9863.62	4939.14	0.00	0.179
1.2D + 1.0E	-47.33	-1.82	0.00	-182.37	0.00	-182.37	4300.95	2150.4	9863.62	4939.14	0.00	0.048
0.9D + 1.0E	-35.49	-1.82	0.00	-181.08	0.00	-181.08	4300.95	2150.4	9863.62	4939.14	0.00	0.045
1.0D + 1.0W 60 mph Wind	-39.44	-7.17	0.00	-626.83	0.00	-626.83	4300.95	2150.4	9863.62	4939.14	0.00	0.136

Base Plate Summary

Structure:	CT03801-S		**Code:**	EIA/TIA-222-G	11/4/2021
Site Name:	East Granby		**Exposure:**	C	
Height:	120.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 34

Reactions		Base Plate		Anchor Bolts	
Original Design		**Yield (ksi):**	50.00	**Bolt Circle:**	61.00
Moment (kip-ft):	3719.37	**Width (in):**	65.00	**Number Bolts:**	39.00
Axial (kip):	37.44	**Style:**	Round	**Bolt Type:**	1.25" A687
Shear (kip):	37.03	**Polygon Sides:**	0.00	**Bolt Diameter (in):**	1.25
Analysis		**Clip Length (in):**	0.00	**Yield (ksi):**	105.00
Moment (kip-ft):	2419.63	**Effective Len (in):**	8.03	**Ultimate (ksi):**	150.00
Axial (kip):	47.29	**Moment (kip-in):**	124.04	**Arrangement:**	Radial
Shear (kip):	27.59	**Allow Stress (ksi):**	67.50	**Cluster Dist (in):**	0.00
		Applied Stress (ksi):	41.17	**Start Angle (deg):**	0.00
Moment Design %:	65.05	**Stress Ratio:**	0.61	Compression	
				Force (kip):	50.89
				Allowable (kip):	116.40
				Ratio:	0.45
				Tension	
				Force (kip):	46.75
				Allowable (kip):	116.40
				Ratio:	0.41

Monopole Mat Foundation Design

			Date: 11/4/2021
Customer Name:	Verizon	**EIA/TIA Standard:**	EIA-222-G
Site Name:	East Granby	**Structure Height (Ft.):**	120
Site Number:	CT03801-S	**Engineer Name:**	S. Berthomieux
Engr. Number:		**Engineer Login ID:**	

Foundation Info Obtained from: Drawings/Calculations

Structure Type: Monopole

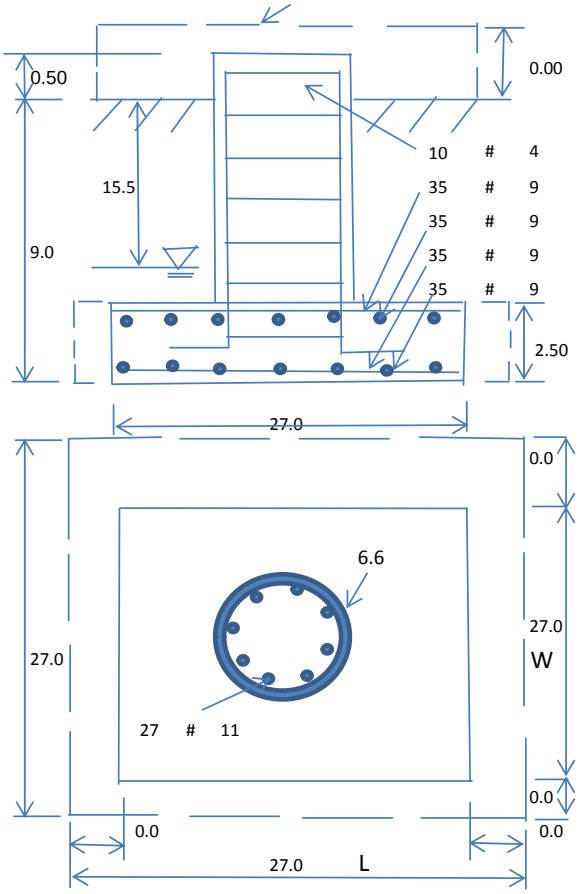
Analysis or Design? Analysis

Base Reactions (Factored):

Axial Load (Kips):	47.3	Shear Force (Kips):	27.6
Uplift Force (Kips):	0.0	Moment (Kips-ft):	2419.6
Allowable overstress %:	5.0%		

Foundation Geometries:

		Mods required -Yes/No ?:	No
Diameter of Pier (ft.):	6.6	Depth of Base BG (ft.):	9.0
Pier Height A. G. (ft.):	0.50	Thickness of Pad (ft):	2.50
Length of Pad (ft.):	27	Width of Pad (ft.):	27
Final Length of pad (ft)	27.0	Final width of pad (ft):	27.0



Material Properties and Reabr Info:

Concrete Strength (psi):	4000	Steel Elastic Modulus:	29000	ksi
Vertical bar yield (ksi)	60	Tie steel yield (ksi):	60	
Vertical Rebar Size #:	11	Tie / Stirrup Size #:	4	
Qty. of Vertical Rebars:	27	Tie Spacing (in):	12.0	
Pad Rebar Yield (Ksi):	60	Pad Steel Rebar Size (#):	9	
Concrete Cover (in.):	3	Unit Weight of Concrete:	150.0	pcf

Rebar at the bottom of the concrete pad:

Qty. of Rebar in Pad (L):	35	Qty. of Rebar in Pad (W):	35

Rebar at the top of the concrete pad:

Qty. of Rebar in Pad (L):	35	Qty. of Rebar in Pad (W):	35
Apply 1.35 factor for e/w Per G:	1.35		

Soil Design Parameters:

Soil Unit Weight (pcf):	110.0	Soil Buoyant Weight:	47.5	Pcf		
Water Table B.G.S. (ft):	15.5	Unit Weight of Water:	62.4	pcf	Angle from Top of Pad:	30
Ultimate Bearing Pressure (psf):	5000	Ultimate Skin Friction:	0	Psf	Angle from Bottm of Pad:	25
Consider Friction for O.T.M. (Y/N):	No	Consider Friction for bearing (Y/N):	No		Angle from Bottm of Pad:	25
Consider soil hor. resist. for OTM.:	No	Reduction factor on the maximum soil bearing pressure:	1.00			

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

Total Dry Soil Volume (cu. Ft.):	4516.12	Total Dry Soil Weight (Kips):	496.77
Total Buoyant Soil Volume (cu. Ft.):	0.00	Total Buoyant Soil Weight (Kips):	0.00
Total Effective Soil Weight (Kips):	496.77	Weight from the Concrete Block at Top (K):	0.00
Total Dry Concrete Volume (cu. Ft.):	2061.98	Total Dry Concrete Weight (Kips):	309.30
Total Buoyant Concrete Volume (cu. Ft.):	0.00	Total Buoyant Concrete Weight (Kips):	0.00
Total Effective Concrete Weight (Kips):	309.30	Total Vertical Load on Base (Kips):	853.36

Check Soil Capacities:

				Load/ Capacity Ratio	
Calculated Maxium Net Soil Pressure under the base (psf):	1728	<	Allowable Factored Soil Bearing (psf): 3750	0.46	OK!
Allowable Foundation Overturning Resistance (kips-ft.):	10432.2	>	Design Factored Momont (kips-ft): 2682	0.26	OK!
Factor of Safety Against Overturning (O. R. Moment/Design Moment):	3.89	OK!			

Check the capacities of Reinforceing Concrete:

Strength reduction factor (Flexure and axial tension):	0.90	Strength reduction factor (Shear):	0.75		
Strength reduction factor (Axial compresion):	0.65	Wind Load Factor on Concrete Design:	1.00		

(1) Concrete Pier:

				Load/ Capacity Ratio	
Vertical Steel Rebar Area (sq. in./each):	1.56		Tie / Stirrup Area (sq. in./each): 0.20		
Calculated Moment Capacity (Mn,Kips-Ft):	6369.2	>	Design Factored Moment (Mu, Kips-Ft	0.41	OK!
Calculated Shear Capacity (Kips):	594.1	>	Design Factored Shear (Kips): 27.6	0.05	OK!
Calculated Tension Capacity (Tn, Kips):	2274.5	>	Design Factored Tension (Tu Kips): 0.0	0.00	OK!
Calculated Compression Capacity (Pn, Kips):	8635.6	>	Design Factored Axial Load (Pu Kips): 47.3	0.01	OK!
Moment & Axial Strength Combination:	0.41	OK!	Check Tie Spacing (Design/Required):	1	OK!
Pier Reinforcement Ratio:	0.009	Reinforcement Ratio is satisfied per ACI			

(2).Concrete Pad:

One-Way Design Shear Capacity (L-Direction, Kips):	812.6	>	One-Way Factored Shear (L-D. Kips): 223.7	0.28	OK!
One-Way Design Shear Capacity (W-Direction, Kips):	812.6	>	One-Way Factored Shear (W-D., Kips) 223.7	0.28	OK!
One-Way Design Shear Capacity (Corner-Corner. Kips):	818.0	>	One-Way Factored Shear (C-C, Kips): 200.0	0.24	OK!
Lower Steel Pad Reinforcement Ratio (L-Direct.):	0.0041	OK!	Lower Steel Pad Reinf. Ratio (W-Direc 0.0041		
Lower Steel Pad Moment Capacity (L-Direction. Kips-ft):	4013.8	>	Moment at Bottom (L-Dir. K-Ft): 1315.8	0.33	OK!
Lower Steel Pad Moment Capacity (W-Direction. Kips-ft):	4013.8	>	Moment at Bottom (W-Dir. K-Ft): 1315.8	0.33	OK!
Lower Steel Pad Moment Capacity (Corner-Corner,K-ft):	5632.0	>	Moment at Bottom (C-C Dir. K-Ft): 1860.9	0.33	OK!
Upper Steel Pad Reinforcement Ratio (L-Direct.):	0.0041	OK!	Upper Steel Reinf. Ratio (W-Dir.): 0.0041		
Upper Steel Pad Moment Capacity (L-Direc. Kips-ft):	4013.8	>	Moment at the top (L-Dir K-Ft): 472.3	0.12	OK!
Upper Steel Pad Moment Capacity (W-Direc. Kips-ft):	4013.8	>	Moment at the top (W-Dir K-Ft): 472.3	0.12	OK!
Upper Steel Pad Moment Capacity (Corner-Corner. K-ft):	5632.0	>	Moment at the top (C-C Dir. K-Ft): 441.4	0.08	OK!

(3).Check Punching Shear Capacity due to Moment in the Pier:

Moment transferred by punching shear:	967.9	k-ft.	Max. factored shear stress v_{u_CD}:	2.0	Psi
Max. factored shear stress v_{u_AB}:	10.6	Psi	Factored shear Strength ϕv_n:	189.7	Psi
Max. factored shear stress v_u:	10.6	Psi	Check Usage of Punching Shear Capacity:	0.06	OK!

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Post-Modification Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10101462
Maser Consulting Connecticut Project #: 21777107A (Rev. 1)

November 3, 2021

Site Information	*Site ID:*	*468906-VZW / E GRANBY 2 CT*
	Site Name:	*E GRANBY 2 CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*56 Floydville Road*
		East Granby, Connecticut 06026
		Hartford County
	Latitude:	*41.928650°*
	Longitude:	*-72.776100°*
Structure Information	*Tower Type:*	*120-Ft Monopole*
	Mount Type:	*13.67-Ft Platform*

FUZE ID # 16272242

Analysis Results

Platform: **69.4% 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
For additional questions and support, please reach out to:
pmisupport@colliersengineering.com

Report Prepared By: Nathan LaPorte

Digitally signed by Justin Linette
Date: 2021.11.04 12:56:04-04'00'

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS, Site ID: 323807, dated November 1, 2021*
Mount Mapping Report	*Structural Components, Site ID: 16272242, dated February 24, 2021*
Previous Mount Analysis	*Maser Consulting Connecticut Project #: 21777107A, dated September 3, 2021*
Mount Modification Drawings	*Maser Consulting Connecticut Project #: 21777107A, dated November 3, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	115 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.50 in
	Risk Category:	II
	Exposure Category:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.977
Seismic Parameters:	S_S:	0.171 g
	S_1:	0.054 g
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
114.50	118.00	6	CommScope	NHH-65B-R2B	Added
		3	Samsung	MT6407-77A	
		3	Samsung	RF4439d-25A	
		3	Samsung	RF4440d-13A	
		1	Raycap	RVZDC-6627-PF-48	
		3	CommScope	HBXX-6517DS-A2M	Retained

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 in accordance with the NSTD-446 Standard, 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
Kicker	15.5%	Pass
Support Rail Corner	56.6%	Pass
Support Rail	27.2%	Pass
Mount Pipe	52.0%	Pass
Face Horizontal	38.5%	Pass
Cross Member	19.1%	Pass
Standoff Horizontal	69.4%	Pass
Corner Plate	17.6%	Pass
Mount Connection	21.1%	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**69.4%**

Recommendation:

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

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

Attachments:

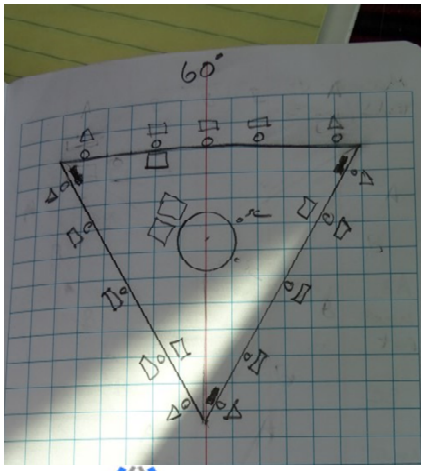
1. Mount Photos
2. Mount Mapping Report (for reference only)
3. Analysis Calculations
4. **Contractor Required PMI Report Deliverables**
5. Antenna Placement Diagrams
6. TIA Adoption and Wind Speed Usage Letter

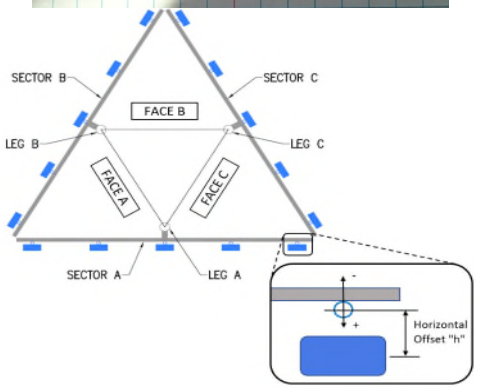
V3.0 Updated on 8-31-2020

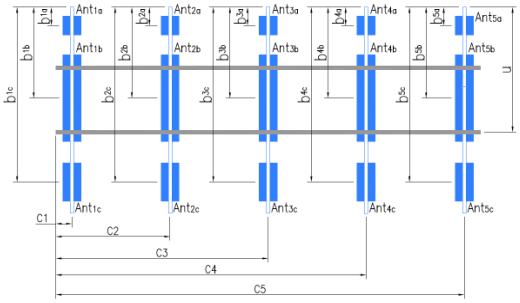
Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	SBA	**Mapping Date:**	2/24/2021
Site Name:	East Grandby 2 CT	**Tower Type:**	Monopole
Site Number or ID:	16272242	**Tower Height (Ft.):**	120
Mapping Contractor:	Structural Components	**Mount Elevation (Ft.):**	118







Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	2-3/8 x .154 x 84	78.00	11.00	C1	2-3/8 x .154 x 84	78.00	12.00
A2	2-3/8 x .154 x 84	78.00	35.00	C2	2-3/8 x .154 x 84	78.00	36.00
A3	2-3/8 x .154 x 84	78.00	81.50	C3	2-3/8 x .154 x 84	78.00	83.00
A4	2-3/8 x .154 x 84	78.00	129.50	C4	2-3/8 x .154 x 84	78.00	130.50
A5	2-3/8 x .154 x 84	78.00	151.50	C5	2-3/8 x .154 x 84	78.00	155.50
A6				C6			
B1	2-3/8 x .154 x 84	78.00	12.00	D1			
B2	2-3/8 x .154 x 84	78.00	35.00	D2			
B3	2-3/8 x .154 x 84	78.00	79.00	D3			
B4	2-3/8 x .154 x 84	78.00	129.00	D4			
B5	2-3/8 x .154 x 84	78.00	153.00	D5			
B6				D6			

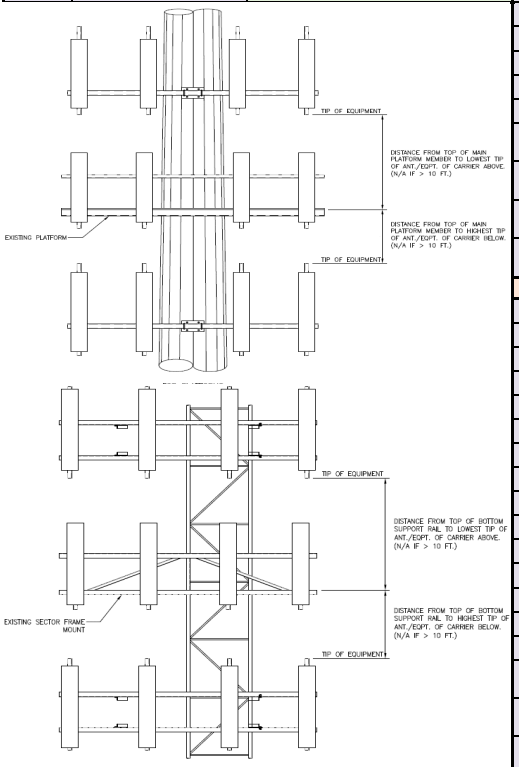
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	0.00
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	
Please enter additional infomation or comments below.	

Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	29

	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant_{1a}	comm CBC7821-DF	7.00	3.00	7.50	1) 1-5/8" T	122.75	21.00	-2.00		207
Ant_{1b}	LPA 80080/ 4CF EDIN	5.50	13.00	47.00	Jumpers	122	30.00	13.50	60.00	9
Ant_{1c}										
Ant_{2a}	B4 RRH 2x60-4R	11.00	6.00	36.00	HYB	121.833	32.00	-7.00		215
Ant_{2b}	comm HBXX-6517 DS	12.00	5.00	75.00	Jumpers	120.583	47.00	8.00	60.00	9
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	comm LNX-6514DS-A	12.00	7.00	72.00	Jumpers	121	42.00	7.50	60.00	9,229
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	comm HBXX-6517 DS	12.00	5.00	75.00	Jumpers	120.583	47.00	8.00	60.00	9,229
Ant_{4c}										
Ant_{5a}	comm CBC7821-DF	7.00	3.00	7.50	1) 1-5/8" T	122.5	24.00	-2.00		229
Ant_{5b}	LPA 80080/ 4CF EDIN	5.50	13.00	47.00	Jumpers	122	30.00	13.50	60.00	9,229
Ant_{5c}										
Ant on Standoff										
Ant on Standoff	(2) RRFDC-3315-PF-48	14.50	11.00	19.00	2) 1.5 HYB		35.00			188
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	60.00	Deg	Leg A:		Deg
Sector B:	180.00	Deg	Leg B:		Deg
Sector C:	300.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information			
Location:	100.00	Deg	N/A
Climbing Facility	Corrosion Type:		Good condition.
	Access:		Climbing path was unobstructed.
	Condition:		Damaged safety cable.



Sector B										
Ant_{1a}	comm CBC7821-DF	7.00	3.00	7.50	1) 1-5/8" T	122.625	22.50	-2.00		17,259
Ant_{1b}	LPA 80080/ 4CF EDIN	5.50	13.00	47.00	Jumpers	122	30.00	13.50	180.00	17,43
Ant_{1c}										
Ant_{2a}	B4 RRH 2x60-4R	11.00	6.00	36.00	HYB	121.833	32.00	-7.00		267
Ant_{2b}	comm HBXX-6517 DS	12.00	5.00	75.00	Jumpers	120.583	47.00	8.00	180.00	17,43
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	comm LNX-6514DS-A	12.00	7.00	72.00	Jumpers	121	42.00	7.50	180.00	17,43, 274
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	comm HBXX-6517 DS	12.00	5.00	75.00	Jumpers	120.583	47.00	8.00	180.00	17,43, 274
Ant_{4c}										
Ant_{5a}	comm CBC7821-DF	7.00	3.00	7.50	1) 1-5/8" T	122.583	23.00	-2.00		43, 274
Ant_{5b}	LPA 80080/ 4CF EDIN	5.50	13.00	47.00	Jumpers	122	30.00	13.50	180.00	17,43
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}	comm CBC7821-DF	7.00	3.00	7.50	1) 1-5/8" T	122.75	21.00	-2.00		292
Ant_{1b}	LPA 80080/ 4CF EDIN	5.50	13.00	47.00	Jumpers	122	30.00	13.50	300.00	23
Ant_{1c}										
Ant_{2a}	B4 RRH 2x60-4R	11.00	6.00	36.00	HYB	121.833	32.00	-7.00		298
Ant_{2b}	comm HBXX-6517 DS	12.00	5.00	75.00	Jumpers	120.583	47.00	8.00	300.00	23
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	comm LNX-6514DS-A	12.00	7.00	72.00	Jumpers	121	42.00	7.50	300.00	23, 303
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	comm HBXX-6517 DS	12.00	5.00	75.00	Jumpers	120.583	47.00	8.00	300.00	23, 303
Ant_{4c}										
Ant_{5a}	comm CBC7821-DF	7.00	3.00	7.50	1) 1-5/8" T	122.583	23.00	-2.00		303
Ant_{5b}	LPA 80080/ 4CF EDIN	5.50	13.00	47.00	Jumpers	122	30.00	13.50	300.00	23, 303, 315
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

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

1	safety climb top attachment pushed out of plumb at top attachment	
2		
3		
4		
5		
6		
7		
8		

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

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

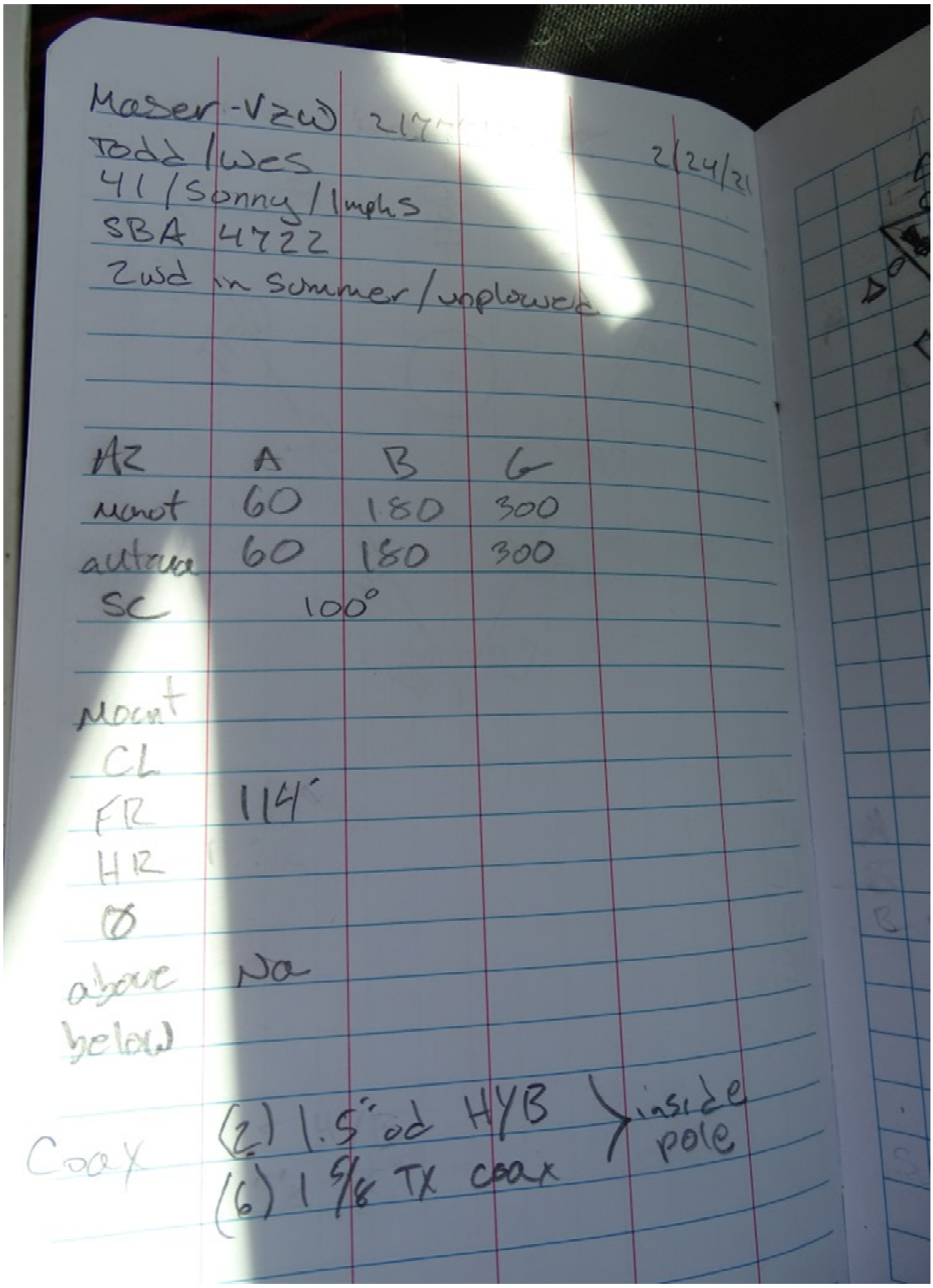
V3.0 Updated on 8-31-2020

Antenna Mount Mapping Form (PATENT PENDING)

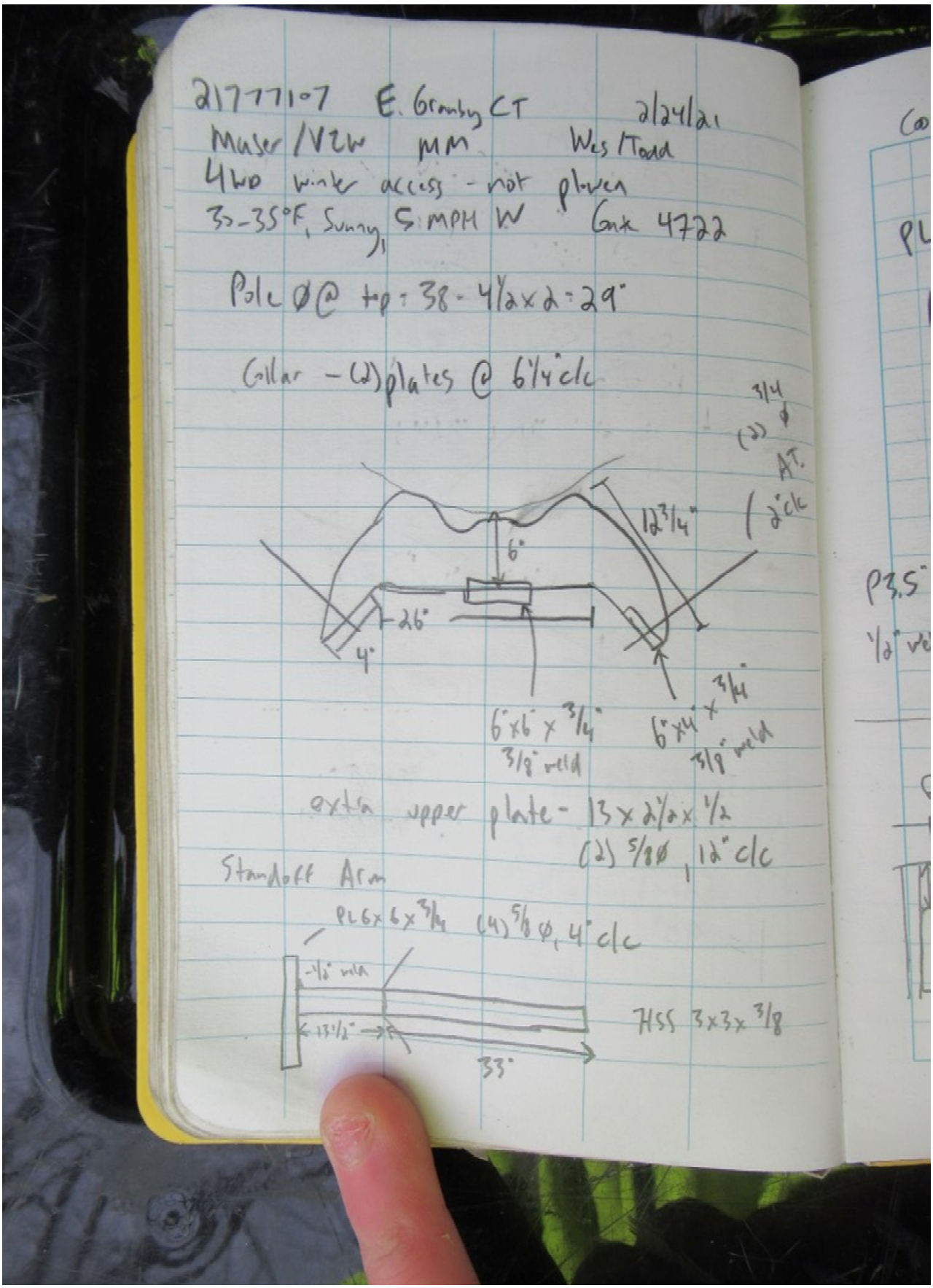
FCC #

Tower Owner:	SBA	**Mapping Date:**	2/24/2021
Site Name:	East Grandby 2 CT	**Tower Type:**	Monopole
Site Number or ID:	16272242	**Tower Height (Ft.):**	120
Mapping Contractor:	Structural Components	**Mount Elevation (Ft.):**	118

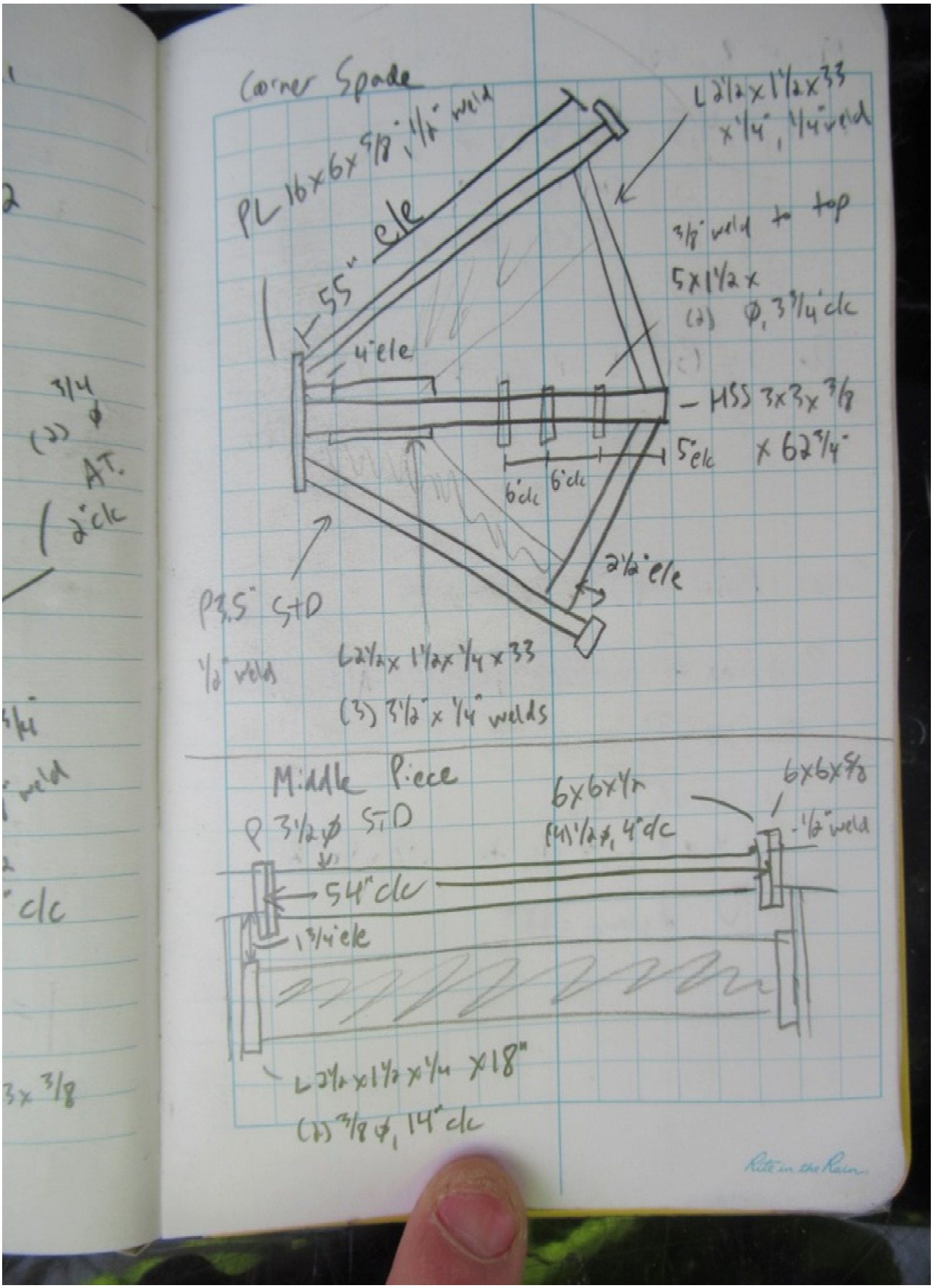
Please Insert Sketches of the Antenna Mount



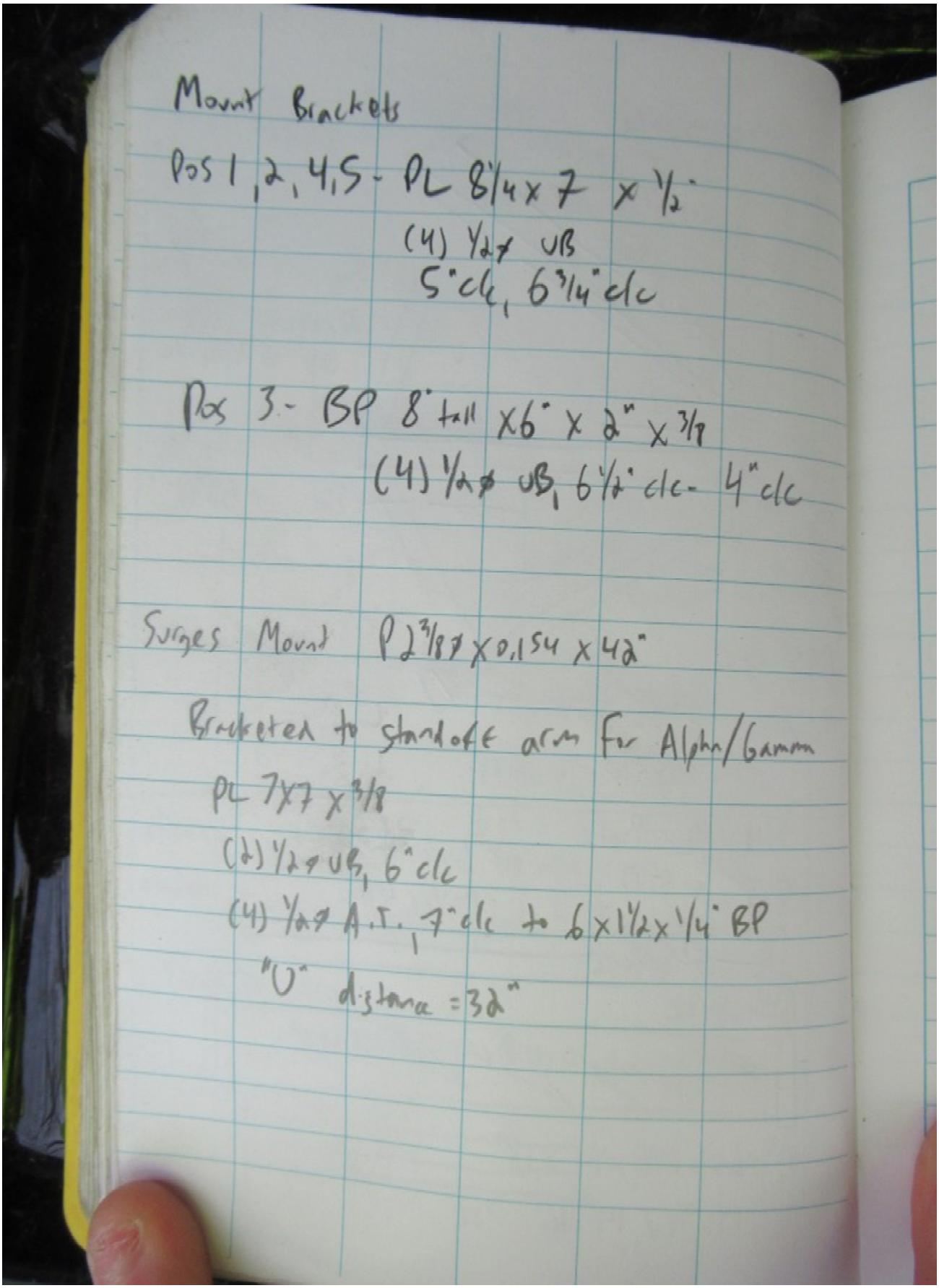
Please Insert Sketches of the Antenna Mount, cont'd

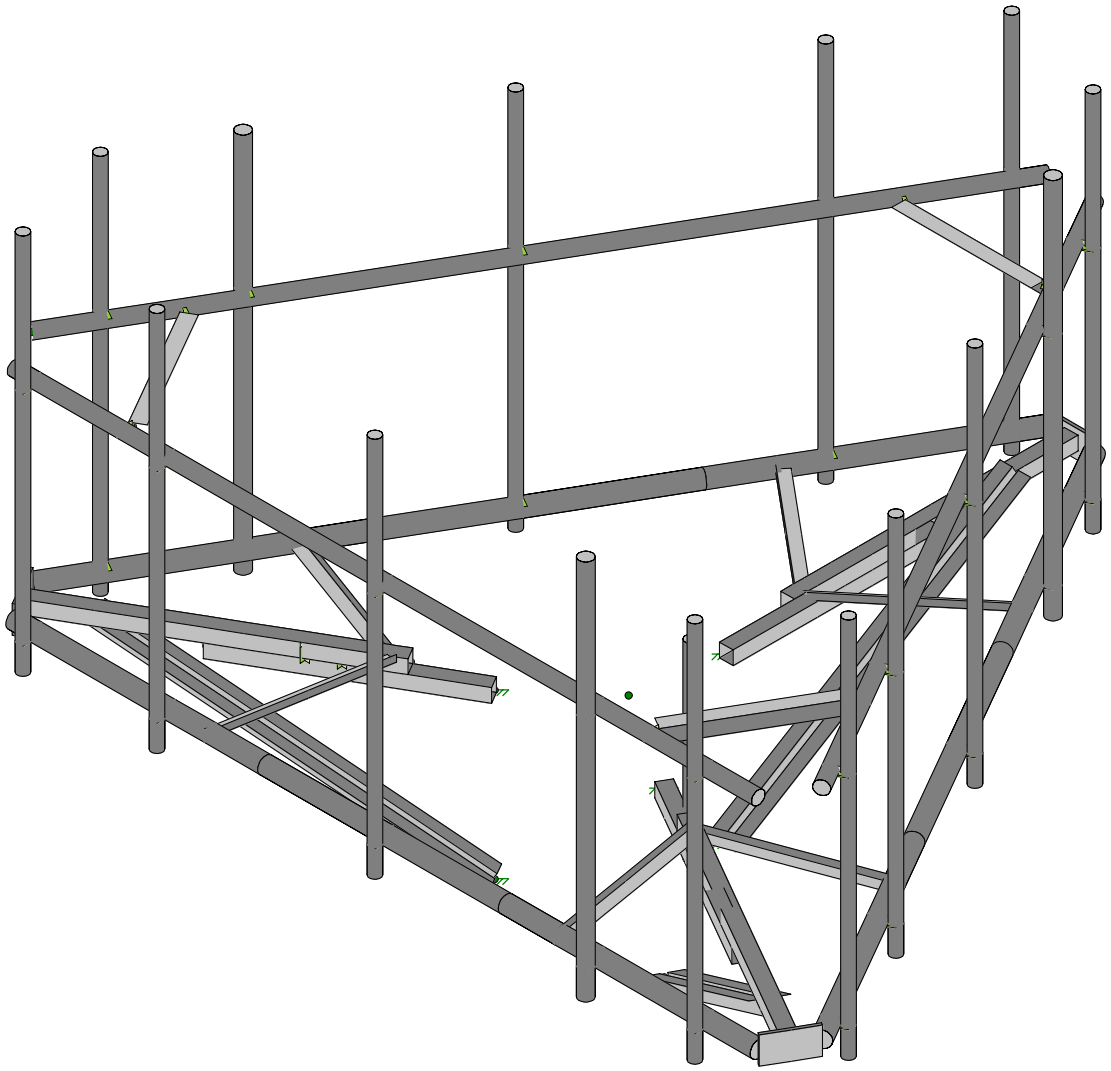


Please Insert Sketches of the Antenna Mount, cont'd



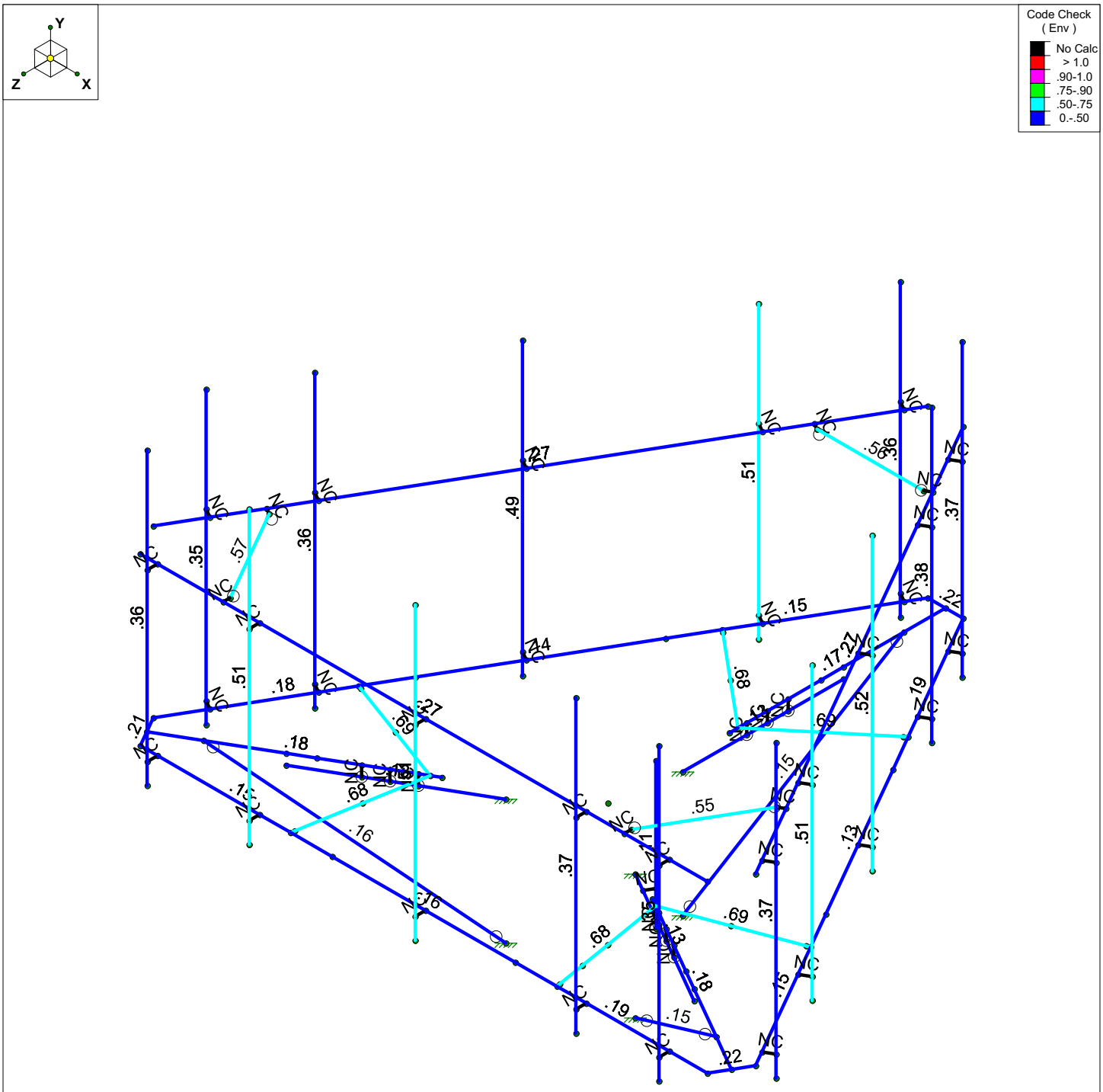
Please Insert Sketches of the Antenna Mount, cont'd





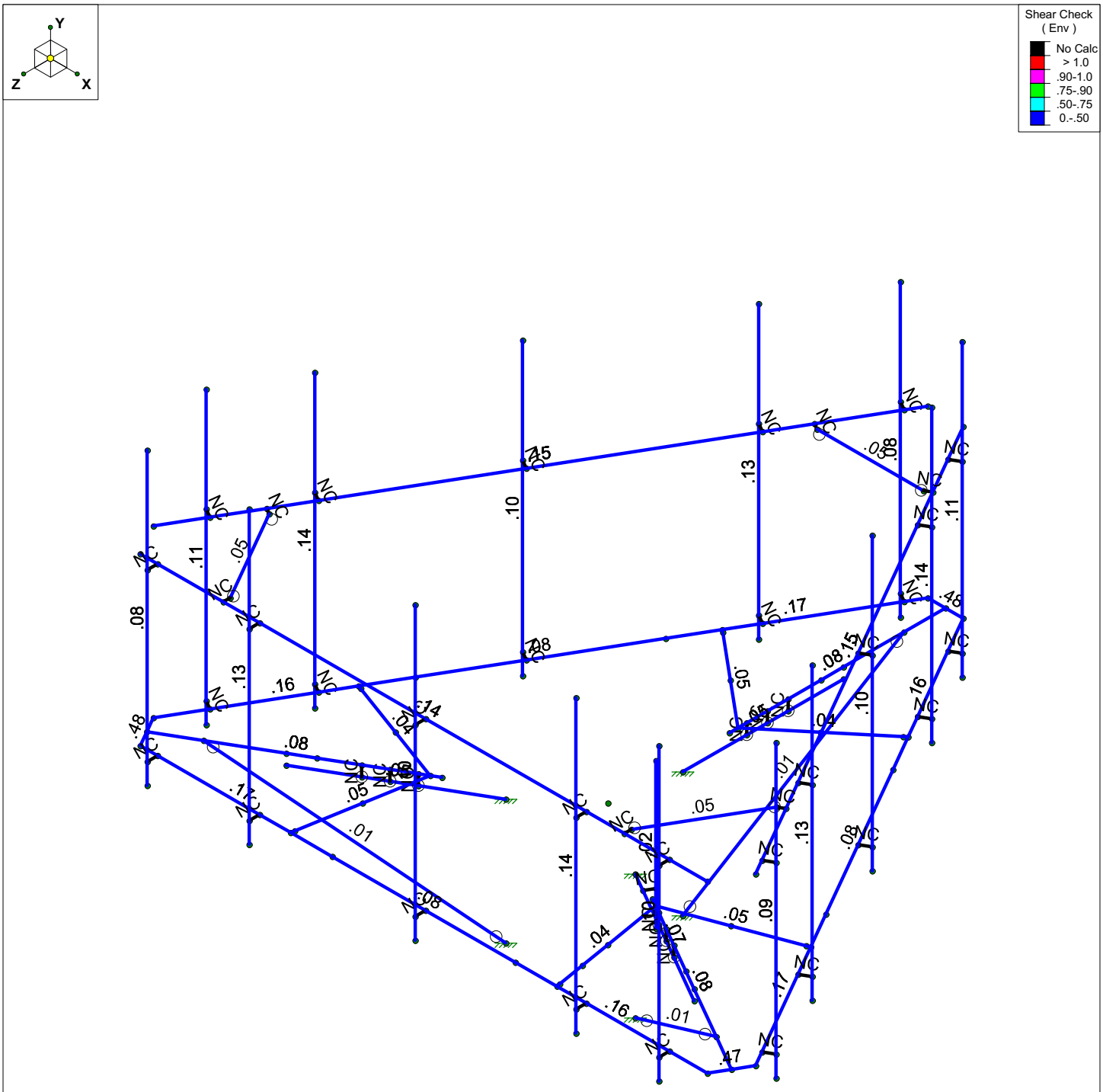
Envelope Only Solution

Maser Consulting	Mount Fix	SK - 1
NL		Nov 3, 2021 at 7:55 AM
21777107A		468906-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	Mount Fix	SK - 2
NL		Nov 3, 2021 at 7:56 AM
21777107A		468906-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	Mount Fix	SK - 3
NL		Nov 3, 2021 at 7:56 AM
21777107A		468906-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Grav...	Y Grav...	Z Grav...	Joint	Point	Distrib...	Area(M...	Surfac...
1	Antenna D	None					93			
2	Antenna Di	None					93			
3	Antenna Wo (0 Deg)	None					93			
4	Antenna Wo (30 Deg)	None					93			
5	Antenna Wo (60 Deg)	None					93			
6	Antenna Wo (90 Deg)	None					93			
7	Antenna Wo (120 Deg)	None					93			
8	Antenna Wo (150 Deg)	None					93			
9	Antenna Wo (180 Deg)	None					93			
10	Antenna Wo (210 Deg)	None					93			
11	Antenna Wo (240 Deg)	None					93			
12	Antenna Wo (270 Deg)	None					93			
13	Antenna Wo (300 Deg)	None					93			
14	Antenna Wo (330 Deg)	None					93			
15	Antenna Wi (0 Deg)	None					93			
16	Antenna Wi (30 Deg)	None					93			
17	Antenna Wi (60 Deg)	None					93			
18	Antenna Wi (90 Deg)	None					93			
19	Antenna Wi (120 Deg)	None					93			
20	Antenna Wi (150 Deg)	None					93			
21	Antenna Wi (180 Deg)	None					93			
22	Antenna Wi (210 Deg)	None					93			
23	Antenna Wi (240 Deg)	None					93			
24	Antenna Wi (270 Deg)	None					93			
25	Antenna Wi (300 Deg)	None					93			
26	Antenna Wi (330 Deg)	None					93			
27	Antenna Wm (0 Deg)	None					93			
28	Antenna Wm (30 Deg)	None					93			
29	Antenna Wm (60 Deg)	None					93			
30	Antenna Wm (90 Deg)	None					93			
31	Antenna Wm (120 Deg)	None					93			
32	Antenna Wm (150 Deg)	None					93			
33	Antenna Wm (180 Deg)	None					93			
34	Antenna Wm (210 Deg)	None					93			
35	Antenna Wm (240 Deg)	None					93			
36	Antenna Wm (270 Deg)	None					93			
37	Antenna Wm (300 Deg)	None					93			
38	Antenna Wm (330 Deg)	None					93			
39	Structure D	None		-1					9	
40	Structure Di	None						49	9	
41	Structure Wo (0 Deg)	None						98		
42	Structure Wo (30 Deg)	None						98		
43	Structure Wo (60 Deg)	None						98		
44	Structure Wo (90 Deg)	None						98		
45	Structure Wo (120 Deg)	None						98		
46	Structure Wo (150 Deg)	None						98		
47	Structure Wo (180 Deg)	None						98		
48	Structure Wo (210 Deg)	None						98		
49	Structure Wo (240 Deg)	None						98		
50	Structure Wo (270 Deg)	None						98		
51	Structure Wo (300 Deg)	None						98		
52	Structure Wo (330 Deg)	None						98		
53	Structure Wi (0 Deg)	None						98		
54	Structure Wi (30 Deg)	None						98		
55	Structure Wi (60 Deg)	None						98		
56	Structure Wi (90 Deg)	None						98		

Basic Load Cases (Continued)

	BLC Description	Category	X Grav...	Y Grav...	Z Grav...	Joint	Point	Distrib...	Area(M...	Surfac...
57	Structure Wi (120 Deg)	None						98		
58	Structure Wi (150 Deg)	None						98		
59	Structure Wi (180 Deg)	None						98		
60	Structure Wi (210 Deg)	None						98		
61	Structure Wi (240 Deg)	None						98		
62	Structure Wi (270 Deg)	None						98		
63	Structure Wi (300 Deg)	None						98		
64	Structure Wi (330 Deg)	None						98		
65	Structure Wm (0 Deg)	None						98		
66	Structure Wm (30 Deg)	None						98		
67	Structure Wm (60 Deg)	None						98		
68	Structure Wm (90 Deg)	None						98		
69	Structure Wm (120 Deg)	None						98		
70	Structure Wm (150 Deg)	None						98		
71	Structure Wm (180 Deg)	None						98		
72	Structure Wm (210 Deg)	None						98		
73	Structure Wm (240 Deg)	None						98		
74	Structure Wm (270 Deg)	None						98		
75	Structure Wm (300 Deg)	None						98		
76	Structure Wm (330 Deg)	None						98		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					93			
82	Antenna Eh (0 Deg)	None					62			
83	Antenna Eh (90 Deg)	None					62			
84	Structure Ev	ELY		-.036						
85	Structure Eh (0 Deg)	ELZ	-.091							
86	Structure Eh (90 Deg)	ELX			.091					
87	BLC 39 Transient Area Loads	None						21		
88	BLC 40 Transient Area Loads	None						21		

Load Combinations

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

Load Combinations (Continued)

	Description	Solve	P...	S...	B...	Fa...	B...	Fa...	BLC	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
21	1.2D + 1.0Di + 1.0Wi (2...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di + 1.0Wi (2...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di + 1.0Wi (3...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + 1.0Wi (3...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	1.2D + 1.0Ev + 1.0Eh (0...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	1	83		ELZ	1	E...					
53	1.2D + 1.0Ev + 1.0Eh (3...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.866	83	.5	ELZ	.866	E...	.5				
54	1.2D + 1.0Ev + 1.0Eh (6...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	.866	ELZ	.5	E...	.866				
55	1.2D + 1.0Ev + 1.0Eh (9...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82		83	1	ELZ		E...	1				
56	1.2D + 1.0Ev + 1.0Eh (1...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	.866	ELZ	-.5	E...	.866				
57	1.2D + 1.0Ev + 1.0Eh (1...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.866	83	.5	ELZ	-.866	E...	.5				
58	1.2D + 1.0Ev + 1.0Eh (1...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-1	83		ELZ	-1	E...					
59	1.2D + 1.0Ev + 1.0Eh (2...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.866	83	-.5	ELZ	-.866	E...	-.5				
60	1.2D + 1.0Ev + 1.0Eh (2...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	-.866	ELZ	-.5	E...	-.866				
61	1.2D + 1.0Ev + 1.0Eh (2...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82		83	-1	ELZ		E...	-1				
62	1.2D + 1.0Ev + 1.0Eh (3...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	-.866	ELZ	.5	E...	-.866				
63	1.2D + 1.0Ev + 1.0Eh (3...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.866	83	-.5	ELZ	.866	E...	-.5				
64	0.9D - 1.0Ev + 1.0Eh (0 ...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	1	83		ELZ	1	E...					
65	0.9D - 1.0Ev + 1.0Eh (3...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.866	83	.5	ELZ	.866	E...	.5				
66	0.9D - 1.0Ev + 1.0Eh (6...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	.866	ELZ	.5	E...	.866				
67	0.9D - 1.0Ev + 1.0Eh (9...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82		83	1	ELZ		E...	1				
68	0.9D - 1.0Ev + 1.0Eh (1...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	.866	ELZ	-.5	E...	.866				
69	0.9D - 1.0Ev + 1.0Eh (1...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.866	83	.5	ELZ	-.866	E...	.5				
70	0.9D - 1.0Ev + 1.0Eh (1...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-1	83		ELZ	-1	E...					
71	0.9D - 1.0Ev + 1.0Eh (2...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.866	83	-.5	ELZ	-.866	E...	-.5				
72	0.9D - 1.0Ev + 1.0Eh (2...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	-.866	ELZ	-.5	E...	-.866				
73	0.9D - 1.0Ev + 1.0Eh (2...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82		83	-1	ELZ		E...	-1				
74	0.9D - 1.0Ev + 1.0Eh (3...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	-.866	ELZ	.5	E...	-.866				
75	0.9D - 1.0Ev + 1.0Eh (3...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.866	83	-.5	ELZ	.866	E...	-.5				

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	CP	0	0	0	0	
2	N14	0.426321	0	-8.13659	0	
3	N27	-0.426321	0	-8.13659	0	
4	N38	-0.	0	-8.13659	0	
5	N39	-0.	0	-2.928257	0	
6	N44	-0.	-.25	-5.678257	0	
7	N45	-0.	-.25	-1.803257	0	
8	N46	-0.	0	-4.344924	0	
9	N47	-0.	0	-3.844924	0	
10	N48	-0.	0	-3.344924	0	
11	N49	-0.	-.25	-4.344924	0	
12	N50	-0.	-.25	-3.844924	0	
13	N51	-0.	-.25	-3.344924	0	
14	N69	-0.	0	-3.13659	0	
15	N76	2.238821	0	-4.997248	0	
16	N77	-2.238821	0	-4.997248	0	
17	N115	5.916667	0	4.4375	0	
18	N116	5.916667	0	4.6875	0	
19	N117	5.916667	6.5	4.6875	0	
20	N118	5.916667	-0.5	4.6875	0	
21	N182A	2.174732	0	-4.943984	0	
22	N183A	-2.174732	0	-4.943984	0	
23	N185	-0.	0	-5.13659	0	
24	N182B	-1.085216	0	-4.038501	0	
25	N183B	1.085216	0	-4.038501	0	
26	N78	6.833333	0	4.4375	0	
27	N79	-6.833333	0	4.4375	0	
28	N80A	-2.208333	0	4.4375	0	
29	N81	2.208333	0	4.4375	0	
30	N36	-7.259654	0	3.69909	0	
31	N38A	-7.046494	0	4.068295	0	
32	N39A	-2.535945	0	1.464128	0	
33	N40	-4.917515	-.25	2.839128	0	
34	N41	-1.561666	-.25	0.901628	0	
35	N42	-3.762814	0	2.172462	0	
36	N43	-3.329802	0	1.922462	0	
37	N44A	-2.896789	0	1.672462	0	
38	N45A	-3.762814	-.25	2.172462	0	
39	N46A	-3.329802	-.25	1.922462	0	
40	N47A	-2.896789	-.25	1.672462	0	
41	N48A	-2.716367	0	1.568295	0	
42	N49A	-5.447154	0	0.559748	0	
43	N50A	-3.208333	0	4.4375	0	
44	N53	-5.368982	0	0.588619	0	
45	N54	-3.19425	0	4.355365	0	
46	N55	-4.448418	0	2.568295	0	
47	N56	-2.954836	0	2.959075	0	
48	N57	-4.040053	0	1.079425	0	
49	N63	7.259654	0	3.69909	0	
50	N64	7.046494	0	4.068295	0	
51	N65	2.535945	0	1.464128	0	
52	N66	4.917515	-.25	2.839128	0	
53	N67	1.561666	-.25	0.901628	0	
54	N68	3.762814	0	2.172462	0	
55	N69A	3.329802	0	1.922462	0	
56	N70	2.896789	0	1.672462	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
57	N71	3.762814	-.25	2.172462	0	
58	N72	3.329802	-.25	1.922462	0	
59	N73	2.896789	-.25	1.672462	0	
60	N74	2.716367	0	1.568295	0	
61	N75	3.208333	0	4.4375	0	
62	N76A	5.447154	0	0.559748	0	
63	N77A	3.081585	0	3.698288	0	
64	N79A	3.19425	0	4.355365	0	
65	N80	5.368982	0	0.588619	0	
66	N81A	4.448418	0	2.568295	0	
67	N82	4.040053	0	1.079425	0	
68	N83	2.954836	0	2.959075	0	
69	N88	4.947154	0	-0.306277	0	
70	N89	2.738821	0	-4.131223	0	
71	N92	-2.738821	0	-4.131223	0	
72	N93	-4.947154	0	-0.306277	0	
73	N82A	3.916667	0	4.4375	0	
74	N83A	3.916667	0	4.6875	0	
75	N84	3.916667	6.5	4.6875	0	
76	N85	3.916667	-0.5	4.6875	0	
77	N86	0.041667	0	4.4375	0	
78	N87	0.041667	0	4.6875	0	
79	N88A	0.041667	6.5	4.6875	0	
80	N89A	0.041667	-0.5	4.6875	0	
81	N90	-3.958333	0	4.4375	0	
82	N91	-3.958333	0	4.6875	0	
83	N92A	-3.958333	6.5	4.6875	0	
84	N93A	-3.958333	-0.5	4.6875	0	
85	N94	-6.416667	0	4.4375	0	
86	N95	-6.416667	0	4.6875	0	
87	N96	-6.416667	6.5	4.6875	0	
88	N97	-6.416667	-0.5	4.6875	0	
89	N98	0.926321	0	-7.270565	0	
90	N99	1.142827	0	-7.395565	0	
91	N100	1.142827	6.5	-7.395565	0	
92	N101	1.142827	-0.5	-7.395565	0	
93	N102	-6.759654	0	2.833065	0	
94	N103	-6.976161	0	2.708065	0	
95	N104	-6.976161	6.5	2.708065	0	
96	N105	-6.976161	-0.5	2.708065	0	
97	N106	-5.801321	0	1.173183	0	
98	N107	-6.017827	0	1.048183	0	
99	N108	-6.017827	6.5	1.048183	0	
100	N109	-6.017827	-0.5	1.048183	0	
101	N110	-3.967988	0	-2.002244	0	
102	N111	-4.184494	0	-2.127244	0	
103	N112	-4.184494	6.5	-2.127244	0	
104	N113	-4.184494	-0.5	-2.127244	0	
105	N114	-1.884654	0	-5.610683	0	
106	N115A	-2.101161	0	-5.735683	0	
107	N116A	-2.101161	6.5	-5.735683	0	
108	N117A	-2.101161	-0.5	-5.735683	0	
109	N118A	-0.634654	0	-7.775746	0	
110	N119	-0.851161	0	-7.900746	0	
111	N120	-0.851161	6.5	-7.900746	0	
112	N121	-0.851161	-0.5	-7.900746	0	
113	N122	1.926321	0	-5.538514	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
114	N123	2.142827	0	-5.663514	0	
115	N124	2.142827	6.5	-5.663514	0	
116	N125	2.142827	-0.5	-5.663514	0	
117	N126	3.884654	0	-2.146581	0	
118	N127	4.101161	0	-2.271581	0	
119	N128	4.101161	6.5	-2.271581	0	
120	N129	4.101161	-0.5	-2.271581	0	
121	N130	5.863821	0	1.281436	0	
122	N131	6.080327	0	1.156436	0	
123	N132	6.080327	6.5	1.156436	0	
124	N133	6.080327	-0.5	1.156436	0	
125	N134	7.051321	0	3.338246	0	
126	N135	7.267827	0	3.213246	0	
127	N136	7.267827	6.5	3.213246	0	
128	N137	7.267827	-0.5	3.213246	0	
129	N142	1.994679	-.25	1.151628	0	
130	N143	2.109262	-.25	0.953164	0	
131	N144	2.109262	-1.083333	0.953164	0	
132	N145	2.109262	2.416667	0.953164	0	
133	N133A	-0.	0	-5.678257	0	
134	N134A	-4.917515	0	2.839128	0	
135	N135A	4.917515	0	2.839128	0	
136	N136A	5.916667	4	4.4375	0	
137	N137A	5.916667	4	4.6875	0	
138	N138	6.833333	4	4.4375	0	
139	N139	-6.833333	4	4.4375	0	
140	N140	3.916667	4	4.4375	0	
141	N141	3.916667	4	4.6875	0	
142	N142A	0.041667	4	4.4375	0	
143	N143A	0.041667	4	4.6875	0	
144	N144A	-3.958333	4	4.4375	0	
145	N145A	-3.958333	4	4.6875	0	
146	N146	-6.416667	4	4.4375	0	
147	N147	-6.416667	4	4.6875	0	
148	N148	-4.833333	4	4.4375	0	
149	N149	4.833333	4	4.4375	0	
150	N150	-4.833333	4	4.270833	0	
151	N151	4.833333	4	4.270833	0	
152	N153	-7.259654	4	3.69909	0	
153	N154	-0.426321	4	-8.13659	0	
154	N155	-1.426321	4	-6.404539	0	
155	N156	-6.259654	4	1.967039	0	
156	N157	-1.281983	4	-6.321206	0	
157	N158	-6.115317	4	2.050373	0	
158	N158A	0.926321	4	-7.270565	0	
159	N159	1.142827	4	-7.395565	0	
160	N160	-6.759654	4	2.833065	0	
161	N161	-6.976161	4	2.708065	0	
162	N162	-5.801321	4	1.173183	0	
163	N163	-6.017827	4	1.048183	0	
164	N164	-3.967988	4	-2.002244	0	
165	N165	-4.184494	4	-2.127244	0	
166	N166	-1.884654	4	-5.610683	0	
167	N167	-2.101161	4	-5.735683	0	
168	N168	-0.634654	4	-7.775746	0	
169	N169	-0.851161	4	-7.900746	0	
170	N170	1.926321	4	-5.538514	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
171	N171	2.142827	4	-5.663514	0	
172	N172	3.884654	4	-2.146581	0	
173	N173	4.101161	4	-2.271581	0	
174	N174	5.863821	4	1.281436	0	
175	N175	6.080327	4	1.156436	0	
176	N176	7.051321	4	3.338246	0	
177	N177	7.267827	4	3.213246	0	
178	N182	0.426321	4	-8.13659	0	
179	N183	7.259654	4	3.69909	0	
180	N181	6.115317	4	2.050373	0	
181	N185A	1.281983	4	-6.321206	0	
182	N183C	6.259654	4	1.967039	0	
183	N184	1.426321	4	-6.404539	0	
184	N184A	-0.	-3.25	-1.803257	0	
185	N185B	-0.	0	-7.13659	0	
186	N187	-1.561666	-3.25	0.901628	0	
187	N188	-6.180468	0	3.568295	0	
188	N190	1.561666	-3.25	0.901628	0	
189	N191	6.180468	0	3.568295	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
2	Face Horizontal	PIPE_3.0	Beam	Pipe	A53 Gr. B	Typical	2.07	2.85	2.85	5.69
3	Standoff Horizontal	HSS3X3X6	Beam	SquareTube	A500 Gr. B 46	Typical	3.39	3.78	3.78	6.64
4	Cross Member	L2.5x1.5x4	Beam	Single Angle	A36 Gr.36	Typical	.947	.16	.594	.021
5	Corner Plate	PL5/8X6	Beam	RECT	A36 Gr.36	Typical	3.75	.122	11.25	.456
6	TES CP	PL3/8x6	Beam	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
7	MOD SR CONNE...	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
8	MOD KICKER	LL3x3x3x6	Beam	Double Angle (3/8 Gap)	A36 Gr.36	Typical	2.18	4.97	1.9	.027
9	MOD FH	PIPE_2.5	Beam	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
10	DUAL PIPE	PIPE_2.5	Beam	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
11	MOD SR BRACING	L2.5x2.5x4	Beam	Single Angle	A53 Gr. B	Typical	1.19	.692	.692	.026

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M39	N27	N14			Corner Plate	Beam	RECT	A36 Gr.36	Typical
2	M40	N38	N39			Standoff Horiz...	Beam	SquareTube	A500 Gr. ...	Typical
3	M43	N44	N45			Standoff Horiz...	Beam	SquareTube	A500 Gr. ...	Typical
4	M44	N48	N51			RIGID	None	None	RIGID	Typical
5	M45	N47	N50			RIGID	None	None	RIGID	Typical
6	M46	N46	N49			RIGID	None	None	RIGID	Typical
7	M107	N116	N115			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
8	MP1A	N117	N118			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
9	M112A	N69	N76		270	Cross Member	Beam	Single Angle	A36 Gr.36	Typical
10	M113A	N77	N69		270	Cross Member	Beam	Single Angle	A36 Gr.36	Typical
11	M32	N79	N80A			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
12	M33	N78	N81			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
13	M34	N81	N80A			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
14	M16	N79	N36			Corner Plate	Beam	RECT	A36 Gr.36	Typical
15	M17	N38A	N39A			Standoff Horiz...	Beam	SquareTube	A500 Gr. ...	Typical
16	M18	N40	N41			Standoff Horiz...	Beam	SquareTube	A500 Gr. ...	Typical
17	M19	N44A	N47A			RIGID	None	None	RIGID	Typical
18	M20	N43	N46A			RIGID	None	None	RIGID	Typical
19	M21	N42	N45A			RIGID	None	None	RIGID	Typical
20	M22	N48A	N49A		270	Cross Member	Beam	Single Angle	A36 Gr.36	Typical
21	M23	N50A	N48A		270	Cross Member	Beam	Single Angle	A36 Gr.36	Typical
22	M26	N63	N78			Corner Plate	Beam	RECT	A36 Gr.36	Typical
23	M27	N64	N65			Standoff Horiz...	Beam	SquareTube	A500 Gr. ...	Typical
24	M28	N66	N67			Standoff Horiz...	Beam	SquareTube	A500 Gr. ...	Typical
25	M29	N70	N73			RIGID	None	None	RIGID	Typical
26	M30	N69A	N72			RIGID	None	None	RIGID	Typical
27	M31	N68	N71			RIGID	None	None	RIGID	Typical
28	M32A	N74	N75		270	Cross Member	Beam	Single Angle	A36 Gr.36	Typical
29	M33A	N76A	N74		270	Cross Member	Beam	Single Angle	A36 Gr.36	Typical
30	M36	N63	N88			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
31	M37	N14	N89			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
32	M38	N89	N88			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
33	M39A	N27	N92			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
34	M40A	N36	N93			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
35	M41	N93	N92			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
36	M38A	N83A	N82A			RIGID	None	None	RIGID	Typical
37	MP2A	N84	N85			DUAL PIPE	Beam	Pipe	A53 Gr. B	Typical
38	M40B	N87	N86			RIGID	None	None	RIGID	Typical
39	MP3A	N88A	N89A			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
40	M42	N91	N90			RIGID	None	None	RIGID	Typical
41	MP4A	N92A	N93A			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
42	M44A	N95	N94			RIGID	None	None	RIGID	Typical
43	MP5A	N96	N97			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
44	M46A	N99	N98			RIGID	None	None	RIGID	Typical
45	MP1C	N100	N101			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
46	M48	N103	N102			RIGID	None	None	RIGID	Typical
47	MP1B	N104	N105			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
48	M50	N107	N106			RIGID	None	None	RIGID	Typical
49	MP2B	N108	N109			DUAL PIPE	Beam	Pipe	A53 Gr. B	Typical
50	M52	N111	N110			RIGID	None	None	RIGID	Typical
51	MP3B	N112	N113			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
52	M54	N115A	N114			RIGID	None	None	RIGID	Typical
53	MP4B	N116A	N117A			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
54	M56	N119	N118A			RIGID	None	None	RIGID	Typical
55	MP5B	N120	N121			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
56	M58	N123	N122			RIGID	None	None	RIGID	Typical
57	MP2C	N124	N125			DUAL PIPE	Beam	Pipe	A53 Gr. B	Typical
58	M60	N127	N126			RIGID	None	None	RIGID	Typical
59	MP3C	N128	N129			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
60	M62	N131	N130			RIGID	None	None	RIGID	Typical
61	MP4C	N132	N133			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
62	M64	N135	N134			RIGID	None	None	RIGID	Typical
63	MP5C	N136	N137			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
64	M68	N142	N143			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
65	OVP	N145	N144			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
66	M66	N137A	N136A			RIGID	None	None	RIGID	Typical
67	M67	N141	N140			RIGID	None	None	RIGID	Typical
68	M68A	N143A	N142A			RIGID	None	None	RIGID	Typical
69	M69	N145A	N144A			RIGID	None	None	RIGID	Typical
70	M70	N147	N146			RIGID	None	None	RIGID	Typical
71	M71	N139	N138			MOD FH	Beam	Pipe	A53 Gr. B	Typical
72	M72	N148	N150			RIGID	None	None	RIGID	Typical
73	M73	N149	N151			RIGID	None	None	RIGID	Typical
74	M74	N154	N153			MOD FH	Beam	Pipe	A53 Gr. B	Typical
75	M75	N155	N157			RIGID	None	None	RIGID	Typical
76	M76	N156	N158			RIGID	None	None	RIGID	Typical
77	M77	N150	N158		90	MOD SR CON...	Beam	Single Angle	A36 Gr.36	Typical
78	M78	N159	N158A			RIGID	None	None	RIGID	Typical
79	M79	N161	N160			RIGID	None	None	RIGID	Typical
80	M80	N163	N162			RIGID	None	None	RIGID	Typical
81	M81	N165	N164			RIGID	None	None	RIGID	Typical
82	M82	N167	N166			RIGID	None	None	RIGID	Typical
83	M83	N169	N168			RIGID	None	None	RIGID	Typical
84	M84	N171	N170			RIGID	None	None	RIGID	Typical
85	M85	N173	N172			RIGID	None	None	RIGID	Typical
86	M86	N175	N174			RIGID	None	None	RIGID	Typical
87	M87	N177	N176			RIGID	None	None	RIGID	Typical
88	M89	N183	N182			MOD FH	Beam	Pipe	A53 Gr. B	Typical
89	M90	N181	N151		90	MOD SR CON...	Beam	Single Angle	A36 Gr.36	Typical
90	M91	N157	N185A		90	MOD SR CON...	Beam	Single Angle	A36 Gr.36	Typical
91	M92	N183C	N181			RIGID	None	None	RIGID	Typical
92	M93	N184	N185A			RIGID	None	None	RIGID	Typical
93	M93A	N185B	N184A			MOD KICKER	Beam	Double Angle (...	A36 Gr.36	Typical
94	M94	N188	N187			MOD KICKER	Beam	Double Angle (...	A36 Gr.36	Typical
95	M95	N191	N190			MOD KICKER	Beam	Double Angle (...	A36 Gr.36	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M39						Yes				None
2	M40						Yes				None
3	M43						Yes				None
4	M44	BenPIN					Yes	** NA **			None
5	M45	BenPIN					Yes	** NA **			None
6	M46	BenPIN					Yes	** NA **			None
7	M107						Yes	** NA **			None
8	MP1A						Yes	** NA **			None
9	M112A						Yes				None
10	M113A						Yes				None
11	M32						Yes				None
12	M33						Yes				None
13	M34						Yes				None
14	M16						Yes				None
15	M17						Yes				None
16	M18						Yes				None
17	M19	BenPIN					Yes	** NA **			None
18	M20	BenPIN					Yes	** NA **			None
19	M21	BenPIN					Yes	** NA **			None
20	M22						Yes				None
21	M23						Yes				None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
22	M26						Yes				None
23	M27						Yes				None
24	M28						Yes				None
25	M29	BenPIN					Yes	** NA **			None
26	M30	BenPIN					Yes	** NA **			None
27	M31	BenPIN					Yes	** NA **			None
28	M32A						Yes				None
29	M33A						Yes				None
30	M36						Yes				None
31	M37						Yes				None
32	M38						Yes				None
33	M39A						Yes				None
34	M40A						Yes				None
35	M41						Yes				None
36	M38A						Yes	** NA **			None
37	MP2A						Yes				None
38	M40B						Yes	** NA **			None
39	MP3A						Yes	** NA **			None
40	M42						Yes	** NA **			None
41	MP4A						Yes	** NA **			None
42	M44A						Yes	** NA **			None
43	MP5A						Yes	** NA **			None
44	M46A						Yes	** NA **			None
45	MP1C						Yes	** NA **			None
46	M48						Yes	** NA **			None
47	MP1B						Yes	** NA **			None
48	M50						Yes	** NA **			None
49	MP2B						Yes				None
50	M52						Yes	** NA **			None
51	MP3B						Yes	** NA **			None
52	M54						Yes	** NA **			None
53	MP4B						Yes	** NA **			None
54	M56						Yes	** NA **			None
55	MP5B						Yes	** NA **			None
56	M58						Yes	** NA **			None
57	MP2C						Yes				None
58	M60						Yes	** NA **			None
59	MP3C						Yes	** NA **			None
60	M62						Yes	** NA **			None
61	MP4C						Yes	** NA **			None
62	M64						Yes	** NA **			None
63	MP5C						Yes	** NA **			None
64	M68						Yes	** NA **			None
65	OVP						Yes	** NA **			None
66	M66						Yes	** NA **			None
67	M67						Yes	** NA **			None
68	M68A						Yes	** NA **			None
69	M69						Yes	** NA **			None
70	M70						Yes	** NA **			None
71	M71						Yes				None
72	M72	OOOOOX					Yes	** NA **			None
73	M73	OOOOOX					Yes	** NA **			None
74	M74						Yes				None
75	M75	OOOOOX					Yes	** NA **			None
76	M76	OOOOOX					Yes	** NA **			None
77	M77						Yes				None
78	M78						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...
79	M79						Yes	** NA **			None
80	M80						Yes	** NA **			None
81	M81						Yes	** NA **			None
82	M82						Yes	** NA **			None
83	M83						Yes	** NA **			None
84	M84						Yes	** NA **			None
85	M85						Yes	** NA **			None
86	M86						Yes	** NA **			None
87	M87						Yes	** NA **			None
88	M89						Yes				None
89	M90						Yes				None
90	M91						Yes				None
91	M92	OOOOOX					Yes	** NA **			None
92	M93	OOOOOX					Yes	** NA **			None
93	M93A	BenPIN	BenPIN				Yes	Default			None
94	M94	BenPIN	BenPIN				Yes	Default			None
95	M95	BenPIN	BenPIN				Yes	Default			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-21.85	.5
2	MP2A	My	-.011	.5
3	MP2A	Mz	.013	.5
4	MP2A	Y	-21.85	5.5
5	MP2A	My	-.011	5.5
6	MP2A	Mz	.013	5.5
7	MP2B	Y	-21.85	.5
8	MP2B	My	-.006	.5
9	MP2B	Mz	-.016	.5
10	MP2B	Y	-21.85	5.5
11	MP2B	My	-.006	5.5
12	MP2B	Mz	-.016	5.5
13	MP2C	Y	-21.85	.5
14	MP2C	My	.017	.5
15	MP2C	Mz	.003	.5
16	MP2C	Y	-21.85	5.5
17	MP2C	My	.017	5.5
18	MP2C	Mz	.003	5.5
19	MP2A	Y	-21.85	.5
20	MP2A	My	-.011	.5
21	MP2A	Mz	-.013	.5
22	MP2A	Y	-21.85	5.5
23	MP2A	My	-.011	5.5
24	MP2A	Mz	-.013	5.5
25	MP2B	Y	-21.85	.5
26	MP2B	My	.017	.5
27	MP2B	Mz	-.003	.5
28	MP2B	Y	-21.85	5.5
29	MP2B	My	.017	5.5
30	MP2B	Mz	-.003	5.5
31	MP2C	Y	-21.85	.5
32	MP2C	My	-.006	.5
33	MP2C	Mz	.016	.5
34	MP2C	Y	-21.85	5.5
35	MP2C	My	-.006	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2C	Mz	.016	5.5
37	MP5A	Y	-43.55	2
38	MP5A	My	-.022	2
39	MP5A	Mz	0	2
40	MP5A	Y	-43.55	4
41	MP5A	My	-.022	4
42	MP5A	Mz	0	4
43	MP5B	Y	-43.55	2
44	MP5B	My	.011	2
45	MP5B	Mz	-.019	2
46	MP5B	Y	-43.55	4
47	MP5B	My	.011	4
48	MP5B	Mz	-.019	4
49	MP5C	Y	-43.55	2
50	MP5C	My	.011	2
51	MP5C	Mz	-.019	2
52	MP5C	Y	-43.55	4
53	MP5C	My	.011	4
54	MP5C	Mz	-.019	4
55	MP1A	Y	-74.7	3
56	MP1A	My	.037	3
57	MP1A	Mz	0	3
58	MP1B	Y	-74.7	3
59	MP1B	My	-.019	3
60	MP1B	Mz	.032	3
61	MP1C	Y	-74.7	3
62	MP1C	My	-.019	3
63	MP1C	Mz	-.032	3
64	MP2A	Y	-70.3	3
65	MP2A	My	.035	3
66	MP2A	Mz	0	3
67	MP2B	Y	-70.3	3
68	MP2B	My	-.018	3
69	MP2B	Mz	.03	3
70	MP2C	Y	-70.3	3
71	MP2C	My	-.018	3
72	MP2C	Mz	-.03	3
73	MP4A	Y	-20.4	.5
74	MP4A	My	-.014	.5
75	MP4A	Mz	0	.5
76	MP4A	Y	-20.4	5.5
77	MP4A	My	-.014	5.5
78	MP4A	Mz	0	5.5
79	MP4B	Y	-20.4	.5
80	MP4B	My	.007	.5
81	MP4B	Mz	-.012	.5
82	MP4B	Y	-20.4	5.5
83	MP4B	My	.007	5.5
84	MP4B	Mz	-.012	5.5
85	MP4C	Y	-20.4	.5
86	MP4C	My	.007	.5
87	MP4C	Mz	.012	.5
88	MP4C	Y	-20.4	5.5
89	MP4C	My	.007	5.5
90	MP4C	Mz	.012	5.5
91	OVP	Y	-32	1.5
92	OVP	My	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
93	OVP	Mz	0	1.5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-93.661	.5
2	MP2A	My	-.047	.5
3	MP2A	Mz	.055	.5
4	MP2A	Y	-93.661	5.5
5	MP2A	My	-.047	5.5
6	MP2A	Mz	.055	5.5
7	MP2B	Y	-93.661	.5
8	MP2B	My	-.024	.5
9	MP2B	Mz	-.068	.5
10	MP2B	Y	-93.661	5.5
11	MP2B	My	-.024	5.5
12	MP2B	Mz	-.068	5.5
13	MP2C	Y	-93.661	.5
14	MP2C	My	.071	.5
15	MP2C	Mz	.013	.5
16	MP2C	Y	-93.661	5.5
17	MP2C	My	.071	5.5
18	MP2C	Mz	.013	5.5
19	MP2A	Y	-93.661	.5
20	MP2A	My	-.047	.5
21	MP2A	Mz	-.055	.5
22	MP2A	Y	-93.661	5.5
23	MP2A	My	-.047	5.5
24	MP2A	Mz	-.055	5.5
25	MP2B	Y	-93.661	.5
26	MP2B	My	.071	.5
27	MP2B	Mz	-.013	.5
28	MP2B	Y	-93.661	5.5
29	MP2B	My	.071	5.5
30	MP2B	Mz	-.013	5.5
31	MP2C	Y	-93.661	.5
32	MP2C	My	-.024	.5
33	MP2C	Mz	.068	.5
34	MP2C	Y	-93.661	5.5
35	MP2C	My	-.024	5.5
36	MP2C	Mz	.068	5.5
37	MP5A	Y	-55.274	2
38	MP5A	My	-.028	2
39	MP5A	Mz	0	2
40	MP5A	Y	-55.274	4
41	MP5A	My	-.028	4
42	MP5A	Mz	0	4
43	MP5B	Y	-55.274	2
44	MP5B	My	.014	2
45	MP5B	Mz	-.024	2
46	MP5B	Y	-55.274	4
47	MP5B	My	.014	4
48	MP5B	Mz	-.024	4
49	MP5C	Y	-55.274	2
50	MP5C	My	.014	2
51	MP5C	Mz	-.024	2
52	MP5C	Y	-55.274	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP5C	My	.014	4
54	MP5C	Mz	-.024	4
55	MP1A	Y	-70.22	3
56	MP1A	My	.035	3
57	MP1A	Mz	0	3
58	MP1B	Y	-70.22	3
59	MP1B	My	-.018	3
60	MP1B	Mz	.03	3
61	MP1C	Y	-70.22	3
62	MP1C	My	-.018	3
63	MP1C	Mz	-.03	3
64	MP2A	Y	-66.983	3
65	MP2A	My	.033	3
66	MP2A	Mz	0	3
67	MP2B	Y	-66.983	3
68	MP2B	My	-.017	3
69	MP2B	Mz	.029	3
70	MP2C	Y	-66.983	3
71	MP2C	My	-.017	3
72	MP2C	Mz	-.029	3
73	MP4A	Y	-94.628	.5
74	MP4A	My	-.063	.5
75	MP4A	Mz	0	.5
76	MP4A	Y	-94.628	5.5
77	MP4A	My	-.063	5.5
78	MP4A	Mz	0	5.5
79	MP4B	Y	-94.628	.5
80	MP4B	My	.032	.5
81	MP4B	Mz	-.055	.5
82	MP4B	Y	-94.628	5.5
83	MP4B	My	.032	5.5
84	MP4B	Mz	-.055	5.5
85	MP4C	Y	-94.628	.5
86	MP4C	My	.032	.5
87	MP4C	Mz	.055	.5
88	MP4C	Y	-94.628	5.5
89	MP4C	My	.032	5.5
90	MP4C	Mz	.055	5.5
91	OVP	Y	-135.289	1.5
92	OVP	My	0	1.5
93	OVP	Mz	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	-148.741	.5
3	MP2A	Mx	-.087	.5
4	MP2A	X	0	5.5
5	MP2A	Z	-148.741	5.5
6	MP2A	Mx	-.087	5.5
7	MP2B	X	0	.5
8	MP2B	Z	-110.934	.5
9	MP2B	Mx	.08	.5
10	MP2B	X	0	5.5
11	MP2B	Z	-110.934	5.5
12	MP2B	Mx	.08	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP2C	X	0	.5
14	MP2C	Z	-110.934	.5
15	MP2C	Mx	-.016	.5
16	MP2C	X	0	5.5
17	MP2C	Z	-110.934	5.5
18	MP2C	Mx	-.016	5.5
19	MP2A	X	0	.5
20	MP2A	Z	-148.741	.5
21	MP2A	Mx	.087	.5
22	MP2A	X	0	5.5
23	MP2A	Z	-148.741	5.5
24	MP2A	Mx	.087	5.5
25	MP2B	X	0	.5
26	MP2B	Z	-110.934	.5
27	MP2B	Mx	.016	.5
28	MP2B	X	0	5.5
29	MP2B	Z	-110.934	5.5
30	MP2B	Mx	.016	5.5
31	MP2C	X	0	.5
32	MP2C	Z	-110.934	.5
33	MP2C	Mx	-.08	.5
34	MP2C	X	0	5.5
35	MP2C	Z	-110.934	5.5
36	MP2C	Mx	-.08	5.5
37	MP5A	X	0	2
38	MP5A	Z	-86.52	2
39	MP5A	Mx	0	2
40	MP5A	X	0	4
41	MP5A	Z	-86.52	4
42	MP5A	Mx	0	4
43	MP5B	X	0	2
44	MP5B	Z	-47.034	2
45	MP5B	Mx	.02	2
46	MP5B	X	0	4
47	MP5B	Z	-47.034	4
48	MP5B	Mx	.02	4
49	MP5C	X	0	2
50	MP5C	Z	-47.034	2
51	MP5C	Mx	.02	2
52	MP5C	X	0	4
53	MP5C	Z	-47.034	4
54	MP5C	Mx	.02	4
55	MP1A	X	0	3
56	MP1A	Z	-68.848	3
57	MP1A	Mx	0	3
58	MP1B	X	0	3
59	MP1B	Z	-51.728	3
60	MP1B	Mx	-.022	3
61	MP1C	X	0	3
62	MP1C	Z	-51.728	3
63	MP1C	Mx	.022	3
64	MP2A	X	0	3
65	MP2A	Z	-68.848	3
66	MP2A	Mx	0	3
67	MP2B	X	0	3
68	MP2B	Z	-48.622	3
69	MP2B	Mx	-.021	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
70	MP2C	X	0	3
71	MP2C	Z	-48.622	3
72	MP2C	Mx	.021	3
73	MP4A	X	0	.5
74	MP4A	Z	-157.393	.5
75	MP4A	Mx	0	.5
76	MP4A	X	0	5.5
77	MP4A	Z	-157.393	5.5
78	MP4A	Mx	0	5.5
79	MP4B	X	0	.5
80	MP4B	Z	-111.735	.5
81	MP4B	Mx	.065	.5
82	MP4B	X	0	5.5
83	MP4B	Z	-111.735	5.5
84	MP4B	Mx	.065	5.5
85	MP4C	X	0	.5
86	MP4C	Z	-111.735	.5
87	MP4C	Mx	-.065	.5
88	MP4C	X	0	5.5
89	MP4C	Z	-111.735	5.5
90	MP4C	Mx	-.065	5.5
91	OVP	X	0	1.5
92	OVP	Z	-140.618	1.5
93	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	68.069	.5
2	MP2A	Z	-117.9	.5
3	MP2A	Mx	-.103	.5
4	MP2A	X	68.069	5.5
5	MP2A	Z	-117.9	5.5
6	MP2A	Mx	-.103	5.5
7	MP2B	X	49.166	.5
8	MP2B	Z	-85.158	.5
9	MP2B	Mx	.049	.5
10	MP2B	X	49.166	5.5
11	MP2B	Z	-85.158	5.5
12	MP2B	Mx	.049	5.5
13	MP2C	X	68.069	.5
14	MP2C	Z	-117.9	.5
15	MP2C	Mx	.035	.5
16	MP2C	X	68.069	5.5
17	MP2C	Z	-117.9	5.5
18	MP2C	Mx	.035	5.5
19	MP2A	X	68.069	.5
20	MP2A	Z	-117.9	.5
21	MP2A	Mx	.035	.5
22	MP2A	X	68.069	5.5
23	MP2A	Z	-117.9	5.5
24	MP2A	Mx	.035	5.5
25	MP2B	X	49.166	.5
26	MP2B	Z	-85.158	.5
27	MP2B	Mx	.049	.5
28	MP2B	X	49.166	5.5
29	MP2B	Z	-85.158	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP2B	Mx	.049	5.5
31	MP2C	X	68.069	.5
32	MP2C	Z	-117.9	.5
33	MP2C	Mx	-.103	.5
34	MP2C	X	68.069	5.5
35	MP2C	Z	-117.9	5.5
36	MP2C	Mx	-.103	5.5
37	MP5A	X	36.679	2
38	MP5A	Z	-63.53	2
39	MP5A	Mx	-.018	2
40	MP5A	X	36.679	4
41	MP5A	Z	-63.53	4
42	MP5A	Mx	-.018	4
43	MP5B	X	16.936	2
44	MP5B	Z	-29.334	2
45	MP5B	Mx	.017	2
46	MP5B	X	16.936	4
47	MP5B	Z	-29.334	4
48	MP5B	Mx	.017	4
49	MP5C	X	16.936	2
50	MP5C	Z	-29.334	2
51	MP5C	Mx	.017	2
52	MP5C	X	16.936	4
53	MP5C	Z	-29.334	4
54	MP5C	Mx	.017	4
55	MP1A	X	31.571	3
56	MP1A	Z	-54.682	3
57	MP1A	Mx	.016	3
58	MP1B	X	23.011	3
59	MP1B	Z	-39.856	3
60	MP1B	Mx	-.023	3
61	MP1C	X	31.571	3
62	MP1C	Z	-54.682	3
63	MP1C	Mx	.016	3
64	MP2A	X	31.053	3
65	MP2A	Z	-53.785	3
66	MP2A	Mx	.016	3
67	MP2B	X	20.94	3
68	MP2B	Z	-36.269	3
69	MP2B	Mx	-.021	3
70	MP2C	X	31.053	3
71	MP2C	Z	-53.785	3
72	MP2C	Mx	.016	3
73	MP4A	X	71.087	.5
74	MP4A	Z	-123.126	.5
75	MP4A	Mx	-.047	.5
76	MP4A	X	71.087	5.5
77	MP4A	Z	-123.126	5.5
78	MP4A	Mx	-.047	5.5
79	MP4B	X	48.258	.5
80	MP4B	Z	-83.585	.5
81	MP4B	Mx	.064	.5
82	MP4B	X	48.258	5.5
83	MP4B	Z	-83.585	5.5
84	MP4B	Mx	.064	5.5
85	MP4C	X	71.087	.5
86	MP4C	Z	-123.126	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
87	MP4C	Mx	-.047	.5
88	MP4C	X	71.087	5.5
89	MP4C	Z	-123.126	5.5
90	MP4C	Mx	-.047	5.5
91	OVP	X	61.45	1.5
92	OVP	Z	-106.434	1.5
93	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	96.072	.5
2	MP2A	Z	-55.467	.5
3	MP2A	Mx	-.08	.5
4	MP2A	X	96.072	5.5
5	MP2A	Z	-55.467	5.5
6	MP2A	Mx	-.08	5.5
7	MP2B	X	96.072	.5
8	MP2B	Z	-55.467	.5
9	MP2B	Mx	.016	.5
10	MP2B	X	96.072	5.5
11	MP2B	Z	-55.467	5.5
12	MP2B	Mx	.016	5.5
13	MP2C	X	128.813	.5
14	MP2C	Z	-74.37	.5
15	MP2C	Mx	.087	.5
16	MP2C	X	128.813	5.5
17	MP2C	Z	-74.37	5.5
18	MP2C	Mx	.087	5.5
19	MP2A	X	96.072	.5
20	MP2A	Z	-55.467	.5
21	MP2A	Mx	-.016	.5
22	MP2A	X	96.072	5.5
23	MP2A	Z	-55.467	5.5
24	MP2A	Mx	-.016	5.5
25	MP2B	X	96.072	.5
26	MP2B	Z	-55.467	.5
27	MP2B	Mx	.08	.5
28	MP2B	X	96.072	5.5
29	MP2B	Z	-55.467	5.5
30	MP2B	Mx	.08	5.5
31	MP2C	X	128.813	.5
32	MP2C	Z	-74.37	.5
33	MP2C	Mx	-.087	.5
34	MP2C	X	128.813	5.5
35	MP2C	Z	-74.37	5.5
36	MP2C	Mx	-.087	5.5
37	MP5A	X	40.733	2
38	MP5A	Z	-23.517	2
39	MP5A	Mx	-.02	2
40	MP5A	X	40.733	4
41	MP5A	Z	-23.517	4
42	MP5A	Mx	-.02	4
43	MP5B	X	40.733	2
44	MP5B	Z	-23.517	2
45	MP5B	Mx	.02	2
46	MP5B	X	40.733	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
47	MP5B	Z	-23.517	4
48	MP5B	Mx	.02	4
49	MP5C	X	40.733	2
50	MP5C	Z	-23.517	2
51	MP5C	Mx	.02	2
52	MP5C	X	40.733	4
53	MP5C	Z	-23.517	4
54	MP5C	Mx	.02	4
55	MP1A	X	44.798	3
56	MP1A	Z	-25.864	3
57	MP1A	Mx	.022	3
58	MP1B	X	44.798	3
59	MP1B	Z	-25.864	3
60	MP1B	Mx	-.022	3
61	MP1C	X	59.624	3
62	MP1C	Z	-34.424	3
63	MP1C	Mx	0	3
64	MP2A	X	42.107	3
65	MP2A	Z	-24.311	3
66	MP2A	Mx	.021	3
67	MP2B	X	42.107	3
68	MP2B	Z	-24.311	3
69	MP2B	Mx	-.021	3
70	MP2C	X	59.624	3
71	MP2C	Z	-34.424	3
72	MP2C	Mx	0	3
73	MP4A	X	96.765	.5
74	MP4A	Z	-55.868	.5
75	MP4A	Mx	-.065	.5
76	MP4A	X	96.765	5.5
77	MP4A	Z	-55.868	5.5
78	MP4A	Mx	-.065	5.5
79	MP4B	X	96.765	.5
80	MP4B	Z	-55.868	.5
81	MP4B	Mx	.065	.5
82	MP4B	X	96.765	5.5
83	MP4B	Z	-55.868	5.5
84	MP4B	Mx	.065	5.5
85	MP4C	X	136.306	.5
86	MP4C	Z	-78.696	.5
87	MP4C	Mx	0	.5
88	MP4C	X	136.306	5.5
89	MP4C	Z	-78.696	5.5
90	MP4C	Mx	0	5.5
91	OVP	X	98.762	1.5
92	OVP	Z	-57.02	1.5
93	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	98.332	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	-.049	.5
4	MP2A	X	98.332	5.5
5	MP2A	Z	0	5.5
6	MP2A	Mx	-.049	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP2B	X	136.139	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	-.035	.5
10	MP2B	X	136.139	5.5
11	MP2B	Z	0	5.5
12	MP2B	Mx	-.035	5.5
13	MP2C	X	136.139	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	.103	.5
16	MP2C	X	136.139	5.5
17	MP2C	Z	0	5.5
18	MP2C	Mx	.103	5.5
19	MP2A	X	98.332	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	-.049	.5
22	MP2A	X	98.332	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	-.049	5.5
25	MP2B	X	136.139	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	.103	.5
28	MP2B	X	136.139	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	.103	5.5
31	MP2C	X	136.139	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	-.035	.5
34	MP2C	X	136.139	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	-.035	5.5
37	MP5A	X	33.872	2
38	MP5A	Z	0	2
39	MP5A	Mx	-.017	2
40	MP5A	X	33.872	4
41	MP5A	Z	0	4
42	MP5A	Mx	-.017	4
43	MP5B	X	73.358	2
44	MP5B	Z	0	2
45	MP5B	Mx	.018	2
46	MP5B	X	73.358	4
47	MP5B	Z	0	4
48	MP5B	Mx	.018	4
49	MP5C	X	73.358	2
50	MP5C	Z	0	2
51	MP5C	Mx	.018	2
52	MP5C	X	73.358	4
53	MP5C	Z	0	4
54	MP5C	Mx	.018	4
55	MP1A	X	46.021	3
56	MP1A	Z	0	3
57	MP1A	Mx	.023	3
58	MP1B	X	63.141	3
59	MP1B	Z	0	3
60	MP1B	Mx	-.016	3
61	MP1C	X	63.141	3
62	MP1C	Z	0	3
63	MP1C	Mx	-.016	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	MP2A	X	41.879	3
65	MP2A	Z	0	3
66	MP2A	Mx	.021	3
67	MP2B	X	62.106	3
68	MP2B	Z	0	3
69	MP2B	Mx	-.016	3
70	MP2C	X	62.106	3
71	MP2C	Z	0	3
72	MP2C	Mx	-.016	3
73	MP4A	X	96.516	.5
74	MP4A	Z	0	.5
75	MP4A	Mx	-.064	.5
76	MP4A	X	96.516	5.5
77	MP4A	Z	0	5.5
78	MP4A	Mx	-.064	5.5
79	MP4B	X	142.174	.5
80	MP4B	Z	0	.5
81	MP4B	Mx	.047	.5
82	MP4B	X	142.174	5.5
83	MP4B	Z	0	5.5
84	MP4B	Mx	.047	5.5
85	MP4C	X	142.174	.5
86	MP4C	Z	0	.5
87	MP4C	Mx	.047	.5
88	MP4C	X	142.174	5.5
89	MP4C	Z	0	5.5
90	MP4C	Mx	.047	5.5
91	OVP	X	122.9	1.5
92	OVP	Z	0	1.5
93	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	96.072	.5
2	MP2A	Z	55.467	.5
3	MP2A	Mx	-.016	.5
4	MP2A	X	96.072	5.5
5	MP2A	Z	55.467	5.5
6	MP2A	Mx	-.016	5.5
7	MP2B	X	128.813	.5
8	MP2B	Z	74.37	.5
9	MP2B	Mx	-.087	.5
10	MP2B	X	128.813	5.5
11	MP2B	Z	74.37	5.5
12	MP2B	Mx	-.087	5.5
13	MP2C	X	96.072	.5
14	MP2C	Z	55.467	.5
15	MP2C	Mx	.08	.5
16	MP2C	X	96.072	5.5
17	MP2C	Z	55.467	5.5
18	MP2C	Mx	.08	5.5
19	MP2A	X	96.072	.5
20	MP2A	Z	55.467	.5
21	MP2A	Mx	-.08	.5
22	MP2A	X	96.072	5.5
23	MP2A	Z	55.467	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP2A	Mx	-.08	5.5
25	MP2B	X	128.813	.5
26	MP2B	Z	74.37	.5
27	MP2B	Mx	.087	.5
28	MP2B	X	128.813	5.5
29	MP2B	Z	74.37	5.5
30	MP2B	Mx	.087	5.5
31	MP2C	X	96.072	.5
32	MP2C	Z	55.467	.5
33	MP2C	Mx	.016	.5
34	MP2C	X	96.072	5.5
35	MP2C	Z	55.467	5.5
36	MP2C	Mx	.016	5.5
37	MP5A	X	40.733	2
38	MP5A	Z	23.517	2
39	MP5A	Mx	-.02	2
40	MP5A	X	40.733	4
41	MP5A	Z	23.517	4
42	MP5A	Mx	-.02	4
43	MP5B	X	74.929	2
44	MP5B	Z	43.26	2
45	MP5B	Mx	0	2
46	MP5B	X	74.929	4
47	MP5B	Z	43.26	4
48	MP5B	Mx	0	4
49	MP5C	X	74.929	2
50	MP5C	Z	43.26	2
51	MP5C	Mx	0	2
52	MP5C	X	74.929	4
53	MP5C	Z	43.26	4
54	MP5C	Mx	0	4
55	MP1A	X	44.798	3
56	MP1A	Z	25.864	3
57	MP1A	Mx	.022	3
58	MP1B	X	59.624	3
59	MP1B	Z	34.424	3
60	MP1B	Mx	0	3
61	MP1C	X	44.798	3
62	MP1C	Z	25.864	3
63	MP1C	Mx	-.022	3
64	MP2A	X	42.107	3
65	MP2A	Z	24.311	3
66	MP2A	Mx	.021	3
67	MP2B	X	59.624	3
68	MP2B	Z	34.424	3
69	MP2B	Mx	0	3
70	MP2C	X	42.107	3
71	MP2C	Z	24.311	3
72	MP2C	Mx	-.021	3
73	MP4A	X	96.765	.5
74	MP4A	Z	55.868	.5
75	MP4A	Mx	-.065	.5
76	MP4A	X	96.765	5.5
77	MP4A	Z	55.868	5.5
78	MP4A	Mx	-.065	5.5
79	MP4B	X	136.306	.5
80	MP4B	Z	78.696	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP4B	Mx	0	.5
82	MP4B	X	136.306	5.5
83	MP4B	Z	78.696	5.5
84	MP4B	Mx	0	5.5
85	MP4C	X	96.765	.5
86	MP4C	Z	55.868	.5
87	MP4C	Mx	.065	.5
88	MP4C	X	96.765	5.5
89	MP4C	Z	55.868	5.5
90	MP4C	Mx	.065	5.5
91	OVP	X	121.779	1.5
92	OVP	Z	70.309	1.5
93	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	68.069	.5
2	MP2A	Z	117.9	.5
3	MP2A	Mx	.035	.5
4	MP2A	X	68.069	5.5
5	MP2A	Z	117.9	5.5
6	MP2A	Mx	.035	5.5
7	MP2B	X	68.069	.5
8	MP2B	Z	117.9	.5
9	MP2B	Mx	-.103	.5
10	MP2B	X	68.069	5.5
11	MP2B	Z	117.9	5.5
12	MP2B	Mx	-.103	5.5
13	MP2C	X	49.166	.5
14	MP2C	Z	85.158	.5
15	MP2C	Mx	.049	.5
16	MP2C	X	49.166	5.5
17	MP2C	Z	85.158	5.5
18	MP2C	Mx	.049	5.5
19	MP2A	X	68.069	.5
20	MP2A	Z	117.9	.5
21	MP2A	Mx	-.103	.5
22	MP2A	X	68.069	5.5
23	MP2A	Z	117.9	5.5
24	MP2A	Mx	-.103	5.5
25	MP2B	X	68.069	.5
26	MP2B	Z	117.9	.5
27	MP2B	Mx	.035	.5
28	MP2B	X	68.069	5.5
29	MP2B	Z	117.9	5.5
30	MP2B	Mx	.035	5.5
31	MP2C	X	49.166	.5
32	MP2C	Z	85.158	.5
33	MP2C	Mx	.049	.5
34	MP2C	X	49.166	5.5
35	MP2C	Z	85.158	5.5
36	MP2C	Mx	.049	5.5
37	MP5A	X	36.679	2
38	MP5A	Z	63.53	2
39	MP5A	Mx	-.018	2
40	MP5A	X	36.679	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP5A	Z	63.53	4
42	MP5A	Mx	-.018	4
43	MP5B	X	36.679	2
44	MP5B	Z	63.53	2
45	MP5B	Mx	-.018	2
46	MP5B	X	36.679	4
47	MP5B	Z	63.53	4
48	MP5B	Mx	-.018	4
49	MP5C	X	36.679	2
50	MP5C	Z	63.53	2
51	MP5C	Mx	-.018	2
52	MP5C	X	36.679	4
53	MP5C	Z	63.53	4
54	MP5C	Mx	-.018	4
55	MP1A	X	31.571	3
56	MP1A	Z	54.682	3
57	MP1A	Mx	.016	3
58	MP1B	X	31.571	3
59	MP1B	Z	54.682	3
60	MP1B	Mx	.016	3
61	MP1C	X	23.011	3
62	MP1C	Z	39.856	3
63	MP1C	Mx	-.023	3
64	MP2A	X	31.053	3
65	MP2A	Z	53.785	3
66	MP2A	Mx	.016	3
67	MP2B	X	31.053	3
68	MP2B	Z	53.785	3
69	MP2B	Mx	.016	3
70	MP2C	X	20.94	3
71	MP2C	Z	36.269	3
72	MP2C	Mx	-.021	3
73	MP4A	X	71.087	.5
74	MP4A	Z	123.126	.5
75	MP4A	Mx	-.047	.5
76	MP4A	X	71.087	5.5
77	MP4A	Z	123.126	5.5
78	MP4A	Mx	-.047	5.5
79	MP4B	X	71.087	.5
80	MP4B	Z	123.126	.5
81	MP4B	Mx	-.047	.5
82	MP4B	X	71.087	5.5
83	MP4B	Z	123.126	5.5
84	MP4B	Mx	-.047	5.5
85	MP4C	X	48.258	.5
86	MP4C	Z	83.585	.5
87	MP4C	Mx	.064	.5
88	MP4C	X	48.258	5.5
89	MP4C	Z	83.585	5.5
90	MP4C	Mx	.064	5.5
91	OVP	X	74.739	1.5
92	OVP	Z	129.451	1.5
93	OVP	Mx	0	1.5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	148.741	.5
3	MP2A	Mx	.087	.5
4	MP2A	X	0	5.5
5	MP2A	Z	148.741	5.5
6	MP2A	Mx	.087	5.5
7	MP2B	X	0	.5
8	MP2B	Z	110.934	.5
9	MP2B	Mx	-.08	.5
10	MP2B	X	0	5.5
11	MP2B	Z	110.934	5.5
12	MP2B	Mx	-.08	5.5
13	MP2C	X	0	.5
14	MP2C	Z	110.934	.5
15	MP2C	Mx	.016	.5
16	MP2C	X	0	5.5
17	MP2C	Z	110.934	5.5
18	MP2C	Mx	.016	5.5
19	MP2A	X	0	.5
20	MP2A	Z	148.741	.5
21	MP2A	Mx	-.087	.5
22	MP2A	X	0	5.5
23	MP2A	Z	148.741	5.5
24	MP2A	Mx	-.087	5.5
25	MP2B	X	0	.5
26	MP2B	Z	110.934	.5
27	MP2B	Mx	-.016	.5
28	MP2B	X	0	5.5
29	MP2B	Z	110.934	5.5
30	MP2B	Mx	-.016	5.5
31	MP2C	X	0	.5
32	MP2C	Z	110.934	.5
33	MP2C	Mx	.08	.5
34	MP2C	X	0	5.5
35	MP2C	Z	110.934	5.5
36	MP2C	Mx	.08	5.5
37	MP5A	X	0	2
38	MP5A	Z	86.52	2
39	MP5A	Mx	0	2
40	MP5A	X	0	4
41	MP5A	Z	86.52	4
42	MP5A	Mx	0	4
43	MP5B	X	0	2
44	MP5B	Z	47.034	2
45	MP5B	Mx	-.02	2
46	MP5B	X	0	4
47	MP5B	Z	47.034	4
48	MP5B	Mx	-.02	4
49	MP5C	X	0	2
50	MP5C	Z	47.034	2
51	MP5C	Mx	-.02	2
52	MP5C	X	0	4
53	MP5C	Z	47.034	4
54	MP5C	Mx	-.02	4
55	MP1A	X	0	3
56	MP1A	Z	68.848	3
57	MP1A	Mx	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP1B	X	0	3
59	MP1B	Z	51.728	3
60	MP1B	Mx	.022	3
61	MP1C	X	0	3
62	MP1C	Z	51.728	3
63	MP1C	Mx	-.022	3
64	MP2A	X	0	3
65	MP2A	Z	68.848	3
66	MP2A	Mx	0	3
67	MP2B	X	0	3
68	MP2B	Z	48.622	3
69	MP2B	Mx	.021	3
70	MP2C	X	0	3
71	MP2C	Z	48.622	3
72	MP2C	Mx	-.021	3
73	MP4A	X	0	.5
74	MP4A	Z	157.393	.5
75	MP4A	Mx	0	.5
76	MP4A	X	0	5.5
77	MP4A	Z	157.393	5.5
78	MP4A	Mx	0	5.5
79	MP4B	X	0	.5
80	MP4B	Z	111.735	.5
81	MP4B	Mx	-.065	.5
82	MP4B	X	0	5.5
83	MP4B	Z	111.735	5.5
84	MP4B	Mx	-.065	5.5
85	MP4C	X	0	.5
86	MP4C	Z	111.735	.5
87	MP4C	Mx	.065	.5
88	MP4C	X	0	5.5
89	MP4C	Z	111.735	5.5
90	MP4C	Mx	.065	5.5
91	OVP	X	0	1.5
92	OVP	Z	140.618	1.5
93	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-68.069	.5
2	MP2A	Z	117.9	.5
3	MP2A	Mx	.103	.5
4	MP2A	X	-68.069	5.5
5	MP2A	Z	117.9	5.5
6	MP2A	Mx	.103	5.5
7	MP2B	X	-49.166	.5
8	MP2B	Z	85.158	.5
9	MP2B	Mx	-.049	.5
10	MP2B	X	-49.166	5.5
11	MP2B	Z	85.158	5.5
12	MP2B	Mx	-.049	5.5
13	MP2C	X	-68.069	.5
14	MP2C	Z	117.9	.5
15	MP2C	Mx	-.035	.5
16	MP2C	X	-68.069	5.5
17	MP2C	Z	117.9	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2C	Mx	-.035	5.5
19	MP2A	X	-68.069	.5
20	MP2A	Z	117.9	.5
21	MP2A	Mx	-.035	.5
22	MP2A	X	-68.069	5.5
23	MP2A	Z	117.9	5.5
24	MP2A	Mx	-.035	5.5
25	MP2B	X	-49.166	.5
26	MP2B	Z	85.158	.5
27	MP2B	Mx	-.049	.5
28	MP2B	X	-49.166	5.5
29	MP2B	Z	85.158	5.5
30	MP2B	Mx	-.049	5.5
31	MP2C	X	-68.069	.5
32	MP2C	Z	117.9	.5
33	MP2C	Mx	.103	.5
34	MP2C	X	-68.069	5.5
35	MP2C	Z	117.9	5.5
36	MP2C	Mx	.103	5.5
37	MP5A	X	-36.679	2
38	MP5A	Z	63.53	2
39	MP5A	Mx	.018	2
40	MP5A	X	-36.679	4
41	MP5A	Z	63.53	4
42	MP5A	Mx	.018	4
43	MP5B	X	-16.936	2
44	MP5B	Z	29.334	2
45	MP5B	Mx	-.017	2
46	MP5B	X	-16.936	4
47	MP5B	Z	29.334	4
48	MP5B	Mx	-.017	4
49	MP5C	X	-16.936	2
50	MP5C	Z	29.334	2
51	MP5C	Mx	-.017	2
52	MP5C	X	-16.936	4
53	MP5C	Z	29.334	4
54	MP5C	Mx	-.017	4
55	MP1A	X	-31.571	3
56	MP1A	Z	54.682	3
57	MP1A	Mx	-.016	3
58	MP1B	X	-23.011	3
59	MP1B	Z	39.856	3
60	MP1B	Mx	.023	3
61	MP1C	X	-31.571	3
62	MP1C	Z	54.682	3
63	MP1C	Mx	-.016	3
64	MP2A	X	-31.053	3
65	MP2A	Z	53.785	3
66	MP2A	Mx	-.016	3
67	MP2B	X	-20.94	3
68	MP2B	Z	36.269	3
69	MP2B	Mx	.021	3
70	MP2C	X	-31.053	3
71	MP2C	Z	53.785	3
72	MP2C	Mx	-.016	3
73	MP4A	X	-71.087	.5
74	MP4A	Z	123.126	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP4A	Mx	.047	.5
76	MP4A	X	-71.087	5.5
77	MP4A	Z	123.126	5.5
78	MP4A	Mx	.047	5.5
79	MP4B	X	-48.258	.5
80	MP4B	Z	83.585	.5
81	MP4B	Mx	-.064	.5
82	MP4B	X	-48.258	5.5
83	MP4B	Z	83.585	5.5
84	MP4B	Mx	-.064	5.5
85	MP4C	X	-71.087	.5
86	MP4C	Z	123.126	.5
87	MP4C	Mx	.047	.5
88	MP4C	X	-71.087	5.5
89	MP4C	Z	123.126	5.5
90	MP4C	Mx	.047	5.5
91	OVP	X	-61.45	1.5
92	OVP	Z	106.434	1.5
93	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-96.072	.5
2	MP2A	Z	55.467	.5
3	MP2A	Mx	.08	.5
4	MP2A	X	-96.072	5.5
5	MP2A	Z	55.467	5.5
6	MP2A	Mx	.08	5.5
7	MP2B	X	-96.072	.5
8	MP2B	Z	55.467	.5
9	MP2B	Mx	-.016	.5
10	MP2B	X	-96.072	5.5
11	MP2B	Z	55.467	5.5
12	MP2B	Mx	-.016	5.5
13	MP2C	X	-128.813	.5
14	MP2C	Z	74.37	.5
15	MP2C	Mx	-.087	.5
16	MP2C	X	-128.813	5.5
17	MP2C	Z	74.37	5.5
18	MP2C	Mx	-.087	5.5
19	MP2A	X	-96.072	.5
20	MP2A	Z	55.467	.5
21	MP2A	Mx	.016	.5
22	MP2A	X	-96.072	5.5
23	MP2A	Z	55.467	5.5
24	MP2A	Mx	.016	5.5
25	MP2B	X	-96.072	.5
26	MP2B	Z	55.467	.5
27	MP2B	Mx	-.08	.5
28	MP2B	X	-96.072	5.5
29	MP2B	Z	55.467	5.5
30	MP2B	Mx	-.08	5.5
31	MP2C	X	-128.813	.5
32	MP2C	Z	74.37	.5
33	MP2C	Mx	.087	.5
34	MP2C	X	-128.813	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP2C	Z	74.37	5.5
36	MP2C	Mx	.087	5.5
37	MP5A	X	-40.733	2
38	MP5A	Z	23.517	2
39	MP5A	Mx	.02	2
40	MP5A	X	-40.733	4
41	MP5A	Z	23.517	4
42	MP5A	Mx	.02	4
43	MP5B	X	-40.733	2
44	MP5B	Z	23.517	2
45	MP5B	Mx	-.02	2
46	MP5B	X	-40.733	4
47	MP5B	Z	23.517	4
48	MP5B	Mx	-.02	4
49	MP5C	X	-40.733	2
50	MP5C	Z	23.517	2
51	MP5C	Mx	-.02	2
52	MP5C	X	-40.733	4
53	MP5C	Z	23.517	4
54	MP5C	Mx	-.02	4
55	MP1A	X	-44.798	3
56	MP1A	Z	25.864	3
57	MP1A	Mx	-.022	3
58	MP1B	X	-44.798	3
59	MP1B	Z	25.864	3
60	MP1B	Mx	.022	3
61	MP1C	X	-59.624	3
62	MP1C	Z	34.424	3
63	MP1C	Mx	0	3
64	MP2A	X	-42.107	3
65	MP2A	Z	24.311	3
66	MP2A	Mx	-.021	3
67	MP2B	X	-42.107	3
68	MP2B	Z	24.311	3
69	MP2B	Mx	.021	3
70	MP2C	X	-59.624	3
71	MP2C	Z	34.424	3
72	MP2C	Mx	0	3
73	MP4A	X	-96.765	.5
74	MP4A	Z	55.868	.5
75	MP4A	Mx	.065	.5
76	MP4A	X	-96.765	5.5
77	MP4A	Z	55.868	5.5
78	MP4A	Mx	.065	5.5
79	MP4B	X	-96.765	.5
80	MP4B	Z	55.868	.5
81	MP4B	Mx	-.065	.5
82	MP4B	X	-96.765	5.5
83	MP4B	Z	55.868	5.5
84	MP4B	Mx	-.065	5.5
85	MP4C	X	-136.306	.5
86	MP4C	Z	78.696	.5
87	MP4C	Mx	0	.5
88	MP4C	X	-136.306	5.5
89	MP4C	Z	78.696	5.5
90	MP4C	Mx	0	5.5
91	OVP	X	-98.762	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	OVP	Z	57.02	1.5
93	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-98.332	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	.049	.5
4	MP2A	X	-98.332	5.5
5	MP2A	Z	0	5.5
6	MP2A	Mx	.049	5.5
7	MP2B	X	-136.139	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	.035	.5
10	MP2B	X	-136.139	5.5
11	MP2B	Z	0	5.5
12	MP2B	Mx	.035	5.5
13	MP2C	X	-136.139	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	-.103	.5
16	MP2C	X	-136.139	5.5
17	MP2C	Z	0	5.5
18	MP2C	Mx	-.103	5.5
19	MP2A	X	-98.332	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	.049	.5
22	MP2A	X	-98.332	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	.049	5.5
25	MP2B	X	-136.139	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	-.103	.5
28	MP2B	X	-136.139	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	-.103	5.5
31	MP2C	X	-136.139	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	.035	.5
34	MP2C	X	-136.139	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	.035	5.5
37	MP5A	X	-33.872	2
38	MP5A	Z	0	2
39	MP5A	Mx	.017	2
40	MP5A	X	-33.872	4
41	MP5A	Z	0	4
42	MP5A	Mx	.017	4
43	MP5B	X	-73.358	2
44	MP5B	Z	0	2
45	MP5B	Mx	-.018	2
46	MP5B	X	-73.358	4
47	MP5B	Z	0	4
48	MP5B	Mx	-.018	4
49	MP5C	X	-73.358	2
50	MP5C	Z	0	2
51	MP5C	Mx	-.018	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP5C	X	-73.358	4
53	MP5C	Z	0	4
54	MP5C	Mx	-.018	4
55	MP1A	X	-46.021	3
56	MP1A	Z	0	3
57	MP1A	Mx	-.023	3
58	MP1B	X	-63.141	3
59	MP1B	Z	0	3
60	MP1B	Mx	.016	3
61	MP1C	X	-63.141	3
62	MP1C	Z	0	3
63	MP1C	Mx	.016	3
64	MP2A	X	-41.879	3
65	MP2A	Z	0	3
66	MP2A	Mx	-.021	3
67	MP2B	X	-62.106	3
68	MP2B	Z	0	3
69	MP2B	Mx	.016	3
70	MP2C	X	-62.106	3
71	MP2C	Z	0	3
72	MP2C	Mx	.016	3
73	MP4A	X	-96.516	.5
74	MP4A	Z	0	.5
75	MP4A	Mx	.064	.5
76	MP4A	X	-96.516	5.5
77	MP4A	Z	0	5.5
78	MP4A	Mx	.064	5.5
79	MP4B	X	-142.174	.5
80	MP4B	Z	0	.5
81	MP4B	Mx	-.047	.5
82	MP4B	X	-142.174	5.5
83	MP4B	Z	0	5.5
84	MP4B	Mx	-.047	5.5
85	MP4C	X	-142.174	.5
86	MP4C	Z	0	.5
87	MP4C	Mx	-.047	.5
88	MP4C	X	-142.174	5.5
89	MP4C	Z	0	5.5
90	MP4C	Mx	-.047	5.5
91	OVP	X	-122.9	1.5
92	OVP	Z	0	1.5
93	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-96.072	.5
2	MP2A	Z	-55.467	.5
3	MP2A	Mx	.016	.5
4	MP2A	X	-96.072	5.5
5	MP2A	Z	-55.467	5.5
6	MP2A	Mx	.016	5.5
7	MP2B	X	-128.813	.5
8	MP2B	Z	-74.37	.5
9	MP2B	Mx	.087	.5
10	MP2B	X	-128.813	5.5
11	MP2B	Z	-74.37	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP2B	Mx	.087	5.5
13	MP2C	X	-96.072	.5
14	MP2C	Z	-55.467	.5
15	MP2C	Mx	-.08	.5
16	MP2C	X	-96.072	5.5
17	MP2C	Z	-55.467	5.5
18	MP2C	Mx	-.08	5.5
19	MP2A	X	-96.072	.5
20	MP2A	Z	-55.467	.5
21	MP2A	Mx	.08	.5
22	MP2A	X	-96.072	5.5
23	MP2A	Z	-55.467	5.5
24	MP2A	Mx	.08	5.5
25	MP2B	X	-128.813	.5
26	MP2B	Z	-74.37	.5
27	MP2B	Mx	-.087	.5
28	MP2B	X	-128.813	5.5
29	MP2B	Z	-74.37	5.5
30	MP2B	Mx	-.087	5.5
31	MP2C	X	-96.072	.5
32	MP2C	Z	-55.467	.5
33	MP2C	Mx	-.016	.5
34	MP2C	X	-96.072	5.5
35	MP2C	Z	-55.467	5.5
36	MP2C	Mx	-.016	5.5
37	MP5A	X	-40.733	2
38	MP5A	Z	-23.517	2
39	MP5A	Mx	.02	2
40	MP5A	X	-40.733	4
41	MP5A	Z	-23.517	4
42	MP5A	Mx	.02	4
43	MP5B	X	-74.929	2
44	MP5B	Z	-43.26	2
45	MP5B	Mx	0	2
46	MP5B	X	-74.929	4
47	MP5B	Z	-43.26	4
48	MP5B	Mx	0	4
49	MP5C	X	-74.929	2
50	MP5C	Z	-43.26	2
51	MP5C	Mx	0	2
52	MP5C	X	-74.929	4
53	MP5C	Z	-43.26	4
54	MP5C	Mx	0	4
55	MP1A	X	-44.798	3
56	MP1A	Z	-25.864	3
57	MP1A	Mx	-.022	3
58	MP1B	X	-59.624	3
59	MP1B	Z	-34.424	3
60	MP1B	Mx	0	3
61	MP1C	X	-44.798	3
62	MP1C	Z	-25.864	3
63	MP1C	Mx	.022	3
64	MP2A	X	-42.107	3
65	MP2A	Z	-24.311	3
66	MP2A	Mx	-.021	3
67	MP2B	X	-59.624	3
68	MP2B	Z	-34.424	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP2B	Mx	0	3
70	MP2C	X	-42.107	3
71	MP2C	Z	-24.311	3
72	MP2C	Mx	.021	3
73	MP4A	X	-96.765	.5
74	MP4A	Z	-55.868	.5
75	MP4A	Mx	.065	.5
76	MP4A	X	-96.765	5.5
77	MP4A	Z	-55.868	5.5
78	MP4A	Mx	.065	5.5
79	MP4B	X	-136.306	.5
80	MP4B	Z	-78.696	.5
81	MP4B	Mx	0	.5
82	MP4B	X	-136.306	5.5
83	MP4B	Z	-78.696	5.5
84	MP4B	Mx	0	5.5
85	MP4C	X	-96.765	.5
86	MP4C	Z	-55.868	.5
87	MP4C	Mx	-.065	.5
88	MP4C	X	-96.765	5.5
89	MP4C	Z	-55.868	5.5
90	MP4C	Mx	-.065	5.5
91	OVP	X	-121.779	1.5
92	OVP	Z	-70.309	1.5
93	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-68.069	.5
2	MP2A	Z	-117.9	.5
3	MP2A	Mx	-.035	.5
4	MP2A	X	-68.069	5.5
5	MP2A	Z	-117.9	5.5
6	MP2A	Mx	-.035	5.5
7	MP2B	X	-68.069	.5
8	MP2B	Z	-117.9	.5
9	MP2B	Mx	.103	.5
10	MP2B	X	-68.069	5.5
11	MP2B	Z	-117.9	5.5
12	MP2B	Mx	.103	5.5
13	MP2C	X	-49.166	.5
14	MP2C	Z	-85.158	.5
15	MP2C	Mx	-.049	.5
16	MP2C	X	-49.166	5.5
17	MP2C	Z	-85.158	5.5
18	MP2C	Mx	-.049	5.5
19	MP2A	X	-68.069	.5
20	MP2A	Z	-117.9	.5
21	MP2A	Mx	.103	.5
22	MP2A	X	-68.069	5.5
23	MP2A	Z	-117.9	5.5
24	MP2A	Mx	.103	5.5
25	MP2B	X	-68.069	.5
26	MP2B	Z	-117.9	.5
27	MP2B	Mx	-.035	.5
28	MP2B	X	-68.069	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2B	Z	-117.9	5.5
30	MP2B	Mx	-.035	5.5
31	MP2C	X	-49.166	.5
32	MP2C	Z	-85.158	.5
33	MP2C	Mx	-.049	.5
34	MP2C	X	-49.166	5.5
35	MP2C	Z	-85.158	5.5
36	MP2C	Mx	-.049	5.5
37	MP5A	X	-36.679	2
38	MP5A	Z	-63.53	2
39	MP5A	Mx	.018	2
40	MP5A	X	-36.679	4
41	MP5A	Z	-63.53	4
42	MP5A	Mx	.018	4
43	MP5B	X	-36.679	2
44	MP5B	Z	-63.53	2
45	MP5B	Mx	.018	2
46	MP5B	X	-36.679	4
47	MP5B	Z	-63.53	4
48	MP5B	Mx	.018	4
49	MP5C	X	-36.679	2
50	MP5C	Z	-63.53	2
51	MP5C	Mx	.018	2
52	MP5C	X	-36.679	4
53	MP5C	Z	-63.53	4
54	MP5C	Mx	.018	4
55	MP1A	X	-31.571	3
56	MP1A	Z	-54.682	3
57	MP1A	Mx	-.016	3
58	MP1B	X	-31.571	3
59	MP1B	Z	-54.682	3
60	MP1B	Mx	-.016	3
61	MP1C	X	-23.011	3
62	MP1C	Z	-39.856	3
63	MP1C	Mx	.023	3
64	MP2A	X	-31.053	3
65	MP2A	Z	-53.785	3
66	MP2A	Mx	-.016	3
67	MP2B	X	-31.053	3
68	MP2B	Z	-53.785	3
69	MP2B	Mx	-.016	3
70	MP2C	X	-20.94	3
71	MP2C	Z	-36.269	3
72	MP2C	Mx	.021	3
73	MP4A	X	-71.087	.5
74	MP4A	Z	-123.126	.5
75	MP4A	Mx	.047	.5
76	MP4A	X	-71.087	5.5
77	MP4A	Z	-123.126	5.5
78	MP4A	Mx	.047	5.5
79	MP4B	X	-71.087	.5
80	MP4B	Z	-123.126	.5
81	MP4B	Mx	.047	.5
82	MP4B	X	-71.087	5.5
83	MP4B	Z	-123.126	5.5
84	MP4B	Mx	.047	5.5
85	MP4C	X	-48.258	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP4C	Z	-83.585	.5
87	MP4C	Mx	-.064	.5
88	MP4C	X	-48.258	5.5
89	MP4C	Z	-83.585	5.5
90	MP4C	Mx	-.064	5.5
91	OVP	X	-74.739	1.5
92	OVP	Z	-129.451	1.5
93	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	-32.485	.5
3	MP2A	Mx	-.019	.5
4	MP2A	X	0	5.5
5	MP2A	Z	-32.485	5.5
6	MP2A	Mx	-.019	5.5
7	MP2B	X	0	.5
8	MP2B	Z	-25.233	.5
9	MP2B	Mx	.018	.5
10	MP2B	X	0	5.5
11	MP2B	Z	-25.233	5.5
12	MP2B	Mx	.018	5.5
13	MP2C	X	0	.5
14	MP2C	Z	-25.233	.5
15	MP2C	Mx	-.004	.5
16	MP2C	X	0	5.5
17	MP2C	Z	-25.233	5.5
18	MP2C	Mx	-.004	5.5
19	MP2A	X	0	.5
20	MP2A	Z	-32.485	.5
21	MP2A	Mx	.019	.5
22	MP2A	X	0	5.5
23	MP2A	Z	-32.485	5.5
24	MP2A	Mx	.019	5.5
25	MP2B	X	0	.5
26	MP2B	Z	-25.233	.5
27	MP2B	Mx	.004	.5
28	MP2B	X	0	5.5
29	MP2B	Z	-25.233	5.5
30	MP2B	Mx	.004	5.5
31	MP2C	X	0	.5
32	MP2C	Z	-25.233	.5
33	MP2C	Mx	-.018	.5
34	MP2C	X	0	5.5
35	MP2C	Z	-25.233	5.5
36	MP2C	Mx	-.018	5.5
37	MP5A	X	0	2
38	MP5A	Z	-19.525	2
39	MP5A	Mx	0	2
40	MP5A	X	0	4
41	MP5A	Z	-19.525	4
42	MP5A	Mx	0	4
43	MP5B	X	0	2
44	MP5B	Z	-11.371	2
45	MP5B	Mx	.005	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP5B	X	0	4
47	MP5B	Z	-11.371	4
48	MP5B	Mx	.005	4
49	MP5C	X	0	2
50	MP5C	Z	-11.371	2
51	MP5C	Mx	.005	2
52	MP5C	X	0	4
53	MP5C	Z	-11.371	4
54	MP5C	Mx	.005	4
55	MP1A	X	0	3
56	MP1A	Z	-16.888	3
57	MP1A	Mx	0	3
58	MP1B	X	0	3
59	MP1B	Z	-13.195	3
60	MP1B	Mx	-.006	3
61	MP1C	X	0	3
62	MP1C	Z	-13.195	3
63	MP1C	Mx	.006	3
64	MP2A	X	0	3
65	MP2A	Z	-16.888	3
66	MP2A	Mx	0	3
67	MP2B	X	0	3
68	MP2B	Z	-12.53	3
69	MP2B	Mx	-.005	3
70	MP2C	X	0	3
71	MP2C	Z	-12.53	3
72	MP2C	Mx	.005	3
73	MP4A	X	0	.5
74	MP4A	Z	-34.175	.5
75	MP4A	Mx	0	.5
76	MP4A	X	0	5.5
77	MP4A	Z	-34.175	5.5
78	MP4A	Mx	0	5.5
79	MP4B	X	0	.5
80	MP4B	Z	-25.448	.5
81	MP4B	Mx	.015	.5
82	MP4B	X	0	5.5
83	MP4B	Z	-25.448	5.5
84	MP4B	Mx	.015	5.5
85	MP4C	X	0	.5
86	MP4C	Z	-25.448	.5
87	MP4C	Mx	-.015	.5
88	MP4C	X	0	5.5
89	MP4C	Z	-25.448	5.5
90	MP4C	Mx	-.015	5.5
91	OVP	X	0	1.5
92	OVP	Z	-32.128	1.5
93	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	15.034	.5
2	MP2A	Z	-26.04	.5
3	MP2A	Mx	-.023	.5
4	MP2A	X	15.034	5.5
5	MP2A	Z	-26.04	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP2A	Mx	-.023	5.5
7	MP2B	X	11.408	.5
8	MP2B	Z	-19.759	.5
9	MP2B	Mx	.011	.5
10	MP2B	X	11.408	5.5
11	MP2B	Z	-19.759	5.5
12	MP2B	Mx	.011	5.5
13	MP2C	X	15.034	.5
14	MP2C	Z	-26.04	.5
15	MP2C	Mx	.008	.5
16	MP2C	X	15.034	5.5
17	MP2C	Z	-26.04	5.5
18	MP2C	Mx	.008	5.5
19	MP2A	X	15.034	.5
20	MP2A	Z	-26.04	.5
21	MP2A	Mx	.008	.5
22	MP2A	X	15.034	5.5
23	MP2A	Z	-26.04	5.5
24	MP2A	Mx	.008	5.5
25	MP2B	X	11.408	.5
26	MP2B	Z	-19.759	.5
27	MP2B	Mx	.011	.5
28	MP2B	X	11.408	5.5
29	MP2B	Z	-19.759	5.5
30	MP2B	Mx	.011	5.5
31	MP2C	X	15.034	.5
32	MP2C	Z	-26.04	.5
33	MP2C	Mx	-.023	.5
34	MP2C	X	15.034	5.5
35	MP2C	Z	-26.04	5.5
36	MP2C	Mx	-.023	5.5
37	MP5A	X	8.404	2
38	MP5A	Z	-14.555	2
39	MP5A	Mx	-.004	2
40	MP5A	X	8.404	4
41	MP5A	Z	-14.555	4
42	MP5A	Mx	-.004	4
43	MP5B	X	4.326	2
44	MP5B	Z	-7.493	2
45	MP5B	Mx	.004	2
46	MP5B	X	4.326	4
47	MP5B	Z	-7.493	4
48	MP5B	Mx	.004	4
49	MP5C	X	4.326	2
50	MP5C	Z	-7.493	2
51	MP5C	Mx	.004	2
52	MP5C	X	4.326	4
53	MP5C	Z	-7.493	4
54	MP5C	Mx	.004	4
55	MP1A	X	7.829	3
56	MP1A	Z	-13.559	3
57	MP1A	Mx	.004	3
58	MP1B	X	5.982	3
59	MP1B	Z	-10.361	3
60	MP1B	Mx	-.006	3
61	MP1C	X	7.829	3
62	MP1C	Z	-13.559	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP1C	Mx	.004	3
64	MP2A	X	7.718	3
65	MP2A	Z	-13.368	3
66	MP2A	Mx	.004	3
67	MP2B	X	5.539	3
68	MP2B	Z	-9.593	3
69	MP2B	Mx	-.006	3
70	MP2C	X	7.718	3
71	MP2C	Z	-13.368	3
72	MP2C	Mx	.004	3
73	MP4A	X	15.633	.5
74	MP4A	Z	-27.077	.5
75	MP4A	Mx	-.01	.5
76	MP4A	X	15.633	5.5
77	MP4A	Z	-27.077	5.5
78	MP4A	Mx	-.01	5.5
79	MP4B	X	11.269	.5
80	MP4B	Z	-19.519	.5
81	MP4B	Mx	.015	.5
82	MP4B	X	11.269	5.5
83	MP4B	Z	-19.519	5.5
84	MP4B	Mx	.015	5.5
85	MP4C	X	15.633	.5
86	MP4C	Z	-27.077	.5
87	MP4C	Mx	-.01	.5
88	MP4C	X	15.633	5.5
89	MP4C	Z	-27.077	5.5
90	MP4C	Mx	-.01	5.5
91	OVP	X	14.284	1.5
92	OVP	Z	-24.74	1.5
93	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	21.853	.5
2	MP2A	Z	-12.617	.5
3	MP2A	Mx	-.018	.5
4	MP2A	X	21.853	5.5
5	MP2A	Z	-12.617	5.5
6	MP2A	Mx	-.018	5.5
7	MP2B	X	21.853	.5
8	MP2B	Z	-12.617	.5
9	MP2B	Mx	.004	.5
10	MP2B	X	21.853	5.5
11	MP2B	Z	-12.617	5.5
12	MP2B	Mx	.004	5.5
13	MP2C	X	28.133	.5
14	MP2C	Z	-16.243	.5
15	MP2C	Mx	.019	.5
16	MP2C	X	28.133	5.5
17	MP2C	Z	-16.243	5.5
18	MP2C	Mx	.019	5.5
19	MP2A	X	21.853	.5
20	MP2A	Z	-12.617	.5
21	MP2A	Mx	-.004	.5
22	MP2A	X	21.853	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP2A	Z	-12.617	5.5
24	MP2A	Mx	-.004	5.5
25	MP2B	X	21.853	.5
26	MP2B	Z	-12.617	.5
27	MP2B	Mx	.018	.5
28	MP2B	X	21.853	5.5
29	MP2B	Z	-12.617	5.5
30	MP2B	Mx	.018	5.5
31	MP2C	X	28.133	.5
32	MP2C	Z	-16.243	.5
33	MP2C	Mx	-.019	.5
34	MP2C	X	28.133	5.5
35	MP2C	Z	-16.243	5.5
36	MP2C	Mx	-.019	5.5
37	MP5A	X	9.847	2
38	MP5A	Z	-5.685	2
39	MP5A	Mx	-.005	2
40	MP5A	X	9.847	4
41	MP5A	Z	-5.685	4
42	MP5A	Mx	-.005	4
43	MP5B	X	9.847	2
44	MP5B	Z	-5.685	2
45	MP5B	Mx	.005	2
46	MP5B	X	9.847	4
47	MP5B	Z	-5.685	4
48	MP5B	Mx	.005	4
49	MP5C	X	9.847	2
50	MP5C	Z	-5.685	2
51	MP5C	Mx	.005	2
52	MP5C	X	9.847	4
53	MP5C	Z	-5.685	4
54	MP5C	Mx	.005	4
55	MP1A	X	11.427	3
56	MP1A	Z	-6.597	3
57	MP1A	Mx	.006	3
58	MP1B	X	11.427	3
59	MP1B	Z	-6.597	3
60	MP1B	Mx	-.006	3
61	MP1C	X	14.626	3
62	MP1C	Z	-8.444	3
63	MP1C	Mx	0	3
64	MP2A	X	10.851	3
65	MP2A	Z	-6.265	3
66	MP2A	Mx	.005	3
67	MP2B	X	10.851	3
68	MP2B	Z	-6.265	3
69	MP2B	Mx	-.005	3
70	MP2C	X	14.626	3
71	MP2C	Z	-8.444	3
72	MP2C	Mx	0	3
73	MP4A	X	22.039	.5
74	MP4A	Z	-12.724	.5
75	MP4A	Mx	-.015	.5
76	MP4A	X	22.039	5.5
77	MP4A	Z	-12.724	5.5
78	MP4A	Mx	-.015	5.5
79	MP4B	X	22.039	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP4B	Z	-12.724	.5
81	MP4B	Mx	.015	.5
82	MP4B	X	22.039	5.5
83	MP4B	Z	-12.724	5.5
84	MP4B	Mx	.015	5.5
85	MP4C	X	29.597	.5
86	MP4C	Z	-17.088	.5
87	MP4C	Mx	0	.5
88	MP4C	X	29.597	5.5
89	MP4C	Z	-17.088	5.5
90	MP4C	Mx	0	5.5
91	OVP	X	23.199	1.5
92	OVP	Z	-13.394	1.5
93	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	22.816	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	-.011	.5
4	MP2A	X	22.816	5.5
5	MP2A	Z	0	5.5
6	MP2A	Mx	-.011	5.5
7	MP2B	X	30.068	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	-.008	.5
10	MP2B	X	30.068	5.5
11	MP2B	Z	0	5.5
12	MP2B	Mx	-.008	5.5
13	MP2C	X	30.068	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	.023	.5
16	MP2C	X	30.068	5.5
17	MP2C	Z	0	5.5
18	MP2C	Mx	.023	5.5
19	MP2A	X	22.816	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	-.011	.5
22	MP2A	X	22.816	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	-.011	5.5
25	MP2B	X	30.068	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	.023	.5
28	MP2B	X	30.068	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	.023	5.5
31	MP2C	X	30.068	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	-.008	.5
34	MP2C	X	30.068	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	-.008	5.5
37	MP5A	X	8.652	2
38	MP5A	Z	0	2
39	MP5A	Mx	-.004	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP5A	X	8.652	4
41	MP5A	Z	0	4
42	MP5A	Mx	-.004	4
43	MP5B	X	16.807	2
44	MP5B	Z	0	2
45	MP5B	Mx	.004	2
46	MP5B	X	16.807	4
47	MP5B	Z	0	4
48	MP5B	Mx	.004	4
49	MP5C	X	16.807	2
50	MP5C	Z	0	2
51	MP5C	Mx	.004	2
52	MP5C	X	16.807	4
53	MP5C	Z	0	4
54	MP5C	Mx	.004	4
55	MP1A	X	11.964	3
56	MP1A	Z	0	3
57	MP1A	Mx	.006	3
58	MP1B	X	15.657	3
59	MP1B	Z	0	3
60	MP1B	Mx	-.004	3
61	MP1C	X	15.657	3
62	MP1C	Z	0	3
63	MP1C	Mx	-.004	3
64	MP2A	X	11.077	3
65	MP2A	Z	0	3
66	MP2A	Mx	.006	3
67	MP2B	X	15.436	3
68	MP2B	Z	0	3
69	MP2B	Mx	-.004	3
70	MP2C	X	15.436	3
71	MP2C	Z	0	3
72	MP2C	Mx	-.004	3
73	MP4A	X	22.539	.5
74	MP4A	Z	0	.5
75	MP4A	Mx	-.015	.5
76	MP4A	X	22.539	5.5
77	MP4A	Z	0	5.5
78	MP4A	Mx	-.015	5.5
79	MP4B	X	31.266	.5
80	MP4B	Z	0	.5
81	MP4B	Mx	.01	.5
82	MP4B	X	31.266	5.5
83	MP4B	Z	0	5.5
84	MP4B	Mx	.01	5.5
85	MP4C	X	31.266	.5
86	MP4C	Z	0	.5
87	MP4C	Mx	.01	.5
88	MP4C	X	31.266	5.5
89	MP4C	Z	0	5.5
90	MP4C	Mx	.01	5.5
91	OVP	X	28.568	1.5
92	OVP	Z	0	1.5
93	OVP	Mx	0	1.5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	21.853	.5
2	MP2A	Z	12.617	.5
3	MP2A	Mx	-.004	.5
4	MP2A	X	21.853	5.5
5	MP2A	Z	12.617	5.5
6	MP2A	Mx	-.004	5.5
7	MP2B	X	28.133	.5
8	MP2B	Z	16.243	.5
9	MP2B	Mx	-.019	.5
10	MP2B	X	28.133	5.5
11	MP2B	Z	16.243	5.5
12	MP2B	Mx	-.019	5.5
13	MP2C	X	21.853	.5
14	MP2C	Z	12.617	.5
15	MP2C	Mx	.018	.5
16	MP2C	X	21.853	5.5
17	MP2C	Z	12.617	5.5
18	MP2C	Mx	.018	5.5
19	MP2A	X	21.853	.5
20	MP2A	Z	12.617	.5
21	MP2A	Mx	-.018	.5
22	MP2A	X	21.853	5.5
23	MP2A	Z	12.617	5.5
24	MP2A	Mx	-.018	5.5
25	MP2B	X	28.133	.5
26	MP2B	Z	16.243	.5
27	MP2B	Mx	.019	.5
28	MP2B	X	28.133	5.5
29	MP2B	Z	16.243	5.5
30	MP2B	Mx	.019	5.5
31	MP2C	X	21.853	.5
32	MP2C	Z	12.617	.5
33	MP2C	Mx	.004	.5
34	MP2C	X	21.853	5.5
35	MP2C	Z	12.617	5.5
36	MP2C	Mx	.004	5.5
37	MP5A	X	9.847	2
38	MP5A	Z	5.685	2
39	MP5A	Mx	-.005	2
40	MP5A	X	9.847	4
41	MP5A	Z	5.685	4
42	MP5A	Mx	-.005	4
43	MP5B	X	16.909	2
44	MP5B	Z	9.763	2
45	MP5B	Mx	0	2
46	MP5B	X	16.909	4
47	MP5B	Z	9.763	4
48	MP5B	Mx	0	4
49	MP5C	X	16.909	2
50	MP5C	Z	9.763	2
51	MP5C	Mx	0	2
52	MP5C	X	16.909	4
53	MP5C	Z	9.763	4
54	MP5C	Mx	0	4
55	MP1A	X	11.427	3
56	MP1A	Z	6.597	3
57	MP1A	Mx	.006	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP1B	X	14.626	3
59	MP1B	Z	8.444	3
60	MP1B	Mx	0	3
61	MP1C	X	11.427	3
62	MP1C	Z	6.597	3
63	MP1C	Mx	-.006	3
64	MP2A	X	10.851	3
65	MP2A	Z	6.265	3
66	MP2A	Mx	.005	3
67	MP2B	X	14.626	3
68	MP2B	Z	8.444	3
69	MP2B	Mx	0	3
70	MP2C	X	10.851	3
71	MP2C	Z	6.265	3
72	MP2C	Mx	-.005	3
73	MP4A	X	22.039	.5
74	MP4A	Z	12.724	.5
75	MP4A	Mx	-.015	.5
76	MP4A	X	22.039	5.5
77	MP4A	Z	12.724	5.5
78	MP4A	Mx	-.015	5.5
79	MP4B	X	29.597	.5
80	MP4B	Z	17.088	.5
81	MP4B	Mx	0	.5
82	MP4B	X	29.597	5.5
83	MP4B	Z	17.088	5.5
84	MP4B	Mx	0	5.5
85	MP4C	X	22.039	.5
86	MP4C	Z	12.724	.5
87	MP4C	Mx	.015	.5
88	MP4C	X	22.039	5.5
89	MP4C	Z	12.724	5.5
90	MP4C	Mx	.015	5.5
91	OVP	X	27.824	1.5
92	OVP	Z	16.064	1.5
93	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	15.034	.5
2	MP2A	Z	26.04	.5
3	MP2A	Mx	.008	.5
4	MP2A	X	15.034	5.5
5	MP2A	Z	26.04	5.5
6	MP2A	Mx	.008	5.5
7	MP2B	X	15.034	.5
8	MP2B	Z	26.04	.5
9	MP2B	Mx	-.023	.5
10	MP2B	X	15.034	5.5
11	MP2B	Z	26.04	5.5
12	MP2B	Mx	-.023	5.5
13	MP2C	X	11.408	.5
14	MP2C	Z	19.759	.5
15	MP2C	Mx	.011	.5
16	MP2C	X	11.408	5.5
17	MP2C	Z	19.759	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2C	Mx	.011	5.5
19	MP2A	X	15.034	.5
20	MP2A	Z	26.04	.5
21	MP2A	Mx	-.023	.5
22	MP2A	X	15.034	5.5
23	MP2A	Z	26.04	5.5
24	MP2A	Mx	-.023	5.5
25	MP2B	X	15.034	.5
26	MP2B	Z	26.04	.5
27	MP2B	Mx	.008	.5
28	MP2B	X	15.034	5.5
29	MP2B	Z	26.04	5.5
30	MP2B	Mx	.008	5.5
31	MP2C	X	11.408	.5
32	MP2C	Z	19.759	.5
33	MP2C	Mx	.011	.5
34	MP2C	X	11.408	5.5
35	MP2C	Z	19.759	5.5
36	MP2C	Mx	.011	5.5
37	MP5A	X	8.404	2
38	MP5A	Z	14.555	2
39	MP5A	Mx	-.004	2
40	MP5A	X	8.404	4
41	MP5A	Z	14.555	4
42	MP5A	Mx	-.004	4
43	MP5B	X	8.404	2
44	MP5B	Z	14.555	2
45	MP5B	Mx	-.004	2
46	MP5B	X	8.404	4
47	MP5B	Z	14.555	4
48	MP5B	Mx	-.004	4
49	MP5C	X	8.404	2
50	MP5C	Z	14.555	2
51	MP5C	Mx	-.004	2
52	MP5C	X	8.404	4
53	MP5C	Z	14.555	4
54	MP5C	Mx	-.004	4
55	MP1A	X	7.829	3
56	MP1A	Z	13.559	3
57	MP1A	Mx	.004	3
58	MP1B	X	7.829	3
59	MP1B	Z	13.559	3
60	MP1B	Mx	.004	3
61	MP1C	X	5.982	3
62	MP1C	Z	10.361	3
63	MP1C	Mx	-.006	3
64	MP2A	X	7.718	3
65	MP2A	Z	13.368	3
66	MP2A	Mx	.004	3
67	MP2B	X	7.718	3
68	MP2B	Z	13.368	3
69	MP2B	Mx	.004	3
70	MP2C	X	5.539	3
71	MP2C	Z	9.593	3
72	MP2C	Mx	-.006	3
73	MP4A	X	15.633	.5
74	MP4A	Z	27.077	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP4A	Mx	-.01	.5
76	MP4A	X	15.633	5.5
77	MP4A	Z	27.077	5.5
78	MP4A	Mx	-.01	5.5
79	MP4B	X	15.633	.5
80	MP4B	Z	27.077	.5
81	MP4B	Mx	-.01	.5
82	MP4B	X	15.633	5.5
83	MP4B	Z	27.077	5.5
84	MP4B	Mx	-.01	5.5
85	MP4C	X	11.269	.5
86	MP4C	Z	19.519	.5
87	MP4C	Mx	.015	.5
88	MP4C	X	11.269	5.5
89	MP4C	Z	19.519	5.5
90	MP4C	Mx	.015	5.5
91	OVP	X	16.954	1.5
92	OVP	Z	29.365	1.5
93	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	32.485	.5
3	MP2A	Mx	.019	.5
4	MP2A	X	0	5.5
5	MP2A	Z	32.485	5.5
6	MP2A	Mx	.019	5.5
7	MP2B	X	0	.5
8	MP2B	Z	25.233	.5
9	MP2B	Mx	-.018	.5
10	MP2B	X	0	5.5
11	MP2B	Z	25.233	5.5
12	MP2B	Mx	-.018	5.5
13	MP2C	X	0	.5
14	MP2C	Z	25.233	.5
15	MP2C	Mx	.004	.5
16	MP2C	X	0	5.5
17	MP2C	Z	25.233	5.5
18	MP2C	Mx	.004	5.5
19	MP2A	X	0	.5
20	MP2A	Z	32.485	.5
21	MP2A	Mx	-.019	.5
22	MP2A	X	0	5.5
23	MP2A	Z	32.485	5.5
24	MP2A	Mx	-.019	5.5
25	MP2B	X	0	.5
26	MP2B	Z	25.233	.5
27	MP2B	Mx	-.004	.5
28	MP2B	X	0	5.5
29	MP2B	Z	25.233	5.5
30	MP2B	Mx	-.004	5.5
31	MP2C	X	0	.5
32	MP2C	Z	25.233	.5
33	MP2C	Mx	.018	.5
34	MP2C	X	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP2C	Z	25.233	5.5
36	MP2C	Mx	.018	5.5
37	MP5A	X	0	2
38	MP5A	Z	19.525	2
39	MP5A	Mx	0	2
40	MP5A	X	0	4
41	MP5A	Z	19.525	4
42	MP5A	Mx	0	4
43	MP5B	X	0	2
44	MP5B	Z	11.371	2
45	MP5B	Mx	-.005	2
46	MP5B	X	0	4
47	MP5B	Z	11.371	4
48	MP5B	Mx	-.005	4
49	MP5C	X	0	2
50	MP5C	Z	11.371	2
51	MP5C	Mx	-.005	2
52	MP5C	X	0	4
53	MP5C	Z	11.371	4
54	MP5C	Mx	-.005	4
55	MP1A	X	0	3
56	MP1A	Z	16.888	3
57	MP1A	Mx	0	3
58	MP1B	X	0	3
59	MP1B	Z	13.195	3
60	MP1B	Mx	.006	3
61	MP1C	X	0	3
62	MP1C	Z	13.195	3
63	MP1C	Mx	-.006	3
64	MP2A	X	0	3
65	MP2A	Z	16.888	3
66	MP2A	Mx	0	3
67	MP2B	X	0	3
68	MP2B	Z	12.53	3
69	MP2B	Mx	.005	3
70	MP2C	X	0	3
71	MP2C	Z	12.53	3
72	MP2C	Mx	-.005	3
73	MP4A	X	0	.5
74	MP4A	Z	34.175	.5
75	MP4A	Mx	0	.5
76	MP4A	X	0	5.5
77	MP4A	Z	34.175	5.5
78	MP4A	Mx	0	5.5
79	MP4B	X	0	.5
80	MP4B	Z	25.448	.5
81	MP4B	Mx	-.015	.5
82	MP4B	X	0	5.5
83	MP4B	Z	25.448	5.5
84	MP4B	Mx	-.015	5.5
85	MP4C	X	0	.5
86	MP4C	Z	25.448	.5
87	MP4C	Mx	.015	.5
88	MP4C	X	0	5.5
89	MP4C	Z	25.448	5.5
90	MP4C	Mx	.015	5.5
91	OVP	X	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	OVP	Z	32.128	1.5
93	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-15.034	.5
2	MP2A	Z	26.04	.5
3	MP2A	Mx	.023	.5
4	MP2A	X	-15.034	5.5
5	MP2A	Z	26.04	5.5
6	MP2A	Mx	.023	5.5
7	MP2B	X	-11.408	.5
8	MP2B	Z	19.759	.5
9	MP2B	Mx	-.011	.5
10	MP2B	X	-11.408	5.5
11	MP2B	Z	19.759	5.5
12	MP2B	Mx	-.011	5.5
13	MP2C	X	-15.034	.5
14	MP2C	Z	26.04	.5
15	MP2C	Mx	-.008	.5
16	MP2C	X	-15.034	5.5
17	MP2C	Z	26.04	5.5
18	MP2C	Mx	-.008	5.5
19	MP2A	X	-15.034	.5
20	MP2A	Z	26.04	.5
21	MP2A	Mx	-.008	.5
22	MP2A	X	-15.034	5.5
23	MP2A	Z	26.04	5.5
24	MP2A	Mx	-.008	5.5
25	MP2B	X	-11.408	.5
26	MP2B	Z	19.759	.5
27	MP2B	Mx	-.011	.5
28	MP2B	X	-11.408	5.5
29	MP2B	Z	19.759	5.5
30	MP2B	Mx	-.011	5.5
31	MP2C	X	-15.034	.5
32	MP2C	Z	26.04	.5
33	MP2C	Mx	.023	.5
34	MP2C	X	-15.034	5.5
35	MP2C	Z	26.04	5.5
36	MP2C	Mx	.023	5.5
37	MP5A	X	-8.404	2
38	MP5A	Z	14.555	2
39	MP5A	Mx	.004	2
40	MP5A	X	-8.404	4
41	MP5A	Z	14.555	4
42	MP5A	Mx	.004	4
43	MP5B	X	-4.326	2
44	MP5B	Z	7.493	2
45	MP5B	Mx	-.004	2
46	MP5B	X	-4.326	4
47	MP5B	Z	7.493	4
48	MP5B	Mx	-.004	4
49	MP5C	X	-4.326	2
50	MP5C	Z	7.493	2
51	MP5C	Mx	-.004	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP5C	X	-4.326	4
53	MP5C	Z	7.493	4
54	MP5C	Mx	-.004	4
55	MP1A	X	-7.829	3
56	MP1A	Z	13.559	3
57	MP1A	Mx	-.004	3
58	MP1B	X	-5.982	3
59	MP1B	Z	10.361	3
60	MP1B	Mx	.006	3
61	MP1C	X	-7.829	3
62	MP1C	Z	13.559	3
63	MP1C	Mx	-.004	3
64	MP2A	X	-7.718	3
65	MP2A	Z	13.368	3
66	MP2A	Mx	-.004	3
67	MP2B	X	-5.539	3
68	MP2B	Z	9.593	3
69	MP2B	Mx	.006	3
70	MP2C	X	-7.718	3
71	MP2C	Z	13.368	3
72	MP2C	Mx	-.004	3
73	MP4A	X	-15.633	.5
74	MP4A	Z	27.077	.5
75	MP4A	Mx	.01	.5
76	MP4A	X	-15.633	5.5
77	MP4A	Z	27.077	5.5
78	MP4A	Mx	.01	5.5
79	MP4B	X	-11.269	.5
80	MP4B	Z	19.519	.5
81	MP4B	Mx	-.015	.5
82	MP4B	X	-11.269	5.5
83	MP4B	Z	19.519	5.5
84	MP4B	Mx	-.015	5.5
85	MP4C	X	-15.633	.5
86	MP4C	Z	27.077	.5
87	MP4C	Mx	.01	.5
88	MP4C	X	-15.633	5.5
89	MP4C	Z	27.077	5.5
90	MP4C	Mx	.01	5.5
91	OVP	X	-14.284	1.5
92	OVP	Z	24.74	1.5
93	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-21.853	.5
2	MP2A	Z	12.617	.5
3	MP2A	Mx	.018	.5
4	MP2A	X	-21.853	5.5
5	MP2A	Z	12.617	5.5
6	MP2A	Mx	.018	5.5
7	MP2B	X	-21.853	.5
8	MP2B	Z	12.617	.5
9	MP2B	Mx	-.004	.5
10	MP2B	X	-21.853	5.5
11	MP2B	Z	12.617	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP2B	Mx	-.004	5.5
13	MP2C	X	-28.133	.5
14	MP2C	Z	16.243	.5
15	MP2C	Mx	-.019	.5
16	MP2C	X	-28.133	5.5
17	MP2C	Z	16.243	5.5
18	MP2C	Mx	-.019	5.5
19	MP2A	X	-21.853	.5
20	MP2A	Z	12.617	.5
21	MP2A	Mx	.004	.5
22	MP2A	X	-21.853	5.5
23	MP2A	Z	12.617	5.5
24	MP2A	Mx	.004	5.5
25	MP2B	X	-21.853	.5
26	MP2B	Z	12.617	.5
27	MP2B	Mx	-.018	.5
28	MP2B	X	-21.853	5.5
29	MP2B	Z	12.617	5.5
30	MP2B	Mx	-.018	5.5
31	MP2C	X	-28.133	.5
32	MP2C	Z	16.243	.5
33	MP2C	Mx	.019	.5
34	MP2C	X	-28.133	5.5
35	MP2C	Z	16.243	5.5
36	MP2C	Mx	.019	5.5
37	MP5A	X	-9.847	2
38	MP5A	Z	5.685	2
39	MP5A	Mx	.005	2
40	MP5A	X	-9.847	4
41	MP5A	Z	5.685	4
42	MP5A	Mx	.005	4
43	MP5B	X	-9.847	2
44	MP5B	Z	5.685	2
45	MP5B	Mx	-.005	2
46	MP5B	X	-9.847	4
47	MP5B	Z	5.685	4
48	MP5B	Mx	-.005	4
49	MP5C	X	-9.847	2
50	MP5C	Z	5.685	2
51	MP5C	Mx	-.005	2
52	MP5C	X	-9.847	4
53	MP5C	Z	5.685	4
54	MP5C	Mx	-.005	4
55	MP1A	X	-11.427	3
56	MP1A	Z	6.597	3
57	MP1A	Mx	-.006	3
58	MP1B	X	-11.427	3
59	MP1B	Z	6.597	3
60	MP1B	Mx	.006	3
61	MP1C	X	-14.626	3
62	MP1C	Z	8.444	3
63	MP1C	Mx	0	3
64	MP2A	X	-10.851	3
65	MP2A	Z	6.265	3
66	MP2A	Mx	-.005	3
67	MP2B	X	-10.851	3
68	MP2B	Z	6.265	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP2B	Mx	.005	3
70	MP2C	X	-14.626	3
71	MP2C	Z	8.444	3
72	MP2C	Mx	0	3
73	MP4A	X	-22.039	.5
74	MP4A	Z	12.724	.5
75	MP4A	Mx	.015	.5
76	MP4A	X	-22.039	5.5
77	MP4A	Z	12.724	5.5
78	MP4A	Mx	.015	5.5
79	MP4B	X	-22.039	.5
80	MP4B	Z	12.724	.5
81	MP4B	Mx	-.015	.5
82	MP4B	X	-22.039	5.5
83	MP4B	Z	12.724	5.5
84	MP4B	Mx	-.015	5.5
85	MP4C	X	-29.597	.5
86	MP4C	Z	17.088	.5
87	MP4C	Mx	0	.5
88	MP4C	X	-29.597	5.5
89	MP4C	Z	17.088	5.5
90	MP4C	Mx	0	5.5
91	OVP	X	-23.199	1.5
92	OVP	Z	13.394	1.5
93	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-22.816	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	.011	.5
4	MP2A	X	-22.816	5.5
5	MP2A	Z	0	5.5
6	MP2A	Mx	.011	5.5
7	MP2B	X	-30.068	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	.008	.5
10	MP2B	X	-30.068	5.5
11	MP2B	Z	0	5.5
12	MP2B	Mx	.008	5.5
13	MP2C	X	-30.068	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	-.023	.5
16	MP2C	X	-30.068	5.5
17	MP2C	Z	0	5.5
18	MP2C	Mx	-.023	5.5
19	MP2A	X	-22.816	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	.011	.5
22	MP2A	X	-22.816	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	.011	5.5
25	MP2B	X	-30.068	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	-.023	.5
28	MP2B	X	-30.068	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2B	Z	0	5.5
30	MP2B	Mx	-.023	5.5
31	MP2C	X	-30.068	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	.008	.5
34	MP2C	X	-30.068	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	.008	5.5
37	MP5A	X	-8.652	2
38	MP5A	Z	0	2
39	MP5A	Mx	.004	2
40	MP5A	X	-8.652	4
41	MP5A	Z	0	4
42	MP5A	Mx	.004	4
43	MP5B	X	-16.807	2
44	MP5B	Z	0	2
45	MP5B	Mx	-.004	2
46	MP5B	X	-16.807	4
47	MP5B	Z	0	4
48	MP5B	Mx	-.004	4
49	MP5C	X	-16.807	2
50	MP5C	Z	0	2
51	MP5C	Mx	-.004	2
52	MP5C	X	-16.807	4
53	MP5C	Z	0	4
54	MP5C	Mx	-.004	4
55	MP1A	X	-11.964	3
56	MP1A	Z	0	3
57	MP1A	Mx	-.006	3
58	MP1B	X	-15.657	3
59	MP1B	Z	0	3
60	MP1B	Mx	.004	3
61	MP1C	X	-15.657	3
62	MP1C	Z	0	3
63	MP1C	Mx	.004	3
64	MP2A	X	-11.077	3
65	MP2A	Z	0	3
66	MP2A	Mx	-.006	3
67	MP2B	X	-15.436	3
68	MP2B	Z	0	3
69	MP2B	Mx	.004	3
70	MP2C	X	-15.436	3
71	MP2C	Z	0	3
72	MP2C	Mx	.004	3
73	MP4A	X	-22.539	.5
74	MP4A	Z	0	.5
75	MP4A	Mx	.015	.5
76	MP4A	X	-22.539	5.5
77	MP4A	Z	0	5.5
78	MP4A	Mx	.015	5.5
79	MP4B	X	-31.266	.5
80	MP4B	Z	0	.5
81	MP4B	Mx	-.01	.5
82	MP4B	X	-31.266	5.5
83	MP4B	Z	0	5.5
84	MP4B	Mx	-.01	5.5
85	MP4C	X	-31.266	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP4C	Z	0	.5
87	MP4C	Mx	-.01	.5
88	MP4C	X	-31.266	5.5
89	MP4C	Z	0	5.5
90	MP4C	Mx	-.01	5.5
91	OVP	X	-28.568	1.5
92	OVP	Z	0	1.5
93	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-21.853	.5
2	MP2A	Z	-12.617	.5
3	MP2A	Mx	.004	.5
4	MP2A	X	-21.853	5.5
5	MP2A	Z	-12.617	5.5
6	MP2A	Mx	.004	5.5
7	MP2B	X	-28.133	.5
8	MP2B	Z	-16.243	.5
9	MP2B	Mx	.019	.5
10	MP2B	X	-28.133	5.5
11	MP2B	Z	-16.243	5.5
12	MP2B	Mx	.019	5.5
13	MP2C	X	-21.853	.5
14	MP2C	Z	-12.617	.5
15	MP2C	Mx	-.018	.5
16	MP2C	X	-21.853	5.5
17	MP2C	Z	-12.617	5.5
18	MP2C	Mx	-.018	5.5
19	MP2A	X	-21.853	.5
20	MP2A	Z	-12.617	.5
21	MP2A	Mx	.018	.5
22	MP2A	X	-21.853	5.5
23	MP2A	Z	-12.617	5.5
24	MP2A	Mx	.018	5.5
25	MP2B	X	-28.133	.5
26	MP2B	Z	-16.243	.5
27	MP2B	Mx	-.019	.5
28	MP2B	X	-28.133	5.5
29	MP2B	Z	-16.243	5.5
30	MP2B	Mx	-.019	5.5
31	MP2C	X	-21.853	.5
32	MP2C	Z	-12.617	.5
33	MP2C	Mx	-.004	.5
34	MP2C	X	-21.853	5.5
35	MP2C	Z	-12.617	5.5
36	MP2C	Mx	-.004	5.5
37	MP5A	X	-9.847	2
38	MP5A	Z	-5.685	2
39	MP5A	Mx	.005	2
40	MP5A	X	-9.847	4
41	MP5A	Z	-5.685	4
42	MP5A	Mx	.005	4
43	MP5B	X	-16.909	2
44	MP5B	Z	-9.763	2
45	MP5B	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP5B	X	-16.909	4
47	MP5B	Z	-9.763	4
48	MP5B	Mx	0	4
49	MP5C	X	-16.909	2
50	MP5C	Z	-9.763	2
51	MP5C	Mx	0	2
52	MP5C	X	-16.909	4
53	MP5C	Z	-9.763	4
54	MP5C	Mx	0	4
55	MP1A	X	-11.427	3
56	MP1A	Z	-6.597	3
57	MP1A	Mx	-.006	3
58	MP1B	X	-14.626	3
59	MP1B	Z	-8.444	3
60	MP1B	Mx	0	3
61	MP1C	X	-11.427	3
62	MP1C	Z	-6.597	3
63	MP1C	Mx	.006	3
64	MP2A	X	-10.851	3
65	MP2A	Z	-6.265	3
66	MP2A	Mx	-.005	3
67	MP2B	X	-14.626	3
68	MP2B	Z	-8.444	3
69	MP2B	Mx	0	3
70	MP2C	X	-10.851	3
71	MP2C	Z	-6.265	3
72	MP2C	Mx	.005	3
73	MP4A	X	-22.039	.5
74	MP4A	Z	-12.724	.5
75	MP4A	Mx	.015	.5
76	MP4A	X	-22.039	5.5
77	MP4A	Z	-12.724	5.5
78	MP4A	Mx	.015	5.5
79	MP4B	X	-29.597	.5
80	MP4B	Z	-17.088	.5
81	MP4B	Mx	0	.5
82	MP4B	X	-29.597	5.5
83	MP4B	Z	-17.088	5.5
84	MP4B	Mx	0	5.5
85	MP4C	X	-22.039	.5
86	MP4C	Z	-12.724	.5
87	MP4C	Mx	-.015	.5
88	MP4C	X	-22.039	5.5
89	MP4C	Z	-12.724	5.5
90	MP4C	Mx	-.015	5.5
91	OVP	X	-27.824	1.5
92	OVP	Z	-16.064	1.5
93	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-15.034	.5
2	MP2A	Z	-26.04	.5
3	MP2A	Mx	-.008	.5
4	MP2A	X	-15.034	5.5
5	MP2A	Z	-26.04	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP2A	Mx	-.008	5.5
7	MP2B	X	-15.034	.5
8	MP2B	Z	-26.04	.5
9	MP2B	Mx	.023	.5
10	MP2B	X	-15.034	5.5
11	MP2B	Z	-26.04	5.5
12	MP2B	Mx	.023	5.5
13	MP2C	X	-11.408	.5
14	MP2C	Z	-19.759	.5
15	MP2C	Mx	-.011	.5
16	MP2C	X	-11.408	5.5
17	MP2C	Z	-19.759	5.5
18	MP2C	Mx	-.011	5.5
19	MP2A	X	-15.034	.5
20	MP2A	Z	-26.04	.5
21	MP2A	Mx	.023	.5
22	MP2A	X	-15.034	5.5
23	MP2A	Z	-26.04	5.5
24	MP2A	Mx	.023	5.5
25	MP2B	X	-15.034	.5
26	MP2B	Z	-26.04	.5
27	MP2B	Mx	-.008	.5
28	MP2B	X	-15.034	5.5
29	MP2B	Z	-26.04	5.5
30	MP2B	Mx	-.008	5.5
31	MP2C	X	-11.408	.5
32	MP2C	Z	-19.759	.5
33	MP2C	Mx	-.011	.5
34	MP2C	X	-11.408	5.5
35	MP2C	Z	-19.759	5.5
36	MP2C	Mx	-.011	5.5
37	MP5A	X	-8.404	2
38	MP5A	Z	-14.555	2
39	MP5A	Mx	.004	2
40	MP5A	X	-8.404	4
41	MP5A	Z	-14.555	4
42	MP5A	Mx	.004	4
43	MP5B	X	-8.404	2
44	MP5B	Z	-14.555	2
45	MP5B	Mx	.004	2
46	MP5B	X	-8.404	4
47	MP5B	Z	-14.555	4
48	MP5B	Mx	.004	4
49	MP5C	X	-8.404	2
50	MP5C	Z	-14.555	2
51	MP5C	Mx	.004	2
52	MP5C	X	-8.404	4
53	MP5C	Z	-14.555	4
54	MP5C	Mx	.004	4
55	MP1A	X	-7.829	3
56	MP1A	Z	-13.559	3
57	MP1A	Mx	-.004	3
58	MP1B	X	-7.829	3
59	MP1B	Z	-13.559	3
60	MP1B	Mx	-.004	3
61	MP1C	X	-5.982	3
62	MP1C	Z	-10.361	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP1C	Mx	.006	3
64	MP2A	X	-7.718	3
65	MP2A	Z	-13.368	3
66	MP2A	Mx	-.004	3
67	MP2B	X	-7.718	3
68	MP2B	Z	-13.368	3
69	MP2B	Mx	-.004	3
70	MP2C	X	-5.539	3
71	MP2C	Z	-9.593	3
72	MP2C	Mx	.006	3
73	MP4A	X	-15.633	.5
74	MP4A	Z	-27.077	.5
75	MP4A	Mx	.01	.5
76	MP4A	X	-15.633	5.5
77	MP4A	Z	-27.077	5.5
78	MP4A	Mx	.01	5.5
79	MP4B	X	-15.633	.5
80	MP4B	Z	-27.077	.5
81	MP4B	Mx	.01	.5
82	MP4B	X	-15.633	5.5
83	MP4B	Z	-27.077	5.5
84	MP4B	Mx	.01	5.5
85	MP4C	X	-11.269	.5
86	MP4C	Z	-19.519	.5
87	MP4C	Mx	-.015	.5
88	MP4C	X	-11.269	5.5
89	MP4C	Z	-19.519	5.5
90	MP4C	Mx	-.015	5.5
91	OVP	X	-16.954	1.5
92	OVP	Z	-29.365	1.5
93	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	-10.122	.5
3	MP2A	Mx	-.006	.5
4	MP2A	X	0	5.5
5	MP2A	Z	-10.122	5.5
6	MP2A	Mx	-.006	5.5
7	MP2B	X	0	.5
8	MP2B	Z	-7.549	.5
9	MP2B	Mx	.005	.5
10	MP2B	X	0	5.5
11	MP2B	Z	-7.549	5.5
12	MP2B	Mx	.005	5.5
13	MP2C	X	0	.5
14	MP2C	Z	-7.549	.5
15	MP2C	Mx	-.001	.5
16	MP2C	X	0	5.5
17	MP2C	Z	-7.549	5.5
18	MP2C	Mx	-.001	5.5
19	MP2A	X	0	.5
20	MP2A	Z	-10.122	.5
21	MP2A	Mx	.006	.5
22	MP2A	X	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP2A	Z	-10.122	5.5
24	MP2A	Mx	.006	5.5
25	MP2B	X	0	.5
26	MP2B	Z	-7.549	.5
27	MP2B	Mx	.001	.5
28	MP2B	X	0	5.5
29	MP2B	Z	-7.549	5.5
30	MP2B	Mx	.001	5.5
31	MP2C	X	0	.5
32	MP2C	Z	-7.549	.5
33	MP2C	Mx	-.005	.5
34	MP2C	X	0	5.5
35	MP2C	Z	-7.549	5.5
36	MP2C	Mx	-.005	5.5
37	MP5A	X	0	2
38	MP5A	Z	-5.888	2
39	MP5A	Mx	0	2
40	MP5A	X	0	4
41	MP5A	Z	-5.888	4
42	MP5A	Mx	0	4
43	MP5B	X	0	2
44	MP5B	Z	-3.201	2
45	MP5B	Mx	.001	2
46	MP5B	X	0	4
47	MP5B	Z	-3.201	4
48	MP5B	Mx	.001	4
49	MP5C	X	0	2
50	MP5C	Z	-3.201	2
51	MP5C	Mx	.001	2
52	MP5C	X	0	4
53	MP5C	Z	-3.201	4
54	MP5C	Mx	.001	4
55	MP1A	X	0	3
56	MP1A	Z	-4.685	3
57	MP1A	Mx	0	3
58	MP1B	X	0	3
59	MP1B	Z	-3.52	3
60	MP1B	Mx	-.002	3
61	MP1C	X	0	3
62	MP1C	Z	-3.52	3
63	MP1C	Mx	.002	3
64	MP2A	X	0	3
65	MP2A	Z	-4.685	3
66	MP2A	Mx	0	3
67	MP2B	X	0	3
68	MP2B	Z	-3.309	3
69	MP2B	Mx	-.001	3
70	MP2C	X	0	3
71	MP2C	Z	-3.309	3
72	MP2C	Mx	.001	3
73	MP4A	X	0	.5
74	MP4A	Z	-10.711	.5
75	MP4A	Mx	0	.5
76	MP4A	X	0	5.5
77	MP4A	Z	-10.711	5.5
78	MP4A	Mx	0	5.5
79	MP4B	X	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP4B	Z	-7.604	.5
81	MP4B	Mx	.004	.5
82	MP4B	X	0	5.5
83	MP4B	Z	-7.604	5.5
84	MP4B	Mx	.004	5.5
85	MP4C	X	0	.5
86	MP4C	Z	-7.604	.5
87	MP4C	Mx	-.004	.5
88	MP4C	X	0	5.5
89	MP4C	Z	-7.604	5.5
90	MP4C	Mx	-.004	5.5
91	OVP	X	0	1.5
92	OVP	Z	-9.569	1.5
93	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	4.632	.5
2	MP2A	Z	-8.023	.5
3	MP2A	Mx	-.007	.5
4	MP2A	X	4.632	5.5
5	MP2A	Z	-8.023	5.5
6	MP2A	Mx	-.007	5.5
7	MP2B	X	3.346	.5
8	MP2B	Z	-5.795	.5
9	MP2B	Mx	.003	.5
10	MP2B	X	3.346	5.5
11	MP2B	Z	-5.795	5.5
12	MP2B	Mx	.003	5.5
13	MP2C	X	4.632	.5
14	MP2C	Z	-8.023	.5
15	MP2C	Mx	.002	.5
16	MP2C	X	4.632	5.5
17	MP2C	Z	-8.023	5.5
18	MP2C	Mx	.002	5.5
19	MP2A	X	4.632	.5
20	MP2A	Z	-8.023	.5
21	MP2A	Mx	.002	.5
22	MP2A	X	4.632	5.5
23	MP2A	Z	-8.023	5.5
24	MP2A	Mx	.002	5.5
25	MP2B	X	3.346	.5
26	MP2B	Z	-5.795	.5
27	MP2B	Mx	.003	.5
28	MP2B	X	3.346	5.5
29	MP2B	Z	-5.795	5.5
30	MP2B	Mx	.003	5.5
31	MP2C	X	4.632	.5
32	MP2C	Z	-8.023	.5
33	MP2C	Mx	-.007	.5
34	MP2C	X	4.632	5.5
35	MP2C	Z	-8.023	5.5
36	MP2C	Mx	-.007	5.5
37	MP5A	X	2.496	2
38	MP5A	Z	-4.323	2
39	MP5A	Mx	-.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP5A	X	2.496	4
41	MP5A	Z	-4.323	4
42	MP5A	Mx	-.001	4
43	MP5B	X	1.153	2
44	MP5B	Z	-1.996	2
45	MP5B	Mx	.001	2
46	MP5B	X	1.153	4
47	MP5B	Z	-1.996	4
48	MP5B	Mx	.001	4
49	MP5C	X	1.153	2
50	MP5C	Z	-1.996	2
51	MP5C	Mx	.001	2
52	MP5C	X	1.153	4
53	MP5C	Z	-1.996	4
54	MP5C	Mx	.001	4
55	MP1A	X	2.148	3
56	MP1A	Z	-3.721	3
57	MP1A	Mx	.001	3
58	MP1B	X	1.566	3
59	MP1B	Z	-2.712	3
60	MP1B	Mx	-.002	3
61	MP1C	X	2.148	3
62	MP1C	Z	-3.721	3
63	MP1C	Mx	.001	3
64	MP2A	X	2.113	3
65	MP2A	Z	-3.66	3
66	MP2A	Mx	.001	3
67	MP2B	X	1.425	3
68	MP2B	Z	-2.468	3
69	MP2B	Mx	-.001	3
70	MP2C	X	2.113	3
71	MP2C	Z	-3.66	3
72	MP2C	Mx	.001	3
73	MP4A	X	4.838	.5
74	MP4A	Z	-8.379	.5
75	MP4A	Mx	-.003	.5
76	MP4A	X	4.838	5.5
77	MP4A	Z	-8.379	5.5
78	MP4A	Mx	-.003	5.5
79	MP4B	X	3.284	.5
80	MP4B	Z	-5.688	.5
81	MP4B	Mx	.004	.5
82	MP4B	X	3.284	5.5
83	MP4B	Z	-5.688	5.5
84	MP4B	Mx	.004	5.5
85	MP4C	X	4.838	.5
86	MP4C	Z	-8.379	.5
87	MP4C	Mx	-.003	.5
88	MP4C	X	4.838	5.5
89	MP4C	Z	-8.379	5.5
90	MP4C	Mx	-.003	5.5
91	OVP	X	4.182	1.5
92	OVP	Z	-7.243	1.5
93	OVP	Mx	0	1.5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	6.538	.5
2	MP2A	Z	-3.775	.5
3	MP2A	Mx	-.005	.5
4	MP2A	X	6.538	5.5
5	MP2A	Z	-3.775	5.5
6	MP2A	Mx	-.005	5.5
7	MP2B	X	6.538	.5
8	MP2B	Z	-3.775	.5
9	MP2B	Mx	.001	.5
10	MP2B	X	6.538	5.5
11	MP2B	Z	-3.775	5.5
12	MP2B	Mx	.001	5.5
13	MP2C	X	8.766	.5
14	MP2C	Z	-5.061	.5
15	MP2C	Mx	.006	.5
16	MP2C	X	8.766	5.5
17	MP2C	Z	-5.061	5.5
18	MP2C	Mx	.006	5.5
19	MP2A	X	6.538	.5
20	MP2A	Z	-3.775	.5
21	MP2A	Mx	-.001	.5
22	MP2A	X	6.538	5.5
23	MP2A	Z	-3.775	5.5
24	MP2A	Mx	-.001	5.5
25	MP2B	X	6.538	.5
26	MP2B	Z	-3.775	.5
27	MP2B	Mx	.005	.5
28	MP2B	X	6.538	5.5
29	MP2B	Z	-3.775	5.5
30	MP2B	Mx	.005	5.5
31	MP2C	X	8.766	.5
32	MP2C	Z	-5.061	.5
33	MP2C	Mx	-.006	.5
34	MP2C	X	8.766	5.5
35	MP2C	Z	-5.061	5.5
36	MP2C	Mx	-.006	5.5
37	MP5A	X	2.772	2
38	MP5A	Z	-1.6	2
39	MP5A	Mx	-.001	2
40	MP5A	X	2.772	4
41	MP5A	Z	-1.6	4
42	MP5A	Mx	-.001	4
43	MP5B	X	2.772	2
44	MP5B	Z	-1.6	2
45	MP5B	Mx	.001	2
46	MP5B	X	2.772	4
47	MP5B	Z	-1.6	4
48	MP5B	Mx	.001	4
49	MP5C	X	2.772	2
50	MP5C	Z	-1.6	2
51	MP5C	Mx	.001	2
52	MP5C	X	2.772	4
53	MP5C	Z	-1.6	4
54	MP5C	Mx	.001	4
55	MP1A	X	3.049	3
56	MP1A	Z	-1.76	3
57	MP1A	Mx	.002	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP1B	X	3.049	3
59	MP1B	Z	-1.76	3
60	MP1B	Mx	-.002	3
61	MP1C	X	4.058	3
62	MP1C	Z	-2.343	3
63	MP1C	Mx	0	3
64	MP2A	X	2.866	3
65	MP2A	Z	-1.654	3
66	MP2A	Mx	.001	3
67	MP2B	X	2.866	3
68	MP2B	Z	-1.654	3
69	MP2B	Mx	-.001	3
70	MP2C	X	4.058	3
71	MP2C	Z	-2.343	3
72	MP2C	Mx	0	3
73	MP4A	X	6.585	.5
74	MP4A	Z	-3.802	.5
75	MP4A	Mx	-.004	.5
76	MP4A	X	6.585	5.5
77	MP4A	Z	-3.802	5.5
78	MP4A	Mx	-.004	5.5
79	MP4B	X	6.585	.5
80	MP4B	Z	-3.802	.5
81	MP4B	Mx	.004	.5
82	MP4B	X	6.585	5.5
83	MP4B	Z	-3.802	5.5
84	MP4B	Mx	.004	5.5
85	MP4C	X	9.276	.5
86	MP4C	Z	-5.356	.5
87	MP4C	Mx	0	.5
88	MP4C	X	9.276	5.5
89	MP4C	Z	-5.356	5.5
90	MP4C	Mx	0	5.5
91	OVP	X	6.721	1.5
92	OVP	Z	-3.88	1.5
93	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	6.692	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	-.003	.5
4	MP2A	X	6.692	5.5
5	MP2A	Z	0	5.5
6	MP2A	Mx	-.003	5.5
7	MP2B	X	9.265	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	-.002	.5
10	MP2B	X	9.265	5.5
11	MP2B	Z	0	5.5
12	MP2B	Mx	-.002	5.5
13	MP2C	X	9.265	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	.007	.5
16	MP2C	X	9.265	5.5
17	MP2C	Z	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2C	Mx	.007	5.5
19	MP2A	X	6.692	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	-.003	.5
22	MP2A	X	6.692	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	-.003	5.5
25	MP2B	X	9.265	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	.007	.5
28	MP2B	X	9.265	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	.007	5.5
31	MP2C	X	9.265	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	-.002	.5
34	MP2C	X	9.265	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	-.002	5.5
37	MP5A	X	2.305	2
38	MP5A	Z	0	2
39	MP5A	Mx	-.001	2
40	MP5A	X	2.305	4
41	MP5A	Z	0	4
42	MP5A	Mx	-.001	4
43	MP5B	X	4.992	2
44	MP5B	Z	0	2
45	MP5B	Mx	.001	2
46	MP5B	X	4.992	4
47	MP5B	Z	0	4
48	MP5B	Mx	.001	4
49	MP5C	X	4.992	2
50	MP5C	Z	0	2
51	MP5C	Mx	.001	2
52	MP5C	X	4.992	4
53	MP5C	Z	0	4
54	MP5C	Mx	.001	4
55	MP1A	X	3.132	3
56	MP1A	Z	0	3
57	MP1A	Mx	.002	3
58	MP1B	X	4.297	3
59	MP1B	Z	0	3
60	MP1B	Mx	-.001	3
61	MP1C	X	4.297	3
62	MP1C	Z	0	3
63	MP1C	Mx	-.001	3
64	MP2A	X	2.85	3
65	MP2A	Z	0	3
66	MP2A	Mx	.001	3
67	MP2B	X	4.226	3
68	MP2B	Z	0	3
69	MP2B	Mx	-.001	3
70	MP2C	X	4.226	3
71	MP2C	Z	0	3
72	MP2C	Mx	-.001	3
73	MP4A	X	6.568	.5
74	MP4A	Z	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP4A	Mx	-.004	.5
76	MP4A	X	6.568	5.5
77	MP4A	Z	0	5.5
78	MP4A	Mx	-.004	5.5
79	MP4B	X	9.675	.5
80	MP4B	Z	0	.5
81	MP4B	Mx	.003	.5
82	MP4B	X	9.675	5.5
83	MP4B	Z	0	5.5
84	MP4B	Mx	.003	5.5
85	MP4C	X	9.675	.5
86	MP4C	Z	0	.5
87	MP4C	Mx	.003	.5
88	MP4C	X	9.675	5.5
89	MP4C	Z	0	5.5
90	MP4C	Mx	.003	5.5
91	OVP	X	8.364	1.5
92	OVP	Z	0	1.5
93	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	6.538	.5
2	MP2A	Z	3.775	.5
3	MP2A	Mx	-.001	.5
4	MP2A	X	6.538	5.5
5	MP2A	Z	3.775	5.5
6	MP2A	Mx	-.001	5.5
7	MP2B	X	8.766	.5
8	MP2B	Z	5.061	.5
9	MP2B	Mx	-.006	.5
10	MP2B	X	8.766	5.5
11	MP2B	Z	5.061	5.5
12	MP2B	Mx	-.006	5.5
13	MP2C	X	6.538	.5
14	MP2C	Z	3.775	.5
15	MP2C	Mx	.005	.5
16	MP2C	X	6.538	5.5
17	MP2C	Z	3.775	5.5
18	MP2C	Mx	.005	5.5
19	MP2A	X	6.538	.5
20	MP2A	Z	3.775	.5
21	MP2A	Mx	-.005	.5
22	MP2A	X	6.538	5.5
23	MP2A	Z	3.775	5.5
24	MP2A	Mx	-.005	5.5
25	MP2B	X	8.766	.5
26	MP2B	Z	5.061	.5
27	MP2B	Mx	.006	.5
28	MP2B	X	8.766	5.5
29	MP2B	Z	5.061	5.5
30	MP2B	Mx	.006	5.5
31	MP2C	X	6.538	.5
32	MP2C	Z	3.775	.5
33	MP2C	Mx	.001	.5
34	MP2C	X	6.538	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP2C	Z	3.775	5.5
36	MP2C	Mx	.001	5.5
37	MP5A	X	2.772	2
38	MP5A	Z	1.6	2
39	MP5A	Mx	-.001	2
40	MP5A	X	2.772	4
41	MP5A	Z	1.6	4
42	MP5A	Mx	-.001	4
43	MP5B	X	5.099	2
44	MP5B	Z	2.944	2
45	MP5B	Mx	0	2
46	MP5B	X	5.099	4
47	MP5B	Z	2.944	4
48	MP5B	Mx	0	4
49	MP5C	X	5.099	2
50	MP5C	Z	2.944	2
51	MP5C	Mx	0	2
52	MP5C	X	5.099	4
53	MP5C	Z	2.944	4
54	MP5C	Mx	0	4
55	MP1A	X	3.049	3
56	MP1A	Z	1.76	3
57	MP1A	Mx	.002	3
58	MP1B	X	4.058	3
59	MP1B	Z	2.343	3
60	MP1B	Mx	0	3
61	MP1C	X	3.049	3
62	MP1C	Z	1.76	3
63	MP1C	Mx	-.002	3
64	MP2A	X	2.866	3
65	MP2A	Z	1.654	3
66	MP2A	Mx	.001	3
67	MP2B	X	4.058	3
68	MP2B	Z	2.343	3
69	MP2B	Mx	0	3
70	MP2C	X	2.866	3
71	MP2C	Z	1.654	3
72	MP2C	Mx	-.001	3
73	MP4A	X	6.585	.5
74	MP4A	Z	3.802	.5
75	MP4A	Mx	-.004	.5
76	MP4A	X	6.585	5.5
77	MP4A	Z	3.802	5.5
78	MP4A	Mx	-.004	5.5
79	MP4B	X	9.276	.5
80	MP4B	Z	5.356	.5
81	MP4B	Mx	0	.5
82	MP4B	X	9.276	5.5
83	MP4B	Z	5.356	5.5
84	MP4B	Mx	0	5.5
85	MP4C	X	6.585	.5
86	MP4C	Z	3.802	.5
87	MP4C	Mx	.004	.5
88	MP4C	X	6.585	5.5
89	MP4C	Z	3.802	5.5
90	MP4C	Mx	.004	5.5
91	OVP	X	8.287	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	OVP	Z	4.785	1.5
93	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	4.632	.5
2	MP2A	Z	8.023	.5
3	MP2A	Mx	.002	.5
4	MP2A	X	4.632	5.5
5	MP2A	Z	8.023	5.5
6	MP2A	Mx	.002	5.5
7	MP2B	X	4.632	.5
8	MP2B	Z	8.023	.5
9	MP2B	Mx	-.007	.5
10	MP2B	X	4.632	5.5
11	MP2B	Z	8.023	5.5
12	MP2B	Mx	-.007	5.5
13	MP2C	X	3.346	.5
14	MP2C	Z	5.795	.5
15	MP2C	Mx	.003	.5
16	MP2C	X	3.346	5.5
17	MP2C	Z	5.795	5.5
18	MP2C	Mx	.003	5.5
19	MP2A	X	4.632	.5
20	MP2A	Z	8.023	.5
21	MP2A	Mx	-.007	.5
22	MP2A	X	4.632	5.5
23	MP2A	Z	8.023	5.5
24	MP2A	Mx	-.007	5.5
25	MP2B	X	4.632	.5
26	MP2B	Z	8.023	.5
27	MP2B	Mx	.002	.5
28	MP2B	X	4.632	5.5
29	MP2B	Z	8.023	5.5
30	MP2B	Mx	.002	5.5
31	MP2C	X	3.346	.5
32	MP2C	Z	5.795	.5
33	MP2C	Mx	.003	.5
34	MP2C	X	3.346	5.5
35	MP2C	Z	5.795	5.5
36	MP2C	Mx	.003	5.5
37	MP5A	X	2.496	2
38	MP5A	Z	4.323	2
39	MP5A	Mx	-.001	2
40	MP5A	X	2.496	4
41	MP5A	Z	4.323	4
42	MP5A	Mx	-.001	4
43	MP5B	X	2.496	2
44	MP5B	Z	4.323	2
45	MP5B	Mx	-.001	2
46	MP5B	X	2.496	4
47	MP5B	Z	4.323	4
48	MP5B	Mx	-.001	4
49	MP5C	X	2.496	2
50	MP5C	Z	4.323	2
51	MP5C	Mx	-.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP5C	X	2.496	4
53	MP5C	Z	4.323	4
54	MP5C	Mx	-.001	4
55	MP1A	X	2.148	3
56	MP1A	Z	3.721	3
57	MP1A	Mx	.001	3
58	MP1B	X	2.148	3
59	MP1B	Z	3.721	3
60	MP1B	Mx	.001	3
61	MP1C	X	1.566	3
62	MP1C	Z	2.712	3
63	MP1C	Mx	-.002	3
64	MP2A	X	2.113	3
65	MP2A	Z	3.66	3
66	MP2A	Mx	.001	3
67	MP2B	X	2.113	3
68	MP2B	Z	3.66	3
69	MP2B	Mx	.001	3
70	MP2C	X	1.425	3
71	MP2C	Z	2.468	3
72	MP2C	Mx	-.001	3
73	MP4A	X	4.838	.5
74	MP4A	Z	8.379	.5
75	MP4A	Mx	-.003	.5
76	MP4A	X	4.838	5.5
77	MP4A	Z	8.379	5.5
78	MP4A	Mx	-.003	5.5
79	MP4B	X	4.838	.5
80	MP4B	Z	8.379	.5
81	MP4B	Mx	-.003	.5
82	MP4B	X	4.838	5.5
83	MP4B	Z	8.379	5.5
84	MP4B	Mx	-.003	5.5
85	MP4C	X	3.284	.5
86	MP4C	Z	5.688	.5
87	MP4C	Mx	.004	.5
88	MP4C	X	3.284	5.5
89	MP4C	Z	5.688	5.5
90	MP4C	Mx	.004	5.5
91	OVP	X	5.086	1.5
92	OVP	Z	8.81	1.5
93	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	10.122	.5
3	MP2A	Mx	.006	.5
4	MP2A	X	0	5.5
5	MP2A	Z	10.122	5.5
6	MP2A	Mx	.006	5.5
7	MP2B	X	0	.5
8	MP2B	Z	7.549	.5
9	MP2B	Mx	-.005	.5
10	MP2B	X	0	5.5
11	MP2B	Z	7.549	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP2B	Mx	-.005	5.5
13	MP2C	X	0	.5
14	MP2C	Z	7.549	.5
15	MP2C	Mx	.001	.5
16	MP2C	X	0	5.5
17	MP2C	Z	7.549	5.5
18	MP2C	Mx	.001	5.5
19	MP2A	X	0	.5
20	MP2A	Z	10.122	.5
21	MP2A	Mx	-.006	.5
22	MP2A	X	0	5.5
23	MP2A	Z	10.122	5.5
24	MP2A	Mx	-.006	5.5
25	MP2B	X	0	.5
26	MP2B	Z	7.549	.5
27	MP2B	Mx	-.001	.5
28	MP2B	X	0	5.5
29	MP2B	Z	7.549	5.5
30	MP2B	Mx	-.001	5.5
31	MP2C	X	0	.5
32	MP2C	Z	7.549	.5
33	MP2C	Mx	.005	.5
34	MP2C	X	0	5.5
35	MP2C	Z	7.549	5.5
36	MP2C	Mx	.005	5.5
37	MP5A	X	0	2
38	MP5A	Z	5.888	2
39	MP5A	Mx	0	2
40	MP5A	X	0	4
41	MP5A	Z	5.888	4
42	MP5A	Mx	0	4
43	MP5B	X	0	2
44	MP5B	Z	3.201	2
45	MP5B	Mx	-.001	2
46	MP5B	X	0	4
47	MP5B	Z	3.201	4
48	MP5B	Mx	-.001	4
49	MP5C	X	0	2
50	MP5C	Z	3.201	2
51	MP5C	Mx	-.001	2
52	MP5C	X	0	4
53	MP5C	Z	3.201	4
54	MP5C	Mx	-.001	4
55	MP1A	X	0	3
56	MP1A	Z	4.685	3
57	MP1A	Mx	0	3
58	MP1B	X	0	3
59	MP1B	Z	3.52	3
60	MP1B	Mx	.002	3
61	MP1C	X	0	3
62	MP1C	Z	3.52	3
63	MP1C	Mx	-.002	3
64	MP2A	X	0	3
65	MP2A	Z	4.685	3
66	MP2A	Mx	0	3
67	MP2B	X	0	3
68	MP2B	Z	3.309	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP2B	Mx	.001	3
70	MP2C	X	0	3
71	MP2C	Z	3.309	3
72	MP2C	Mx	-.001	3
73	MP4A	X	0	.5
74	MP4A	Z	10.711	.5
75	MP4A	Mx	0	.5
76	MP4A	X	0	5.5
77	MP4A	Z	10.711	5.5
78	MP4A	Mx	0	5.5
79	MP4B	X	0	.5
80	MP4B	Z	7.604	.5
81	MP4B	Mx	-.004	.5
82	MP4B	X	0	5.5
83	MP4B	Z	7.604	5.5
84	MP4B	Mx	-.004	5.5
85	MP4C	X	0	.5
86	MP4C	Z	7.604	.5
87	MP4C	Mx	.004	.5
88	MP4C	X	0	5.5
89	MP4C	Z	7.604	5.5
90	MP4C	Mx	.004	5.5
91	OVP	X	0	1.5
92	OVP	Z	9.569	1.5
93	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-4.632	.5
2	MP2A	Z	8.023	.5
3	MP2A	Mx	.007	.5
4	MP2A	X	-4.632	5.5
5	MP2A	Z	8.023	5.5
6	MP2A	Mx	.007	5.5
7	MP2B	X	-3.346	.5
8	MP2B	Z	5.795	.5
9	MP2B	Mx	-.003	.5
10	MP2B	X	-3.346	5.5
11	MP2B	Z	5.795	5.5
12	MP2B	Mx	-.003	5.5
13	MP2C	X	-4.632	.5
14	MP2C	Z	8.023	.5
15	MP2C	Mx	-.002	.5
16	MP2C	X	-4.632	5.5
17	MP2C	Z	8.023	5.5
18	MP2C	Mx	-.002	5.5
19	MP2A	X	-4.632	.5
20	MP2A	Z	8.023	.5
21	MP2A	Mx	-.002	.5
22	MP2A	X	-4.632	5.5
23	MP2A	Z	8.023	5.5
24	MP2A	Mx	-.002	5.5
25	MP2B	X	-3.346	.5
26	MP2B	Z	5.795	.5
27	MP2B	Mx	-.003	.5
28	MP2B	X	-3.346	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2B	Z	5.795	5.5
30	MP2B	Mx	-.003	5.5
31	MP2C	X	-4.632	.5
32	MP2C	Z	8.023	.5
33	MP2C	Mx	.007	.5
34	MP2C	X	-4.632	5.5
35	MP2C	Z	8.023	5.5
36	MP2C	Mx	.007	5.5
37	MP5A	X	-2.496	2
38	MP5A	Z	4.323	2
39	MP5A	Mx	.001	2
40	MP5A	X	-2.496	4
41	MP5A	Z	4.323	4
42	MP5A	Mx	.001	4
43	MP5B	X	-1.153	2
44	MP5B	Z	1.996	2
45	MP5B	Mx	-.001	2
46	MP5B	X	-1.153	4
47	MP5B	Z	1.996	4
48	MP5B	Mx	-.001	4
49	MP5C	X	-1.153	2
50	MP5C	Z	1.996	2
51	MP5C	Mx	-.001	2
52	MP5C	X	-1.153	4
53	MP5C	Z	1.996	4
54	MP5C	Mx	-.001	4
55	MP1A	X	-2.148	3
56	MP1A	Z	3.721	3
57	MP1A	Mx	-.001	3
58	MP1B	X	-1.566	3
59	MP1B	Z	2.712	3
60	MP1B	Mx	.002	3
61	MP1C	X	-2.148	3
62	MP1C	Z	3.721	3
63	MP1C	Mx	-.001	3
64	MP2A	X	-2.113	3
65	MP2A	Z	3.66	3
66	MP2A	Mx	-.001	3
67	MP2B	X	-1.425	3
68	MP2B	Z	2.468	3
69	MP2B	Mx	.001	3
70	MP2C	X	-2.113	3
71	MP2C	Z	3.66	3
72	MP2C	Mx	-.001	3
73	MP4A	X	-4.838	.5
74	MP4A	Z	8.379	.5
75	MP4A	Mx	.003	.5
76	MP4A	X	-4.838	5.5
77	MP4A	Z	8.379	5.5
78	MP4A	Mx	.003	5.5
79	MP4B	X	-3.284	.5
80	MP4B	Z	5.688	.5
81	MP4B	Mx	-.004	.5
82	MP4B	X	-3.284	5.5
83	MP4B	Z	5.688	5.5
84	MP4B	Mx	-.004	5.5
85	MP4C	X	-4.838	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP4C	Z	8.379	.5
87	MP4C	Mx	.003	.5
88	MP4C	X	-4.838	5.5
89	MP4C	Z	8.379	5.5
90	MP4C	Mx	.003	5.5
91	OVP	X	-4.182	1.5
92	OVP	Z	7.243	1.5
93	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-6.538	.5
2	MP2A	Z	3.775	.5
3	MP2A	Mx	.005	.5
4	MP2A	X	-6.538	5.5
5	MP2A	Z	3.775	5.5
6	MP2A	Mx	.005	5.5
7	MP2B	X	-6.538	.5
8	MP2B	Z	3.775	.5
9	MP2B	Mx	-.001	.5
10	MP2B	X	-6.538	5.5
11	MP2B	Z	3.775	5.5
12	MP2B	Mx	-.001	5.5
13	MP2C	X	-8.766	.5
14	MP2C	Z	5.061	.5
15	MP2C	Mx	-.006	.5
16	MP2C	X	-8.766	5.5
17	MP2C	Z	5.061	5.5
18	MP2C	Mx	-.006	5.5
19	MP2A	X	-6.538	.5
20	MP2A	Z	3.775	.5
21	MP2A	Mx	.001	.5
22	MP2A	X	-6.538	5.5
23	MP2A	Z	3.775	5.5
24	MP2A	Mx	.001	5.5
25	MP2B	X	-6.538	.5
26	MP2B	Z	3.775	.5
27	MP2B	Mx	-.005	.5
28	MP2B	X	-6.538	5.5
29	MP2B	Z	3.775	5.5
30	MP2B	Mx	-.005	5.5
31	MP2C	X	-8.766	.5
32	MP2C	Z	5.061	.5
33	MP2C	Mx	.006	.5
34	MP2C	X	-8.766	5.5
35	MP2C	Z	5.061	5.5
36	MP2C	Mx	.006	5.5
37	MP5A	X	-2.772	2
38	MP5A	Z	1.6	2
39	MP5A	Mx	.001	2
40	MP5A	X	-2.772	4
41	MP5A	Z	1.6	4
42	MP5A	Mx	.001	4
43	MP5B	X	-2.772	2
44	MP5B	Z	1.6	2
45	MP5B	Mx	-.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP5B	X	-2.772	4
47	MP5B	Z	1.6	4
48	MP5B	Mx	-.001	4
49	MP5C	X	-2.772	2
50	MP5C	Z	1.6	2
51	MP5C	Mx	-.001	2
52	MP5C	X	-2.772	4
53	MP5C	Z	1.6	4
54	MP5C	Mx	-.001	4
55	MP1A	X	-3.049	3
56	MP1A	Z	1.76	3
57	MP1A	Mx	-.002	3
58	MP1B	X	-3.049	3
59	MP1B	Z	1.76	3
60	MP1B	Mx	.002	3
61	MP1C	X	-4.058	3
62	MP1C	Z	2.343	3
63	MP1C	Mx	0	3
64	MP2A	X	-2.866	3
65	MP2A	Z	1.654	3
66	MP2A	Mx	-.001	3
67	MP2B	X	-2.866	3
68	MP2B	Z	1.654	3
69	MP2B	Mx	.001	3
70	MP2C	X	-4.058	3
71	MP2C	Z	2.343	3
72	MP2C	Mx	0	3
73	MP4A	X	-6.585	.5
74	MP4A	Z	3.802	.5
75	MP4A	Mx	.004	.5
76	MP4A	X	-6.585	5.5
77	MP4A	Z	3.802	5.5
78	MP4A	Mx	.004	5.5
79	MP4B	X	-6.585	.5
80	MP4B	Z	3.802	.5
81	MP4B	Mx	-.004	.5
82	MP4B	X	-6.585	5.5
83	MP4B	Z	3.802	5.5
84	MP4B	Mx	-.004	5.5
85	MP4C	X	-9.276	.5
86	MP4C	Z	5.356	.5
87	MP4C	Mx	0	.5
88	MP4C	X	-9.276	5.5
89	MP4C	Z	5.356	5.5
90	MP4C	Mx	0	5.5
91	OVP	X	-6.721	1.5
92	OVP	Z	3.88	1.5
93	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-6.692	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	.003	.5
4	MP2A	X	-6.692	5.5
5	MP2A	Z	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP2A	Mx	.003	5.5
7	MP2B	X	-9.265	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	.002	.5
10	MP2B	X	-9.265	5.5
11	MP2B	Z	0	5.5
12	MP2B	Mx	.002	5.5
13	MP2C	X	-9.265	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	-.007	.5
16	MP2C	X	-9.265	5.5
17	MP2C	Z	0	5.5
18	MP2C	Mx	-.007	5.5
19	MP2A	X	-6.692	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	.003	.5
22	MP2A	X	-6.692	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	.003	5.5
25	MP2B	X	-9.265	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	-.007	.5
28	MP2B	X	-9.265	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	-.007	5.5
31	MP2C	X	-9.265	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	.002	.5
34	MP2C	X	-9.265	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	.002	5.5
37	MP5A	X	-2.305	2
38	MP5A	Z	0	2
39	MP5A	Mx	.001	2
40	MP5A	X	-2.305	4
41	MP5A	Z	0	4
42	MP5A	Mx	.001	4
43	MP5B	X	-4.992	2
44	MP5B	Z	0	2
45	MP5B	Mx	-.001	2
46	MP5B	X	-4.992	4
47	MP5B	Z	0	4
48	MP5B	Mx	-.001	4
49	MP5C	X	-4.992	2
50	MP5C	Z	0	2
51	MP5C	Mx	-.001	2
52	MP5C	X	-4.992	4
53	MP5C	Z	0	4
54	MP5C	Mx	-.001	4
55	MP1A	X	-3.132	3
56	MP1A	Z	0	3
57	MP1A	Mx	-.002	3
58	MP1B	X	-4.297	3
59	MP1B	Z	0	3
60	MP1B	Mx	.001	3
61	MP1C	X	-4.297	3
62	MP1C	Z	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP1C	Mx	.001	3
64	MP2A	X	-2.85	3
65	MP2A	Z	0	3
66	MP2A	Mx	-.001	3
67	MP2B	X	-4.226	3
68	MP2B	Z	0	3
69	MP2B	Mx	.001	3
70	MP2C	X	-4.226	3
71	MP2C	Z	0	3
72	MP2C	Mx	.001	3
73	MP4A	X	-6.568	.5
74	MP4A	Z	0	.5
75	MP4A	Mx	.004	.5
76	MP4A	X	-6.568	5.5
77	MP4A	Z	0	5.5
78	MP4A	Mx	.004	5.5
79	MP4B	X	-9.675	.5
80	MP4B	Z	0	.5
81	MP4B	Mx	-.003	.5
82	MP4B	X	-9.675	5.5
83	MP4B	Z	0	5.5
84	MP4B	Mx	-.003	5.5
85	MP4C	X	-9.675	.5
86	MP4C	Z	0	.5
87	MP4C	Mx	-.003	.5
88	MP4C	X	-9.675	5.5
89	MP4C	Z	0	5.5
90	MP4C	Mx	-.003	5.5
91	OVP	X	-8.364	1.5
92	OVP	Z	0	1.5
93	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-6.538	.5
2	MP2A	Z	-3.775	.5
3	MP2A	Mx	.001	.5
4	MP2A	X	-6.538	5.5
5	MP2A	Z	-3.775	5.5
6	MP2A	Mx	.001	5.5
7	MP2B	X	-8.766	.5
8	MP2B	Z	-5.061	.5
9	MP2B	Mx	.006	.5
10	MP2B	X	-8.766	5.5
11	MP2B	Z	-5.061	5.5
12	MP2B	Mx	.006	5.5
13	MP2C	X	-6.538	.5
14	MP2C	Z	-3.775	.5
15	MP2C	Mx	-.005	.5
16	MP2C	X	-6.538	5.5
17	MP2C	Z	-3.775	5.5
18	MP2C	Mx	-.005	5.5
19	MP2A	X	-6.538	.5
20	MP2A	Z	-3.775	.5
21	MP2A	Mx	.005	.5
22	MP2A	X	-6.538	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP2A	Z	-3.775	5.5
24	MP2A	Mx	.005	5.5
25	MP2B	X	-8.766	.5
26	MP2B	Z	-5.061	.5
27	MP2B	Mx	-.006	.5
28	MP2B	X	-8.766	5.5
29	MP2B	Z	-5.061	5.5
30	MP2B	Mx	-.006	5.5
31	MP2C	X	-6.538	.5
32	MP2C	Z	-3.775	.5
33	MP2C	Mx	-.001	.5
34	MP2C	X	-6.538	5.5
35	MP2C	Z	-3.775	5.5
36	MP2C	Mx	-.001	5.5
37	MP5A	X	-2.772	2
38	MP5A	Z	-1.6	2
39	MP5A	Mx	.001	2
40	MP5A	X	-2.772	4
41	MP5A	Z	-1.6	4
42	MP5A	Mx	.001	4
43	MP5B	X	-5.099	2
44	MP5B	Z	-2.944	2
45	MP5B	Mx	0	2
46	MP5B	X	-5.099	4
47	MP5B	Z	-2.944	4
48	MP5B	Mx	0	4
49	MP5C	X	-5.099	2
50	MP5C	Z	-2.944	2
51	MP5C	Mx	0	2
52	MP5C	X	-5.099	4
53	MP5C	Z	-2.944	4
54	MP5C	Mx	0	4
55	MP1A	X	-3.049	3
56	MP1A	Z	-1.76	3
57	MP1A	Mx	-.002	3
58	MP1B	X	-4.058	3
59	MP1B	Z	-2.343	3
60	MP1B	Mx	0	3
61	MP1C	X	-3.049	3
62	MP1C	Z	-1.76	3
63	MP1C	Mx	.002	3
64	MP2A	X	-2.866	3
65	MP2A	Z	-1.654	3
66	MP2A	Mx	-.001	3
67	MP2B	X	-4.058	3
68	MP2B	Z	-2.343	3
69	MP2B	Mx	0	3
70	MP2C	X	-2.866	3
71	MP2C	Z	-1.654	3
72	MP2C	Mx	.001	3
73	MP4A	X	-6.585	.5
74	MP4A	Z	-3.802	.5
75	MP4A	Mx	.004	.5
76	MP4A	X	-6.585	5.5
77	MP4A	Z	-3.802	5.5
78	MP4A	Mx	.004	5.5
79	MP4B	X	-9.276	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP4B	Z	-5.356	.5
81	MP4B	Mx	0	.5
82	MP4B	X	-9.276	5.5
83	MP4B	Z	-5.356	5.5
84	MP4B	Mx	0	5.5
85	MP4C	X	-6.585	.5
86	MP4C	Z	-3.802	.5
87	MP4C	Mx	-.004	.5
88	MP4C	X	-6.585	5.5
89	MP4C	Z	-3.802	5.5
90	MP4C	Mx	-.004	5.5
91	OVP	X	-8.287	1.5
92	OVP	Z	-4.785	1.5
93	OVP	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-4.632	.5
2	MP2A	Z	-8.023	.5
3	MP2A	Mx	-.002	.5
4	MP2A	X	-4.632	5.5
5	MP2A	Z	-8.023	5.5
6	MP2A	Mx	-.002	5.5
7	MP2B	X	-4.632	.5
8	MP2B	Z	-8.023	.5
9	MP2B	Mx	.007	.5
10	MP2B	X	-4.632	5.5
11	MP2B	Z	-8.023	5.5
12	MP2B	Mx	.007	5.5
13	MP2C	X	-3.346	.5
14	MP2C	Z	-5.795	.5
15	MP2C	Mx	-.003	.5
16	MP2C	X	-3.346	5.5
17	MP2C	Z	-5.795	5.5
18	MP2C	Mx	-.003	5.5
19	MP2A	X	-4.632	.5
20	MP2A	Z	-8.023	.5
21	MP2A	Mx	.007	.5
22	MP2A	X	-4.632	5.5
23	MP2A	Z	-8.023	5.5
24	MP2A	Mx	.007	5.5
25	MP2B	X	-4.632	.5
26	MP2B	Z	-8.023	.5
27	MP2B	Mx	-.002	.5
28	MP2B	X	-4.632	5.5
29	MP2B	Z	-8.023	5.5
30	MP2B	Mx	-.002	5.5
31	MP2C	X	-3.346	.5
32	MP2C	Z	-5.795	.5
33	MP2C	Mx	-.003	.5
34	MP2C	X	-3.346	5.5
35	MP2C	Z	-5.795	5.5
36	MP2C	Mx	-.003	5.5
37	MP5A	X	-2.496	2
38	MP5A	Z	-4.323	2
39	MP5A	Mx	.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP5A	X	-2.496	4
41	MP5A	Z	-4.323	4
42	MP5A	Mx	.001	4
43	MP5B	X	-2.496	2
44	MP5B	Z	-4.323	2
45	MP5B	Mx	.001	2
46	MP5B	X	-2.496	4
47	MP5B	Z	-4.323	4
48	MP5B	Mx	.001	4
49	MP5C	X	-2.496	2
50	MP5C	Z	-4.323	2
51	MP5C	Mx	.001	2
52	MP5C	X	-2.496	4
53	MP5C	Z	-4.323	4
54	MP5C	Mx	.001	4
55	MP1A	X	-2.148	3
56	MP1A	Z	-3.721	3
57	MP1A	Mx	-.001	3
58	MP1B	X	-2.148	3
59	MP1B	Z	-3.721	3
60	MP1B	Mx	-.001	3
61	MP1C	X	-1.566	3
62	MP1C	Z	-2.712	3
63	MP1C	Mx	.002	3
64	MP2A	X	-2.113	3
65	MP2A	Z	-3.66	3
66	MP2A	Mx	-.001	3
67	MP2B	X	-2.113	3
68	MP2B	Z	-3.66	3
69	MP2B	Mx	-.001	3
70	MP2C	X	-1.425	3
71	MP2C	Z	-2.468	3
72	MP2C	Mx	.001	3
73	MP4A	X	-4.838	.5
74	MP4A	Z	-8.379	.5
75	MP4A	Mx	.003	.5
76	MP4A	X	-4.838	5.5
77	MP4A	Z	-8.379	5.5
78	MP4A	Mx	.003	5.5
79	MP4B	X	-4.838	.5
80	MP4B	Z	-8.379	.5
81	MP4B	Mx	.003	.5
82	MP4B	X	-4.838	5.5
83	MP4B	Z	-8.379	5.5
84	MP4B	Mx	.003	5.5
85	MP4C	X	-3.284	.5
86	MP4C	Z	-5.688	.5
87	MP4C	Mx	-.004	.5
88	MP4C	X	-3.284	5.5
89	MP4C	Z	-5.688	5.5
90	MP4C	Mx	-.004	5.5
91	OVP	X	-5.086	1.5
92	OVP	Z	-8.81	1.5
93	OVP	Mx	0	1.5

Member Point Loads (BLC 77 : Lm1)

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

Member Point Loads (BLC 77 : Lm1) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M33	Y	-500	%62

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M34	Y	-500	%49

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M34	Y	-250	%50

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M32	Y	-250	0

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-.797	.5
2	MP2A	My	-.000399	.5
3	MP2A	Mz	.000465	.5
4	MP2A	Y	-.797	5.5
5	MP2A	My	-.000399	5.5
6	MP2A	Mz	.000465	5.5
7	MP2B	Y	-.797	.5
8	MP2B	My	-.000203	.5
9	MP2B	Mz	-.000578	.5
10	MP2B	Y	-.797	5.5
11	MP2B	My	-.000203	5.5
12	MP2B	Mz	-.000578	5.5
13	MP2C	Y	-.797	.5
14	MP2C	My	.000602	.5
15	MP2C	Mz	.000113	.5
16	MP2C	Y	-.797	5.5
17	MP2C	My	.000602	5.5
18	MP2C	Mz	.000113	5.5
19	MP2A	Y	-.797	.5
20	MP2A	My	-.000399	.5
21	MP2A	Mz	-.000465	.5
22	MP2A	Y	-.797	5.5
23	MP2A	My	-.000399	5.5
24	MP2A	Mz	-.000465	5.5
25	MP2B	Y	-.797	.5
26	MP2B	My	.000602	.5
27	MP2B	Mz	-.000113	.5
28	MP2B	Y	-.797	5.5
29	MP2B	My	.000602	5.5
30	MP2B	Mz	-.000113	5.5
31	MP2C	Y	-.797	.5
32	MP2C	My	-.000203	.5
33	MP2C	Mz	.000578	.5
34	MP2C	Y	-.797	5.5
35	MP2C	My	-.000203	5.5
36	MP2C	Mz	.000578	5.5
37	MP5A	Y	-1.589	2
38	MP5A	My	-.000794	2
39	MP5A	Mz	0	2

Member Point Loads (BLC 81 : Antenna Ev) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP5A	Y	-1.589	4
41	MP5A	My	-.000794	4
42	MP5A	Mz	0	4
43	MP5B	Y	-1.589	2
44	MP5B	My	.000397	2
45	MP5B	Mz	-.000688	2
46	MP5B	Y	-1.589	4
47	MP5B	My	.000397	4
48	MP5B	Mz	-.000688	4
49	MP5C	Y	-1.589	2
50	MP5C	My	.000397	2
51	MP5C	Mz	-.000688	2
52	MP5C	Y	-1.589	4
53	MP5C	My	.000397	4
54	MP5C	Mz	-.000688	4
55	MP1A	Y	-2.725	3
56	MP1A	My	.001	3
57	MP1A	Mz	0	3
58	MP1B	Y	-2.725	3
59	MP1B	My	-.000681	3
60	MP1B	Mz	.001	3
61	MP1C	Y	-2.725	3
62	MP1C	My	-.000681	3
63	MP1C	Mz	-.001	3
64	MP2A	Y	-2.565	3
65	MP2A	My	.001	3
66	MP2A	Mz	0	3
67	MP2B	Y	-2.565	3
68	MP2B	My	-.000641	3
69	MP2B	Mz	.001	3
70	MP2C	Y	-2.565	3
71	MP2C	My	-.000641	3
72	MP2C	Mz	-.001	3
73	MP4A	Y	-.744	.5
74	MP4A	My	-.000496	.5
75	MP4A	Mz	0	.5
76	MP4A	Y	-.744	5.5
77	MP4A	My	-.000496	5.5
78	MP4A	Mz	0	5.5
79	MP4B	Y	-.744	.5
80	MP4B	My	.000248	.5
81	MP4B	Mz	-.00043	.5
82	MP4B	Y	-.744	5.5
83	MP4B	My	.000248	5.5
84	MP4B	Mz	-.00043	5.5
85	MP4C	Y	-.744	.5
86	MP4C	My	.000248	.5
87	MP4C	Mz	.00043	.5
88	MP4C	Y	-.744	5.5
89	MP4C	My	.000248	5.5
90	MP4C	Mz	.00043	5.5
91	OVP	Y	-1.167	1.5
92	OVP	My	0	1.5
93	OVP	Mz	0	1.5

Member Point Loads (BLC 82 : Antenna Eh (0 Deg))

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

Member Point Loads (BLC 82 : Antenna Eh (0 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Z	-1.993	.5
2	MP2A	Mx	-.001	.5
3	MP2A	Z	-1.993	5.5
4	MP2A	Mx	-.001	5.5
5	MP2B	Z	-1.993	.5
6	MP2B	Mx	.001	.5
7	MP2B	Z	-1.993	5.5
8	MP2B	Mx	.001	5.5
9	MP2C	Z	-1.993	.5
10	MP2C	Mx	-.000282	.5
11	MP2C	Z	-1.993	5.5
12	MP2C	Mx	-.000282	5.5
13	MP2A	Z	-1.993	.5
14	MP2A	Mx	.001	.5
15	MP2A	Z	-1.993	5.5
16	MP2A	Mx	.001	5.5
17	MP2B	Z	-1.993	.5
18	MP2B	Mx	.000282	.5
19	MP2B	Z	-1.993	5.5
20	MP2B	Mx	.000282	5.5
21	MP2C	Z	-1.993	.5
22	MP2C	Mx	-.001	.5
23	MP2C	Z	-1.993	5.5
24	MP2C	Mx	-.001	5.5
25	MP5A	Z	-3.972	2
26	MP5A	Mx	0	2
27	MP5A	Z	-3.972	4
28	MP5A	Mx	0	4
29	MP5B	Z	-3.972	2
30	MP5B	Mx	.002	2
31	MP5B	Z	-3.972	4
32	MP5B	Mx	.002	4
33	MP5C	Z	-3.972	2
34	MP5C	Mx	.002	2
35	MP5C	Z	-3.972	4
36	MP5C	Mx	.002	4
37	MP1A	Z	-6.813	3
38	MP1A	Mx	0	3
39	MP1B	Z	-6.813	3
40	MP1B	Mx	-.003	3
41	MP1C	Z	-6.813	3
42	MP1C	Mx	.003	3
43	MP2A	Z	-6.411	3
44	MP2A	Mx	0	3
45	MP2B	Z	-6.411	3
46	MP2B	Mx	-.003	3
47	MP2C	Z	-6.411	3
48	MP2C	Mx	.003	3
49	MP4A	Z	-1.86	.5
50	MP4A	Mx	0	.5
51	MP4A	Z	-1.86	5.5
52	MP4A	Mx	0	5.5
53	MP4B	Z	-1.86	.5
54	MP4B	Mx	.001	.5
55	MP4B	Z	-1.86	5.5
56	MP4B	Mx	.001	5.5
57	MP4C	Z	-1.86	.5

Member Point Loads (BLC 82 : Antenna Eh (0 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4C	Mx	-.001	.5
59	MP4C	Z	-1.86	5.5
60	MP4C	Mx	-.001	5.5
61	OVP	Z	-2.918	1.5
62	OVP	Mx	0	1.5

Member Point Loads (BLC 83 : Antenna Eh (90 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	1.993	.5
2	MP2A	Mx	-.000996	.5
3	MP2A	X	1.993	5.5
4	MP2A	Mx	-.000996	5.5
5	MP2B	X	1.993	.5
6	MP2B	Mx	-.000509	.5
7	MP2B	X	1.993	5.5
8	MP2B	Mx	-.000509	5.5
9	MP2C	X	1.993	.5
10	MP2C	Mx	.002	.5
11	MP2C	X	1.993	5.5
12	MP2C	Mx	.002	5.5
13	MP2A	X	1.993	.5
14	MP2A	Mx	-.000996	.5
15	MP2A	X	1.993	5.5
16	MP2A	Mx	-.000996	5.5
17	MP2B	X	1.993	.5
18	MP2B	Mx	.002	.5
19	MP2B	X	1.993	5.5
20	MP2B	Mx	.002	5.5
21	MP2C	X	1.993	.5
22	MP2C	Mx	-.000509	.5
23	MP2C	X	1.993	5.5
24	MP2C	Mx	-.000509	5.5
25	MP5A	X	3.972	2
26	MP5A	Mx	-.002	2
27	MP5A	X	3.972	4
28	MP5A	Mx	-.002	4
29	MP5B	X	3.972	2
30	MP5B	Mx	.000993	2
31	MP5B	X	3.972	4
32	MP5B	Mx	.000993	4
33	MP5C	X	3.972	2
34	MP5C	Mx	.000993	2
35	MP5C	X	3.972	4
36	MP5C	Mx	.000993	4
37	MP1A	X	6.813	3
38	MP1A	Mx	.003	3
39	MP1B	X	6.813	3
40	MP1B	Mx	-.002	3
41	MP1C	X	6.813	3
42	MP1C	Mx	-.002	3
43	MP2A	X	6.411	3
44	MP2A	Mx	.003	3
45	MP2B	X	6.411	3
46	MP2B	Mx	-.002	3
47	MP2C	X	6.411	3
48	MP2C	Mx	-.002	3

Member Point Loads (BLC 83 : Antenna Eh (90 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP4A	X	1.86	.5
50	MP4A	Mx	-.001	.5
51	MP4A	X	1.86	5.5
52	MP4A	Mx	-.001	5.5
53	MP4B	X	1.86	.5
54	MP4B	Mx	.00062	.5
55	MP4B	X	1.86	5.5
56	MP4B	Mx	.00062	5.5
57	MP4C	X	1.86	.5
58	MP4C	Mx	.00062	.5
59	MP4C	X	1.86	5.5
60	MP4C	Mx	.00062	5.5
61	OVP	X	2.918	1.5
62	OVP	Mx	0	1.5

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	M39	Y	-16.045	-16.045	0	%100
2	M40	Y	-12.331	-12.331	0	%100
3	M43	Y	-12.331	-12.331	0	%100
4	MP1A	Y	-8.454	-8.454	0	%100
5	M112A	Y	-9.576	-9.576	0	%100
6	M113A	Y	-9.576	-9.576	0	%100
7	M32	Y	-10.789	-10.789	0	%100
8	M33	Y	-10.789	-10.789	0	%100
9	M34	Y	-10.789	-10.789	0	%100
10	M16	Y	-16.045	-16.045	0	%100
11	M17	Y	-12.331	-12.331	0	%100
12	M18	Y	-12.331	-12.331	0	%100
13	M22	Y	-9.576	-9.576	0	%100
14	M23	Y	-9.576	-9.576	0	%100
15	M26	Y	-16.045	-16.045	0	%100
16	M27	Y	-12.331	-12.331	0	%100
17	M28	Y	-12.331	-12.331	0	%100
18	M32A	Y	-9.576	-9.576	0	%100
19	M33A	Y	-9.576	-9.576	0	%100
20	M36	Y	-10.789	-10.789	0	%100
21	M37	Y	-10.789	-10.789	0	%100
22	M38	Y	-10.789	-10.789	0	%100
23	M39A	Y	-10.789	-10.789	0	%100
24	M40A	Y	-10.789	-10.789	0	%100
25	M41	Y	-10.789	-10.789	0	%100
26	MP2A	Y	-9.492	-9.492	0	%100
27	MP3A	Y	-8.454	-8.454	0	%100
28	MP4A	Y	-8.454	-8.454	0	%100
29	MP5A	Y	-8.454	-8.454	0	%100
30	MP1C	Y	-8.454	-8.454	0	%100
31	MP1B	Y	-8.454	-8.454	0	%100
32	MP2B	Y	-9.492	-9.492	0	%100
33	MP3B	Y	-8.454	-8.454	0	%100
34	MP4B	Y	-8.454	-8.454	0	%100
35	MP5B	Y	-8.454	-8.454	0	%100
36	MP2C	Y	-9.492	-9.492	0	%100
37	MP3C	Y	-8.454	-8.454	0	%100
38	MP4C	Y	-8.454	-8.454	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,%]
39	MP5C	Y	-8.454	-8.454	0	%100
40	OVP	Y	-8.454	-8.454	0	%100
41	M71	Y	-9.492	-9.492	0	%100
42	M74	Y	-9.492	-9.492	0	%100
43	M77	Y	-12.331	-12.331	0	%100
44	M89	Y	-9.492	-9.492	0	%100
45	M90	Y	-12.331	-12.331	0	%100
46	M91	Y	-12.331	-12.331	0	%100
47	M93A	Y	-17.534	-17.534	0	%100
48	M94	Y	-17.534	-17.534	0	%100
49	M95	Y	-17.534	-17.534	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	M39	X	0	0	0	%100
2	M39	Z	-22.09	-22.09	0	%100
3	M40	X	0	0	0	%100
4	M40	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	-8.744	-8.744	0	%100
9	M112A	X	0	0	0	%100
10	M112A	Z	-4.444	-4.444	0	%100
11	M113A	X	0	0	0	%100
12	M113A	Z	-4.444	-4.444	0	%100
13	M32	X	0	0	0	%100
14	M32	Z	-10.704	-10.704	0	%100
15	M33	X	0	0	0	%100
16	M33	Z	-10.704	-10.704	0	%100
17	M34	X	0	0	0	%100
18	M34	Z	-10.534	-10.534	0	%100
19	M16	X	0	0	0	%100
20	M16	Z	-5.523	-5.523	0	%100
21	M17	X	0	0	0	%100
22	M17	Z	-8.07	-8.07	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	-7.354	-7.354	0	%100
25	M22	X	0	0	0	%100
26	M22	Z	-6.611	-6.611	0	%100
27	M23	X	0	0	0	%100
28	M23	Z	-.215	-.215	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	-5.523	-5.523	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	-8.07	-8.07	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	-7.354	-7.354	0	%100
35	M32A	X	0	0	0	%100
36	M32A	Z	-.215	-.215	0	%100
37	M33A	X	0	0	0	%100
38	M33A	Z	-6.611	-6.611	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	-2.676	-2.676	0	%100
41	M37	X	0	0	0	%100
42	M37	Z	-2.676	-2.676	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,%]
43	M38	X	0	0	0	%100
44	M38	Z	-2.633	-2.633	0	%100
45	M39A	X	0	0	0	%100
46	M39A	Z	-2.676	-2.676	0	%100
47	M40A	X	0	0	0	%100
48	M40A	Z	-2.676	-2.676	0	%100
49	M41	X	0	0	0	%100
50	M41	Z	-2.633	-2.633	0	%100
51	MP2A	X	0	0	0	%100
52	MP2A	Z	-10.585	-10.585	0	%100
53	MP3A	X	0	0	0	%100
54	MP3A	Z	-8.744	-8.744	0	%100
55	MP4A	X	0	0	0	%100
56	MP4A	Z	-8.744	-8.744	0	%100
57	MP5A	X	0	0	0	%100
58	MP5A	Z	-8.744	-8.744	0	%100
59	MP1C	X	0	0	0	%100
60	MP1C	Z	-8.744	-8.744	0	%100
61	MP1B	X	0	0	0	%100
62	MP1B	Z	-8.744	-8.744	0	%100
63	MP2B	X	0	0	0	%100
64	MP2B	Z	-10.585	-10.585	0	%100
65	MP3B	X	0	0	0	%100
66	MP3B	Z	-8.744	-8.744	0	%100
67	MP4B	X	0	0	0	%100
68	MP4B	Z	-8.744	-8.744	0	%100
69	MP5B	X	0	0	0	%100
70	MP5B	Z	-8.744	-8.744	0	%100
71	MP2C	X	0	0	0	%100
72	MP2C	Z	-10.585	-10.585	0	%100
73	MP3C	X	0	0	0	%100
74	MP3C	Z	-8.744	-8.744	0	%100
75	MP4C	X	0	0	0	%100
76	MP4C	Z	-8.744	-8.744	0	%100
77	MP5C	X	0	0	0	%100
78	MP5C	Z	-8.744	-8.744	0	%100
79	OVP	X	0	0	0	%100
80	OVP	Z	-7.559	-7.559	0	%100
81	M71	X	0	0	0	%100
82	M71	Z	-10.585	-10.585	0	%100
83	M74	X	0	0	0	%100
84	M74	Z	-2.646	-2.646	0	%100
85	M77	X	0	0	0	%100
86	M77	Z	-3.471	-3.471	0	%100
87	M89	X	0	0	0	%100
88	M89	Z	-2.646	-2.646	0	%100
89	M90	X	0	0	0	%100
90	M90	Z	-3.471	-3.471	0	%100
91	M91	X	0	0	0	%100
92	M91	Z	-13.885	-13.885	0	%100
93	M93A	X	0	0	0	%100
94	M93A	Z	-8.618	-8.618	0	%100
95	M94	X	0	0	0	%100
96	M94	Z	-15.957	-15.957	0	%100
97	M95	X	0	0	0	%100
98	M95	Z	-15.957	-15.957	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	M39	X	8.284	8.284	0	%100
2	M39	Z	-14.348	-14.348	0	%100
3	M40	X	1.345	1.345	0	%100
4	M40	Z	-2.33	-2.33	0	%100
5	M43	X	1.226	1.226	0	%100
6	M43	Z	-2.123	-2.123	0	%100
7	MP1A	X	4.372	4.372	0	%100
8	MP1A	Z	-7.573	-7.573	0	%100
9	M112A	X	.451	.451	0	%100
10	M112A	Z	-.781	-.781	0	%100
11	M113A	X	3.649	3.649	0	%100
12	M113A	Z	-6.32	-6.32	0	%100
13	M32	X	4.014	4.014	0	%100
14	M32	Z	-6.953	-6.953	0	%100
15	M33	X	4.014	4.014	0	%100
16	M33	Z	-6.953	-6.953	0	%100
17	M34	X	3.95	3.95	0	%100
18	M34	Z	-6.842	-6.842	0	%100
19	M16	X	8.284	8.284	0	%100
20	M16	Z	-14.348	-14.348	0	%100
21	M17	X	1.345	1.345	0	%100
22	M17	Z	-2.33	-2.33	0	%100
23	M18	X	1.226	1.226	0	%100
24	M18	Z	-2.123	-2.123	0	%100
25	M22	X	3.649	3.649	0	%100
26	M22	Z	-6.32	-6.32	0	%100
27	M23	X	.451	.451	0	%100
28	M23	Z	-.781	-.781	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	0	0	0	%100
31	M27	X	5.38	5.38	0	%100
32	M27	Z	-9.318	-9.318	0	%100
33	M28	X	4.903	4.903	0	%100
34	M28	Z	-8.491	-8.491	0	%100
35	M32A	X	1.535	1.535	0	%100
36	M32A	Z	-2.658	-2.658	0	%100
37	M33A	X	1.535	1.535	0	%100
38	M33A	Z	-2.658	-2.658	0	%100
39	M36	X	4.014	4.014	0	%100
40	M36	Z	-6.953	-6.953	0	%100
41	M37	X	4.014	4.014	0	%100
42	M37	Z	-6.953	-6.953	0	%100
43	M38	X	3.95	3.95	0	%100
44	M38	Z	-6.842	-6.842	0	%100
45	M39A	X	0	0	0	%100
46	M39A	Z	0	0	0	%100
47	M40A	X	0	0	0	%100
48	M40A	Z	0	0	0	%100
49	M41	X	0	0	0	%100
50	M41	Z	0	0	0	%100
51	MP2A	X	5.292	5.292	0	%100
52	MP2A	Z	-9.167	-9.167	0	%100
53	MP3A	X	4.372	4.372	0	%100
54	MP3A	Z	-7.573	-7.573	0	%100
55	MP4A	X	4.372	4.372	0	%100
56	MP4A	Z	-7.573	-7.573	0	%100
57	MP5A	X	4.372	4.372	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,%]
58	MP5A	Z	-7.573	-7.573	0	%100
59	MP1C	X	4.372	4.372	0	%100
60	MP1C	Z	-7.573	-7.573	0	%100
61	MP1B	X	4.372	4.372	0	%100
62	MP1B	Z	-7.573	-7.573	0	%100
63	MP2B	X	5.292	5.292	0	%100
64	MP2B	Z	-9.167	-9.167	0	%100
65	MP3B	X	4.372	4.372	0	%100
66	MP3B	Z	-7.573	-7.573	0	%100
67	MP4B	X	4.372	4.372	0	%100
68	MP4B	Z	-7.573	-7.573	0	%100
69	MP5B	X	4.372	4.372	0	%100
70	MP5B	Z	-7.573	-7.573	0	%100
71	MP2C	X	5.292	5.292	0	%100
72	MP2C	Z	-9.167	-9.167	0	%100
73	MP3C	X	4.372	4.372	0	%100
74	MP3C	Z	-7.573	-7.573	0	%100
75	MP4C	X	4.372	4.372	0	%100
76	MP4C	Z	-7.573	-7.573	0	%100
77	MP5C	X	4.372	4.372	0	%100
78	MP5C	Z	-7.573	-7.573	0	%100
79	OVP	X	3.78	3.78	0	%100
80	OVP	Z	-6.547	-6.547	0	%100
81	M71	X	3.969	3.969	0	%100
82	M71	Z	-6.875	-6.875	0	%100
83	M74	X	0	0	0	%100
84	M74	Z	0	0	0	%100
85	M77	X	5.207	5.207	0	%100
86	M77	Z	-9.019	-9.019	0	%100
87	M89	X	3.969	3.969	0	%100
88	M89	Z	-6.875	-6.875	0	%100
89	M90	X	0	0	0	%100
90	M90	Z	0	0	0	%100
91	M91	X	5.207	5.207	0	%100
92	M91	Z	-9.019	-9.019	0	%100
93	M93A	X	5.532	5.532	0	%100
94	M93A	Z	-9.582	-9.582	0	%100
95	M94	X	5.532	5.532	0	%100
96	M94	Z	-9.582	-9.582	0	%100
97	M95	X	9.202	9.202	0	%100
98	M95	Z	-15.938	-15.938	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	M39	X	4.783	4.783	0	%100
2	M39	Z	-2.761	-2.761	0	%100
3	M40	X	6.989	6.989	0	%100
4	M40	Z	-4.035	-4.035	0	%100
5	M43	X	6.369	6.369	0	%100
6	M43	Z	-3.677	-3.677	0	%100
7	MP1A	X	7.573	7.573	0	%100
8	MP1A	Z	-4.372	-4.372	0	%100
9	M112A	X	.186	.186	0	%100
10	M112A	Z	-.107	-.107	0	%100
11	M113A	X	5.725	5.725	0	%100
12	M113A	Z	-3.305	-3.305	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,%]
13	M32	X	2.318	2.318	0	%100
14	M32	Z	-1.338	-1.338	0	%100
15	M33	X	2.318	2.318	0	%100
16	M33	Z	-1.338	-1.338	0	%100
17	M34	X	2.281	2.281	0	%100
18	M34	Z	-1.317	-1.317	0	%100
19	M16	X	19.131	19.131	0	%100
20	M16	Z	-11.045	-11.045	0	%100
21	M17	X	0	0	0	%100
22	M17	Z	0	0	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	0	0	0	%100
25	M22	X	3.848	3.848	0	%100
26	M22	Z	-2.222	-2.222	0	%100
27	M23	X	3.848	3.848	0	%100
28	M23	Z	-2.222	-2.222	0	%100
29	M26	X	4.783	4.783	0	%100
30	M26	Z	-2.761	-2.761	0	%100
31	M27	X	6.989	6.989	0	%100
32	M27	Z	-4.035	-4.035	0	%100
33	M28	X	6.369	6.369	0	%100
34	M28	Z	-3.677	-3.677	0	%100
35	M32A	X	5.725	5.725	0	%100
36	M32A	Z	-3.305	-3.305	0	%100
37	M33A	X	.186	.186	0	%100
38	M33A	Z	-.107	-.107	0	%100
39	M36	X	9.27	9.27	0	%100
40	M36	Z	-5.352	-5.352	0	%100
41	M37	X	9.27	9.27	0	%100
42	M37	Z	-5.352	-5.352	0	%100
43	M38	X	9.123	9.123	0	%100
44	M38	Z	-5.267	-5.267	0	%100
45	M39A	X	2.318	2.318	0	%100
46	M39A	Z	-1.338	-1.338	0	%100
47	M40A	X	2.318	2.318	0	%100
48	M40A	Z	-1.338	-1.338	0	%100
49	M41	X	2.281	2.281	0	%100
50	M41	Z	-1.317	-1.317	0	%100
51	MP2A	X	9.167	9.167	0	%100
52	MP2A	Z	-5.292	-5.292	0	%100
53	MP3A	X	7.573	7.573	0	%100
54	MP3A	Z	-4.372	-4.372	0	%100
55	MP4A	X	7.573	7.573	0	%100
56	MP4A	Z	-4.372	-4.372	0	%100
57	MP5A	X	7.573	7.573	0	%100
58	MP5A	Z	-4.372	-4.372	0	%100
59	MP1C	X	7.573	7.573	0	%100
60	MP1C	Z	-4.372	-4.372	0	%100
61	MP1B	X	7.573	7.573	0	%100
62	MP1B	Z	-4.372	-4.372	0	%100
63	MP2B	X	9.167	9.167	0	%100
64	MP2B	Z	-5.292	-5.292	0	%100
65	MP3B	X	7.573	7.573	0	%100
66	MP3B	Z	-4.372	-4.372	0	%100
67	MP4B	X	7.573	7.573	0	%100
68	MP4B	Z	-4.372	-4.372	0	%100
69	MP5B	X	7.573	7.573	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,%]
70	MP5B	Z	-4.372	-4.372	0	%100
71	MP2C	X	9.167	9.167	0	%100
72	MP2C	Z	-5.292	-5.292	0	%100
73	MP3C	X	7.573	7.573	0	%100
74	MP3C	Z	-4.372	-4.372	0	%100
75	MP4C	X	7.573	7.573	0	%100
76	MP4C	Z	-4.372	-4.372	0	%100
77	MP5C	X	7.573	7.573	0	%100
78	MP5C	Z	-4.372	-4.372	0	%100
79	OVP	X	6.547	6.547	0	%100
80	OVP	Z	-3.78	-3.78	0	%100
81	M71	X	2.292	2.292	0	%100
82	M71	Z	-1.323	-1.323	0	%100
83	M74	X	2.292	2.292	0	%100
84	M74	Z	-1.323	-1.323	0	%100
85	M77	X	12.025	12.025	0	%100
86	M77	Z	-6.942	-6.942	0	%100
87	M89	X	9.167	9.167	0	%100
88	M89	Z	-5.292	-5.292	0	%100
89	M90	X	3.006	3.006	0	%100
90	M90	Z	-1.736	-1.736	0	%100
91	M91	X	3.006	3.006	0	%100
92	M91	Z	-1.736	-1.736	0	%100
93	M93A	X	13.819	13.819	0	%100
94	M93A	Z	-7.978	-7.978	0	%100
95	M94	X	7.463	7.463	0	%100
96	M94	Z	-4.309	-4.309	0	%100
97	M95	X	13.819	13.819	0	%100
98	M95	Z	-7.978	-7.978	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	M39	X	0	0	0	%100
2	M39	Z	0	0	0	%100
3	M40	X	10.76	10.76	0	%100
4	M40	Z	0	0	0	%100
5	M43	X	9.805	9.805	0	%100
6	M43	Z	0	0	0	%100
7	MP1A	X	8.744	8.744	0	%100
8	MP1A	Z	0	0	0	%100
9	M112A	X	3.069	3.069	0	%100
10	M112A	Z	0	0	0	%100
11	M113A	X	3.069	3.069	0	%100
12	M113A	Z	0	0	0	%100
13	M32	X	0	0	0	%100
14	M32	Z	0	0	0	%100
15	M33	X	0	0	0	%100
16	M33	Z	0	0	0	%100
17	M34	X	0	0	0	%100
18	M34	Z	0	0	0	%100
19	M16	X	16.568	16.568	0	%100
20	M16	Z	0	0	0	%100
21	M17	X	2.69	2.69	0	%100
22	M17	Z	0	0	0	%100
23	M18	X	2.451	2.451	0	%100
24	M18	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
25	M22	X	.902	.902	0	%100
26	M22	Z	0	0	0	%100
27	M23	X	7.298	7.298	0	%100
28	M23	Z	0	0	0	%100
29	M26	X	16.568	16.568	0	%100
30	M26	Z	0	0	0	%100
31	M27	X	2.69	2.69	0	%100
32	M27	Z	0	0	0	%100
33	M28	X	2.451	2.451	0	%100
34	M28	Z	0	0	0	%100
35	M32A	X	7.298	7.298	0	%100
36	M32A	Z	0	0	0	%100
37	M33A	X	.902	.902	0	%100
38	M33A	Z	0	0	0	%100
39	M36	X	8.028	8.028	0	%100
40	M36	Z	0	0	0	%100
41	M37	X	8.028	8.028	0	%100
42	M37	Z	0	0	0	%100
43	M38	X	7.9	7.9	0	%100
44	M38	Z	0	0	0	%100
45	M39A	X	8.028	8.028	0	%100
46	M39A	Z	0	0	0	%100
47	M40A	X	8.028	8.028	0	%100
48	M40A	Z	0	0	0	%100
49	M41	X	7.9	7.9	0	%100
50	M41	Z	0	0	0	%100
51	MP2A	X	10.585	10.585	0	%100
52	MP2A	Z	0	0	0	%100
53	MP3A	X	8.744	8.744	0	%100
54	MP3A	Z	0	0	0	%100
55	MP4A	X	8.744	8.744	0	%100
56	MP4A	Z	0	0	0	%100
57	MP5A	X	8.744	8.744	0	%100
58	MP5A	Z	0	0	0	%100
59	MP1C	X	8.744	8.744	0	%100
60	MP1C	Z	0	0	0	%100
61	MP1B	X	8.744	8.744	0	%100
62	MP1B	Z	0	0	0	%100
63	MP2B	X	10.585	10.585	0	%100
64	MP2B	Z	0	0	0	%100
65	MP3B	X	8.744	8.744	0	%100
66	MP3B	Z	0	0	0	%100
67	MP4B	X	8.744	8.744	0	%100
68	MP4B	Z	0	0	0	%100
69	MP5B	X	8.744	8.744	0	%100
70	MP5B	Z	0	0	0	%100
71	MP2C	X	10.585	10.585	0	%100
72	MP2C	Z	0	0	0	%100
73	MP3C	X	8.744	8.744	0	%100
74	MP3C	Z	0	0	0	%100
75	MP4C	X	8.744	8.744	0	%100
76	MP4C	Z	0	0	0	%100
77	MP5C	X	8.744	8.744	0	%100
78	MP5C	Z	0	0	0	%100
79	OVP	X	7.559	7.559	0	%100
80	OVP	Z	0	0	0	%100
81	M71	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
82	M71	Z	0	0	0	%100
83	M74	X	7.939	7.939	0	%100
84	M74	Z	0	0	0	%100
85	M77	X	10.414	10.414	0	%100
86	M77	Z	0	0	0	%100
87	M89	X	7.939	7.939	0	%100
88	M89	Z	0	0	0	%100
89	M90	X	10.414	10.414	0	%100
90	M90	Z	0	0	0	%100
91	M91	X	0	0	0	%100
92	M91	Z	0	0	0	%100
93	M93A	X	18.403	18.403	0	%100
94	M93A	Z	0	0	0	%100
95	M94	X	11.064	11.064	0	%100
96	M94	Z	0	0	0	%100
97	M95	X	11.064	11.064	0	%100
98	M95	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	M39	X	4.783	4.783	0	%100
2	M39	Z	2.761	2.761	0	%100
3	M40	X	6.989	6.989	0	%100
4	M40	Z	4.035	4.035	0	%100
5	M43	X	6.369	6.369	0	%100
6	M43	Z	3.677	3.677	0	%100
7	MP1A	X	7.573	7.573	0	%100
8	MP1A	Z	4.372	4.372	0	%100
9	M112A	X	5.725	5.725	0	%100
10	M112A	Z	3.305	3.305	0	%100
11	M113A	X	.186	.186	0	%100
12	M113A	Z	.107	.107	0	%100
13	M32	X	2.318	2.318	0	%100
14	M32	Z	1.338	1.338	0	%100
15	M33	X	2.318	2.318	0	%100
16	M33	Z	1.338	1.338	0	%100
17	M34	X	2.281	2.281	0	%100
18	M34	Z	1.317	1.317	0	%100
19	M16	X	4.783	4.783	0	%100
20	M16	Z	2.761	2.761	0	%100
21	M17	X	6.989	6.989	0	%100
22	M17	Z	4.035	4.035	0	%100
23	M18	X	6.369	6.369	0	%100
24	M18	Z	3.677	3.677	0	%100
25	M22	X	.186	.186	0	%100
26	M22	Z	.107	.107	0	%100
27	M23	X	5.725	5.725	0	%100
28	M23	Z	3.305	3.305	0	%100
29	M26	X	19.131	19.131	0	%100
30	M26	Z	11.045	11.045	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	0	0	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	0	0	0	%100
35	M32A	X	3.848	3.848	0	%100
36	M32A	Z	2.222	2.222	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,%]
37	M33A	X	3.848	3.848	0	%100
38	M33A	Z	2.222	2.222	0	%100
39	M36	X	2.318	2.318	0	%100
40	M36	Z	1.338	1.338	0	%100
41	M37	X	2.318	2.318	0	%100
42	M37	Z	1.338	1.338	0	%100
43	M38	X	2.281	2.281	0	%100
44	M38	Z	1.317	1.317	0	%100
45	M39A	X	9.27	9.27	0	%100
46	M39A	Z	5.352	5.352	0	%100
47	M40A	X	9.27	9.27	0	%100
48	M40A	Z	5.352	5.352	0	%100
49	M41	X	9.123	9.123	0	%100
50	M41	Z	5.267	5.267	0	%100
51	MP2A	X	9.167	9.167	0	%100
52	MP2A	Z	5.292	5.292	0	%100
53	MP3A	X	7.573	7.573	0	%100
54	MP3A	Z	4.372	4.372	0	%100
55	MP4A	X	7.573	7.573	0	%100
56	MP4A	Z	4.372	4.372	0	%100
57	MP5A	X	7.573	7.573	0	%100
58	MP5A	Z	4.372	4.372	0	%100
59	MP1C	X	7.573	7.573	0	%100
60	MP1C	Z	4.372	4.372	0	%100
61	MP1B	X	7.573	7.573	0	%100
62	MP1B	Z	4.372	4.372	0	%100
63	MP2B	X	9.167	9.167	0	%100
64	MP2B	Z	5.292	5.292	0	%100
65	MP3B	X	7.573	7.573	0	%100
66	MP3B	Z	4.372	4.372	0	%100
67	MP4B	X	7.573	7.573	0	%100
68	MP4B	Z	4.372	4.372	0	%100
69	MP5B	X	7.573	7.573	0	%100
70	MP5B	Z	4.372	4.372	0	%100
71	MP2C	X	9.167	9.167	0	%100
72	MP2C	Z	5.292	5.292	0	%100
73	MP3C	X	7.573	7.573	0	%100
74	MP3C	Z	4.372	4.372	0	%100
75	MP4C	X	7.573	7.573	0	%100
76	MP4C	Z	4.372	4.372	0	%100
77	MP5C	X	7.573	7.573	0	%100
78	MP5C	Z	4.372	4.372	0	%100
79	OVP	X	6.547	6.547	0	%100
80	OVP	Z	3.78	3.78	0	%100
81	M71	X	2.292	2.292	0	%100
82	M71	Z	1.323	1.323	0	%100
83	M74	X	9.167	9.167	0	%100
84	M74	Z	5.292	5.292	0	%100
85	M77	X	3.006	3.006	0	%100
86	M77	Z	1.736	1.736	0	%100
87	M89	X	2.292	2.292	0	%100
88	M89	Z	1.323	1.323	0	%100
89	M90	X	12.025	12.025	0	%100
90	M90	Z	6.942	6.942	0	%100
91	M91	X	3.006	3.006	0	%100
92	M91	Z	1.736	1.736	0	%100
93	M93A	X	13.819	13.819	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,%]
94	M93A	Z	7.978	7.978	0	%100
95	M94	X	13.819	13.819	0	%100
96	M94	Z	7.978	7.978	0	%100
97	M95	X	7.463	7.463	0	%100
98	M95	Z	4.309	4.309	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M39	X	8.284	8.284	0	%100
2	M39	Z	14.348	14.348	0	%100
3	M40	X	1.345	1.345	0	%100
4	M40	Z	2.33	2.33	0	%100
5	M43	X	1.226	1.226	0	%100
6	M43	Z	2.123	2.123	0	%100
7	MP1A	X	4.372	4.372	0	%100
8	MP1A	Z	7.573	7.573	0	%100
9	M112A	X	3.649	3.649	0	%100
10	M112A	Z	6.32	6.32	0	%100
11	M113A	X	.451	.451	0	%100
12	M113A	Z	.781	.781	0	%100
13	M32	X	4.014	4.014	0	%100
14	M32	Z	6.953	6.953	0	%100
15	M33	X	4.014	4.014	0	%100
16	M33	Z	6.953	6.953	0	%100
17	M34	X	3.95	3.95	0	%100
18	M34	Z	6.842	6.842	0	%100
19	M16	X	0	0	0	%100
20	M16	Z	0	0	0	%100
21	M17	X	5.38	5.38	0	%100
22	M17	Z	9.318	9.318	0	%100
23	M18	X	4.903	4.903	0	%100
24	M18	Z	8.491	8.491	0	%100
25	M22	X	1.535	1.535	0	%100
26	M22	Z	2.658	2.658	0	%100
27	M23	X	1.535	1.535	0	%100
28	M23	Z	2.658	2.658	0	%100
29	M26	X	8.284	8.284	0	%100
30	M26	Z	14.348	14.348	0	%100
31	M27	X	1.345	1.345	0	%100
32	M27	Z	2.33	2.33	0	%100
33	M28	X	1.226	1.226	0	%100
34	M28	Z	2.123	2.123	0	%100
35	M32A	X	.451	.451	0	%100
36	M32A	Z	.781	.781	0	%100
37	M33A	X	3.649	3.649	0	%100
38	M33A	Z	6.32	6.32	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	0	0	0	%100
41	M37	X	0	0	0	%100
42	M37	Z	0	0	0	%100
43	M38	X	0	0	0	%100
44	M38	Z	0	0	0	%100
45	M39A	X	4.014	4.014	0	%100
46	M39A	Z	6.953	6.953	0	%100
47	M40A	X	4.014	4.014	0	%100
48	M40A	Z	6.953	6.953	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,%]
49	M41	X	3.95	3.95	0	%100
50	M41	Z	6.842	6.842	0	%100
51	MP2A	X	5.292	5.292	0	%100
52	MP2A	Z	9.167	9.167	0	%100
53	MP3A	X	4.372	4.372	0	%100
54	MP3A	Z	7.573	7.573	0	%100
55	MP4A	X	4.372	4.372	0	%100
56	MP4A	Z	7.573	7.573	0	%100
57	MP5A	X	4.372	4.372	0	%100
58	MP5A	Z	7.573	7.573	0	%100
59	MP1C	X	4.372	4.372	0	%100
60	MP1C	Z	7.573	7.573	0	%100
61	MP1B	X	4.372	4.372	0	%100
62	MP1B	Z	7.573	7.573	0	%100
63	MP2B	X	5.292	5.292	0	%100
64	MP2B	Z	9.167	9.167	0	%100
65	MP3B	X	4.372	4.372	0	%100
66	MP3B	Z	7.573	7.573	0	%100
67	MP4B	X	4.372	4.372	0	%100
68	MP4B	Z	7.573	7.573	0	%100
69	MP5B	X	4.372	4.372	0	%100
70	MP5B	Z	7.573	7.573	0	%100
71	MP2C	X	5.292	5.292	0	%100
72	MP2C	Z	9.167	9.167	0	%100
73	MP3C	X	4.372	4.372	0	%100
74	MP3C	Z	7.573	7.573	0	%100
75	MP4C	X	4.372	4.372	0	%100
76	MP4C	Z	7.573	7.573	0	%100
77	MP5C	X	4.372	4.372	0	%100
78	MP5C	Z	7.573	7.573	0	%100
79	OVP	X	3.78	3.78	0	%100
80	OVP	Z	6.547	6.547	0	%100
81	M71	X	3.969	3.969	0	%100
82	M71	Z	6.875	6.875	0	%100
83	M74	X	3.969	3.969	0	%100
84	M74	Z	6.875	6.875	0	%100
85	M77	X	0	0	0	%100
86	M77	Z	0	0	0	%100
87	M89	X	0	0	0	%100
88	M89	Z	0	0	0	%100
89	M90	X	5.207	5.207	0	%100
90	M90	Z	9.019	9.019	0	%100
91	M91	X	5.207	5.207	0	%100
92	M91	Z	9.019	9.019	0	%100
93	M93A	X	5.532	5.532	0	%100
94	M93A	Z	9.582	9.582	0	%100
95	M94	X	9.202	9.202	0	%100
96	M94	Z	15.938	15.938	0	%100
97	M95	X	5.532	5.532	0	%100
98	M95	Z	9.582	9.582	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	M39	X	0	0	0	%100
2	M39	Z	22.09	22.09	0	%100
3	M40	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,%]
4	M40	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	8.744	8.744	0	%100
9	M112A	X	0	0	0	%100
10	M112A	Z	4.444	4.444	0	%100
11	M113A	X	0	0	0	%100
12	M113A	Z	4.444	4.444	0	%100
13	M32	X	0	0	0	%100
14	M32	Z	10.704	10.704	0	%100
15	M33	X	0	0	0	%100
16	M33	Z	10.704	10.704	0	%100
17	M34	X	0	0	0	%100
18	M34	Z	10.534	10.534	0	%100
19	M16	X	0	0	0	%100
20	M16	Z	5.523	5.523	0	%100
21	M17	X	0	0	0	%100
22	M17	Z	8.07	8.07	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	7.354	7.354	0	%100
25	M22	X	0	0	0	%100
26	M22	Z	6.611	6.611	0	%100
27	M23	X	0	0	0	%100
28	M23	Z	.215	.215	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	5.523	5.523	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	8.07	8.07	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	7.354	7.354	0	%100
35	M32A	X	0	0	0	%100
36	M32A	Z	.215	.215	0	%100
37	M33A	X	0	0	0	%100
38	M33A	Z	6.611	6.611	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	2.676	2.676	0	%100
41	M37	X	0	0	0	%100
42	M37	Z	2.676	2.676	0	%100
43	M38	X	0	0	0	%100
44	M38	Z	2.633	2.633	0	%100
45	M39A	X	0	0	0	%100
46	M39A	Z	2.676	2.676	0	%100
47	M40A	X	0	0	0	%100
48	M40A	Z	2.676	2.676	0	%100
49	M41	X	0	0	0	%100
50	M41	Z	2.633	2.633	0	%100
51	MP2A	X	0	0	0	%100
52	MP2A	Z	10.585	10.585	0	%100
53	MP3A	X	0	0	0	%100
54	MP3A	Z	8.744	8.744	0	%100
55	MP4A	X	0	0	0	%100
56	MP4A	Z	8.744	8.744	0	%100
57	MP5A	X	0	0	0	%100
58	MP5A	Z	8.744	8.744	0	%100
59	MP1C	X	0	0	0	%100
60	MP1C	Z	8.744	8.744	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,%]
61	MP1B	X	0	0	0	%100
62	MP1B	Z	8.744	8.744	0	%100
63	MP2B	X	0	0	0	%100
64	MP2B	Z	10.585	10.585	0	%100
65	MP3B	X	0	0	0	%100
66	MP3B	Z	8.744	8.744	0	%100
67	MP4B	X	0	0	0	%100
68	MP4B	Z	8.744	8.744	0	%100
69	MP5B	X	0	0	0	%100
70	MP5B	Z	8.744	8.744	0	%100
71	MP2C	X	0	0	0	%100
72	MP2C	Z	10.585	10.585	0	%100
73	MP3C	X	0	0	0	%100
74	MP3C	Z	8.744	8.744	0	%100
75	MP4C	X	0	0	0	%100
76	MP4C	Z	8.744	8.744	0	%100
77	MP5C	X	0	0	0	%100
78	MP5C	Z	8.744	8.744	0	%100
79	OVP	X	0	0	0	%100
80	OVP	Z	7.559	7.559	0	%100
81	M71	X	0	0	0	%100
82	M71	Z	10.585	10.585	0	%100
83	M74	X	0	0	0	%100
84	M74	Z	2.646	2.646	0	%100
85	M77	X	0	0	0	%100
86	M77	Z	3.471	3.471	0	%100
87	M89	X	0	0	0	%100
88	M89	Z	2.646	2.646	0	%100
89	M90	X	0	0	0	%100
90	M90	Z	3.471	3.471	0	%100
91	M91	X	0	0	0	%100
92	M91	Z	13.885	13.885	0	%100
93	M93A	X	0	0	0	%100
94	M93A	Z	8.618	8.618	0	%100
95	M94	X	0	0	0	%100
96	M94	Z	15.957	15.957	0	%100
97	M95	X	0	0	0	%100
98	M95	Z	15.957	15.957	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	M39	X	-8.284	-8.284	0	%100
2	M39	Z	14.348	14.348	0	%100
3	M40	X	-1.345	-1.345	0	%100
4	M40	Z	2.33	2.33	0	%100
5	M43	X	-1.226	-1.226	0	%100
6	M43	Z	2.123	2.123	0	%100
7	MP1A	X	-4.372	-4.372	0	%100
8	MP1A	Z	7.573	7.573	0	%100
9	M112A	X	-.451	-.451	0	%100
10	M112A	Z	.781	.781	0	%100
11	M113A	X	-3.649	-3.649	0	%100
12	M113A	Z	6.32	6.32	0	%100
13	M32	X	-4.014	-4.014	0	%100
14	M32	Z	6.953	6.953	0	%100
15	M33	X	-4.014	-4.014	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,%]
16	M33	Z	6.953	6.953	0	%100
17	M34	X	-3.95	-3.95	0	%100
18	M34	Z	6.842	6.842	0	%100
19	M16	X	-8.284	-8.284	0	%100
20	M16	Z	14.348	14.348	0	%100
21	M17	X	-1.345	-1.345	0	%100
22	M17	Z	2.33	2.33	0	%100
23	M18	X	-1.226	-1.226	0	%100
24	M18	Z	2.123	2.123	0	%100
25	M22	X	-3.649	-3.649	0	%100
26	M22	Z	6.32	6.32	0	%100
27	M23	X	-.451	-.451	0	%100
28	M23	Z	.781	.781	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	0	0	0	%100
31	M27	X	-5.38	-5.38	0	%100
32	M27	Z	9.318	9.318	0	%100
33	M28	X	-4.903	-4.903	0	%100
34	M28	Z	8.491	8.491	0	%100
35	M32A	X	-1.535	-1.535	0	%100
36	M32A	Z	2.658	2.658	0	%100
37	M33A	X	-1.535	-1.535	0	%100
38	M33A	Z	2.658	2.658	0	%100
39	M36	X	-4.014	-4.014	0	%100
40	M36	Z	6.953	6.953	0	%100
41	M37	X	-4.014	-4.014	0	%100
42	M37	Z	6.953	6.953	0	%100
43	M38	X	-3.95	-3.95	0	%100
44	M38	Z	6.842	6.842	0	%100
45	M39A	X	0	0	0	%100
46	M39A	Z	0	0	0	%100
47	M40A	X	0	0	0	%100
48	M40A	Z	0	0	0	%100
49	M41	X	0	0	0	%100
50	M41	Z	0	0	0	%100
51	MP2A	X	-5.292	-5.292	0	%100
52	MP2A	Z	9.167	9.167	0	%100
53	MP3A	X	-4.372	-4.372	0	%100
54	MP3A	Z	7.573	7.573	0	%100
55	MP4A	X	-4.372	-4.372	0	%100
56	MP4A	Z	7.573	7.573	0	%100
57	MP5A	X	-4.372	-4.372	0	%100
58	MP5A	Z	7.573	7.573	0	%100
59	MP1C	X	-4.372	-4.372	0	%100
60	MP1C	Z	7.573	7.573	0	%100
61	MP1B	X	-4.372	-4.372	0	%100
62	MP1B	Z	7.573	7.573	0	%100
63	MP2B	X	-5.292	-5.292	0	%100
64	MP2B	Z	9.167	9.167	0	%100
65	MP3B	X	-4.372	-4.372	0	%100
66	MP3B	Z	7.573	7.573	0	%100
67	MP4B	X	-4.372	-4.372	0	%100
68	MP4B	Z	7.573	7.573	0	%100
69	MP5B	X	-4.372	-4.372	0	%100
70	MP5B	Z	7.573	7.573	0	%100
71	MP2C	X	-5.292	-5.292	0	%100
72	MP2C	Z	9.167	9.167	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,%]
73	MP3C	X	-4.372	-4.372	0	%100
74	MP3C	Z	7.573	7.573	0	%100
75	MP4C	X	-4.372	-4.372	0	%100
76	MP4C	Z	7.573	7.573	0	%100
77	MP5C	X	-4.372	-4.372	0	%100
78	MP5C	Z	7.573	7.573	0	%100
79	OVP	X	-3.78	-3.78	0	%100
80	OVP	Z	6.547	6.547	0	%100
81	M71	X	-3.969	-3.969	0	%100
82	M71	Z	6.875	6.875	0	%100
83	M74	X	0	0	0	%100
84	M74	Z	0	0	0	%100
85	M77	X	-5.207	-5.207	0	%100
86	M77	Z	9.019	9.019	0	%100
87	M89	X	-3.969	-3.969	0	%100
88	M89	Z	6.875	6.875	0	%100
89	M90	X	0	0	0	%100
90	M90	Z	0	0	0	%100
91	M91	X	-5.207	-5.207	0	%100
92	M91	Z	9.019	9.019	0	%100
93	M93A	X	-5.532	-5.532	0	%100
94	M93A	Z	9.582	9.582	0	%100
95	M94	X	-5.532	-5.532	0	%100
96	M94	Z	9.582	9.582	0	%100
97	M95	X	-9.202	-9.202	0	%100
98	M95	Z	15.938	15.938	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	M39	X	-4.783	-4.783	0	%100
2	M39	Z	2.761	2.761	0	%100
3	M40	X	-6.989	-6.989	0	%100
4	M40	Z	4.035	4.035	0	%100
5	M43	X	-6.369	-6.369	0	%100
6	M43	Z	3.677	3.677	0	%100
7	MP1A	X	-7.573	-7.573	0	%100
8	MP1A	Z	4.372	4.372	0	%100
9	M112A	X	-.186	-.186	0	%100
10	M112A	Z	.107	.107	0	%100
11	M113A	X	-5.725	-5.725	0	%100
12	M113A	Z	3.305	3.305	0	%100
13	M32	X	-2.318	-2.318	0	%100
14	M32	Z	1.338	1.338	0	%100
15	M33	X	-2.318	-2.318	0	%100
16	M33	Z	1.338	1.338	0	%100
17	M34	X	-2.281	-2.281	0	%100
18	M34	Z	1.317	1.317	0	%100
19	M16	X	-19.131	-19.131	0	%100
20	M16	Z	11.045	11.045	0	%100
21	M17	X	0	0	0	%100
22	M17	Z	0	0	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	0	0	0	%100
25	M22	X	-3.848	-3.848	0	%100
26	M22	Z	2.222	2.222	0	%100
27	M23	X	-3.848	-3.848	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,%]
28	M23	Z	2.222	2.222	0	%100
29	M26	X	-4.783	-4.783	0	%100
30	M26	Z	2.761	2.761	0	%100
31	M27	X	-6.989	-6.989	0	%100
32	M27	Z	4.035	4.035	0	%100
33	M28	X	-6.369	-6.369	0	%100
34	M28	Z	3.677	3.677	0	%100
35	M32A	X	-5.725	-5.725	0	%100
36	M32A	Z	3.305	3.305	0	%100
37	M33A	X	-.186	-.186	0	%100
38	M33A	Z	.107	.107	0	%100
39	M36	X	-9.27	-9.27	0	%100
40	M36	Z	5.352	5.352	0	%100
41	M37	X	-9.27	-9.27	0	%100
42	M37	Z	5.352	5.352	0	%100
43	M38	X	-9.123	-9.123	0	%100
44	M38	Z	5.267	5.267	0	%100
45	M39A	X	-2.318	-2.318	0	%100
46	M39A	Z	1.338	1.338	0	%100
47	M40A	X	-2.318	-2.318	0	%100
48	M40A	Z	1.338	1.338	0	%100
49	M41	X	-2.281	-2.281	0	%100
50	M41	Z	1.317	1.317	0	%100
51	MP2A	X	-9.167	-9.167	0	%100
52	MP2A	Z	5.292	5.292	0	%100
53	MP3A	X	-7.573	-7.573	0	%100
54	MP3A	Z	4.372	4.372	0	%100
55	MP4A	X	-7.573	-7.573	0	%100
56	MP4A	Z	4.372	4.372	0	%100
57	MP5A	X	-7.573	-7.573	0	%100
58	MP5A	Z	4.372	4.372	0	%100
59	MP1C	X	-7.573	-7.573	0	%100
60	MP1C	Z	4.372	4.372	0	%100
61	MP1B	X	-7.573	-7.573	0	%100
62	MP1B	Z	4.372	4.372	0	%100
63	MP2B	X	-9.167	-9.167	0	%100
64	MP2B	Z	5.292	5.292	0	%100
65	MP3B	X	-7.573	-7.573	0	%100
66	MP3B	Z	4.372	4.372	0	%100
67	MP4B	X	-7.573	-7.573	0	%100
68	MP4B	Z	4.372	4.372	0	%100
69	MP5B	X	-7.573	-7.573	0	%100
70	MP5B	Z	4.372	4.372	0	%100
71	MP2C	X	-9.167	-9.167	0	%100
72	MP2C	Z	5.292	5.292	0	%100
73	MP3C	X	-7.573	-7.573	0	%100
74	MP3C	Z	4.372	4.372	0	%100
75	MP4C	X	-7.573	-7.573	0	%100
76	MP4C	Z	4.372	4.372	0	%100
77	MP5C	X	-7.573	-7.573	0	%100
78	MP5C	Z	4.372	4.372	0	%100
79	OVP	X	-6.547	-6.547	0	%100
80	OVP	Z	3.78	3.78	0	%100
81	M71	X	-2.292	-2.292	0	%100
82	M71	Z	1.323	1.323	0	%100
83	M74	X	-2.292	-2.292	0	%100
84	M74	Z	1.323	1.323	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,%]
85	M77	X	-12.025	-12.025	0	%100
86	M77	Z	6.942	6.942	0	%100
87	M89	X	-9.167	-9.167	0	%100
88	M89	Z	5.292	5.292	0	%100
89	M90	X	-3.006	-3.006	0	%100
90	M90	Z	1.736	1.736	0	%100
91	M91	X	-3.006	-3.006	0	%100
92	M91	Z	1.736	1.736	0	%100
93	M93A	X	-13.819	-13.819	0	%100
94	M93A	Z	7.978	7.978	0	%100
95	M94	X	-7.463	-7.463	0	%100
96	M94	Z	4.309	4.309	0	%100
97	M95	X	-13.819	-13.819	0	%100
98	M95	Z	7.978	7.978	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	M39	X	0	0	0	%100
2	M39	Z	0	0	0	%100
3	M40	X	-10.76	-10.76	0	%100
4	M40	Z	0	0	0	%100
5	M43	X	-9.805	-9.805	0	%100
6	M43	Z	0	0	0	%100
7	MP1A	X	-8.744	-8.744	0	%100
8	MP1A	Z	0	0	0	%100
9	M112A	X	-3.069	-3.069	0	%100
10	M112A	Z	0	0	0	%100
11	M113A	X	-3.069	-3.069	0	%100
12	M113A	Z	0	0	0	%100
13	M32	X	0	0	0	%100
14	M32	Z	0	0	0	%100
15	M33	X	0	0	0	%100
16	M33	Z	0	0	0	%100
17	M34	X	0	0	0	%100
18	M34	Z	0	0	0	%100
19	M16	X	-16.568	-16.568	0	%100
20	M16	Z	0	0	0	%100
21	M17	X	-2.69	-2.69	0	%100
22	M17	Z	0	0	0	%100
23	M18	X	-2.451	-2.451	0	%100
24	M18	Z	0	0	0	%100
25	M22	X	-.902	-.902	0	%100
26	M22	Z	0	0	0	%100
27	M23	X	-7.298	-7.298	0	%100
28	M23	Z	0	0	0	%100
29	M26	X	-16.568	-16.568	0	%100
30	M26	Z	0	0	0	%100
31	M27	X	-2.69	-2.69	0	%100
32	M27	Z	0	0	0	%100
33	M28	X	-2.451	-2.451	0	%100
34	M28	Z	0	0	0	%100
35	M32A	X	-7.298	-7.298	0	%100
36	M32A	Z	0	0	0	%100
37	M33A	X	-.902	-.902	0	%100
38	M33A	Z	0	0	0	%100
39	M36	X	-8.028	-8.028	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,%]
40	M36	Z	0	0	0	%100
41	M37	X	-8.028	-8.028	0	%100
42	M37	Z	0	0	0	%100
43	M38	X	-7.9	-7.9	0	%100
44	M38	Z	0	0	0	%100
45	M39A	X	-8.028	-8.028	0	%100
46	M39A	Z	0	0	0	%100
47	M40A	X	-8.028	-8.028	0	%100
48	M40A	Z	0	0	0	%100
49	M41	X	-7.9	-7.9	0	%100
50	M41	Z	0	0	0	%100
51	MP2A	X	-10.585	-10.585	0	%100
52	MP2A	Z	0	0	0	%100
53	MP3A	X	-8.744	-8.744	0	%100
54	MP3A	Z	0	0	0	%100
55	MP4A	X	-8.744	-8.744	0	%100
56	MP4A	Z	0	0	0	%100
57	MP5A	X	-8.744	-8.744	0	%100
58	MP5A	Z	0	0	0	%100
59	MP1C	X	-8.744	-8.744	0	%100
60	MP1C	Z	0	0	0	%100
61	MP1B	X	-8.744	-8.744	0	%100
62	MP1B	Z	0	0	0	%100
63	MP2B	X	-10.585	-10.585	0	%100
64	MP2B	Z	0	0	0	%100
65	MP3B	X	-8.744	-8.744	0	%100
66	MP3B	Z	0	0	0	%100
67	MP4B	X	-8.744	-8.744	0	%100
68	MP4B	Z	0	0	0	%100
69	MP5B	X	-8.744	-8.744	0	%100
70	MP5B	Z	0	0	0	%100
71	MP2C	X	-10.585	-10.585	0	%100
72	MP2C	Z	0	0	0	%100
73	MP3C	X	-8.744	-8.744	0	%100
74	MP3C	Z	0	0	0	%100
75	MP4C	X	-8.744	-8.744	0	%100
76	MP4C	Z	0	0	0	%100
77	MP5C	X	-8.744	-8.744	0	%100
78	MP5C	Z	0	0	0	%100
79	OVP	X	-7.559	-7.559	0	%100
80	OVP	Z	0	0	0	%100
81	M71	X	0	0	0	%100
82	M71	Z	0	0	0	%100
83	M74	X	-7.939	-7.939	0	%100
84	M74	Z	0	0	0	%100
85	M77	X	-10.414	-10.414	0	%100
86	M77	Z	0	0	0	%100
87	M89	X	-7.939	-7.939	0	%100
88	M89	Z	0	0	0	%100
89	M90	X	-10.414	-10.414	0	%100
90	M90	Z	0	0	0	%100
91	M91	X	0	0	0	%100
92	M91	Z	0	0	0	%100
93	M93A	X	-18.403	-18.403	0	%100
94	M93A	Z	0	0	0	%100
95	M94	X	-11.064	-11.064	0	%100
96	M94	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,%]
97	M95	X	-11.064	-11.064	0	%100
98	M95	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	M39	X	-4.783	-4.783	0	%100
2	M39	Z	-2.761	-2.761	0	%100
3	M40	X	-6.989	-6.989	0	%100
4	M40	Z	-4.035	-4.035	0	%100
5	M43	X	-6.369	-6.369	0	%100
6	M43	Z	-3.677	-3.677	0	%100
7	MP1A	X	-7.573	-7.573	0	%100
8	MP1A	Z	-4.372	-4.372	0	%100
9	M112A	X	-5.725	-5.725	0	%100
10	M112A	Z	-3.305	-3.305	0	%100
11	M113A	X	-.186	-.186	0	%100
12	M113A	Z	-.107	-.107	0	%100
13	M32	X	-2.318	-2.318	0	%100
14	M32	Z	-1.338	-1.338	0	%100
15	M33	X	-2.318	-2.318	0	%100
16	M33	Z	-1.338	-1.338	0	%100
17	M34	X	-2.281	-2.281	0	%100
18	M34	Z	-1.317	-1.317	0	%100
19	M16	X	-4.783	-4.783	0	%100
20	M16	Z	-2.761	-2.761	0	%100
21	M17	X	-6.989	-6.989	0	%100
22	M17	Z	-4.035	-4.035	0	%100
23	M18	X	-6.369	-6.369	0	%100
24	M18	Z	-3.677	-3.677	0	%100
25	M22	X	-.186	-.186	0	%100
26	M22	Z	-.107	-.107	0	%100
27	M23	X	-5.725	-5.725	0	%100
28	M23	Z	-3.305	-3.305	0	%100
29	M26	X	-19.131	-19.131	0	%100
30	M26	Z	-11.045	-11.045	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	0	0	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	0	0	0	%100
35	M32A	X	-3.848	-3.848	0	%100
36	M32A	Z	-2.222	-2.222	0	%100
37	M33A	X	-3.848	-3.848	0	%100
38	M33A	Z	-2.222	-2.222	0	%100
39	M36	X	-2.318	-2.318	0	%100
40	M36	Z	-1.338	-1.338	0	%100
41	M37	X	-2.318	-2.318	0	%100
42	M37	Z	-1.338	-1.338	0	%100
43	M38	X	-2.281	-2.281	0	%100
44	M38	Z	-1.317	-1.317	0	%100
45	M39A	X	-9.27	-9.27	0	%100
46	M39A	Z	-5.352	-5.352	0	%100
47	M40A	X	-9.27	-9.27	0	%100
48	M40A	Z	-5.352	-5.352	0	%100
49	M41	X	-9.123	-9.123	0	%100
50	M41	Z	-5.267	-5.267	0	%100
51	MP2A	X	-9.167	-9.167	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
52	MP2A	Z	-5.292	-5.292	0	%100
53	MP3A	X	-7.573	-7.573	0	%100
54	MP3A	Z	-4.372	-4.372	0	%100
55	MP4A	X	-7.573	-7.573	0	%100
56	MP4A	Z	-4.372	-4.372	0	%100
57	MP5A	X	-7.573	-7.573	0	%100
58	MP5A	Z	-4.372	-4.372	0	%100
59	MP1C	X	-7.573	-7.573	0	%100
60	MP1C	Z	-4.372	-4.372	0	%100
61	MP1B	X	-7.573	-7.573	0	%100
62	MP1B	Z	-4.372	-4.372	0	%100
63	MP2B	X	-9.167	-9.167	0	%100
64	MP2B	Z	-5.292	-5.292	0	%100
65	MP3B	X	-7.573	-7.573	0	%100
66	MP3B	Z	-4.372	-4.372	0	%100
67	MP4B	X	-7.573	-7.573	0	%100
68	MP4B	Z	-4.372	-4.372	0	%100
69	MP5B	X	-7.573	-7.573	0	%100
70	MP5B	Z	-4.372	-4.372	0	%100
71	MP2C	X	-9.167	-9.167	0	%100
72	MP2C	Z	-5.292	-5.292	0	%100
73	MP3C	X	-7.573	-7.573	0	%100
74	MP3C	Z	-4.372	-4.372	0	%100
75	MP4C	X	-7.573	-7.573	0	%100
76	MP4C	Z	-4.372	-4.372	0	%100
77	MP5C	X	-7.573	-7.573	0	%100
78	MP5C	Z	-4.372	-4.372	0	%100
79	OVP	X	-6.547	-6.547	0	%100
80	OVP	Z	-3.78	-3.78	0	%100
81	M71	X	-2.292	-2.292	0	%100
82	M71	Z	-1.323	-1.323	0	%100
83	M74	X	-9.167	-9.167	0	%100
84	M74	Z	-5.292	-5.292	0	%100
85	M77	X	-3.006	-3.006	0	%100
86	M77	Z	-1.736	-1.736	0	%100
87	M89	X	-2.292	-2.292	0	%100
88	M89	Z	-1.323	-1.323	0	%100
89	M90	X	-12.025	-12.025	0	%100
90	M90	Z	-6.942	-6.942	0	%100
91	M91	X	-3.006	-3.006	0	%100
92	M91	Z	-1.736	-1.736	0	%100
93	M93A	X	-13.819	-13.819	0	%100
94	M93A	Z	-7.978	-7.978	0	%100
95	M94	X	-13.819	-13.819	0	%100
96	M94	Z	-7.978	-7.978	0	%100
97	M95	X	-7.463	-7.463	0	%100
98	M95	Z	-4.309	-4.309	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M39	X	-8.284	-8.284	0	%100
2	M39	Z	-14.348	-14.348	0	%100
3	M40	X	-1.345	-1.345	0	%100
4	M40	Z	-2.33	-2.33	0	%100
5	M43	X	-1.226	-1.226	0	%100
6	M43	Z	-2.123	-2.123	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,%]
7	MP1A	X	-4.372	-4.372	0	%100
8	MP1A	Z	-7.573	-7.573	0	%100
9	M112A	X	-3.649	-3.649	0	%100
10	M112A	Z	-6.32	-6.32	0	%100
11	M113A	X	-.451	-.451	0	%100
12	M113A	Z	-.781	-.781	0	%100
13	M32	X	-4.014	-4.014	0	%100
14	M32	Z	-6.953	-6.953	0	%100
15	M33	X	-4.014	-4.014	0	%100
16	M33	Z	-6.953	-6.953	0	%100
17	M34	X	-3.95	-3.95	0	%100
18	M34	Z	-6.842	-6.842	0	%100
19	M16	X	0	0	0	%100
20	M16	Z	0	0	0	%100
21	M17	X	-5.38	-5.38	0	%100
22	M17	Z	-9.318	-9.318	0	%100
23	M18	X	-4.903	-4.903	0	%100
24	M18	Z	-8.491	-8.491	0	%100
25	M22	X	-1.535	-1.535	0	%100
26	M22	Z	-2.658	-2.658	0	%100
27	M23	X	-1.535	-1.535	0	%100
28	M23	Z	-2.658	-2.658	0	%100
29	M26	X	-8.284	-8.284	0	%100
30	M26	Z	-14.348	-14.348	0	%100
31	M27	X	-1.345	-1.345	0	%100
32	M27	Z	-2.33	-2.33	0	%100
33	M28	X	-1.226	-1.226	0	%100
34	M28	Z	-2.123	-2.123	0	%100
35	M32A	X	-.451	-.451	0	%100
36	M32A	Z	-.781	-.781	0	%100
37	M33A	X	-3.649	-3.649	0	%100
38	M33A	Z	-6.32	-6.32	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	0	0	0	%100
41	M37	X	0	0	0	%100
42	M37	Z	0	0	0	%100
43	M38	X	0	0	0	%100
44	M38	Z	0	0	0	%100
45	M39A	X	-4.014	-4.014	0	%100
46	M39A	Z	-6.953	-6.953	0	%100
47	M40A	X	-4.014	-4.014	0	%100
48	M40A	Z	-6.953	-6.953	0	%100
49	M41	X	-3.95	-3.95	0	%100
50	M41	Z	-6.842	-6.842	0	%100
51	MP2A	X	-5.292	-5.292	0	%100
52	MP2A	Z	-9.167	-9.167	0	%100
53	MP3A	X	-4.372	-4.372	0	%100
54	MP3A	Z	-7.573	-7.573	0	%100
55	MP4A	X	-4.372	-4.372	0	%100
56	MP4A	Z	-7.573	-7.573	0	%100
57	MP5A	X	-4.372	-4.372	0	%100
58	MP5A	Z	-7.573	-7.573	0	%100
59	MP1C	X	-4.372	-4.372	0	%100
60	MP1C	Z	-7.573	-7.573	0	%100
61	MP1B	X	-4.372	-4.372	0	%100
62	MP1B	Z	-7.573	-7.573	0	%100
63	MP2B	X	-5.292	-5.292	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,%]
64	MP2B	Z	-9.167	-9.167	0	%100
65	MP3B	X	-4.372	-4.372	0	%100
66	MP3B	Z	-7.573	-7.573	0	%100
67	MP4B	X	-4.372	-4.372	0	%100
68	MP4B	Z	-7.573	-7.573	0	%100
69	MP5B	X	-4.372	-4.372	0	%100
70	MP5B	Z	-7.573	-7.573	0	%100
71	MP2C	X	-5.292	-5.292	0	%100
72	MP2C	Z	-9.167	-9.167	0	%100
73	MP3C	X	-4.372	-4.372	0	%100
74	MP3C	Z	-7.573	-7.573	0	%100
75	MP4C	X	-4.372	-4.372	0	%100
76	MP4C	Z	-7.573	-7.573	0	%100
77	MP5C	X	-4.372	-4.372	0	%100
78	MP5C	Z	-7.573	-7.573	0	%100
79	OVP	X	-3.78	-3.78	0	%100
80	OVP	Z	-6.547	-6.547	0	%100
81	M71	X	-3.969	-3.969	0	%100
82	M71	Z	-6.875	-6.875	0	%100
83	M74	X	-3.969	-3.969	0	%100
84	M74	Z	-6.875	-6.875	0	%100
85	M77	X	0	0	0	%100
86	M77	Z	0	0	0	%100
87	M89	X	0	0	0	%100
88	M89	Z	0	0	0	%100
89	M90	X	-5.207	-5.207	0	%100
90	M90	Z	-9.019	-9.019	0	%100
91	M91	X	-5.207	-5.207	0	%100
92	M91	Z	-9.019	-9.019	0	%100
93	M93A	X	-5.532	-5.532	0	%100
94	M93A	Z	-9.582	-9.582	0	%100
95	M94	X	-9.202	-9.202	0	%100
96	M94	Z	-15.938	-15.938	0	%100
97	M95	X	-5.532	-5.532	0	%100
98	M95	Z	-9.582	-9.582	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	M39	X	0	0	0	%100
2	M39	Z	-5.578	-5.578	0	%100
3	M40	X	0	0	0	%100
4	M40	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	-4.005	-4.005	0	%100
9	M112A	X	0	0	0	%100
10	M112A	Z	-1.857	-1.857	0	%100
11	M113A	X	0	0	0	%100
12	M113A	Z	-1.857	-1.857	0	%100
13	M32	X	0	0	0	%100
14	M32	Z	-4.009	-4.009	0	%100
15	M33	X	0	0	0	%100
16	M33	Z	-4.009	-4.009	0	%100
17	M34	X	0	0	0	%100
18	M34	Z	-3.944	-3.944	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,%]
19	M16	X	0	0	0	%100
20	M16	Z	-1.394	-1.394	0	%100
21	M17	X	0	0	0	%100
22	M17	Z	-3.082	-3.082	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	-2.792	-2.792	0	%100
25	M22	X	0	0	0	%100
26	M22	Z	-2.763	-2.763	0	%100
27	M23	X	0	0	0	%100
28	M23	Z	-.09	-.09	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	-1.394	-1.394	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	-3.082	-3.082	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	-2.792	-2.792	0	%100
35	M32A	X	0	0	0	%100
36	M32A	Z	-.09	-.09	0	%100
37	M33A	X	0	0	0	%100
38	M33A	Z	-2.763	-2.763	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	-1.002	-1.002	0	%100
41	M37	X	0	0	0	%100
42	M37	Z	-1.002	-1.002	0	%100
43	M38	X	0	0	0	%100
44	M38	Z	-.986	-.986	0	%100
45	M39A	X	0	0	0	%100
46	M39A	Z	-1.002	-1.002	0	%100
47	M40A	X	0	0	0	%100
48	M40A	Z	-1.002	-1.002	0	%100
49	M41	X	0	0	0	%100
50	M41	Z	-.986	-.986	0	%100
51	MP2A	X	0	0	0	%100
52	MP2A	Z	-4.353	-4.353	0	%100
53	MP3A	X	0	0	0	%100
54	MP3A	Z	-4.005	-4.005	0	%100
55	MP4A	X	0	0	0	%100
56	MP4A	Z	-4.005	-4.005	0	%100
57	MP5A	X	0	0	0	%100
58	MP5A	Z	-4.005	-4.005	0	%100
59	MP1C	X	0	0	0	%100
60	MP1C	Z	-4.005	-4.005	0	%100
61	MP1B	X	0	0	0	%100
62	MP1B	Z	-4.005	-4.005	0	%100
63	MP2B	X	0	0	0	%100
64	MP2B	Z	-4.353	-4.353	0	%100
65	MP3B	X	0	0	0	%100
66	MP3B	Z	-4.005	-4.005	0	%100
67	MP4B	X	0	0	0	%100
68	MP4B	Z	-4.005	-4.005	0	%100
69	MP5B	X	0	0	0	%100
70	MP5B	Z	-4.005	-4.005	0	%100
71	MP2C	X	0	0	0	%100
72	MP2C	Z	-4.353	-4.353	0	%100
73	MP3C	X	0	0	0	%100
74	MP3C	Z	-4.005	-4.005	0	%100
75	MP4C	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
76	MP4C	Z	-4.005	-4.005	0	%100
77	MP5C	X	0	0	0	%100
78	MP5C	Z	-4.005	-4.005	0	%100
79	OVP	X	0	0	0	%100
80	OVP	Z	-3.24	-3.24	0	%100
81	M71	X	0	0	0	%100
82	M71	Z	-4.365	-4.365	0	%100
83	M74	X	0	0	0	%100
84	M74	Z	-1.091	-1.091	0	%100
85	M77	X	0	0	0	%100
86	M77	Z	-1.073	-1.073	0	%100
87	M89	X	0	0	0	%100
88	M89	Z	-1.091	-1.091	0	%100
89	M90	X	0	0	0	%100
90	M90	Z	-1.073	-1.073	0	%100
91	M91	X	0	0	0	%100
92	M91	Z	-4.291	-4.291	0	%100
93	M93A	X	0	0	0	%100
94	M93A	Z	-2.235	-2.235	0	%100
95	M94	X	0	0	0	%100
96	M94	Z	-4.845	-4.845	0	%100
97	M95	X	0	0	0	%100
98	M95	Z	-4.845	-4.845	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	M39	X	2.092	2.092	0	%100
2	M39	Z	-3.623	-3.623	0	%100
3	M40	X	.514	.514	0	%100
4	M40	Z	-.89	-.89	0	%100
5	M43	X	.465	.465	0	%100
6	M43	Z	-.806	-.806	0	%100
7	MP1A	X	2.003	2.003	0	%100
8	MP1A	Z	-3.469	-3.469	0	%100
9	M112A	X	.188	.188	0	%100
10	M112A	Z	-.326	-.326	0	%100
11	M113A	X	1.525	1.525	0	%100
12	M113A	Z	-2.642	-2.642	0	%100
13	M32	X	1.503	1.503	0	%100
14	M32	Z	-2.604	-2.604	0	%100
15	M33	X	1.503	1.503	0	%100
16	M33	Z	-2.604	-2.604	0	%100
17	M34	X	1.479	1.479	0	%100
18	M34	Z	-2.562	-2.562	0	%100
19	M16	X	2.092	2.092	0	%100
20	M16	Z	-3.623	-3.623	0	%100
21	M17	X	.514	.514	0	%100
22	M17	Z	-.89	-.89	0	%100
23	M18	X	.465	.465	0	%100
24	M18	Z	-.806	-.806	0	%100
25	M22	X	1.525	1.525	0	%100
26	M22	Z	-2.642	-2.642	0	%100
27	M23	X	.188	.188	0	%100
28	M23	Z	-.326	-.326	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
31	M27	X	2.055	2.055	0	%100
32	M27	Z	-3.559	-3.559	0	%100
33	M28	X	1.861	1.861	0	%100
34	M28	Z	-3.224	-3.224	0	%100
35	M32A	X	.641	.641	0	%100
36	M32A	Z	-1.111	-1.111	0	%100
37	M33A	X	.641	.641	0	%100
38	M33A	Z	-1.111	-1.111	0	%100
39	M36	X	1.503	1.503	0	%100
40	M36	Z	-2.604	-2.604	0	%100
41	M37	X	1.503	1.503	0	%100
42	M37	Z	-2.604	-2.604	0	%100
43	M38	X	1.479	1.479	0	%100
44	M38	Z	-2.562	-2.562	0	%100
45	M39A	X	0	0	0	%100
46	M39A	Z	0	0	0	%100
47	M40A	X	0	0	0	%100
48	M40A	Z	0	0	0	%100
49	M41	X	0	0	0	%100
50	M41	Z	0	0	0	%100
51	MP2A	X	2.177	2.177	0	%100
52	MP2A	Z	-3.77	-3.77	0	%100
53	MP3A	X	2.003	2.003	0	%100
54	MP3A	Z	-3.469	-3.469	0	%100
55	MP4A	X	2.003	2.003	0	%100
56	MP4A	Z	-3.469	-3.469	0	%100
57	MP5A	X	2.003	2.003	0	%100
58	MP5A	Z	-3.469	-3.469	0	%100
59	MP1C	X	2.003	2.003	0	%100
60	MP1C	Z	-3.469	-3.469	0	%100
61	MP1B	X	2.003	2.003	0	%100
62	MP1B	Z	-3.469	-3.469	0	%100
63	MP2B	X	2.177	2.177	0	%100
64	MP2B	Z	-3.77	-3.77	0	%100
65	MP3B	X	2.003	2.003	0	%100
66	MP3B	Z	-3.469	-3.469	0	%100
67	MP4B	X	2.003	2.003	0	%100
68	MP4B	Z	-3.469	-3.469	0	%100
69	MP5B	X	2.003	2.003	0	%100
70	MP5B	Z	-3.469	-3.469	0	%100
71	MP2C	X	2.177	2.177	0	%100
72	MP2C	Z	-3.77	-3.77	0	%100
73	MP3C	X	2.003	2.003	0	%100
74	MP3C	Z	-3.469	-3.469	0	%100
75	MP4C	X	2.003	2.003	0	%100
76	MP4C	Z	-3.469	-3.469	0	%100
77	MP5C	X	2.003	2.003	0	%100
78	MP5C	Z	-3.469	-3.469	0	%100
79	OVP	X	1.62	1.62	0	%100
80	OVP	Z	-2.806	-2.806	0	%100
81	M71	X	1.637	1.637	0	%100
82	M71	Z	-2.835	-2.835	0	%100
83	M74	X	0	0	0	%100
84	M74	Z	0	0	0	%100
85	M77	X	1.609	1.609	0	%100
86	M77	Z	-2.787	-2.787	0	%100
87	M89	X	1.637	1.637	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,%]
88	M89	Z	-2.835	-2.835	0	%100
89	M90	X	0	0	0	%100
90	M90	Z	0	0	0	%100
91	M91	X	1.609	1.609	0	%100
92	M91	Z	-2.787	-2.787	0	%100
93	M93A	X	1.552	1.552	0	%100
94	M93A	Z	-2.689	-2.689	0	%100
95	M94	X	1.552	1.552	0	%100
96	M94	Z	-2.689	-2.689	0	%100
97	M95	X	2.857	2.857	0	%100
98	M95	Z	-4.949	-4.949	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	M39	X	1.208	1.208	0	%100
2	M39	Z	-.697	-.697	0	%100
3	M40	X	2.669	2.669	0	%100
4	M40	Z	-1.541	-1.541	0	%100
5	M43	X	2.418	2.418	0	%100
6	M43	Z	-1.396	-1.396	0	%100
7	MP1A	X	3.469	3.469	0	%100
8	MP1A	Z	-2.003	-2.003	0	%100
9	M112A	X	.078	.078	0	%100
10	M112A	Z	-.045	-.045	0	%100
11	M113A	X	2.393	2.393	0	%100
12	M113A	Z	-1.382	-1.382	0	%100
13	M32	X	.868	.868	0	%100
14	M32	Z	-.501	-.501	0	%100
15	M33	X	.868	.868	0	%100
16	M33	Z	-.501	-.501	0	%100
17	M34	X	.854	.854	0	%100
18	M34	Z	-.493	-.493	0	%100
19	M16	X	4.83	4.83	0	%100
20	M16	Z	-2.789	-2.789	0	%100
21	M17	X	0	0	0	%100
22	M17	Z	0	0	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	0	0	0	%100
25	M22	X	1.609	1.609	0	%100
26	M22	Z	-.929	-.929	0	%100
27	M23	X	1.609	1.609	0	%100
28	M23	Z	-.929	-.929	0	%100
29	M26	X	1.208	1.208	0	%100
30	M26	Z	-.697	-.697	0	%100
31	M27	X	2.669	2.669	0	%100
32	M27	Z	-1.541	-1.541	0	%100
33	M28	X	2.418	2.418	0	%100
34	M28	Z	-1.396	-1.396	0	%100
35	M32A	X	2.393	2.393	0	%100
36	M32A	Z	-1.382	-1.382	0	%100
37	M33A	X	.078	.078	0	%100
38	M33A	Z	-.045	-.045	0	%100
39	M36	X	3.472	3.472	0	%100
40	M36	Z	-2.004	-2.004	0	%100
41	M37	X	3.472	3.472	0	%100
42	M37	Z	-2.004	-2.004	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,%]
43	M38	X	3.416	3.416	0	%100
44	M38	Z	-1.972	-1.972	0	%100
45	M39A	X	.868	.868	0	%100
46	M39A	Z	-.501	-.501	0	%100
47	M40A	X	.868	.868	0	%100
48	M40A	Z	-.501	-.501	0	%100
49	M41	X	.854	.854	0	%100
50	M41	Z	-.493	-.493	0	%100
51	MP2A	X	3.77	3.77	0	%100
52	MP2A	Z	-2.177	-2.177	0	%100
53	MP3A	X	3.469	3.469	0	%100
54	MP3A	Z	-2.003	-2.003	0	%100
55	MP4A	X	3.469	3.469	0	%100
56	MP4A	Z	-2.003	-2.003	0	%100
57	MP5A	X	3.469	3.469	0	%100
58	MP5A	Z	-2.003	-2.003	0	%100
59	MP1C	X	3.469	3.469	0	%100
60	MP1C	Z	-2.003	-2.003	0	%100
61	MP1B	X	3.469	3.469	0	%100
62	MP1B	Z	-2.003	-2.003	0	%100
63	MP2B	X	3.77	3.77	0	%100
64	MP2B	Z	-2.177	-2.177	0	%100
65	MP3B	X	3.469	3.469	0	%100
66	MP3B	Z	-2.003	-2.003	0	%100
67	MP4B	X	3.469	3.469	0	%100
68	MP4B	Z	-2.003	-2.003	0	%100
69	MP5B	X	3.469	3.469	0	%100
70	MP5B	Z	-2.003	-2.003	0	%100
71	MP2C	X	3.77	3.77	0	%100
72	MP2C	Z	-2.177	-2.177	0	%100
73	MP3C	X	3.469	3.469	0	%100
74	MP3C	Z	-2.003	-2.003	0	%100
75	MP4C	X	3.469	3.469	0	%100
76	MP4C	Z	-2.003	-2.003	0	%100
77	MP5C	X	3.469	3.469	0	%100
78	MP5C	Z	-2.003	-2.003	0	%100
79	OVP	X	2.806	2.806	0	%100
80	OVP	Z	-1.62	-1.62	0	%100
81	M71	X	.945	.945	0	%100
82	M71	Z	-.546	-.546	0	%100
83	M74	X	.945	.945	0	%100
84	M74	Z	-.546	-.546	0	%100
85	M77	X	3.716	3.716	0	%100
86	M77	Z	-2.146	-2.146	0	%100
87	M89	X	3.781	3.781	0	%100
88	M89	Z	-2.183	-2.183	0	%100
89	M90	X	.929	.929	0	%100
90	M90	Z	-.536	-.536	0	%100
91	M91	X	.929	.929	0	%100
92	M91	Z	-.536	-.536	0	%100
93	M93A	X	4.196	4.196	0	%100
94	M93A	Z	-2.422	-2.422	0	%100
95	M94	X	1.935	1.935	0	%100
96	M94	Z	-1.117	-1.117	0	%100
97	M95	X	4.196	4.196	0	%100
98	M95	Z	-2.422	-2.422	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	M39	X	0	0	0	%100
2	M39	Z	0	0	0	%100
3	M40	X	4.109	4.109	0	%100
4	M40	Z	0	0	0	%100
5	M43	X	3.723	3.723	0	%100
6	M43	Z	0	0	0	%100
7	MP1A	X	4.005	4.005	0	%100
8	MP1A	Z	0	0	0	%100
9	M112A	X	1.283	1.283	0	%100
10	M112A	Z	0	0	0	%100
11	M113A	X	1.283	1.283	0	%100
12	M113A	Z	0	0	0	%100
13	M32	X	0	0	0	%100
14	M32	Z	0	0	0	%100
15	M33	X	0	0	0	%100
16	M33	Z	0	0	0	%100
17	M34	X	0	0	0	%100
18	M34	Z	0	0	0	%100
19	M16	X	4.183	4.183	0	%100
20	M16	Z	0	0	0	%100
21	M17	X	1.027	1.027	0	%100
22	M17	Z	0	0	0	%100
23	M18	X	.931	.931	0	%100
24	M18	Z	0	0	0	%100
25	M22	X	.377	.377	0	%100
26	M22	Z	0	0	0	%100
27	M23	X	3.051	3.051	0	%100
28	M23	Z	0	0	0	%100
29	M26	X	4.183	4.183	0	%100
30	M26	Z	0	0	0	%100
31	M27	X	1.027	1.027	0	%100
32	M27	Z	0	0	0	%100
33	M28	X	.931	.931	0	%100
34	M28	Z	0	0	0	%100
35	M32A	X	3.051	3.051	0	%100
36	M32A	Z	0	0	0	%100
37	M33A	X	.377	.377	0	%100
38	M33A	Z	0	0	0	%100
39	M36	X	3.006	3.006	0	%100
40	M36	Z	0	0	0	%100
41	M37	X	3.006	3.006	0	%100
42	M37	Z	0	0	0	%100
43	M38	X	2.958	2.958	0	%100
44	M38	Z	0	0	0	%100
45	M39A	X	3.006	3.006	0	%100
46	M39A	Z	0	0	0	%100
47	M40A	X	3.006	3.006	0	%100
48	M40A	Z	0	0	0	%100
49	M41	X	2.958	2.958	0	%100
50	M41	Z	0	0	0	%100
51	MP2A	X	4.353	4.353	0	%100
52	MP2A	Z	0	0	0	%100
53	MP3A	X	4.005	4.005	0	%100
54	MP3A	Z	0	0	0	%100
55	MP4A	X	4.005	4.005	0	%100
56	MP4A	Z	0	0	0	%100
57	MP5A	X	4.005	4.005	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,%]
58	MP5A	Z	0	0	0	%100
59	MP1C	X	4.005	4.005	0	%100
60	MP1C	Z	0	0	0	%100
61	MP1B	X	4.005	4.005	0	%100
62	MP1B	Z	0	0	0	%100
63	MP2B	X	4.353	4.353	0	%100
64	MP2B	Z	0	0	0	%100
65	MP3B	X	4.005	4.005	0	%100
66	MP3B	Z	0	0	0	%100
67	MP4B	X	4.005	4.005	0	%100
68	MP4B	Z	0	0	0	%100
69	MP5B	X	4.005	4.005	0	%100
70	MP5B	Z	0	0	0	%100
71	MP2C	X	4.353	4.353	0	%100
72	MP2C	Z	0	0	0	%100
73	MP3C	X	4.005	4.005	0	%100
74	MP3C	Z	0	0	0	%100
75	MP4C	X	4.005	4.005	0	%100
76	MP4C	Z	0	0	0	%100
77	MP5C	X	4.005	4.005	0	%100
78	MP5C	Z	0	0	0	%100
79	OVP	X	3.24	3.24	0	%100
80	OVP	Z	0	0	0	%100
81	M71	X	0	0	0	%100
82	M71	Z	0	0	0	%100
83	M74	X	3.274	3.274	0	%100
84	M74	Z	0	0	0	%100
85	M77	X	3.218	3.218	0	%100
86	M77	Z	0	0	0	%100
87	M89	X	3.274	3.274	0	%100
88	M89	Z	0	0	0	%100
89	M90	X	3.218	3.218	0	%100
90	M90	Z	0	0	0	%100
91	M91	X	0	0	0	%100
92	M91	Z	0	0	0	%100
93	M93A	X	5.715	5.715	0	%100
94	M93A	Z	0	0	0	%100
95	M94	X	3.105	3.105	0	%100
96	M94	Z	0	0	0	%100
97	M95	X	3.105	3.105	0	%100
98	M95	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	M39	X	1.208	1.208	0	%100
2	M39	Z	.697	.697	0	%100
3	M40	X	2.669	2.669	0	%100
4	M40	Z	1.541	1.541	0	%100
5	M43	X	2.418	2.418	0	%100
6	M43	Z	1.396	1.396	0	%100
7	MP1A	X	3.469	3.469	0	%100
8	MP1A	Z	2.003	2.003	0	%100
9	M112A	X	2.393	2.393	0	%100
10	M112A	Z	1.382	1.382	0	%100
11	M113A	X	.078	.078	0	%100
12	M113A	Z	.045	.045	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,%]
13	M32	X	.868	.868	0	%100
14	M32	Z	.501	.501	0	%100
15	M33	X	.868	.868	0	%100
16	M33	Z	.501	.501	0	%100
17	M34	X	.854	.854	0	%100
18	M34	Z	.493	.493	0	%100
19	M16	X	1.208	1.208	0	%100
20	M16	Z	.697	.697	0	%100
21	M17	X	2.669	2.669	0	%100
22	M17	Z	1.541	1.541	0	%100
23	M18	X	2.418	2.418	0	%100
24	M18	Z	1.396	1.396	0	%100
25	M22	X	.078	.078	0	%100
26	M22	Z	.045	.045	0	%100
27	M23	X	2.393	2.393	0	%100
28	M23	Z	1.382	1.382	0	%100
29	M26	X	4.83	4.83	0	%100
30	M26	Z	2.789	2.789	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	0	0	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	0	0	0	%100
35	M32A	X	1.609	1.609	0	%100
36	M32A	Z	.929	.929	0	%100
37	M33A	X	1.609	1.609	0	%100
38	M33A	Z	.929	.929	0	%100
39	M36	X	.868	.868	0	%100
40	M36	Z	.501	.501	0	%100
41	M37	X	.868	.868	0	%100
42	M37	Z	.501	.501	0	%100
43	M38	X	.854	.854	0	%100
44	M38	Z	.493	.493	0	%100
45	M39A	X	3.472	3.472	0	%100
46	M39A	Z	2.004	2.004	0	%100
47	M40A	X	3.472	3.472	0	%100
48	M40A	Z	2.004	2.004	0	%100
49	M41	X	3.416	3.416	0	%100
50	M41	Z	1.972	1.972	0	%100
51	MP2A	X	3.77	3.77	0	%100
52	MP2A	Z	2.177	2.177	0	%100
53	MP3A	X	3.469	3.469	0	%100
54	MP3A	Z	2.003	2.003	0	%100
55	MP4A	X	3.469	3.469	0	%100
56	MP4A	Z	2.003	2.003	0	%100
57	MP5A	X	3.469	3.469	0	%100
58	MP5A	Z	2.003	2.003	0	%100
59	MP1C	X	3.469	3.469	0	%100
60	MP1C	Z	2.003	2.003	0	%100
61	MP1B	X	3.469	3.469	0	%100
62	MP1B	Z	2.003	2.003	0	%100
63	MP2B	X	3.77	3.77	0	%100
64	MP2B	Z	2.177	2.177	0	%100
65	MP3B	X	3.469	3.469	0	%100
66	MP3B	Z	2.003	2.003	0	%100
67	MP4B	X	3.469	3.469	0	%100
68	MP4B	Z	2.003	2.003	0	%100
69	MP5B	X	3.469	3.469	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,%]
70	MP5B	Z	2.003	2.003	0	%100
71	MP2C	X	3.77	3.77	0	%100
72	MP2C	Z	2.177	2.177	0	%100
73	MP3C	X	3.469	3.469	0	%100
74	MP3C	Z	2.003	2.003	0	%100
75	MP4C	X	3.469	3.469	0	%100
76	MP4C	Z	2.003	2.003	0	%100
77	MP5C	X	3.469	3.469	0	%100
78	MP5C	Z	2.003	2.003	0	%100
79	OVP	X	2.806	2.806	0	%100
80	OVP	Z	1.62	1.62	0	%100
81	M71	X	.945	.945	0	%100
82	M71	Z	.546	.546	0	%100
83	M74	X	3.781	3.781	0	%100
84	M74	Z	2.183	2.183	0	%100
85	M77	X	.929	.929	0	%100
86	M77	Z	.536	.536	0	%100
87	M89	X	.945	.945	0	%100
88	M89	Z	.546	.546	0	%100
89	M90	X	3.716	3.716	0	%100
90	M90	Z	2.146	2.146	0	%100
91	M91	X	.929	.929	0	%100
92	M91	Z	.536	.536	0	%100
93	M93A	X	4.196	4.196	0	%100
94	M93A	Z	2.422	2.422	0	%100
95	M94	X	4.196	4.196	0	%100
96	M94	Z	2.422	2.422	0	%100
97	M95	X	1.935	1.935	0	%100
98	M95	Z	1.117	1.117	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	M39	X	2.092	2.092	0	%100
2	M39	Z	3.623	3.623	0	%100
3	M40	X	.514	.514	0	%100
4	M40	Z	.89	.89	0	%100
5	M43	X	.465	.465	0	%100
6	M43	Z	.806	.806	0	%100
7	MP1A	X	2.003	2.003	0	%100
8	MP1A	Z	3.469	3.469	0	%100
9	M112A	X	1.525	1.525	0	%100
10	M112A	Z	2.642	2.642	0	%100
11	M113A	X	.188	.188	0	%100
12	M113A	Z	.326	.326	0	%100
13	M32	X	1.503	1.503	0	%100
14	M32	Z	2.604	2.604	0	%100
15	M33	X	1.503	1.503	0	%100
16	M33	Z	2.604	2.604	0	%100
17	M34	X	1.479	1.479	0	%100
18	M34	Z	2.562	2.562	0	%100
19	M16	X	0	0	0	%100
20	M16	Z	0	0	0	%100
21	M17	X	2.055	2.055	0	%100
22	M17	Z	3.559	3.559	0	%100
23	M18	X	1.861	1.861	0	%100
24	M18	Z	3.224	3.224	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,%]
25	M22	X	.641	.641	0	%100
26	M22	Z	1.111	1.111	0	%100
27	M23	X	.641	.641	0	%100
28	M23	Z	1.111	1.111	0	%100
29	M26	X	2.092	2.092	0	%100
30	M26	Z	3.623	3.623	0	%100
31	M27	X	.514	.514	0	%100
32	M27	Z	.89	.89	0	%100
33	M28	X	.465	.465	0	%100
34	M28	Z	.806	.806	0	%100
35	M32A	X	.188	.188	0	%100
36	M32A	Z	.326	.326	0	%100
37	M33A	X	1.525	1.525	0	%100
38	M33A	Z	2.642	2.642	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	0	0	0	%100
41	M37	X	0	0	0	%100
42	M37	Z	0	0	0	%100
43	M38	X	0	0	0	%100
44	M38	Z	0	0	0	%100
45	M39A	X	1.503	1.503	0	%100
46	M39A	Z	2.604	2.604	0	%100
47	M40A	X	1.503	1.503	0	%100
48	M40A	Z	2.604	2.604	0	%100
49	M41	X	1.479	1.479	0	%100
50	M41	Z	2.562	2.562	0	%100
51	MP2A	X	2.177	2.177	0	%100
52	MP2A	Z	3.77	3.77	0	%100
53	MP3A	X	2.003	2.003	0	%100
54	MP3A	Z	3.469	3.469	0	%100
55	MP4A	X	2.003	2.003	0	%100
56	MP4A	Z	3.469	3.469	0	%100
57	MP5A	X	2.003	2.003	0	%100
58	MP5A	Z	3.469	3.469	0	%100
59	MP1C	X	2.003	2.003	0	%100
60	MP1C	Z	3.469	3.469	0	%100
61	MP1B	X	2.003	2.003	0	%100
62	MP1B	Z	3.469	3.469	0	%100
63	MP2B	X	2.177	2.177	0	%100
64	MP2B	Z	3.77	3.77	0	%100
65	MP3B	X	2.003	2.003	0	%100
66	MP3B	Z	3.469	3.469	0	%100
67	MP4B	X	2.003	2.003	0	%100
68	MP4B	Z	3.469	3.469	0	%100
69	MP5B	X	2.003	2.003	0	%100
70	MP5B	Z	3.469	3.469	0	%100
71	MP2C	X	2.177	2.177	0	%100
72	MP2C	Z	3.77	3.77	0	%100
73	MP3C	X	2.003	2.003	0	%100
74	MP3C	Z	3.469	3.469	0	%100
75	MP4C	X	2.003	2.003	0	%100
76	MP4C	Z	3.469	3.469	0	%100
77	MP5C	X	2.003	2.003	0	%100
78	MP5C	Z	3.469	3.469	0	%100
79	OVP	X	1.62	1.62	0	%100
80	OVP	Z	2.806	2.806	0	%100
81	M71	X	1.637	1.637	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,%]
82	M71	Z	2.835	2.835	0	%100
83	M74	X	1.637	1.637	0	%100
84	M74	Z	2.835	2.835	0	%100
85	M77	X	0	0	0	%100
86	M77	Z	0	0	0	%100
87	M89	X	0	0	0	%100
88	M89	Z	0	0	0	%100
89	M90	X	1.609	1.609	0	%100
90	M90	Z	2.787	2.787	0	%100
91	M91	X	1.609	1.609	0	%100
92	M91	Z	2.787	2.787	0	%100
93	M93A	X	1.552	1.552	0	%100
94	M93A	Z	2.689	2.689	0	%100
95	M94	X	2.857	2.857	0	%100
96	M94	Z	4.949	4.949	0	%100
97	M95	X	1.552	1.552	0	%100
98	M95	Z	2.689	2.689	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	M39	X	0	0	0	%100
2	M39	Z	5.578	5.578	0	%100
3	M40	X	0	0	0	%100
4	M40	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	4.005	4.005	0	%100
9	M112A	X	0	0	0	%100
10	M112A	Z	1.857	1.857	0	%100
11	M113A	X	0	0	0	%100
12	M113A	Z	1.857	1.857	0	%100
13	M32	X	0	0	0	%100
14	M32	Z	4.009	4.009	0	%100
15	M33	X	0	0	0	%100
16	M33	Z	4.009	4.009	0	%100
17	M34	X	0	0	0	%100
18	M34	Z	3.944	3.944	0	%100
19	M16	X	0	0	0	%100
20	M16	Z	1.394	1.394	0	%100
21	M17	X	0	0	0	%100
22	M17	Z	3.082	3.082	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	2.792	2.792	0	%100
25	M22	X	0	0	0	%100
26	M22	Z	2.763	2.763	0	%100
27	M23	X	0	0	0	%100
28	M23	Z	.09	.09	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	1.394	1.394	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	3.082	3.082	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	2.792	2.792	0	%100
35	M32A	X	0	0	0	%100
36	M32A	Z	.09	.09	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,%]
37	M33A	X	0	0	0	%100
38	M33A	Z	2.763	2.763	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	1.002	1.002	0	%100
41	M37	X	0	0	0	%100
42	M37	Z	1.002	1.002	0	%100
43	M38	X	0	0	0	%100
44	M38	Z	.986	.986	0	%100
45	M39A	X	0	0	0	%100
46	M39A	Z	1.002	1.002	0	%100
47	M40A	X	0	0	0	%100
48	M40A	Z	1.002	1.002	0	%100
49	M41	X	0	0	0	%100
50	M41	Z	.986	.986	0	%100
51	MP2A	X	0	0	0	%100
52	MP2A	Z	4.353	4.353	0	%100
53	MP3A	X	0	0	0	%100
54	MP3A	Z	4.005	4.005	0	%100
55	MP4A	X	0	0	0	%100
56	MP4A	Z	4.005	4.005	0	%100
57	MP5A	X	0	0	0	%100
58	MP5A	Z	4.005	4.005	0	%100
59	MP1C	X	0	0	0	%100
60	MP1C	Z	4.005	4.005	0	%100
61	MP1B	X	0	0	0	%100
62	MP1B	Z	4.005	4.005	0	%100
63	MP2B	X	0	0	0	%100
64	MP2B	Z	4.353	4.353	0	%100
65	MP3B	X	0	0	0	%100
66	MP3B	Z	4.005	4.005	0	%100
67	MP4B	X	0	0	0	%100
68	MP4B	Z	4.005	4.005	0	%100
69	MP5B	X	0	0	0	%100
70	MP5B	Z	4.005	4.005	0	%100
71	MP2C	X	0	0	0	%100
72	MP2C	Z	4.353	4.353	0	%100
73	MP3C	X	0	0	0	%100
74	MP3C	Z	4.005	4.005	0	%100
75	MP4C	X	0	0	0	%100
76	MP4C	Z	4.005	4.005	0	%100
77	MP5C	X	0	0	0	%100
78	MP5C	Z	4.005	4.005	0	%100
79	OVP	X	0	0	0	%100
80	OVP	Z	3.24	3.24	0	%100
81	M71	X	0	0	0	%100
82	M71	Z	4.365	4.365	0	%100
83	M74	X	0	0	0	%100
84	M74	Z	1.091	1.091	0	%100
85	M77	X	0	0	0	%100
86	M77	Z	1.073	1.073	0	%100
87	M89	X	0	0	0	%100
88	M89	Z	1.091	1.091	0	%100
89	M90	X	0	0	0	%100
90	M90	Z	1.073	1.073	0	%100
91	M91	X	0	0	0	%100
92	M91	Z	4.291	4.291	0	%100
93	M93A	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,%]
94	M93A	Z	2.235	2.235	0	%100
95	M94	X	0	0	0	%100
96	M94	Z	4.845	4.845	0	%100
97	M95	X	0	0	0	%100
98	M95	Z	4.845	4.845	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	M39	X	-2.092	-2.092	0	%100
2	M39	Z	3.623	3.623	0	%100
3	M40	X	-.514	-.514	0	%100
4	M40	Z	.89	.89	0	%100
5	M43	X	-.465	-.465	0	%100
6	M43	Z	.806	.806	0	%100
7	MP1A	X	-2.003	-2.003	0	%100
8	MP1A	Z	3.469	3.469	0	%100
9	M112A	X	-.188	-.188	0	%100
10	M112A	Z	.326	.326	0	%100
11	M113A	X	-1.525	-1.525	0	%100
12	M113A	Z	2.642	2.642	0	%100
13	M32	X	-1.503	-1.503	0	%100
14	M32	Z	2.604	2.604	0	%100
15	M33	X	-1.503	-1.503	0	%100
16	M33	Z	2.604	2.604	0	%100
17	M34	X	-1.479	-1.479	0	%100
18	M34	Z	2.562	2.562	0	%100
19	M16	X	-2.092	-2.092	0	%100
20	M16	Z	3.623	3.623	0	%100
21	M17	X	-.514	-.514	0	%100
22	M17	Z	.89	.89	0	%100
23	M18	X	-.465	-.465	0	%100
24	M18	Z	.806	.806	0	%100
25	M22	X	-1.525	-1.525	0	%100
26	M22	Z	2.642	2.642	0	%100
27	M23	X	-.188	-.188	0	%100
28	M23	Z	.326	.326	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	0	0	0	%100
31	M27	X	-2.055	-2.055	0	%100
32	M27	Z	3.559	3.559	0	%100
33	M28	X	-1.861	-1.861	0	%100
34	M28	Z	3.224	3.224	0	%100
35	M32A	X	-.641	-.641	0	%100
36	M32A	Z	1.111	1.111	0	%100
37	M33A	X	-.641	-.641	0	%100
38	M33A	Z	1.111	1.111	0	%100
39	M36	X	-1.503	-1.503	0	%100
40	M36	Z	2.604	2.604	0	%100
41	M37	X	-1.503	-1.503	0	%100
42	M37	Z	2.604	2.604	0	%100
43	M38	X	-1.479	-1.479	0	%100
44	M38	Z	2.562	2.562	0	%100
45	M39A	X	0	0	0	%100
46	M39A	Z	0	0	0	%100
47	M40A	X	0	0	0	%100
48	M40A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
49	M41	X	0	0	0	%100
50	M41	Z	0	0	0	%100
51	MP2A	X	-2.177	-2.177	0	%100
52	MP2A	Z	3.77	3.77	0	%100
53	MP3A	X	-2.003	-2.003	0	%100
54	MP3A	Z	3.469	3.469	0	%100
55	MP4A	X	-2.003	-2.003	0	%100
56	MP4A	Z	3.469	3.469	0	%100
57	MP5A	X	-2.003	-2.003	0	%100
58	MP5A	Z	3.469	3.469	0	%100
59	MP1C	X	-2.003	-2.003	0	%100
60	MP1C	Z	3.469	3.469	0	%100
61	MP1B	X	-2.003	-2.003	0	%100
62	MP1B	Z	3.469	3.469	0	%100
63	MP2B	X	-2.177	-2.177	0	%100
64	MP2B	Z	3.77	3.77	0	%100
65	MP3B	X	-2.003	-2.003	0	%100
66	MP3B	Z	3.469	3.469	0	%100
67	MP4B	X	-2.003	-2.003	0	%100
68	MP4B	Z	3.469	3.469	0	%100
69	MP5B	X	-2.003	-2.003	0	%100
70	MP5B	Z	3.469	3.469	0	%100
71	MP2C	X	-2.177	-2.177	0	%100
72	MP2C	Z	3.77	3.77	0	%100
73	MP3C	X	-2.003	-2.003	0	%100
74	MP3C	Z	3.469	3.469	0	%100
75	MP4C	X	-2.003	-2.003	0	%100
76	MP4C	Z	3.469	3.469	0	%100
77	MP5C	X	-2.003	-2.003	0	%100
78	MP5C	Z	3.469	3.469	0	%100
79	OVP	X	-1.62	-1.62	0	%100
80	OVP	Z	2.806	2.806	0	%100
81	M71	X	-1.637	-1.637	0	%100
82	M71	Z	2.835	2.835	0	%100
83	M74	X	0	0	0	%100
84	M74	Z	0	0	0	%100
85	M77	X	-1.609	-1.609	0	%100
86	M77	Z	2.787	2.787	0	%100
87	M89	X	-1.637	-1.637	0	%100
88	M89	Z	2.835	2.835	0	%100
89	M90	X	0	0	0	%100
90	M90	Z	0	0	0	%100
91	M91	X	-1.609	-1.609	0	%100
92	M91	Z	2.787	2.787	0	%100
93	M93A	X	-1.552	-1.552	0	%100
94	M93A	Z	2.689	2.689	0	%100
95	M94	X	-1.552	-1.552	0	%100
96	M94	Z	2.689	2.689	0	%100
97	M95	X	-2.857	-2.857	0	%100
98	M95	Z	4.949	4.949	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	M39	X	-1.208	-1.208	0	%100
2	M39	Z	.697	.697	0	%100
3	M40	X	-2.669	-2.669	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,%]
4	M40	Z	1.541	1.541	0	%100
5	M43	X	-2.418	-2.418	0	%100
6	M43	Z	1.396	1.396	0	%100
7	MP1A	X	-3.469	-3.469	0	%100
8	MP1A	Z	2.003	2.003	0	%100
9	M112A	X	-.078	-.078	0	%100
10	M112A	Z	.045	.045	0	%100
11	M113A	X	-2.393	-2.393	0	%100
12	M113A	Z	1.382	1.382	0	%100
13	M32	X	-.868	-.868	0	%100
14	M32	Z	.501	.501	0	%100
15	M33	X	-.868	-.868	0	%100
16	M33	Z	.501	.501	0	%100
17	M34	X	-.854	-.854	0	%100
18	M34	Z	.493	.493	0	%100
19	M16	X	-4.83	-4.83	0	%100
20	M16	Z	2.789	2.789	0	%100
21	M17	X	0	0	0	%100
22	M17	Z	0	0	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	0	0	0	%100
25	M22	X	-1.609	-1.609	0	%100
26	M22	Z	.929	.929	0	%100
27	M23	X	-1.609	-1.609	0	%100
28	M23	Z	.929	.929	0	%100
29	M26	X	-1.208	-1.208	0	%100
30	M26	Z	.697	.697	0	%100
31	M27	X	-2.669	-2.669	0	%100
32	M27	Z	1.541	1.541	0	%100
33	M28	X	-2.418	-2.418	0	%100
34	M28	Z	1.396	1.396	0	%100
35	M32A	X	-2.393	-2.393	0	%100
36	M32A	Z	1.382	1.382	0	%100
37	M33A	X	-.078	-.078	0	%100
38	M33A	Z	.045	.045	0	%100
39	M36	X	-3.472	-3.472	0	%100
40	M36	Z	2.004	2.004	0	%100
41	M37	X	-3.472	-3.472	0	%100
42	M37	Z	2.004	2.004	0	%100
43	M38	X	-3.416	-3.416	0	%100
44	M38	Z	1.972	1.972	0	%100
45	M39A	X	-.868	-.868	0	%100
46	M39A	Z	.501	.501	0	%100
47	M40A	X	-.868	-.868	0	%100
48	M40A	Z	.501	.501	0	%100
49	M41	X	-.854	-.854	0	%100
50	M41	Z	.493	.493	0	%100
51	MP2A	X	-3.77	-3.77	0	%100
52	MP2A	Z	2.177	2.177	0	%100
53	MP3A	X	-3.469	-3.469	0	%100
54	MP3A	Z	2.003	2.003	0	%100
55	MP4A	X	-3.469	-3.469	0	%100
56	MP4A	Z	2.003	2.003	0	%100
57	MP5A	X	-3.469	-3.469	0	%100
58	MP5A	Z	2.003	2.003	0	%100
59	MP1C	X	-3.469	-3.469	0	%100
60	MP1C	Z	2.003	2.003	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,%]
61	MP1B	X	-3.469	-3.469	0	%100
62	MP1B	Z	2.003	2.003	0	%100
63	MP2B	X	-3.77	-3.77	0	%100
64	MP2B	Z	2.177	2.177	0	%100
65	MP3B	X	-3.469	-3.469	0	%100
66	MP3B	Z	2.003	2.003	0	%100
67	MP4B	X	-3.469	-3.469	0	%100
68	MP4B	Z	2.003	2.003	0	%100
69	MP5B	X	-3.469	-3.469	0	%100
70	MP5B	Z	2.003	2.003	0	%100
71	MP2C	X	-3.77	-3.77	0	%100
72	MP2C	Z	2.177	2.177	0	%100
73	MP3C	X	-3.469	-3.469	0	%100
74	MP3C	Z	2.003	2.003	0	%100
75	MP4C	X	-3.469	-3.469	0	%100
76	MP4C	Z	2.003	2.003	0	%100
77	MP5C	X	-3.469	-3.469	0	%100
78	MP5C	Z	2.003	2.003	0	%100
79	OVP	X	-2.806	-2.806	0	%100
80	OVP	Z	1.62	1.62	0	%100
81	M71	X	-.945	-.945	0	%100
82	M71	Z	.546	.546	0	%100
83	M74	X	-.945	-.945	0	%100
84	M74	Z	.546	.546	0	%100
85	M77	X	-3.716	-3.716	0	%100
86	M77	Z	2.146	2.146	0	%100
87	M89	X	-3.781	-3.781	0	%100
88	M89	Z	2.183	2.183	0	%100
89	M90	X	-.929	-.929	0	%100
90	M90	Z	.536	.536	0	%100
91	M91	X	-.929	-.929	0	%100
92	M91	Z	.536	.536	0	%100
93	M93A	X	-4.196	-4.196	0	%100
94	M93A	Z	2.422	2.422	0	%100
95	M94	X	-1.935	-1.935	0	%100
96	M94	Z	1.117	1.117	0	%100
97	M95	X	-4.196	-4.196	0	%100
98	M95	Z	2.422	2.422	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	M39	X	0	0	0	%100
2	M39	Z	0	0	0	%100
3	M40	X	-4.109	-4.109	0	%100
4	M40	Z	0	0	0	%100
5	M43	X	-3.723	-3.723	0	%100
6	M43	Z	0	0	0	%100
7	MP1A	X	-4.005	-4.005	0	%100
8	MP1A	Z	0	0	0	%100
9	M112A	X	-1.283	-1.283	0	%100
10	M112A	Z	0	0	0	%100
11	M113A	X	-1.283	-1.283	0	%100
12	M113A	Z	0	0	0	%100
13	M32	X	0	0	0	%100
14	M32	Z	0	0	0	%100
15	M33	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
16	M33	Z	0	0	0	%100
17	M34	X	0	0	0	%100
18	M34	Z	0	0	0	%100
19	M16	X	-4.183	-4.183	0	%100
20	M16	Z	0	0	0	%100
21	M17	X	-1.027	-1.027	0	%100
22	M17	Z	0	0	0	%100
23	M18	X	-.931	-.931	0	%100
24	M18	Z	0	0	0	%100
25	M22	X	-.377	-.377	0	%100
26	M22	Z	0	0	0	%100
27	M23	X	-3.051	-3.051	0	%100
28	M23	Z	0	0	0	%100
29	M26	X	-4.183	-4.183	0	%100
30	M26	Z	0	0	0	%100
31	M27	X	-1.027	-1.027	0	%100
32	M27	Z	0	0	0	%100
33	M28	X	-.931	-.931	0	%100
34	M28	Z	0	0	0	%100
35	M32A	X	-3.051	-3.051	0	%100
36	M32A	Z	0	0	0	%100
37	M33A	X	-.377	-.377	0	%100
38	M33A	Z	0	0	0	%100
39	M36	X	-3.006	-3.006	0	%100
40	M36	Z	0	0	0	%100
41	M37	X	-3.006	-3.006	0	%100
42	M37	Z	0	0	0	%100
43	M38	X	-2.958	-2.958	0	%100
44	M38	Z	0	0	0	%100
45	M39A	X	-3.006	-3.006	0	%100
46	M39A	Z	0	0	0	%100
47	M40A	X	-3.006	-3.006	0	%100
48	M40A	Z	0	0	0	%100
49	M41	X	-2.958	-2.958	0	%100
50	M41	Z	0	0	0	%100
51	MP2A	X	-4.353	-4.353	0	%100
52	MP2A	Z	0	0	0	%100
53	MP3A	X	-4.005	-4.005	0	%100
54	MP3A	Z	0	0	0	%100
55	MP4A	X	-4.005	-4.005	0	%100
56	MP4A	Z	0	0	0	%100
57	MP5A	X	-4.005	-4.005	0	%100
58	MP5A	Z	0	0	0	%100
59	MP1C	X	-4.005	-4.005	0	%100
60	MP1C	Z	0	0	0	%100
61	MP1B	X	-4.005	-4.005	0	%100
62	MP1B	Z	0	0	0	%100
63	MP2B	X	-4.353	-4.353	0	%100
64	MP2B	Z	0	0	0	%100
65	MP3B	X	-4.005	-4.005	0	%100
66	MP3B	Z	0	0	0	%100
67	MP4B	X	-4.005	-4.005	0	%100
68	MP4B	Z	0	0	0	%100
69	MP5B	X	-4.005	-4.005	0	%100
70	MP5B	Z	0	0	0	%100
71	MP2C	X	-4.353	-4.353	0	%100
72	MP2C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
73	MP3C	X	-4.005	-4.005	0	%100
74	MP3C	Z	0	0	0	%100
75	MP4C	X	-4.005	-4.005	0	%100
76	MP4C	Z	0	0	0	%100
77	MP5C	X	-4.005	-4.005	0	%100
78	MP5C	Z	0	0	0	%100
79	OVP	X	-3.24	-3.24	0	%100
80	OVP	Z	0	0	0	%100
81	M71	X	0	0	0	%100
82	M71	Z	0	0	0	%100
83	M74	X	-3.274	-3.274	0	%100
84	M74	Z	0	0	0	%100
85	M77	X	-3.218	-3.218	0	%100
86	M77	Z	0	0	0	%100
87	M89	X	-3.274	-3.274	0	%100
88	M89	Z	0	0	0	%100
89	M90	X	-3.218	-3.218	0	%100
90	M90	Z	0	0	0	%100
91	M91	X	0	0	0	%100
92	M91	Z	0	0	0	%100
93	M93A	X	-5.715	-5.715	0	%100
94	M93A	Z	0	0	0	%100
95	M94	X	-3.105	-3.105	0	%100
96	M94	Z	0	0	0	%100
97	M95	X	-3.105	-3.105	0	%100
98	M95	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	M39	X	-1.208	-1.208	0	%100
2	M39	Z	-.697	-.697	0	%100
3	M40	X	-2.669	-2.669	0	%100
4	M40	Z	-1.541	-1.541	0	%100
5	M43	X	-2.418	-2.418	0	%100
6	M43	Z	-1.396	-1.396	0	%100
7	MP1A	X	-3.469	-3.469	0	%100
8	MP1A	Z	-2.003	-2.003	0	%100
9	M112A	X	-2.393	-2.393	0	%100
10	M112A	Z	-1.382	-1.382	0	%100
11	M113A	X	-.078	-.078	0	%100
12	M113A	Z	-.045	-.045	0	%100
13	M32	X	-.868	-.868	0	%100
14	M32	Z	-.501	-.501	0	%100
15	M33	X	-.868	-.868	0	%100
16	M33	Z	-.501	-.501	0	%100
17	M34	X	-.854	-.854	0	%100
18	M34	Z	-.493	-.493	0	%100
19	M16	X	-1.208	-1.208	0	%100
20	M16	Z	-.697	-.697	0	%100
21	M17	X	-2.669	-2.669	0	%100
22	M17	Z	-1.541	-1.541	0	%100
23	M18	X	-2.418	-2.418	0	%100
24	M18	Z	-1.396	-1.396	0	%100
25	M22	X	-.078	-.078	0	%100
26	M22	Z	-.045	-.045	0	%100
27	M23	X	-2.393	-2.393	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,%]
28	M23	Z	-1.382	-1.382	0	%100
29	M26	X	-4.83	-4.83	0	%100
30	M26	Z	-2.789	-2.789	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	0	0	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	0	0	0	%100
35	M32A	X	-1.609	-1.609	0	%100
36	M32A	Z	-.929	-.929	0	%100
37	M33A	X	-1.609	-1.609	0	%100
38	M33A	Z	-.929	-.929	0	%100
39	M36	X	-.868	-.868	0	%100
40	M36	Z	-.501	-.501	0	%100
41	M37	X	-.868	-.868	0	%100
42	M37	Z	-.501	-.501	0	%100
43	M38	X	-.854	-.854	0	%100
44	M38	Z	-.493	-.493	0	%100
45	M39A	X	-3.472	-3.472	0	%100
46	M39A	Z	-2.004	-2.004	0	%100
47	M40A	X	-3.472	-3.472	0	%100
48	M40A	Z	-2.004	-2.004	0	%100
49	M41	X	-3.416	-3.416	0	%100
50	M41	Z	-1.972	-1.972	0	%100
51	MP2A	X	-3.77	-3.77	0	%100
52	MP2A	Z	-2.177	-2.177	0	%100
53	MP3A	X	-3.469	-3.469	0	%100
54	MP3A	Z	-2.003	-2.003	0	%100
55	MP4A	X	-3.469	-3.469	0	%100
56	MP4A	Z	-2.003	-2.003	0	%100
57	MP5A	X	-3.469	-3.469	0	%100
58	MP5A	Z	-2.003	-2.003	0	%100
59	MP1C	X	-3.469	-3.469	0	%100
60	MP1C	Z	-2.003	-2.003	0	%100
61	MP1B	X	-3.469	-3.469	0	%100
62	MP1B	Z	-2.003	-2.003	0	%100
63	MP2B	X	-3.77	-3.77	0	%100
64	MP2B	Z	-2.177	-2.177	0	%100
65	MP3B	X	-3.469	-3.469	0	%100
66	MP3B	Z	-2.003	-2.003	0	%100
67	MP4B	X	-3.469	-3.469	0	%100
68	MP4B	Z	-2.003	-2.003	0	%100
69	MP5B	X	-3.469	-3.469	0	%100
70	MP5B	Z	-2.003	-2.003	0	%100
71	MP2C	X	-3.77	-3.77	0	%100
72	MP2C	Z	-2.177	-2.177	0	%100
73	MP3C	X	-3.469	-3.469	0	%100
74	MP3C	Z	-2.003	-2.003	0	%100
75	MP4C	X	-3.469	-3.469	0	%100
76	MP4C	Z	-2.003	-2.003	0	%100
77	MP5C	X	-3.469	-3.469	0	%100
78	MP5C	Z	-2.003	-2.003	0	%100
79	OVP	X	-2.806	-2.806	0	%100
80	OVP	Z	-1.62	-1.62	0	%100
81	M71	X	-.945	-.945	0	%100
82	M71	Z	-.546	-.546	0	%100
83	M74	X	-3.781	-3.781	0	%100
84	M74	Z	-2.183	-2.183	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,%]
85	M77	X	-.929	-.929	0	%100
86	M77	Z	-.536	-.536	0	%100
87	M89	X	-.945	-.945	0	%100
88	M89	Z	-.546	-.546	0	%100
89	M90	X	-3.716	-3.716	0	%100
90	M90	Z	-2.146	-2.146	0	%100
91	M91	X	-.929	-.929	0	%100
92	M91	Z	-.536	-.536	0	%100
93	M93A	X	-4.196	-4.196	0	%100
94	M93A	Z	-2.422	-2.422	0	%100
95	M94	X	-4.196	-4.196	0	%100
96	M94	Z	-2.422	-2.422	0	%100
97	M95	X	-1.935	-1.935	0	%100
98	M95	Z	-1.117	-1.117	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	M39	X	-2.092	-2.092	0	%100
2	M39	Z	-3.623	-3.623	0	%100
3	M40	X	-.514	-.514	0	%100
4	M40	Z	-.89	-.89	0	%100
5	M43	X	-.465	-.465	0	%100
6	M43	Z	-.806	-.806	0	%100
7	MP1A	X	-2.003	-2.003	0	%100
8	MP1A	Z	-3.469	-3.469	0	%100
9	M112A	X	-1.525	-1.525	0	%100
10	M112A	Z	-2.642	-2.642	0	%100
11	M113A	X	-.188	-.188	0	%100
12	M113A	Z	-.326	-.326	0	%100
13	M32	X	-1.503	-1.503	0	%100
14	M32	Z	-2.604	-2.604	0	%100
15	M33	X	-1.503	-1.503	0	%100
16	M33	Z	-2.604	-2.604	0	%100
17	M34	X	-1.479	-1.479	0	%100
18	M34	Z	-2.562	-2.562	0	%100
19	M16	X	0	0	0	%100
20	M16	Z	0	0	0	%100
21	M17	X	-2.055	-2.055	0	%100
22	M17	Z	-3.559	-3.559	0	%100
23	M18	X	-1.861	-1.861	0	%100
24	M18	Z	-3.224	-3.224	0	%100
25	M22	X	-.641	-.641	0	%100
26	M22	Z	-1.111	-1.111	0	%100
27	M23	X	-.641	-.641	0	%100
28	M23	Z	-1.111	-1.111	0	%100
29	M26	X	-2.092	-2.092	0	%100
30	M26	Z	-3.623	-3.623	0	%100
31	M27	X	-.514	-.514	0	%100
32	M27	Z	-.89	-.89	0	%100
33	M28	X	-.465	-.465	0	%100
34	M28	Z	-.806	-.806	0	%100
35	M32A	X	-.188	-.188	0	%100
36	M32A	Z	-.326	-.326	0	%100
37	M33A	X	-1.525	-1.525	0	%100
38	M33A	Z	-2.642	-2.642	0	%100
39	M36	X	0	0	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,%]
40	M36	Z	0	0	0	%100
41	M37	X	0	0	0	%100
42	M37	Z	0	0	0	%100
43	M38	X	0	0	0	%100
44	M38	Z	0	0	0	%100
45	M39A	X	-1.503	-1.503	0	%100
46	M39A	Z	-2.604	-2.604	0	%100
47	M40A	X	-1.503	-1.503	0	%100
48	M40A	Z	-2.604	-2.604	0	%100
49	M41	X	-1.479	-1.479	0	%100
50	M41	Z	-2.562	-2.562	0	%100
51	MP2A	X	-2.177	-2.177	0	%100
52	MP2A	Z	-3.77	-3.77	0	%100
53	MP3A	X	-2.003	-2.003	0	%100
54	MP3A	Z	-3.469	-3.469	0	%100
55	MP4A	X	-2.003	-2.003	0	%100
56	MP4A	Z	-3.469	-3.469	0	%100
57	MP5A	X	-2.003	-2.003	0	%100
58	MP5A	Z	-3.469	-3.469	0	%100
59	MP1C	X	-2.003	-2.003	0	%100
60	MP1C	Z	-3.469	-3.469	0	%100
61	MP1B	X	-2.003	-2.003	0	%100
62	MP1B	Z	-3.469	-3.469	0	%100
63	MP2B	X	-2.177	-2.177	0	%100
64	MP2B	Z	-3.77	-3.77	0	%100
65	MP3B	X	-2.003	-2.003	0	%100
66	MP3B	Z	-3.469	-3.469	0	%100
67	MP4B	X	-2.003	-2.003	0	%100
68	MP4B	Z	-3.469	-3.469	0	%100
69	MP5B	X	-2.003	-2.003	0	%100
70	MP5B	Z	-3.469	-3.469	0	%100
71	MP2C	X	-2.177	-2.177	0	%100
72	MP2C	Z	-3.77	-3.77	0	%100
73	MP3C	X	-2.003	-2.003	0	%100
74	MP3C	Z	-3.469	-3.469	0	%100
75	MP4C	X	-2.003	-2.003	0	%100
76	MP4C	Z	-3.469	-3.469	0	%100
77	MP5C	X	-2.003	-2.003	0	%100
78	MP5C	Z	-3.469	-3.469	0	%100
79	OVP	X	-1.62	-1.62	0	%100
80	OVP	Z	-2.806	-2.806	0	%100
81	M71	X	-1.637	-1.637	0	%100
82	M71	Z	-2.835	-2.835	0	%100
83	M74	X	-1.637	-1.637	0	%100
84	M74	Z	-2.835	-2.835	0	%100
85	M77	X	0	0	0	%100
86	M77	Z	0	0	0	%100
87	M89	X	0	0	0	%100
88	M89	Z	0	0	0	%100
89	M90	X	-1.609	-1.609	0	%100
90	M90	Z	-2.787	-2.787	0	%100
91	M91	X	-1.609	-1.609	0	%100
92	M91	Z	-2.787	-2.787	0	%100
93	M93A	X	-1.552	-1.552	0	%100
94	M93A	Z	-2.689	-2.689	0	%100
95	M94	X	-2.857	-2.857	0	%100
96	M94	Z	-4.949	-4.949	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,%]
97	M95	X	-1.552	-1.552	0	%100
98	M95	Z	-2.689	-2.689	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	M39	X	0	0	0	%100
2	M39	Z	-1.503	-1.503	0	%100
3	M40	X	0	0	0	%100
4	M40	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	-.595	-.595	0	%100
9	M112A	X	0	0	0	%100
10	M112A	Z	-.302	-.302	0	%100
11	M113A	X	0	0	0	%100
12	M113A	Z	-.302	-.302	0	%100
13	M32	X	0	0	0	%100
14	M32	Z	-.728	-.728	0	%100
15	M33	X	0	0	0	%100
16	M33	Z	-.728	-.728	0	%100
17	M34	X	0	0	0	%100
18	M34	Z	-.717	-.717	0	%100
19	M16	X	0	0	0	%100
20	M16	Z	-.376	-.376	0	%100
21	M17	X	0	0	0	%100
22	M17	Z	-.549	-.549	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	-.5	-.5	0	%100
25	M22	X	0	0	0	%100
26	M22	Z	-.45	-.45	0	%100
27	M23	X	0	0	0	%100
28	M23	Z	-.015	-.015	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	-.376	-.376	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	-.549	-.549	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	-.5	-.5	0	%100
35	M32A	X	0	0	0	%100
36	M32A	Z	-.015	-.015	0	%100
37	M33A	X	0	0	0	%100
38	M33A	Z	-.45	-.45	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	-.182	-.182	0	%100
41	M37	X	0	0	0	%100
42	M37	Z	-.182	-.182	0	%100
43	M38	X	0	0	0	%100
44	M38	Z	-.179	-.179	0	%100
45	M39A	X	0	0	0	%100
46	M39A	Z	-.182	-.182	0	%100
47	M40A	X	0	0	0	%100
48	M40A	Z	-.182	-.182	0	%100
49	M41	X	0	0	0	%100
50	M41	Z	-.179	-.179	0	%100
51	MP2A	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,%]
52	MP2A	Z	-.72	-.72	0	%100
53	MP3A	X	0	0	0	%100
54	MP3A	Z	-.595	-.595	0	%100
55	MP4A	X	0	0	0	%100
56	MP4A	Z	-.595	-.595	0	%100
57	MP5A	X	0	0	0	%100
58	MP5A	Z	-.595	-.595	0	%100
59	MP1C	X	0	0	0	%100
60	MP1C	Z	-.595	-.595	0	%100
61	MP1B	X	0	0	0	%100
62	MP1B	Z	-.595	-.595	0	%100
63	MP2B	X	0	0	0	%100
64	MP2B	Z	-.72	-.72	0	%100
65	MP3B	X	0	0	0	%100
66	MP3B	Z	-.595	-.595	0	%100
67	MP4B	X	0	0	0	%100
68	MP4B	Z	-.595	-.595	0	%100
69	MP5B	X	0	0	0	%100
70	MP5B	Z	-.595	-.595	0	%100
71	MP2C	X	0	0	0	%100
72	MP2C	Z	-.72	-.72	0	%100
73	MP3C	X	0	0	0	%100
74	MP3C	Z	-.595	-.595	0	%100
75	MP4C	X	0	0	0	%100
76	MP4C	Z	-.595	-.595	0	%100
77	MP5C	X	0	0	0	%100
78	MP5C	Z	-.595	-.595	0	%100
79	OVP	X	0	0	0	%100
80	OVP	Z	-.514	-.514	0	%100
81	M71	X	0	0	0	%100
82	M71	Z	-.72	-.72	0	%100
83	M74	X	0	0	0	%100
84	M74	Z	-.18	-.18	0	%100
85	M77	X	0	0	0	%100
86	M77	Z	-.236	-.236	0	%100
87	M89	X	0	0	0	%100
88	M89	Z	-.18	-.18	0	%100
89	M90	X	0	0	0	%100
90	M90	Z	-.236	-.236	0	%100
91	M91	X	0	0	0	%100
92	M91	Z	-.945	-.945	0	%100
93	M93A	X	0	0	0	%100
94	M93A	Z	-.586	-.586	0	%100
95	M94	X	0	0	0	%100
96	M94	Z	-1.086	-1.086	0	%100
97	M95	X	0	0	0	%100
98	M95	Z	-1.086	-1.086	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	M39	X	.564	.564	0	%100
2	M39	Z	-.976	-.976	0	%100
3	M40	X	.092	.092	0	%100
4	M40	Z	-.159	-.159	0	%100
5	M43	X	.083	.083	0	%100
6	M43	Z	-.144	-.144	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,%]
7	MP1A	X	.298	.298	0	%100
8	MP1A	Z	-.515	-.515	0	%100
9	M112A	X	.031	.031	0	%100
10	M112A	Z	-.053	-.053	0	%100
11	M113A	X	.248	.248	0	%100
12	M113A	Z	-.43	-.43	0	%100
13	M32	X	.273	.273	0	%100
14	M32	Z	-.473	-.473	0	%100
15	M33	X	.273	.273	0	%100
16	M33	Z	-.473	-.473	0	%100
17	M34	X	.269	.269	0	%100
18	M34	Z	-.466	-.466	0	%100
19	M16	X	.564	.564	0	%100
20	M16	Z	-.976	-.976	0	%100
21	M17	X	.092	.092	0	%100
22	M17	Z	-.159	-.159	0	%100
23	M18	X	.083	.083	0	%100
24	M18	Z	-.144	-.144	0	%100
25	M22	X	.248	.248	0	%100
26	M22	Z	-.43	-.43	0	%100
27	M23	X	.031	.031	0	%100
28	M23	Z	-.053	-.053	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	0	0	0	%100
31	M27	X	.366	.366	0	%100
32	M27	Z	-.634	-.634	0	%100
33	M28	X	.334	.334	0	%100
34	M28	Z	-.578	-.578	0	%100
35	M32A	X	.104	.104	0	%100
36	M32A	Z	-.181	-.181	0	%100
37	M33A	X	.104	.104	0	%100
38	M33A	Z	-.181	-.181	0	%100
39	M36	X	.273	.273	0	%100
40	M36	Z	-.473	-.473	0	%100
41	M37	X	.273	.273	0	%100
42	M37	Z	-.473	-.473	0	%100
43	M38	X	.269	.269	0	%100
44	M38	Z	-.466	-.466	0	%100
45	M39A	X	0	0	0	%100
46	M39A	Z	0	0	0	%100
47	M40A	X	0	0	0	%100
48	M40A	Z	0	0	0	%100
49	M41	X	0	0	0	%100
50	M41	Z	0	0	0	%100
51	MP2A	X	.36	.36	0	%100
52	MP2A	Z	-.624	-.624	0	%100
53	MP3A	X	.298	.298	0	%100
54	MP3A	Z	-.515	-.515	0	%100
55	MP4A	X	.298	.298	0	%100
56	MP4A	Z	-.515	-.515	0	%100
57	MP5A	X	.298	.298	0	%100
58	MP5A	Z	-.515	-.515	0	%100
59	MP1C	X	.298	.298	0	%100
60	MP1C	Z	-.515	-.515	0	%100
61	MP1B	X	.298	.298	0	%100
62	MP1B	Z	-.515	-.515	0	%100
63	MP2B	X	.36	.36	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,%]
64	MP2B	Z	-.624	-.624	0	%100
65	MP3B	X	.298	.298	0	%100
66	MP3B	Z	-.515	-.515	0	%100
67	MP4B	X	.298	.298	0	%100
68	MP4B	Z	-.515	-.515	0	%100
69	MP5B	X	.298	.298	0	%100
70	MP5B	Z	-.515	-.515	0	%100
71	MP2C	X	.36	.36	0	%100
72	MP2C	Z	-.624	-.624	0	%100
73	MP3C	X	.298	.298	0	%100
74	MP3C	Z	-.515	-.515	0	%100
75	MP4C	X	.298	.298	0	%100
76	MP4C	Z	-.515	-.515	0	%100
77	MP5C	X	.298	.298	0	%100
78	MP5C	Z	-.515	-.515	0	%100
79	OVP	X	.257	.257	0	%100
80	OVP	Z	-.446	-.446	0	%100
81	M71	X	.27	.27	0	%100
82	M71	Z	-.468	-.468	0	%100
83	M74	X	0	0	0	%100
84	M74	Z	0	0	0	%100
85	M77	X	.354	.354	0	%100
86	M77	Z	-.614	-.614	0	%100
87	M89	X	.27	.27	0	%100
88	M89	Z	-.468	-.468	0	%100
89	M90	X	0	0	0	%100
90	M90	Z	0	0	0	%100
91	M91	X	.354	.354	0	%100
92	M91	Z	-.614	-.614	0	%100
93	M93A	X	.376	.376	0	%100
94	M93A	Z	-.652	-.652	0	%100
95	M94	X	.376	.376	0	%100
96	M94	Z	-.652	-.652	0	%100
97	M95	X	.626	.626	0	%100
98	M95	Z	-1.085	-1.085	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	M39	X	.325	.325	0	%100
2	M39	Z	-.188	-.188	0	%100
3	M40	X	.476	.476	0	%100
4	M40	Z	-.275	-.275	0	%100
5	M43	X	.433	.433	0	%100
6	M43	Z	-.25	-.25	0	%100
7	MP1A	X	.515	.515	0	%100
8	MP1A	Z	-.298	-.298	0	%100
9	M112A	X	.013	.013	0	%100
10	M112A	Z	-.007	-.007	0	%100
11	M113A	X	.39	.39	0	%100
12	M113A	Z	-.225	-.225	0	%100
13	M32	X	.158	.158	0	%100
14	M32	Z	-.091	-.091	0	%100
15	M33	X	.158	.158	0	%100
16	M33	Z	-.091	-.091	0	%100
17	M34	X	.155	.155	0	%100
18	M34	Z	-.09	-.09	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,%]
19	M16	X	1.302	1.302	0	%100
20	M16	Z	-.752	-.752	0	%100
21	M17	X	0	0	0	%100
22	M17	Z	0	0	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	0	0	0	%100
25	M22	X	.262	.262	0	%100
26	M22	Z	-.151	-.151	0	%100
27	M23	X	.262	.262	0	%100
28	M23	Z	-.151	-.151	0	%100
29	M26	X	.325	.325	0	%100
30	M26	Z	-.188	-.188	0	%100
31	M27	X	.476	.476	0	%100
32	M27	Z	-.275	-.275	0	%100
33	M28	X	.433	.433	0	%100
34	M28	Z	-.25	-.25	0	%100
35	M32A	X	.39	.39	0	%100
36	M32A	Z	-.225	-.225	0	%100
37	M33A	X	.013	.013	0	%100
38	M33A	Z	-.007	-.007	0	%100
39	M36	X	.631	.631	0	%100
40	M36	Z	-.364	-.364	0	%100
41	M37	X	.631	.631	0	%100
42	M37	Z	-.364	-.364	0	%100
43	M38	X	.621	.621	0	%100
44	M38	Z	-.358	-.358	0	%100
45	M39A	X	.158	.158	0	%100
46	M39A	Z	-.091	-.091	0	%100
47	M40A	X	.158	.158	0	%100
48	M40A	Z	-.091	-.091	0	%100
49	M41	X	.155	.155	0	%100
50	M41	Z	-.09	-.09	0	%100
51	MP2A	X	.624	.624	0	%100
52	MP2A	Z	-.36	-.36	0	%100
53	MP3A	X	.515	.515	0	%100
54	MP3A	Z	-.298	-.298	0	%100
55	MP4A	X	.515	.515	0	%100
56	MP4A	Z	-.298	-.298	0	%100
57	MP5A	X	.515	.515	0	%100
58	MP5A	Z	-.298	-.298	0	%100
59	MP1C	X	.515	.515	0	%100
60	MP1C	Z	-.298	-.298	0	%100
61	MP1B	X	.515	.515	0	%100
62	MP1B	Z	-.298	-.298	0	%100
63	MP2B	X	.624	.624	0	%100
64	MP2B	Z	-.36	-.36	0	%100
65	MP3B	X	.515	.515	0	%100
66	MP3B	Z	-.298	-.298	0	%100
67	MP4B	X	.515	.515	0	%100
68	MP4B	Z	-.298	-.298	0	%100
69	MP5B	X	.515	.515	0	%100
70	MP5B	Z	-.298	-.298	0	%100
71	MP2C	X	.624	.624	0	%100
72	MP2C	Z	-.36	-.36	0	%100
73	MP3C	X	.515	.515	0	%100
74	MP3C	Z	-.298	-.298	0	%100
75	MP4C	X	.515	.515	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,%]
76	MP4C	Z	-.298	-.298	0	%100
77	MP5C	X	.515	.515	0	%100
78	MP5C	Z	-.298	-.298	0	%100
79	OVP	X	.446	.446	0	%100
80	OVP	Z	-.257	-.257	0	%100
81	M71	X	.156	.156	0	%100
82	M71	Z	-.09	-.09	0	%100
83	M74	X	.156	.156	0	%100
84	M74	Z	-.09	-.09	0	%100
85	M77	X	.818	.818	0	%100
86	M77	Z	-.472	-.472	0	%100
87	M89	X	.624	.624	0	%100
88	M89	Z	-.36	-.36	0	%100
89	M90	X	.205	.205	0	%100
90	M90	Z	-.118	-.118	0	%100
91	M91	X	.205	.205	0	%100
92	M91	Z	-.118	-.118	0	%100
93	M93A	X	.94	.94	0	%100
94	M93A	Z	-.543	-.543	0	%100
95	M94	X	.508	.508	0	%100
96	M94	Z	-.293	-.293	0	%100
97	M95	X	.94	.94	0	%100
98	M95	Z	-.543	-.543	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	M39	X	0	0	0	%100
2	M39	Z	0	0	0	%100
3	M40	X	.732	.732	0	%100
4	M40	Z	0	0	0	%100
5	M43	X	.667	.667	0	%100
6	M43	Z	0	0	0	%100
7	MP1A	X	.595	.595	0	%100
8	MP1A	Z	0	0	0	%100
9	M112A	X	.209	.209	0	%100
10	M112A	Z	0	0	0	%100
11	M113A	X	.209	.209	0	%100
12	M113A	Z	0	0	0	%100
13	M32	X	0	0	0	%100
14	M32	Z	0	0	0	%100
15	M33	X	0	0	0	%100
16	M33	Z	0	0	0	%100
17	M34	X	0	0	0	%100
18	M34	Z	0	0	0	%100
19	M16	X	1.127	1.127	0	%100
20	M16	Z	0	0	0	%100
21	M17	X	.183	.183	0	%100
22	M17	Z	0	0	0	%100
23	M18	X	.167	.167	0	%100
24	M18	Z	0	0	0	%100
25	M22	X	.061	.061	0	%100
26	M22	Z	0	0	0	%100
27	M23	X	.497	.497	0	%100
28	M23	Z	0	0	0	%100
29	M26	X	1.127	1.127	0	%100
30	M26	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,%]
31	M27	X	.183	.183	0	%100
32	M27	Z	0	0	0	%100
33	M28	X	.167	.167	0	%100
34	M28	Z	0	0	0	%100
35	M32A	X	.497	.497	0	%100
36	M32A	Z	0	0	0	%100
37	M33A	X	.061	.061	0	%100
38	M33A	Z	0	0	0	%100
39	M36	X	.546	.546	0	%100
40	M36	Z	0	0	0	%100
41	M37	X	.546	.546	0	%100
42	M37	Z	0	0	0	%100
43	M38	X	.538	.538	0	%100
44	M38	Z	0	0	0	%100
45	M39A	X	.546	.546	0	%100
46	M39A	Z	0	0	0	%100
47	M40A	X	.546	.546	0	%100
48	M40A	Z	0	0	0	%100
49	M41	X	.538	.538	0	%100
50	M41	Z	0	0	0	%100
51	MP2A	X	.72	.72	0	%100
52	MP2A	Z	0	0	0	%100
53	MP3A	X	.595	.595	0	%100
54	MP3A	Z	0	0	0	%100
55	MP4A	X	.595	.595	0	%100
56	MP4A	Z	0	0	0	%100
57	MP5A	X	.595	.595	0	%100
58	MP5A	Z	0	0	0	%100
59	MP1C	X	.595	.595	0	%100
60	MP1C	Z	0	0	0	%100
61	MP1B	X	.595	.595	0	%100
62	MP1B	Z	0	0	0	%100
63	MP2B	X	.72	.72	0	%100
64	MP2B	Z	0	0	0	%100
65	MP3B	X	.595	.595	0	%100
66	MP3B	Z	0	0	0	%100
67	MP4B	X	.595	.595	0	%100
68	MP4B	Z	0	0	0	%100
69	MP5B	X	.595	.595	0	%100
70	MP5B	Z	0	0	0	%100
71	MP2C	X	.72	.72	0	%100
72	MP2C	Z	0	0	0	%100
73	MP3C	X	.595	.595	0	%100
74	MP3C	Z	0	0	0	%100
75	MP4C	X	.595	.595	0	%100
76	MP4C	Z	0	0	0	%100
77	MP5C	X	.595	.595	0	%100
78	MP5C	Z	0	0	0	%100
79	OVP	X	.514	.514	0	%100
80	OVP	Z	0	0	0	%100
81	M71	X	0	0	0	%100
82	M71	Z	0	0	0	%100
83	M74	X	.54	.54	0	%100
84	M74	Z	0	0	0	%100
85	M77	X	.709	.709	0	%100
86	M77	Z	0	0	0	%100
87	M89	X	.54	.54	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,%]
88	M89	Z	0	0	0	%100
89	M90	X	.709	.709	0	%100
90	M90	Z	0	0	0	%100
91	M91	X	0	0	0	%100
92	M91	Z	0	0	0	%100
93	M93A	X	1.252	1.252	0	%100
94	M93A	Z	0	0	0	%100
95	M94	X	.753	.753	0	%100
96	M94	Z	0	0	0	%100
97	M95	X	.753	.753	0	%100
98	M95	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	M39	X	.325	.325	0	%100
2	M39	Z	.188	.188	0	%100
3	M40	X	.476	.476	0	%100
4	M40	Z	.275	.275	0	%100
5	M43	X	.433	.433	0	%100
6	M43	Z	.25	.25	0	%100
7	MP1A	X	.515	.515	0	%100
8	MP1A	Z	.298	.298	0	%100
9	M112A	X	.39	.39	0	%100
10	M112A	Z	.225	.225	0	%100
11	M113A	X	.013	.013	0	%100
12	M113A	Z	.007	.007	0	%100
13	M32	X	.158	.158	0	%100
14	M32	Z	.091	.091	0	%100
15	M33	X	.158	.158	0	%100
16	M33	Z	.091	.091	0	%100
17	M34	X	.155	.155	0	%100
18	M34	Z	.09	.09	0	%100
19	M16	X	.325	.325	0	%100
20	M16	Z	.188	.188	0	%100
21	M17	X	.476	.476	0	%100
22	M17	Z	.275	.275	0	%100
23	M18	X	.433	.433	0	%100
24	M18	Z	.25	.25	0	%100
25	M22	X	.013	.013	0	%100
26	M22	Z	.007	.007	0	%100
27	M23	X	.39	.39	0	%100
28	M23	Z	.225	.225	0	%100
29	M26	X	1.302	1.302	0	%100
30	M26	Z	.752	.752	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	0	0	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	0	0	0	%100
35	M32A	X	.262	.262	0	%100
36	M32A	Z	.151	.151	0	%100
37	M33A	X	.262	.262	0	%100
38	M33A	Z	.151	.151	0	%100
39	M36	X	.158	.158	0	%100
40	M36	Z	.091	.091	0	%100
41	M37	X	.158	.158	0	%100
42	M37	Z	.091	.091	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,%]
43	M38	X	.155	.155	0	%100
44	M38	Z	.09	.09	0	%100
45	M39A	X	.631	.631	0	%100
46	M39A	Z	.364	.364	0	%100
47	M40A	X	.631	.631	0	%100
48	M40A	Z	.364	.364	0	%100
49	M41	X	.621	.621	0	%100
50	M41	Z	.358	.358	0	%100
51	MP2A	X	.624	.624	0	%100
52	MP2A	Z	.36	.36	0	%100
53	MP3A	X	.515	.515	0	%100
54	MP3A	Z	.298	.298	0	%100
55	MP4A	X	.515	.515	0	%100
56	MP4A	Z	.298	.298	0	%100
57	MP5A	X	.515	.515	0	%100
58	MP5A	Z	.298	.298	0	%100
59	MP1C	X	.515	.515	0	%100
60	MP1C	Z	.298	.298	0	%100
61	MP1B	X	.515	.515	0	%100
62	MP1B	Z	.298	.298	0	%100
63	MP2B	X	.624	.624	0	%100
64	MP2B	Z	.36	.36	0	%100
65	MP3B	X	.515	.515	0	%100
66	MP3B	Z	.298	.298	0	%100
67	MP4B	X	.515	.515	0	%100
68	MP4B	Z	.298	.298	0	%100
69	MP5B	X	.515	.515	0	%100
70	MP5B	Z	.298	.298	0	%100
71	MP2C	X	.624	.624	0	%100
72	MP2C	Z	.36	.36	0	%100
73	MP3C	X	.515	.515	0	%100
74	MP3C	Z	.298	.298	0	%100
75	MP4C	X	.515	.515	0	%100
76	MP4C	Z	.298	.298	0	%100
77	MP5C	X	.515	.515	0	%100
78	MP5C	Z	.298	.298	0	%100
79	OVP	X	.446	.446	0	%100
80	OVP	Z	.257	.257	0	%100
81	M71	X	.156	.156	0	%100
82	M71	Z	.09	.09	0	%100
83	M74	X	.624	.624	0	%100
84	M74	Z	.36	.36	0	%100
85	M77	X	.205	.205	0	%100
86	M77	Z	.118	.118	0	%100
87	M89	X	.156	.156	0	%100
88	M89	Z	.09	.09	0	%100
89	M90	X	.818	.818	0	%100
90	M90	Z	.472	.472	0	%100
91	M91	X	.205	.205	0	%100
92	M91	Z	.118	.118	0	%100
93	M93A	X	.94	.94	0	%100
94	M93A	Z	.543	.543	0	%100
95	M94	X	.94	.94	0	%100
96	M94	Z	.543	.543	0	%100
97	M95	X	.508	.508	0	%100
98	M95	Z	.293	.293	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	M39	X	.564	.564	0	%100
2	M39	Z	.976	.976	0	%100
3	M40	X	.092	.092	0	%100
4	M40	Z	.159	.159	0	%100
5	M43	X	.083	.083	0	%100
6	M43	Z	.144	.144	0	%100
7	MP1A	X	.298	.298	0	%100
8	MP1A	Z	.515	.515	0	%100
9	M112A	X	.248	.248	0	%100
10	M112A	Z	.43	.43	0	%100
11	M113A	X	.031	.031	0	%100
12	M113A	Z	.053	.053	0	%100
13	M32	X	.273	.273	0	%100
14	M32	Z	.473	.473	0	%100
15	M33	X	.273	.273	0	%100
16	M33	Z	.473	.473	0	%100
17	M34	X	.269	.269	0	%100
18	M34	Z	.466	.466	0	%100
19	M16	X	0	0	0	%100
20	M16	Z	0	0	0	%100
21	M17	X	.366	.366	0	%100
22	M17	Z	.634	.634	0	%100
23	M18	X	.334	.334	0	%100
24	M18	Z	.578	.578	0	%100
25	M22	X	.104	.104	0	%100
26	M22	Z	.181	.181	0	%100
27	M23	X	.104	.104	0	%100
28	M23	Z	.181	.181	0	%100
29	M26	X	.564	.564	0	%100
30	M26	Z	.976	.976	0	%100
31	M27	X	.092	.092	0	%100
32	M27	Z	.159	.159	0	%100
33	M28	X	.083	.083	0	%100
34	M28	Z	.144	.144	0	%100
35	M32A	X	.031	.031	0	%100
36	M32A	Z	.053	.053	0	%100
37	M33A	X	.248	.248	0	%100
38	M33A	Z	.43	.43	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	0	0	0	%100
41	M37	X	0	0	0	%100
42	M37	Z	0	0	0	%100
43	M38	X	0	0	0	%100
44	M38	Z	0	0	0	%100
45	M39A	X	.273	.273	0	%100
46	M39A	Z	.473	.473	0	%100
47	M40A	X	.273	.273	0	%100
48	M40A	Z	.473	.473	0	%100
49	M41	X	.269	.269	0	%100
50	M41	Z	.466	.466	0	%100
51	MP2A	X	.36	.36	0	%100
52	MP2A	Z	.624	.624	0	%100
53	MP3A	X	.298	.298	0	%100
54	MP3A	Z	.515	.515	0	%100
55	MP4A	X	.298	.298	0	%100
56	MP4A	Z	.515	.515	0	%100
57	MP5A	X	.298	.298	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	MP5A	Z	.515	.515	0	%100
59	MP1C	X	.298	.298	0	%100
60	MP1C	Z	.515	.515	0	%100
61	MP1B	X	.298	.298	0	%100
62	MP1B	Z	.515	.515	0	%100
63	MP2B	X	.36	.36	0	%100
64	MP2B	Z	.624	.624	0	%100
65	MP3B	X	.298	.298	0	%100
66	MP3B	Z	.515	.515	0	%100
67	MP4B	X	.298	.298	0	%100
68	MP4B	Z	.515	.515	0	%100
69	MP5B	X	.298	.298	0	%100
70	MP5B	Z	.515	.515	0	%100
71	MP2C	X	.36	.36	0	%100
72	MP2C	Z	.624	.624	0	%100
73	MP3C	X	.298	.298	0	%100
74	MP3C	Z	.515	.515	0	%100
75	MP4C	X	.298	.298	0	%100
76	MP4C	Z	.515	.515	0	%100
77	MP5C	X	.298	.298	0	%100
78	MP5C	Z	.515	.515	0	%100
79	OVP	X	.257	.257	0	%100
80	OVP	Z	.446	.446	0	%100
81	M71	X	.27	.27	0	%100
82	M71	Z	.468	.468	0	%100
83	M74	X	.27	.27	0	%100
84	M74	Z	.468	.468	0	%100
85	M77	X	0	0	0	%100
86	M77	Z	0	0	0	%100
87	M89	X	0	0	0	%100
88	M89	Z	0	0	0	%100
89	M90	X	.354	.354	0	%100
90	M90	Z	.614	.614	0	%100
91	M91	X	.354	.354	0	%100
92	M91	Z	.614	.614	0	%100
93	M93A	X	.376	.376	0	%100
94	M93A	Z	.652	.652	0	%100
95	M94	X	.626	.626	0	%100
96	M94	Z	1.085	1.085	0	%100
97	M95	X	.376	.376	0	%100
98	M95	Z	.652	.652	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	M39	X	0	0	0	%100
2	M39	Z	1.503	1.503	0	%100
3	M40	X	0	0	0	%100
4	M40	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	.595	.595	0	%100
9	M112A	X	0	0	0	%100
10	M112A	Z	.302	.302	0	%100
11	M113A	X	0	0	0	%100
12	M113A	Z	.302	.302	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,%]
13	M32	X	0	0	0	%100
14	M32	Z	.728	.728	0	%100
15	M33	X	0	0	0	%100
16	M33	Z	.728	.728	0	%100
17	M34	X	0	0	0	%100
18	M34	Z	.717	.717	0	%100
19	M16	X	0	0	0	%100
20	M16	Z	.376	.376	0	%100
21	M17	X	0	0	0	%100
22	M17	Z	.549	.549	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	.5	.5	0	%100
25	M22	X	0	0	0	%100
26	M22	Z	.45	.45	0	%100
27	M23	X	0	0	0	%100
28	M23	Z	.015	.015	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	.376	.376	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	.549	.549	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	.5	.5	0	%100
35	M32A	X	0	0	0	%100
36	M32A	Z	.015	.015	0	%100
37	M33A	X	0	0	0	%100
38	M33A	Z	.45	.45	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	.182	.182	0	%100
41	M37	X	0	0	0	%100
42	M37	Z	.182	.182	0	%100
43	M38	X	0	0	0	%100
44	M38	Z	.179	.179	0	%100
45	M39A	X	0	0	0	%100
46	M39A	Z	.182	.182	0	%100
47	M40A	X	0	0	0	%100
48	M40A	Z	.182	.182	0	%100
49	M41	X	0	0	0	%100
50	M41	Z	.179	.179	0	%100
51	MP2A	X	0	0	0	%100
52	MP2A	Z	.72	.72	0	%100
53	MP3A	X	0	0	0	%100
54	MP3A	Z	.595	.595	0	%100
55	MP4A	X	0	0	0	%100
56	MP4A	Z	.595	.595	0	%100
57	MP5A	X	0	0	0	%100
58	MP5A	Z	.595	.595	0	%100
59	MP1C	X	0	0	0	%100
60	MP1C	Z	.595	.595	0	%100
61	MP1B	X	0	0	0	%100
62	MP1B	Z	.595	.595	0	%100
63	MP2B	X	0	0	0	%100
64	MP2B	Z	.72	.72	0	%100
65	MP3B	X	0	0	0	%100
66	MP3B	Z	.595	.595	0	%100
67	MP4B	X	0	0	0	%100
68	MP4B	Z	.595	.595	0	%100
69	MP5B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
70	MP5B	Z	.595	.595	0	%100
71	MP2C	X	0	0	0	%100
72	MP2C	Z	.72	.72	0	%100
73	MP3C	X	0	0	0	%100
74	MP3C	Z	.595	.595	0	%100
75	MP4C	X	0	0	0	%100
76	MP4C	Z	.595	.595	0	%100
77	MP5C	X	0	0	0	%100
78	MP5C	Z	.595	.595	0	%100
79	OVP	X	0	0	0	%100
80	OVP	Z	.514	.514	0	%100
81	M71	X	0	0	0	%100
82	M71	Z	.72	.72	0	%100
83	M74	X	0	0	0	%100
84	M74	Z	.18	.18	0	%100
85	M77	X	0	0	0	%100
86	M77	Z	.236	.236	0	%100
87	M89	X	0	0	0	%100
88	M89	Z	.18	.18	0	%100
89	M90	X	0	0	0	%100
90	M90	Z	.236	.236	0	%100
91	M91	X	0	0	0	%100
92	M91	Z	.945	.945	0	%100
93	M93A	X	0	0	0	%100
94	M93A	Z	.586	.586	0	%100
95	M94	X	0	0	0	%100
96	M94	Z	1.086	1.086	0	%100
97	M95	X	0	0	0	%100
98	M95	Z	1.086	1.086	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	M39	X	-.564	-.564	0	%100
2	M39	Z	.976	.976	0	%100
3	M40	X	-.092	-.092	0	%100
4	M40	Z	.159	.159	0	%100
5	M43	X	-.083	-.083	0	%100
6	M43	Z	.144	.144	0	%100
7	MP1A	X	-.298	-.298	0	%100
8	MP1A	Z	.515	.515	0	%100
9	M112A	X	-.031	-.031	0	%100
10	M112A	Z	.053	.053	0	%100
11	M113A	X	-.248	-.248	0	%100
12	M113A	Z	.43	.43	0	%100
13	M32	X	-.273	-.273	0	%100
14	M32	Z	.473	.473	0	%100
15	M33	X	-.273	-.273	0	%100
16	M33	Z	.473	.473	0	%100
17	M34	X	-.269	-.269	0	%100
18	M34	Z	.466	.466	0	%100
19	M16	X	-.564	-.564	0	%100
20	M16	Z	.976	.976	0	%100
21	M17	X	-.092	-.092	0	%100
22	M17	Z	.159	.159	0	%100
23	M18	X	-.083	-.083	0	%100
24	M18	Z	.144	.144	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,%]
25	M22	X	-.248	-.248	0	%100
26	M22	Z	.43	.43	0	%100
27	M23	X	-.031	-.031	0	%100
28	M23	Z	.053	.053	0	%100
29	M26	X	0	0	0	%100
30	M26	Z	0	0	0	%100
31	M27	X	-.366	-.366	0	%100
32	M27	Z	.634	.634	0	%100
33	M28	X	-.334	-.334	0	%100
34	M28	Z	.578	.578	0	%100
35	M32A	X	-.104	-.104	0	%100
36	M32A	Z	.181	.181	0	%100
37	M33A	X	-.104	-.104	0	%100
38	M33A	Z	.181	.181	0	%100
39	M36	X	-.273	-.273	0	%100
40	M36	Z	.473	.473	0	%100
41	M37	X	-.273	-.273	0	%100
42	M37	Z	.473	.473	0	%100
43	M38	X	-.269	-.269	0	%100
44	M38	Z	.466	.466	0	%100
45	M39A	X	0	0	0	%100
46	M39A	Z	0	0	0	%100
47	M40A	X	0	0	0	%100
48	M40A	Z	0	0	0	%100
49	M41	X	0	0	0	%100
50	M41	Z	0	0	0	%100
51	MP2A	X	-.36	-.36	0	%100
52	MP2A	Z	.624	.624	0	%100
53	MP3A	X	-.298	-.298	0	%100
54	MP3A	Z	.515	.515	0	%100
55	MP4A	X	-.298	-.298	0	%100
56	MP4A	Z	.515	.515	0	%100
57	MP5A	X	-.298	-.298	0	%100
58	MP5A	Z	.515	.515	0	%100
59	MP1C	X	-.298	-.298	0	%100
60	MP1C	Z	.515	.515	0	%100
61	MP1B	X	-.298	-.298	0	%100
62	MP1B	Z	.515	.515	0	%100
63	MP2B	X	-.36	-.36	0	%100
64	MP2B	Z	.624	.624	0	%100
65	MP3B	X	-.298	-.298	0	%100
66	MP3B	Z	.515	.515	0	%100
67	MP4B	X	-.298	-.298	0	%100
68	MP4B	Z	.515	.515	0	%100
69	MP5B	X	-.298	-.298	0	%100
70	MP5B	Z	.515	.515	0	%100
71	MP2C	X	-.36	-.36	0	%100
72	MP2C	Z	.624	.624	0	%100
73	MP3C	X	-.298	-.298	0	%100
74	MP3C	Z	.515	.515	0	%100
75	MP4C	X	-.298	-.298	0	%100
76	MP4C	Z	.515	.515	0	%100
77	MP5C	X	-.298	-.298	0	%100
78	MP5C	Z	.515	.515	0	%100
79	OVP	X	-.257	-.257	0	%100
80	OVP	Z	.446	.446	0	%100
81	M71	X	-.27	-.27	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,%]
82	M71	Z	.468	.468	0	%100
83	M74	X	0	0	0	%100
84	M74	Z	0	0	0	%100
85	M77	X	-.354	-.354	0	%100
86	M77	Z	.614	.614	0	%100
87	M89	X	-.27	-.27	0	%100
88	M89	Z	.468	.468	0	%100
89	M90	X	0	0	0	%100
90	M90	Z	0	0	0	%100
91	M91	X	-.354	-.354	0	%100
92	M91	Z	.614	.614	0	%100
93	M93A	X	-.376	-.376	0	%100
94	M93A	Z	.652	.652	0	%100
95	M94	X	-.376	-.376	0	%100
96	M94	Z	.652	.652	0	%100
97	M95	X	-.626	-.626	0	%100
98	M95	Z	1.085	1.085	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	M39	X	-.325	-.325	0	%100
2	M39	Z	.188	.188	0	%100
3	M40	X	-.476	-.476	0	%100
4	M40	Z	.275	.275	0	%100
5	M43	X	-.433	-.433	0	%100
6	M43	Z	.25	.25	0	%100
7	MP1A	X	-.515	-.515	0	%100
8	MP1A	Z	.298	.298	0	%100
9	M112A	X	-.013	-.013	0	%100
10	M112A	Z	.007	.007	0	%100
11	M113A	X	-.39	-.39	0	%100
12	M113A	Z	.225	.225	0	%100
13	M32	X	-.158	-.158	0	%100
14	M32	Z	.091	.091	0	%100
15	M33	X	-.158	-.158	0	%100
16	M33	Z	.091	.091	0	%100
17	M34	X	-.155	-.155	0	%100
18	M34	Z	.09	.09	0	%100
19	M16	X	-1.302	-1.302	0	%100
20	M16	Z	.752	.752	0	%100
21	M17	X	0	0	0	%100
22	M17	Z	0	0	0	%100
23	M18	X	0	0	0	%100
24	M18	Z	0	0	0	%100
25	M22	X	-.262	-.262	0	%100
26	M22	Z	.151	.151	0	%100
27	M23	X	-.262	-.262	0	%100
28	M23	Z	.151	.151	0	%100
29	M26	X	-.325	-.325	0	%100
30	M26	Z	.188	.188	0	%100
31	M27	X	-.476	-.476	0	%100
32	M27	Z	.275	.275	0	%100
33	M28	X	-.433	-.433	0	%100
34	M28	Z	.25	.25	0	%100
35	M32A	X	-.39	-.39	0	%100
36	M32A	Z	.225	.225	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,%]
37	M33A	X	-.013	-.013	0	%100
38	M33A	Z	.007	.007	0	%100
39	M36	X	-.631	-.631	0	%100
40	M36	Z	.364	.364	0	%100
41	M37	X	-.631	-.631	0	%100
42	M37	Z	.364	.364	0	%100
43	M38	X	-.621	-.621	0	%100
44	M38	Z	.358	.358	0	%100
45	M39A	X	-.158	-.158	0	%100
46	M39A	Z	.091	.091	0	%100
47	M40A	X	-.158	-.158	0	%100
48	M40A	Z	.091	.091	0	%100
49	M41	X	-.155	-.155	0	%100
50	M41	Z	.09	.09	0	%100
51	MP2A	X	-.624	-.624	0	%100
52	MP2A	Z	.36	.36	0	%100
53	MP3A	X	-.515	-.515	0	%100
54	MP3A	Z	.298	.298	0	%100
55	MP4A	X	-.515	-.515	0	%100
56	MP4A	Z	.298	.298	0	%100
57	MP5A	X	-.515	-.515	0	%100
58	MP5A	Z	.298	.298	0	%100
59	MP1C	X	-.515	-.515	0	%100
60	MP1C	Z	.298	.298	0	%100
61	MP1B	X	-.515	-.515	0	%100
62	MP1B	Z	.298	.298	0	%100
63	MP2B	X	-.624	-.624	0	%100
64	MP2B	Z	.36	.36	0	%100
65	MP3B	X	-.515	-.515	0	%100
66	MP3B	Z	.298	.298	0	%100
67	MP4B	X	-.515	-.515	0	%100
68	MP4B	Z	.298	.298	0	%100
69	MP5B	X	-.515	-.515	0	%100
70	MP5B	Z	.298	.298	0	%100
71	MP2C	X	-.624	-.624	0	%100
72	MP2C	Z	.36	.36	0	%100
73	MP3C	X	-.515	-.515	0	%100
74	MP3C	Z	.298	.298	0	%100
75	MP4C	X	-.515	-.515	0	%100
76	MP4C	Z	.298	.298	0	%100
77	MP5C	X	-.515	-.515	0	%100
78	MP5C	Z	.298	.298	0	%100
79	OVP	X	-.446	-.446	0	%100
80	OVP	Z	.257	.257	0	%100
81	M71	X	-.156	-.156	0	%100
82	M71	Z	.09	.09	0	%100
83	M74	X	-.156	-.156	0	%100
84	M74	Z	.09	.09	0	%100
85	M77	X	-.818	-.818	0	%100
86	M77	Z	.472	.472	0	%100
87	M89	X	-.624	-.624	0	%100
88	M89	Z	.36	.36	0	%100
89	M90	X	-.205	-.205	0	%100
90	M90	Z	.118	.118	0	%100
91	M91	X	-.205	-.205	0	%100
92	M91	Z	.118	.118	0	%100
93	M93A	X	-.94	-.94	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,%]
94	M93A	Z	.543	.543	0	%100
95	M94	X	-.508	-.508	0	%100
96	M94	Z	.293	.293	0	%100
97	M95	X	-.94	-.94	0	%100
98	M95	Z	.543	.543	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	M39	X	0	0	0	%100
2	M39	Z	0	0	0	%100
3	M40	X	-.732	-.732	0	%100
4	M40	Z	0	0	0	%100
5	M43	X	-.667	-.667	0	%100
6	M43	Z	0	0	0	%100
7	MP1A	X	-.595	-.595	0	%100
8	MP1A	Z	0	0	0	%100
9	M112A	X	-.209	-.209	0	%100
10	M112A	Z	0	0	0	%100
11	M113A	X	-.209	-.209	0	%100
12	M113A	Z	0	0	0	%100
13	M32	X	0	0	0	%100
14	M32	Z	0	0	0	%100
15	M33	X	0	0	0	%100
16	M33	Z	0	0	0	%100
17	M34	X	0	0	0	%100
18	M34	Z	0	0	0	%100
19	M16	X	-1.127	-1.127	0	%100
20	M16	Z	0	0	0	%100
21	M17	X	-.183	-.183	0	%100
22	M17	Z	0	0	0	%100
23	M18	X	-.167	-.167	0	%100
24	M18	Z	0	0	0	%100
25	M22	X	-.061	-.061	0	%100
26	M22	Z	0	0	0	%100
27	M23	X	-.497	-.497	0	%100
28	M23	Z	0	0	0	%100
29	M26	X	-1.127	-1.127	0	%100
30	M26	Z	0	0	0	%100
31	M27	X	-.183	-.183	0	%100
32	M27	Z	0	0	0	%100
33	M28	X	-.167	-.167	0	%100
34	M28	Z	0	0	0	%100
35	M32A	X	-.497	-.497	0	%100
36	M32A	Z	0	0	0	%100
37	M33A	X	-.061	-.061	0	%100
38	M33A	Z	0	0	0	%100
39	M36	X	-.546	-.546	0	%100
40	M36	Z	0	0	0	%100
41	M37	X	-.546	-.546	0	%100
42	M37	Z	0	0	0	%100
43	M38	X	-.538	-.538	0	%100
44	M38	Z	0	0	0	%100
45	M39A	X	-.546	-.546	0	%100
46	M39A	Z	0	0	0	%100
47	M40A	X	-.546	-.546	0	%100
48	M40A	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,%]
49	M41	X	-.538	-.538	0	%100
50	M41	Z	0	0	0	%100
51	MP2A	X	-.72	-.72	0	%100
52	MP2A	Z	0	0	0	%100
53	MP3A	X	-.595	-.595	0	%100
54	MP3A	Z	0	0	0	%100
55	MP4A	X	-.595	-.595	0	%100
56	MP4A	Z	0	0	0	%100
57	MP5A	X	-.595	-.595	0	%100
58	MP5A	Z	0	0	0	%100
59	MP1C	X	-.595	-.595	0	%100
60	MP1C	Z	0	0	0	%100
61	MP1B	X	-.595	-.595	0	%100
62	MP1B	Z	0	0	0	%100
63	MP2B	X	-.72	-.72	0	%100
64	MP2B	Z	0	0	0	%100
65	MP3B	X	-.595	-.595	0	%100
66	MP3B	Z	0	0	0	%100
67	MP4B	X	-.595	-.595	0	%100
68	MP4B	Z	0	0	0	%100
69	MP5B	X	-.595	-.595	0	%100
70	MP5B	Z	0	0	0	%100
71	MP2C	X	-.72	-.72	0	%100
72	MP2C	Z	0	0	0	%100
73	MP3C	X	-.595	-.595	0	%100
74	MP3C	Z	0	0	0	%100
75	MP4C	X	-.595	-.595	0	%100
76	MP4C	Z	0	0	0	%100
77	MP5C	X	-.595	-.595	0	%100
78	MP5C	Z	0	0	0	%100
79	OVP	X	-.514	-.514	0	%100
80	OVP	Z	0	0	0	%100
81	M71	X	0	0	0	%100
82	M71	Z	0	0	0	%100
83	M74	X	-.54	-.54	0	%100
84	M74	Z	0	0	0	%100
85	M77	X	-.709	-.709	0	%100
86	M77	Z	0	0	0	%100
87	M89	X	-.54	-.54	0	%100
88	M89	Z	0	0	0	%100
89	M90	X	-.709	-.709	0	%100
90	M90	Z	0	0	0	%100
91	M91	X	0	0	0	%100
92	M91	Z	0	0	0	%100
93	M93A	X	-1.252	-1.252	0	%100
94	M93A	Z	0	0	0	%100
95	M94	X	-.753	-.753	0	%100
96	M94	Z	0	0	0	%100
97	M95	X	-.753	-.753	0	%100
98	M95	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	M39	X	-.325	-.325	0	%100
2	M39	Z	-.188	-.188	0	%100
3	M40	X	-.476	-.476	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,%]
4	M40	Z	-.275	-.275	0	%100
5	M43	X	-.433	-.433	0	%100
6	M43	Z	-.25	-.25	0	%100
7	MP1A	X	-.515	-.515	0	%100
8	MP1A	Z	-.298	-.298	0	%100
9	M112A	X	-.39	-.39	0	%100
10	M112A	Z	-.225	-.225	0	%100
11	M113A	X	-.013	-.013	0	%100
12	M113A	Z	-.007	-.007	0	%100
13	M32	X	-.158	-.158	0	%100
14	M32	Z	-.091	-.091	0	%100
15	M33	X	-.158	-.158	0	%100
16	M33	Z	-.091	-.091	0	%100
17	M34	X	-.155	-.155	0	%100
18	M34	Z	-.09	-.09	0	%100
19	M16	X	-.325	-.325	0	%100
20	M16	Z	-.188	-.188	0	%100
21	M17	X	-.476	-.476	0	%100
22	M17	Z	-.275	-.275	0	%100
23	M18	X	-.433	-.433	0	%100
24	M18	Z	-.25	-.25	0	%100
25	M22	X	-.013	-.013	0	%100
26	M22	Z	-.007	-.007	0	%100
27	M23	X	-.39	-.39	0	%100
28	M23	Z	-.225	-.225	0	%100
29	M26	X	-1.302	-1.302	0	%100
30	M26	Z	-.752	-.752	0	%100
31	M27	X	0	0	0	%100
32	M27	Z	0	0	0	%100
33	M28	X	0	0	0	%100
34	M28	Z	0	0	0	%100
35	M32A	X	-.262	-.262	0	%100
36	M32A	Z	-.151	-.151	0	%100
37	M33A	X	-.262	-.262	0	%100
38	M33A	Z	-.151	-.151	0	%100
39	M36	X	-.158	-.158	0	%100
40	M36	Z	-.091	-.091	0	%100
41	M37	X	-.158	-.158	0	%100
42	M37	Z	-.091	-.091	0	%100
43	M38	X	-.155	-.155	0	%100
44	M38	Z	-.09	-.09	0	%100
45	M39A	X	-.631	-.631	0	%100
46	M39A	Z	-.364	-.364	0	%100
47	M40A	X	-.631	-.631	0	%100
48	M40A	Z	-.364	-.364	0	%100
49	M41	X	-.621	-.621	0	%100
50	M41	Z	-.358	-.358	0	%100
51	MP2A	X	-.624	-.624	0	%100
52	MP2A	Z	-.36	-.36	0	%100
53	MP3A	X	-.515	-.515	0	%100
54	MP3A	Z	-.298	-.298	0	%100
55	MP4A	X	-.515	-.515	0	%100
56	MP4A	Z	-.298	-.298	0	%100
57	MP5A	X	-.515	-.515	0	%100
58	MP5A	Z	-.298	-.298	0	%100
59	MP1C	X	-.515	-.515	0	%100
60	MP1C	Z	-.298	-.298	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,%]
61	MP1B	X	-.515	-.515	0	%100
62	MP1B	Z	-.298	-.298	0	%100
63	MP2B	X	-.624	-.624	0	%100
64	MP2B	Z	-.36	-.36	0	%100
65	MP3B	X	-.515	-.515	0	%100
66	MP3B	Z	-.298	-.298	0	%100
67	MP4B	X	-.515	-.515	0	%100
68	MP4B	Z	-.298	-.298	0	%100
69	MP5B	X	-.515	-.515	0	%100
70	MP5B	Z	-.298	-.298	0	%100
71	MP2C	X	-.624	-.624	0	%100
72	MP2C	Z	-.36	-.36	0	%100
73	MP3C	X	-.515	-.515	0	%100
74	MP3C	Z	-.298	-.298	0	%100
75	MP4C	X	-.515	-.515	0	%100
76	MP4C	Z	-.298	-.298	0	%100
77	MP5C	X	-.515	-.515	0	%100
78	MP5C	Z	-.298	-.298	0	%100
79	OVP	X	-.446	-.446	0	%100
80	OVP	Z	-.257	-.257	0	%100
81	M71	X	-.156	-.156	0	%100
82	M71	Z	-.09	-.09	0	%100
83	M74	X	-.624	-.624	0	%100
84	M74	Z	-.36	-.36	0	%100
85	M77	X	-.205	-.205	0	%100
86	M77	Z	-.118	-.118	0	%100
87	M89	X	-.156	-.156	0	%100
88	M89	Z	-.09	-.09	0	%100
89	M90	X	-.818	-.818	0	%100
90	M90	Z	-.472	-.472	0	%100
91	M91	X	-.205	-.205	0	%100
92	M91	Z	-.118	-.118	0	%100
93	M93A	X	-.94	-.94	0	%100
94	M93A	Z	-.543	-.543	0	%100
95	M94	X	-.94	-.94	0	%100
96	M94	Z	-.543	-.543	0	%100
97	M95	X	-.508	-.508	0	%100
98	M95	Z	-.293	-.293	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	M39	X	-.564	-.564	0	%100
2	M39	Z	-.976	-.976	0	%100
3	M40	X	-.092	-.092	0	%100
4	M40	Z	-.159	-.159	0	%100
5	M43	X	-.083	-.083	0	%100
6	M43	Z	-.144	-.144	0	%100
7	MP1A	X	-.298	-.298	0	%100
8	MP1A	Z	-.515	-.515	0	%100
9	M112A	X	-.248	-.248	0	%100
10	M112A	Z	-.43	-.43	0	%100
11	M113A	X	-.031	-.031	0	%100
12	M113A	Z	-.053	-.053	0	%100
13	M32	X	-.273	-.273	0	%100
14	M32	Z	-.473	-.473	0	%100
15	M33	X	-.273	-.273	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,%]
16	M33	Z	-.473	-.473	0	%100
17	M34	X	-.269	-.269	0	%100
18	M34	Z	-.466	-.466	0	%100
19	M16	X	0	0	0	%100
20	M16	Z	0	0	0	%100
21	M17	X	-.366	-.366	0	%100
22	M17	Z	-.634	-.634	0	%100
23	M18	X	-.334	-.334	0	%100
24	M18	Z	-.578	-.578	0	%100
25	M22	X	-.104	-.104	0	%100
26	M22	Z	-.181	-.181	0	%100
27	M23	X	-.104	-.104	0	%100
28	M23	Z	-.181	-.181	0	%100
29	M26	X	-.564	-.564	0	%100
30	M26	Z	-.976	-.976	0	%100
31	M27	X	-.092	-.092	0	%100
32	M27	Z	-.159	-.159	0	%100
33	M28	X	-.083	-.083	0	%100
34	M28	Z	-.144	-.144	0	%100
35	M32A	X	-.031	-.031	0	%100
36	M32A	Z	-.053	-.053	0	%100
37	M33A	X	-.248	-.248	0	%100
38	M33A	Z	-.43	-.43	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	0	0	0	%100
41	M37	X	0	0	0	%100
42	M37	Z	0	0	0	%100
43	M38	X	0	0	0	%100
44	M38	Z	0	0	0	%100
45	M39A	X	-.273	-.273	0	%100
46	M39A	Z	-.473	-.473	0	%100
47	M40A	X	-.273	-.273	0	%100
48	M40A	Z	-.473	-.473	0	%100
49	M41	X	-.269	-.269	0	%100
50	M41	Z	-.466	-.466	0	%100
51	MP2A	X	-.36	-.36	0	%100
52	MP2A	Z	-.624	-.624	0	%100
53	MP3A	X	-.298	-.298	0	%100
54	MP3A	Z	-.515	-.515	0	%100
55	MP4A	X	-.298	-.298	0	%100
56	MP4A	Z	-.515	-.515	0	%100
57	MP5A	X	-.298	-.298	0	%100
58	MP5A	Z	-.515	-.515	0	%100
59	MP1C	X	-.298	-.298	0	%100
60	MP1C	Z	-.515	-.515	0	%100
61	MP1B	X	-.298	-.298	0	%100
62	MP1B	Z	-.515	-.515	0	%100
63	MP2B	X	-.36	-.36	0	%100
64	MP2B	Z	-.624	-.624	0	%100
65	MP3B	X	-.298	-.298	0	%100
66	MP3B	Z	-.515	-.515	0	%100
67	MP4B	X	-.298	-.298	0	%100
68	MP4B	Z	-.515	-.515	0	%100
69	MP5B	X	-.298	-.298	0	%100
70	MP5B	Z	-.515	-.515	0	%100
71	MP2C	X	-.36	-.36	0	%100
72	MP2C	Z	-.624	-.624	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,%]
73	MP3C	X	-.298	-.298	0	%100
74	MP3C	Z	-.515	-.515	0	%100
75	MP4C	X	-.298	-.298	0	%100
76	MP4C	Z	-.515	-.515	0	%100
77	MP5C	X	-.298	-.298	0	%100
78	MP5C	Z	-.515	-.515	0	%100
79	OVP	X	-.257	-.257	0	%100
80	OVP	Z	-.446	-.446	0	%100
81	M71	X	-.27	-.27	0	%100
82	M71	Z	-.468	-.468	0	%100
83	M74	X	-.27	-.27	0	%100
84	M74	Z	-.468	-.468	0	%100
85	M77	X	0	0	0	%100
86	M77	Z	0	0	0	%100
87	M89	X	0	0	0	%100
88	M89	Z	0	0	0	%100
89	M90	X	-.354	-.354	0	%100
90	M90	Z	-.614	-.614	0	%100
91	M91	X	-.354	-.354	0	%100
92	M91	Z	-.614	-.614	0	%100
93	M93A	X	-.376	-.376	0	%100
94	M93A	Z	-.652	-.652	0	%100
95	M94	X	-.626	-.626	0	%100
96	M94	Z	-1.085	-1.085	0	%100
97	M95	X	-.376	-.376	0	%100
98	M95	Z	-.652	-.652	0	%100

Member Distributed Loads (BLC 87 : BLC 39 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M17	Y	-21.925	-12.924	0	1.302
2	M17	Y	-12.924	-3.923	1.302	2.604
3	M23	Y	-53.381	-12.924	0	1.747
4	M32A	Y	-.836	-20.117	1.164	1.747
5	M32A	Y	-20.117	-34.379	1.747	2.329
6	M32A	Y	-34.379	-24.344	2.329	2.911
7	M27	Y	-21.925	-12.924	0	1.302
8	M27	Y	-12.924	-3.923	1.302	2.604
9	M32A	Y	-16.085	-6.462	1.164	2.911
10	M33A	Y	-39.726	-26.579	0	1.747
11	M112A	Y	-.836	-20.117	1.164	1.747
12	M112A	Y	-20.117	-34.379	1.747	2.329
13	M112A	Y	-34.379	-24.344	2.329	2.911
14	M40	Y	-21.925	-12.924	0	1.302
15	M40	Y	-12.924	-3.923	1.302	2.604
16	M112A	Y	-16.085	-6.462	1.164	2.911
17	M113A	Y	-53.381	-12.924	0	1.747
18	M22	Y	-.836	-20.117	1.164	1.747
19	M22	Y	-20.117	-34.379	1.747	2.329
20	M22	Y	-34.379	-24.344	2.329	2.911
21	M22	Y	-16.085	-6.462	1.164	2.911

Member Distributed Loads (BLC 88 : BLC 40 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M17	Y	-38.735	-22.832	0	1.302
2	M17	Y	-22.832	-6.93	1.302	2.604
3	M23	Y	-94.306	-22.832	0	1.747

Member Distributed Loads (BLC 88 : BLC 40 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
4	M32A	Y	-1.477	-35.54	1.164	1.747
5	M32A	Y	-35.54	-60.737	1.747	2.329
6	M32A	Y	-60.737	-43.008	2.329	2.911
7	M27	Y	-38.735	-22.832	0	1.302
8	M27	Y	-22.832	-6.93	1.302	2.604
9	M32A	Y	-28.417	-11.416	1.164	2.911
10	M33A	Y	-70.183	-46.956	0	1.747
11	M112A	Y	-1.477	-35.54	1.164	1.747
12	M112A	Y	-35.54	-60.737	1.747	2.329
13	M112A	Y	-60.737	-43.008	2.329	2.911
14	M40	Y	-38.735	-22.832	0	1.302
15	M40	Y	-22.832	-6.93	1.302	2.604
16	M112A	Y	-28.417	-11.416	1.164	2.911
17	M113A	Y	-94.306	-22.832	0	1.747
18	M22	Y	-1.477	-35.54	1.164	1.747
19	M22	Y	-35.54	-60.737	1.747	2.329
20	M22	Y	-60.737	-43.008	2.329	2.911
21	M22	Y	-28.417	-11.416	1.164	2.911

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N38A	N54	N56	N134A	Y	A-B	-.009
2	N54	N79A	N83	N56	Y	A-B	-.009
3	N64	N79A	N83	N135A	Y	A-B	-.009
4	N64	N80	N82	N135A	Y	A-B	-.009
5	N80	N182A	N183B	N82	Y	A-B	-.009
6	N182A	N38	N133A	N183B	Y	A-B	-.009
7	N38	N183A	N182B	N133A	Y	A-B	-.009
8	N183A	N53	N57	N182B	Y	A-B	-.009
9	N53	N38A	N134A	N57	Y	A-B	-.009

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N38A	N54	N56	N134A	Y	A-B	-.016
2	N54	N79A	N83	N56	Y	A-B	-.016
3	N64	N79A	N83	N135A	Y	A-B	-.016
4	N64	N80	N82	N135A	Y	A-B	-.016
5	N80	N182A	N183B	N82	Y	A-B	-.016
6	N182A	N38	N133A	N183B	Y	A-B	-.016
7	N38	N183A	N182B	N133A	Y	A-B	-.016
8	N183A	N53	N57	N182B	Y	A-B	-.016
9	N53	N38A	N134A	N57	Y	A-B	-.016

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	N45	max	886.754	10	550.218	7	6917.172	1	.408	7	1.309	4	.213	4
2		min	-891.964	4	-577.457	1	-3623.608	7	-.262	1	-1.309	10	-.212	10
3	N41	max	5958.198	9	540.194	3	1702.344	3	.17	11	1.273	12	.223	9
4		min	-3057.575	3	-575.521	9	-3371.191	9	-.236	5	-1.271	6	-.343	3
5	N67	max	3352.01	11	634.129	11	2028.929	11	.294	2	1.269	8	.318	1
6		min	-6205.726	5	-555.2	5	-3676.538	5	-.366	8	-1.275	2	-.145	7
7	N184A	max	54.936	10	3750.925	13	810.756	7	0	75	0	10	.002	4
8		min	-54.982	4	-482.774	7	-6018.146	13	0	1	0	4	-.001	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
9	N187	max	639.925	3	3780.27	21	3033.287	21	.001	12	0	6	0	6
10		min	-5253.577	21	-438.964	3	-369.398	3	-.001	6	0	12	0	12
11	N190	max	5241.188	17	3771.51	17	3025.982	17	.001	1	0	1	0	1
12		min	-776.116	11	-534.829	11	-448.016	11	-.001	7	0	7	0	7
13	Totals:	max	5026.762	10	9796.344	22	5044.402	1						
14		min	-5026.766	4	2672.582	68	-5044.401	7						

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

	Member	Shape	Code Check	Loc[...	LC	Shear Check	Loc[ft]	Dir	LC	phi*Pnc...	phi*Pnt ...	phi*Mn ...	phi*Mn ...	Cb	Eqn
1	M39	PL5/8X6	.216	.426	7	.484	.426	y	23	102576....	121500	1.582	15.188	1...	H1-1b
2	M40	HSS3X3X6	.174	1.031	13	.082	.977	y	14	110880....	140346	11.213	11.213	1...	H1-1b
3	M43	HSS3X3X6	.131	3.875	4	.050	1.372	y	13	123182....	140346	11.213	11.213	2...	H1-1b
4	MP1A	PIPE_2.0	.351	6.49	5	.103	2.552		1	17855.0...	32130	1.872	1.872	2...	H1-1b
5	M112A	L2.5x1.5x4	.694	2.911	9	.040	0	z	21	16448.5...	30682.8	.461	1.597	2...	H2-1
6	M113A	L2.5x1.5x4	.683	2.911	16	.048	2.911	z	16	16448.5...	30682.8	.461	1.597	2...	H2-1
7	M32	PIPE_3.0	.145	.434	10	.168	0		20	58150.23	65205	5.749	5.749	1...	H1-1b
8	M33	PIPE_3.0	.187	2.939	10	.164	0		18	58150.23	65205	5.749	5.749	2...	H1-1b
9	M34	PIPE_3.0	.157	2.208	46	.077	4.417		9	58739.5...	65205	5.749	5.749	1...	H1-1b
10	M16	PL5/8X6	.210	.426	3	.484	.426	y	19	102576....	121500	1.582	15.188	1...	H1-1b
11	M17	HSS3X3X6	.176	1.031	21	.083	.977	y	22	110880....	140346	11.213	11.213	1...	H1-1b
12	M18	HSS3X3X6	.128	3.875	12	.050	1.372	y	21	123182....	140346	11.213	11.213	2...	H1-1b
13	M22	L2.5x1.5x4	.689	2.911	5	.040	0	z	17	16448.5...	30682.8	.461	1.597	2...	H2-1
14	M23	L2.5x1.5x4	.685	2.911	24	.048	2.911	z	24	16448.5...	30682.8	.461	1.597	2...	H2-1
15	M26	PL5/8X6	.218	.426	11	.471	.426	y	14	102576....	121500	1.582	15.188	1...	H1-1b
16	M27	HSS3X3X6	.175	1.031	17	.083	.977	y	18	110880....	140346	11.213	11.213	1...	H1-1b
17	M28	HSS3X3X6	.129	3.875	8	.067	3.875	z	2	123182....	140346	11.213	11.213	2...	H1-1b
18	M32A	L2.5x1.5x4	.680	2.911	1	.040	0	z	13	16448.5...	30682.8	.461	1.597	2...	H2-1
19	M33A	L2.5x1.5x4	.690	2.911	20	.049	2.911	z	20	16448.5...	30682.8	.461	1.597	2...	H2-1
20	M36	PIPE_3.0	.148	.434	5	.168	0		16	58150.23	65205	5.749	5.749	1...	H1-1b
21	M37	PIPE_3.0	.191	3.035	6	.161	0		14	58150.23	65205	5.749	5.749	2...	H1-1b
22	M38	PIPE_3.0	.130	2.3	6	.078	4.417		4	58739.5...	65205	5.749	5.749	2...	H1-1b
23	M39A	PIPE_3.0	.148	.434	1	.169	0		24	58150.23	65205	5.749	5.749	1...	H1-1b
24	M40A	PIPE_3.0	.181	2.939	2	.162	0		22	58150.23	65205	5.749	5.749	2...	H1-1b
25	M41	PIPE_3.0	.138	1.978	2	.080	4.417		1	58739.5...	65205	5.749	5.749	1...	H1-1b
26	MP2A	PIPE_2.5	.370	6.49	4	.139	6.49		6	33961.6...	50715	3.596	3.596	2...	H1-1b
27	MP3A	PIPE_2.0	.510	6.49	10	.098	6.49		10	17855.0...	32130	1.872	1.872	2...	H1-1b
28	MP4A	PIPE_2.0	.507	6.49	10	.132	6.49		8	17855.0...	32130	1.872	1.872	2.2	H1-1b
29	MP5A	PIPE_2.0	.362	6.49	10	.081	2.552		12	17855.0...	32130	1.872	1.872	2...	H1-1b
30	MP1C	PIPE_2.0	.371	6.49	12	.108	2.552		9	17855.0...	32130	1.872	1.872	2...	H1-1b
31	MP1B	PIPE_2.0	.353	6.49	8	.106	2.552		5	17855.0...	32130	1.872	1.872	2...	H1-1b
32	MP2B	PIPE_2.5	.364	6.49	8	.139	6.49		10	33961.6...	50715	3.596	3.596	2...	H1-1b
33	MP3B	PIPE_2.0	.495	6.49	2	.097	6.49		2	17855.0...	32130	1.872	1.872	2...	H1-1b
34	MP4B	PIPE_2.0	.507	6.49	2	.134	6.49		12	17855.0...	32130	1.872	1.872	2...	H1-1b
35	MP5B	PIPE_2.0	.359	6.49	1	.082	2.552		4	17855.0...	32130	1.872	1.872	2...	H1-1b
36	MP2C	PIPE_2.5	.385	6.49	12	.138	6.49		2	33961.6...	50715	3.596	3.596	2...	H1-1b
37	MP3C	PIPE_2.0	.520	6.49	6	.099	6.49		6	17855.0...	32130	1.872	1.872	2...	H1-1b
38	MP4C	PIPE_2.0	.507	6.49	6	.133	6.49		4	17855.0...	32130	1.872	1.872	2...	H1-1b
39	MP5C	PIPE_2.0	.373	6.49	6	.091	6.49		8	17855.0...	32130	1.872	1.872	2...	H1-1b
40	OVP	PIPE_2.0	.108	2.661	6	.018	2.661		6	27741.09	32130	1.872	1.872	1...	H1-1b
41	M71	PIPE_2.5	.265	10.6...	10	.145	11.531		6	12179.2...	50715	3.596	3.596	1...	H1-1b
42	M74	PIPE_2.5	.268	10.8...	7	.148	11.531		10	12179.2...	50715	3.596	3.596	1...	H1-1b
43	M77	L3X3X4	.566	0	5	.055	.027	y	12	40333.37	46656	1.688	3.756	2...	H2-1
44	M89	PIPE_2.5	.272	10.6...	11	.146	11.531		2	12179.2...	50715	3.596	3.596	1...	H1-1b
45	M90	L3X3X4	.546	0	7	.053	0	y	7	40333.37	46656	1.688	3.756	2...	H2-1
46	M91	L3X3X4	.561	0	9	.054	0	y	4	40333.37	46656	1.688	3.756	2...	H2-1

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

	Member	Shape	Code Check	Loc[...	LC	Shear Check	Loc[ft]	Dir	LC	phi*Pnc...	phi*Pnt ...	phi*Mn ...	phi*Mn ...	Cb	Eqn
47	M93A	LL3x3x3x6	.154	6.246	13	.009	6.246	z	4	46030.1...	70632	6.362	3.751	1	H1-1b*
48	M94	LL3x3x3x6	.155	6.246	21	.009	0	z	12	46030.1...	70632	6.362	3.751	1	H1-1b*
49	M95	LL3x3x3x6	.155	6.246	17	.009	6.246	z	8	46030.1...	70632	6.362	3.751	1	H1-1b*

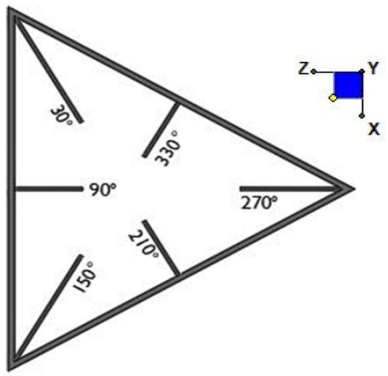
Client:	Verizon Wireless	Date:	11/3/2021
Site Name:	E GRANBY 2 CT		
Project No.	21777107A		
Title:	Antenna Mount Fix	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

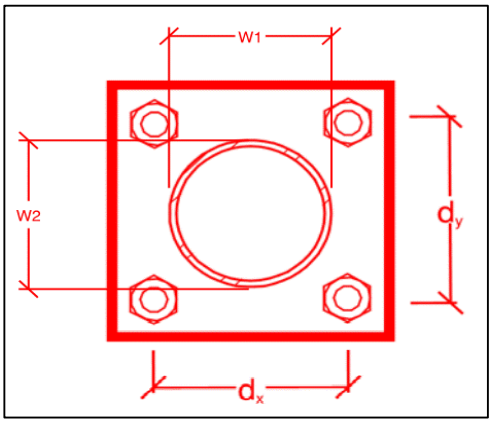
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N41	30
N67	150
N45	270



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)* :	4
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	4
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength (kips):	9.6
Required Shear Strength (kips):	3.3
Tensile Strength / bolt (kips):	20.7
Shear Strength / bolt (kips):	12.4
Tensile Capacity Overall:	**11.6%***
Shear Capacity Overall:	**6.6%**



**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):	6
Plate Height (in):	6
W1 (in):	3
W2 (in):	3
Fy (ksi, plate):	36
t_{Plate} (in):	0.75
Weld Size (1/16 in):	5
Phi*Rn (kip/in):	6.96
Required Weld Strength (kip/in):	1.47
Plate Bending Capacity:	**9.2%**
Weld Capacity:	**21.1%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)* :	0.2
Phi*Mn_{xx} *(kip-in)* :	27.3
Mu_{yy} *(kip-in)* :	2.4
Phi*Mn_{yy} *(kip-in)* :	27.3

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

Electronic pdf version of this can be downloaded at https://pmi.vzwsmart.com
For additional questions and support, please reach out to pmisupport@colliersengineering.com

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Purpose – to upload the proper documentation to the SMART Tool in order to allow the SMART Tool engineering vendor to complete the required Mount Desktop review of the Post Modification Inspection Report.

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

Base Requirements:

- If installation of the modification will cause damage to the structure, the climbing facility, or safety climb if present or any installed system, SMART Tool vendor to be notified prior to install. Any special photos outside of the standard requirements will be indicated on the drawings.
- Provide "as built drawings" showing contractor's name, preparer's signature, and date. Any deviations from the drawings (proposed modification) shall be shown. NOTE: If loading is different than what is conveyed in the post-modification passing mount analysis (MA) contact the SMART Tool vendor immediately.
- Each photo shall be time and date stamped.
- Photos should be high resolution.
- Contractor shall ensure that the safety climb wire rope is 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. If there is conflict, contact the SMART Tool engineer for recommendations.
- The PMI can be accessed at the following portal: **https://pmi.vzwsmart.com**

Photo Requirements:

- *Photos taken at ground level*
  - Photo of Gate Signs showing the tower owner, site name, and number.
  - Overall tower structure after installation of the modifications.
  - Photos of the mount 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 the safety climb wire rope above and below the mount prior to modification.
  - Photos showing the climbing facility and safety climb if present.
  - Photos showing each individual sector after installation of modifications. Each entire sector must be in one photo to show the interconnection of members.

These photos shall also certify that the placement and geometry of the equipment on the mount is as depicted in the antenna placement diagram in this form.

- Photos that show the model number of each antenna and piece of equipment installed per sector.
- Photos of each installed modification per the modification drawings; pictures shall also include connection hardware (U-bolts, bolts, nuts, all-threaded rods, etc.)
- Photos showing the distances (relative distance between collars) of the installed modifications from the appropriate reference locations shown in the modification drawings.
- Photos showing the installed modifications onto the tower (i.e. ring/collar mounts, tie-backs, V-bracing kits, etc.); if the existing mount elevation needs to be changed according to the modification drawings, an elevation measurement shall be provided before the elevation change.

Material Certification:

- Materials utilized must be as per specification on the drawings or the equivalent as validated by the SMART Tool vendor.
  - If the materials are as specified on the drawings

    The contractor shall provide the packing list, or the materials certifications for the materials utilized to perform the mount modification
    Commscope, Metrosite, Perfect Vision, Sabre, and Site Pro have all agreed to support Verizon vendors with the necessary material certifications
  - If seeking permission to use an equivalent

    It is required that the SMART Tool engineering vendor approval of such is included in the contractor submission package. There may be an additional charge for approval if the equivalent submission doesn't meet specifications as prescribed in the drawings.

☐ All hardware has been properly installed, and the existing hardware was inspected.

☐ The material utilized was as specified on the SMART Tool engineering vendor Mount Modification Drawings and included in the material certification folder is a packing list or invoice for these materials.

OR

☐ The material utilized was approved by a SMART Tool as an "equivalent" and this approval is included as part of the contractor submission.

Antenna & equipment placement and Geometry Confirmation:

☐ The contractor certifies that the photos support and the equipment on the mount is as depicted on the sketch and table included in this form and with the mount analysis provided.

OR

☐ The contractor notes that the equipment on the mount is not in accordance with the sketch and has noted the differences below and provided photo documentation of any alterations.

Comments:

Certifying Individual:

Company:	
Employee Name:	
Contact Phone:	
Email:	
Date:	

Was the mount modification completed in conjunction with the equipment change / installation?

☐ Yes ☐ No

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

Issue:

Install proposed OVP unit directly to the existing standoff OVP pipe.

Response:

Contractor certifies that the climbing facility / safety climb was not damaged during installation:

☐ Yes ☐ No

Comments:

Structure: 468906-VZW - E GRANBY 2 CT

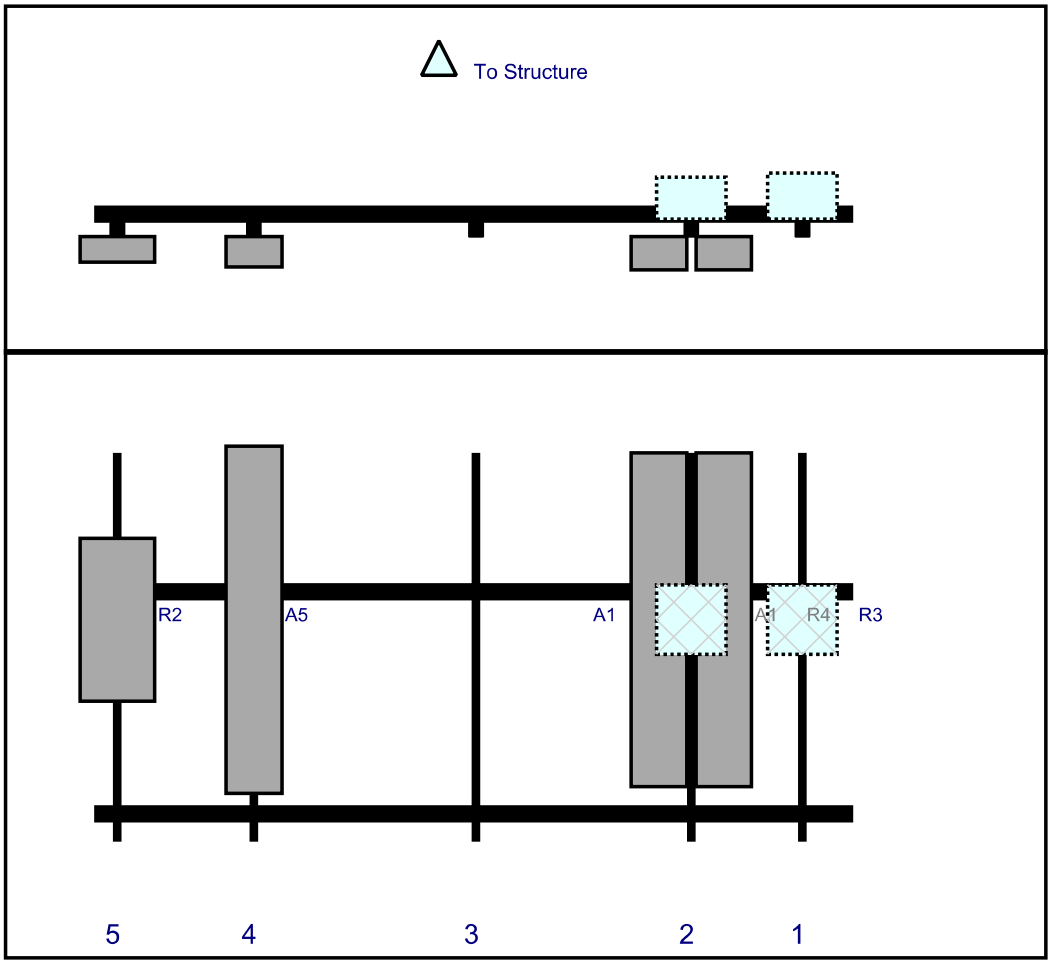
Sector: **A** 11/3/2021

Structure Type: Monopole 10101462

Mount Elev: 114.50 Page: 1

Plan View

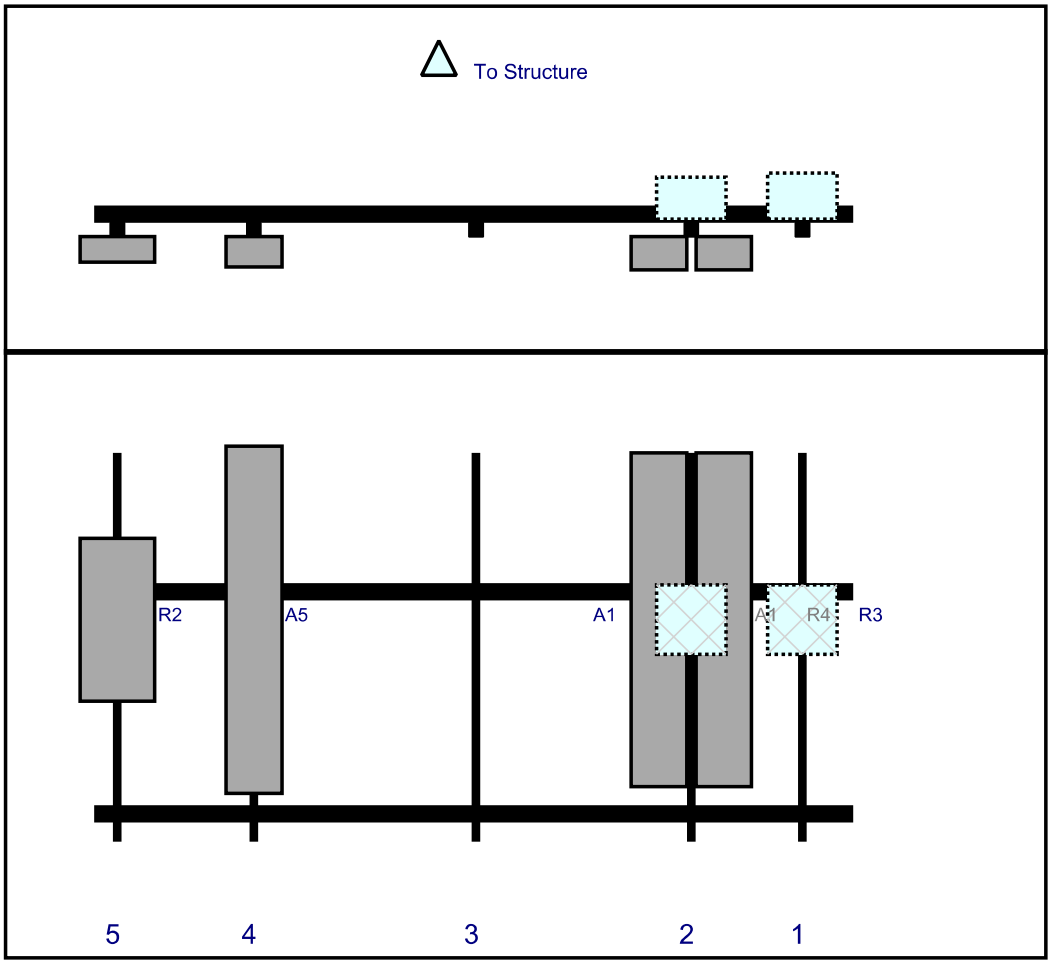
Front View
Looking at Structure



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
R3	RF4439d-25A	15	15	153	1	a	Behind	36	0	Added	
A1	NHH-65B-R2B	72	11.9	129	2	a	Front	36	7	Added	
A1	NHH-65B-R2B	72	11.9	129	2	b	Front	36	-7	Added	
R4	RF4440d-13A	15	15	129	2	a	Behind	36	0	Added	
A5	HBXX-6517DS-A2M	74.9	12	34.5	4	a	Front	36	0	Retained	02/24/2021
R2	MT6407-77A	35.1	16.1	5	5	a	Front	36	0	Added	

Plan View

Front View
Looking at Structure



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A5	HBXX-6517DS-A2M	74.9	12	34.5	4	a	Front	36	0	Retained	02/24/2021
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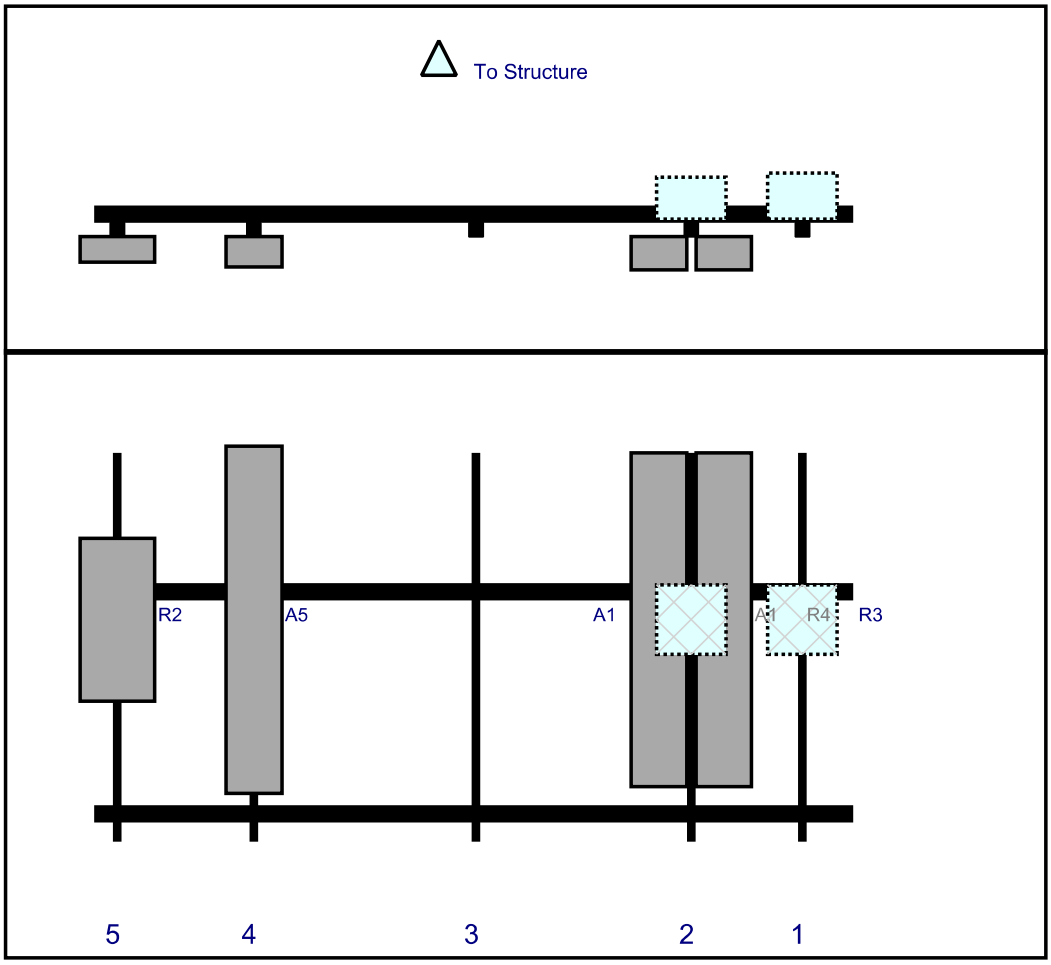
Plan View

Front View
Looking at Structure



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R2	MT6407-77A	35.1	16.1	5	5	a	Front	36	0	Added	

Maser Consulting Connecticut

Subject	TIA-222-H Usage	
Site Information	*Site ID:*	*468906-VZW / E GRANBY 2 CT*
	Site Name:	*E GRANBY 2 CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*56 Floydville Road* *East Granby, Connecticut 06026* *Hartford County*
	Latitude:	*41.928650°*
	Longitude:	*-72.776100°*
Structure Information	*Tower Type:*	*120-Ft Monopole*
	Mount Type:	*13.67-Ft Platform*
	FUZE ID # 16272242	

To Whom It May Concern,

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

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

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

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

Sincerely,

Digitally signed by Justin Linette
Date: 2021.11.04 12:56:44-04'00'

Justin Linette, PE
Sr. Technical Manager

verizon

MOUNT MODIFICATION DRAWINGS
EXISTING 13.67' PLATFORM

TOWER OWNER: SBA TOWERS
TOWER OWNER SITE NUMBER: CT03801-S

CARRIER SITE NAME: E GRANBY 2 CT
CARRIER SITE NUMBER: 468906
FUZE ID: 16272242

56 FLOYDVILLE ROAD
EAST GRANBY, CT 06026
HARTFORD COUNTY

LATITUDE: 41.928650° N
LONGITUDE: 72.776100° W

DESIGN CRITERIA

WIND LOADS

BASIC WIND SPEED (3 SECOND GUST), V = 115 MPH
EXPOSURE CATEGORY C
TOPOGRAPHIC CATEGORY 1
MEAN BASE ELEVATION (AMSL) = 651.07'

ICE LOADS

ICE WIND SPEED (3 SECOND GUST), V = 50 MPH
ICE THICKNESS = 1.50 IN

SEISMIC LOADS

SEISMIC DESIGN CATEGORY B
SHORT TERM MCER GROUND MOTION, S_S = .171
LONG TERM MCER GROUND MOTION, S_1 = .054

PROJECT INFORMATION

APPLICANT/LESSEE

COMPANY: VERIZON WIRELESS

CLIENT REPRESENTATIVE

COMPANY: VERIZON WIRELESS

PROJECT MANAGER

COMPANY: MASER CONSULTING CONNECTICUT
CONTACT: PETER ALBANO
PHONE: 856-797-0412
E-MAIL: PETER.ALBANO@COLLIERSENGINEERING.COM

CONTRACTOR PMI REQUIREMENTS

PMI LOCATION: HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #: 10101462
VZW LOCATION CODE (PSLC): 468906
ANALYSIS DATE: 11/3/2021

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

SHEET INDEX

SHEET	DESCRIPTION
ST-1	TITLE SHEET
SBOM-1	BILL OF MATERIALS
SGN-1	GENERAL NOTES
SCF-1	CLIMBING FACILITY DETAIL
SS-1	MODIFICATION DETAILS
SS-2	MOUNT PHOTOS
	SPECIFICATION SHEETS

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FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE:	JOB NUMBER:
AS SHOWN	21777107A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
-	-	-	-	-
-	-	-	-	-
1	11/03/2021	ISSUED FOR CONSTRUCTION	N.	PMA
0	9/13/2021	ISSUED FOR CONSTRUCTION	MSG	PMA

Digitally signed by Justin Peter Linette
Date: 2021.11.04 12:58:33 -04'00'

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE RESPONSIBLE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SITE NAME:
E GRANBY 2 CT
468906
56 FLOYDVILLE ROAD
EAST GRANBY, CT 06026
HARTFORD COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE: TITLE SHEET

SHEET NUMBER: ST-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

BILL OF MATERIALS

SECTION 1 - VZWSMART KITS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
3	VZWSMART	VZWSMART-PLK3	SUPPORT RAIL CORNER BRACKET		30	90
1		VZWSMART-PLK5	KICKER KIT	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1	291	291
1		VZWSMART-PLK7	MONOPOLE COLLAR MOUNT ASSEMBLY		150	150
15		VZWSMART-MSK1	CROSSOVER PLATE		14	210
12		VZWSMART-MSK2	CROSSOVER PLATE		15	180

SECTION 2 - OTHER REQUIRED PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
3	-	-	168" LONG, P2 1/2 STD	GALVANIZED	75	225
3	-	-	36" LONG, L3X3x1/4	GALVANIZED; CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1.	13	39
					TOTAL:	1185

VZWSMART KITS - APPROVED VENDORS

COMMSCOPE	
CONTACT	SALVADOR ANGUIANO
PHONE	(817) 304-7492
EMAIL	SALVADOR.ANGUIANO@COMMSCOPE.COM
WEBSITE	WWW.COMMSCOPE.COM
METROSITE FABRICATORS, LLC	
CONTACT	KENT RAMEY
PHONE	(706) 335-7045 (O), (706) 982-9788 (M)
EMAIL	KENT@METROSITELLC.COM
WEBSITE	METROSITEFABRICATORS.COM
PERFECTVISION	
CONTACT	WIRELESS SALES
PHONE	(844) 887-6723
EMAIL	WWW.PERFECT-VISION.COM
WEBSITE	WIRELESSSALES@PERFECT-VISION.COM
SABRE INDUSTRIES, INC.	
CONTACT	ANGIE WELCH
PHONE	(866) 428-6937
EMAIL	AKWELCH@SABREINDUSTRIES.COM
WEBSITE	WWW.SABRESITESOLUTIONS.COM
SITE PRO 1	
CONTACT	PAULA BOSWELL
PHONE	(972) 236-9843
EMAIL	PAULA.BOSWELL@VALMONT.COM
WEBSITE	WWW.SITEPRO1.COM

NOTES:

1. THE MANUFACTURERS LISTED ARE THE APPROVED VENDORS FOR THE VZW MOUNT KITS. EACH MANUFACTURER WILL BE AWARE OF WHICH KITS HAVE BEEN THROUGH THE VZW APPROVAL PROCESS AND THEY ARE IN TURN APPROVED TO SELL. PLEASE NOTE THAT THE MATERIAL UTILIZED ON THE MOUNT MODIFICATIONS WILL BE REVIEWED AS A PART OF THE DESKTOP PMI COMPLETED BY THE SMART TOOL VENDOR. IT WILL BE REQUIRED THAT THE VZW KITS SPECIFIED ARE UTILIZED IN THE MODIFICATIONS.
2. ALL MATERIALS REQUIRED FOR THE DESIGNED MODIFICATIONS BUT NOT LISTED IN THIS SHEET ARE ASSUMED TO BE PROVIDED BY THE CONTRACTOR.

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2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE: BILL OF MATERIALS

SHEET NUMBER: SBOM-1

PROJECT NOTES

1. SEE MODIFICATION NOTES
2. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITY COMPANIES OR OTHER PUBLIC/GOVERNING AUTHORITIES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR MUNICIPAL AUTHORITIES.
4. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER, IN WRITING, OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BIDS OR PERFORMANCE OF WORK.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SITE IMPROVEMENTS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGE AS A RESULT OF CONSTRUCTION OF THIS FACILITY AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
6. THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED TO COMPLETE THIS PROJECT. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
7. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING THE BID TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND CONSTRUCTION DRAWINGS.
8. THE CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THESE DRAWINGS MUST BE VERIFIED. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
9. SINCE THE CELL SITE MAY BE ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE REQUIRED TO BE WORN TO ALERT OF ANY POTENTIALLY DANGEROUS EXPOSURE LEVELS.
10. NO NOISE, SMOKE, DUST OR ODOR WILL RESULT FROM THIS FACILITY AS TO CAUSE A NUISANCE.
11. THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION (NO HANDICAP ACCESS IS REQUIRED).

GENERAL NOTES

1. THESE MODIFICATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE TELECOMMUNICATIONS INDUSTRY STANDARD TIA-222-H. MATERIALS AND SERVICES PROVIDED BY THE CONTRACTOR SHALL CONFORM TO THE ABOVE MENTIONED CODES.
2. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT DAMAGE TO EXISTING STRUCTURES. ANY DAMAGE TO EXISTING STRUCTURES AS A RESULT OF THE CONTRACTOR'S WORK OR FROM DAMAGE DUE TO OTHER CAUSES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS BEFORE BEGINNING WORK, ORDERING MATERIAL, AND PREPARING OF SHOP DRAWINGS. ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER. IF THE CONTRACTOR DISCOVERS ANY EXISTING CONDITIONS THAT ARE NOT REPRESENTED ON THESE DRAWINGS, OR ANY CONDITIONS THAT WOULD INTERFERE WITH THE INSTALLATION OF THE MODIFICATIONS, NOTIFY THE ENGINEER IMMEDIATELY.
4. IT IS ASSUMED THAT ANY STRUCTURAL MODIFICATION WORK SPECIFIED ON THESE PLANS WILL BE ACCOMPLISHED BY KNOWLEDGEABLE WORKMEN WITH TOWER CONSTRUCTION EXPERIENCE.
5. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION METHODS, MEANS, TECHNIQUES, SEQUENCES, AND PROCEDURES.
6. ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN AND SHALL MEET ANSI/TIA-322 (LATEST EDITION), OSHA, AND GENERAL INDUSTRY STANDARDS. ALL RIGGING PLANS SHALL ADHERE TO ANSI/TIA-322 (LATEST EDITION) INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION.
7. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PROGRAMS IN ACCORDANCE WITH APPLICABLE SAFETY CODES.
8. WORK SHALL ONLY BE PERFORMED DURING CALM DRY DAYS (WINDS LESS THAN 30-MPH). THE STRUCTURE SHOWN ON THE DRAWINGS IS STRUCTURALLY SOUND ONLY IN THE COMPLETED FORM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STRENGTH AND STABILITY OF THE STRUCTURE DURING ERECTION. CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT, SHORING, BRACING AND ANY OTHER STRUCTURAL SYSTEMS AS REQUIRED TO RESIST ALL FORCES THAT MAY OCCUR DURING HANDLING AND ERECTION UNTIL THE STRUCTURE IS FULLY COMPLETED. TEMPORARY SUPPORTS, BRACING AND OTHER STRUCTURAL SYSTEMS REQUIRED DURING CONSTRUCTION SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER THEIR USE.
9. ALL INSTALLATIONS PERFORMED ON THIS STRUCTURE SHALL BE COMPLETED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE STANDARD FOR INSTALLATION, ALTERATION AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS, ANSI/TIA-322.
10. CONTRACTOR SHALL SECURE SITE BACK TO EXISTING CONDITION UNDER SUPERVISION OF OWNER. ALL FENCE, STONE, GEOFABRIC, GROUNDING, AND SURROUNDING GRADE SHALL BE REPLACED AND REPAIRED AS REQUIRED TO ACHIEVE OWNER APPROVAL. POSITIVE DRAINAGE AWAY FROM TOWER SITE SHALL BE MAINTAINED.
11. CONNECTIONS BETWEEN ITEMS SUPPORTED BY THE STRUCTURE AND THE STRUCTURE NOT SPECIFICALLY DETAILED IN THE CONTRACT DOCUMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR. SUCH CONNECTIONS SHALL BE DESIGNED, COORDINATED AND INSPECTED BY A PROFESSIONAL STRUCTURAL ENGINEER LICENSED IN THE STATE OF THE PROJECT. SUBMIT SIGNED AND SEALED CALCULATIONS DURING SHOP DRAWING REVIEW.
12. DO NOT SCALE DRAWINGS.
13. DO NOT USE THESE DRAWINGS FOR ANY OTHER SITE.
14. ALL MATERIAL UTILIZED FOR THIS PROJECT MUST BE NEW AND FREE OF ANY DEFECTS. ANY MATERIAL SUBSTITUTIONS, INCLUDING BUT NOT LIMITED TO ALTERED SIZE AND/OR STRENGTHS, MUST BE APPROVED BY THE OWNER AND ENGINEER IN WRITING.
15. THE MOUNT UNDER NO CIRCUMSTANCES SHOULD BE USED AS A TIE OFF POINT.

STRUCTURAL STEEL

1. DESIGN, DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING PUBLICATIONS EXCEPT AS SPECIFICALLY INDICATED IN THE CONTRACT DOCUMENTS.
   a. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) MANUAL OF STEEL CONSTRUCTION (15TH EDITION)
   b. SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS
   c. AISC CODE OF STANDARD PRACTICE
2. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING UNLESS OTHERWISE SHOWN:

CHANNELS, ANGLES, PLATES, ETC.	ASTM A36 (GR 36)
STEEL PIPE	ASTM A53 (GR 35)
BOLTS	ASTM A325
NUTS	ASTM A563
LOCK WASHERS	LOCKING STRUCTURAL GRADE

3. ALL SUBSTITUTIONS PROPOSED BY THE CONTRACTOR SHALL BE APPROVED IN WRITING BY THE ENGINEER. CONTRACTOR SHALL PROVIDE DOCUMENTATION TO ENGINEER FOR VERIFYING THE SUBSTITUTE IS SUITABLE FOR USE AND MEETS ORIGINAL DESIGN CRITERIA. DIFFERENCES FROM THE ORIGINAL DESIGN, INCLUDING MAINTENANCE, REPAIR AND REPLACEMENT, SHALL BE NOTED. ESTIMATES OF COSTS/CREDITS ASSOCIATED WITH THE SUBSTITUTION (INCLUDING RE-DESIGN COSTS AND COSTS TO SUB-CONTRACTORS) SHALL BE PROVIDED TO THE ENGINEER. CONTRACTOR SHALL PROVIDE ADDITIONAL DOCUMENTATION AND/OR SPECIFICATIONS TO THE ENGINEER AS REQUESTED.
4. PROVIDE STRUCTURAL STEEL SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
   a. SUBMIT SHOP DRAWINGS TO

      PETER.ALBANO@COLLIERSENGINEERING.COM

   b. PROVIDE MASER CONSULTING CONNECTICUT PROJECT # AND MASER CONSULTING CONNECTICUT PROJECT ENGINEER CONTACT IN THE BODY OF THE EMAIL.
5. DRILL NO HOLES IN ANY NEW OR EXISTING STRUCTURAL STEEL MEMBERS OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.
6. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
7. ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER PROTECTION. IN ADDITION ALL NEW STEEL SHALL BE PAINTED TO MATCH EXISTING STEEL. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
8. CONTRACTOR SHALL PROTECT CUT ENDS OF ALL FIELD-CUT STEEL WITH TWO (2) COATS OF COLD GALVANIZATION (ZINGA OR ZINC COTE).
9. ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING REQUIRE LOCKING DEVICES TO BE INSTALLED IN ACCORDANCE WITH TIA-222-H SECTION 4.9.2 REQUIREMENTS.
10. WHERE CONNECTIONS ARE NOT FULLY DETAILED ON THESE DRAWINGS, FABRICATOR SHALL DESIGN CONNECTIONS TO RESIST LOADS AND FORCES WHERE SHOWN ON DRAWINGS AND AS OUTLINED IN SPECIFICATIONS.
11. FOR MEMBERS BEING REPLACED, PROVIDE NEW BOLTS AND MATCH EXISTING SIZE AND GRADE. MAINTAIN AISC REQUIREMENTS FOR MINIMUM BOLT DISTANCE AND SPACING.
12. ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE END OF THE BOLT IS AT LEAST FLUSH WITH THE FACE OF THE NUT. IT IS NOT PERMITTED FOR THE BOLT END TO BE BELOW THE FACE OF THE NUT AFTER TIGHTENING IS COMPLETED.
13. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
14. ALL EXISTING PAINTED/GALVANIZED SURFACES DAMAGED DURING REHAB INCLUDING AREAS UNDER STIFFENER PLATES SHALL BE WIRE BRUSHED CLEAN, REPAIRED BY COLD GALVANIZING (ZINGA OR ZINC COTE), AND REPAINTED TO MATCH THE EXISTING FINISH (IF APPLICABLE).
15. ALL HOLES IN STEEL MEMBERS SHALL BE SIZED 1/16" LARGER THAN THE BOLT DIAMETER. STANDARD HOLES SHALL BE USED UNLESS NOTED OTHERWISE.

WELDING NOTES

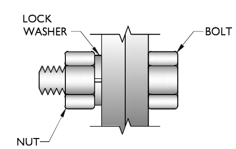
1. ALL WELDING SHALL BE DONE IN ACCORDANCE WITH AWS D1.0 (LATEST EDITION). THIS SHALL INCLUDE A CERTIFIED WELD INSPECTION (CWI) FOR ACCEPTANCE OR REJECTION OF ALL WELDING OPERATIONS, PRE, DURING, AND POST INSTALLATION, USING THE ACCEPTANCE CRITERIA OF AWS D1.1.
2. CONTRACTOR IS RESPONSIBLE FOR COMMISSIONING A THIRD PARTY CERTIFIED WELD INSPECTOR (CWI) THROUGHOUT THE ENTIRETY OF THE PROJECT. A PASSING CWI REPORT SHALL BE PROVIDED TO THE ENGINEER UPON COMPLETION OF THE PROJECT.
3. THE CERTIFIED WELD INSPECTOR SHALL INDICATE, IN A WRITTEN CWI REPORT, THAT ALL WELDING OPERATIONS PRE, DURING, AND POST INSTALLATION WERE CONDUCTED IN ACCORDANCE WITH AWS D1.1 WITH PHOTOGRAPHS AND DOCUMENTATION SUPPORTING THE ACCEPTANCE OR REJECTION OF ALL WELDING. ALL CWI WELD INSPECTION DOCUMENTATION AND PHOTOS SHALL BE SUBMITTED DURING THE PMI.
4. IN CASES WHERE A WELD IS SPECIFIED BETWEEN TWO MEMBERS IN WHICH THERE IS A GAP IN BETWEEN, THE WELD IS TO BE BUILT-UP SUCH THAT THE SIZE OF WELD ON THE MEMBER IS EQUAL TO THAT SHOWN IN THE DRAWINGS.
5. OXY FUEL GAS WELDING OR BRAZING IS STRICTLY PROHIBITED. SPECIFICALLY, NO TORCH CUTTING IS PERMITTED ON SITE. ALL HOLES SHALL BE CUT WITH A GRINDER.
6. CONTRACTOR SHALL EXERCISE CAUTION WHEN WELDING A GALVANIZED SURFACE.
7. CONTRACTOR SHALL HAVE A FIRE PROTECTION PLAN IN PLACE THAT CONFORMS WITH ALL OSHA, ANSI/ASSP A10.48, ANSI Z49.1, AND LOCAL JURISDICTIONAL REQUIREMENTS.

BOLT SCHEDULE (IN.)

BOLT DIAMETER	STANDARD HOLE	SHORT SLOT	MIN. EDGE DISTANCE	SPACING
1/2	9/16	9/16 x 11/16	7/8	1 1/2
5/8	11/16	11/16 x 7/8	1 1/8	1 7/8
3/4	13/16	13/16 x 1	1 1/4	2 1/4
7/8	15/16	15/16 x 1 1/8	1 1/2	2 5/8
1	1 1/16	1 1/16 x 1 5/16	1 3/4	3

WORKABLE GAGES (IN.)

LEG	GAGE
4	2 1/2
3 1/2	2
3	1 3/4
2 1/2	1 3/8
2	1 1/8

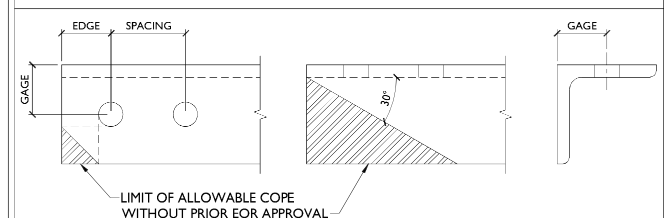


TYP. BOLT ASSEMBLY

NOTES:

1. ALL DIMENSIONS REPRESENTED IN THE ABOVE TABLES ARE AISC MINIMUM REQUIREMENTS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN FIELD AND NOTIFY ENGINEER IF DISTANCES ARE LESS THAN THOSE PROVIDED.
2. THE DIMENSIONS PROVIDED ARE MINIMUM REQUIREMENTS. ACTUAL DIMENSIONS OF PROPOSED MEMBERS WITHIN THESE DRAWINGS MAY VARY FROM THE AISC MINIMUM REQUIREMENTS.
3. SHORT SLOT HOLES SHALL ONLY BE USED WHEN DEPICTED IN THE DRAWINGS
4. MATCH EXISTING GAGES WHEN APPLICABLE, UNLESS MINIMUM EDGE DISTANCES ARE COMPROMISED.

ALLOWABLE COPING



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REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
-	-	-	-	-
-	-	-	-	-
1	11/03/2021	ISSUED FOR CONSTRUCTION	N.	PMA
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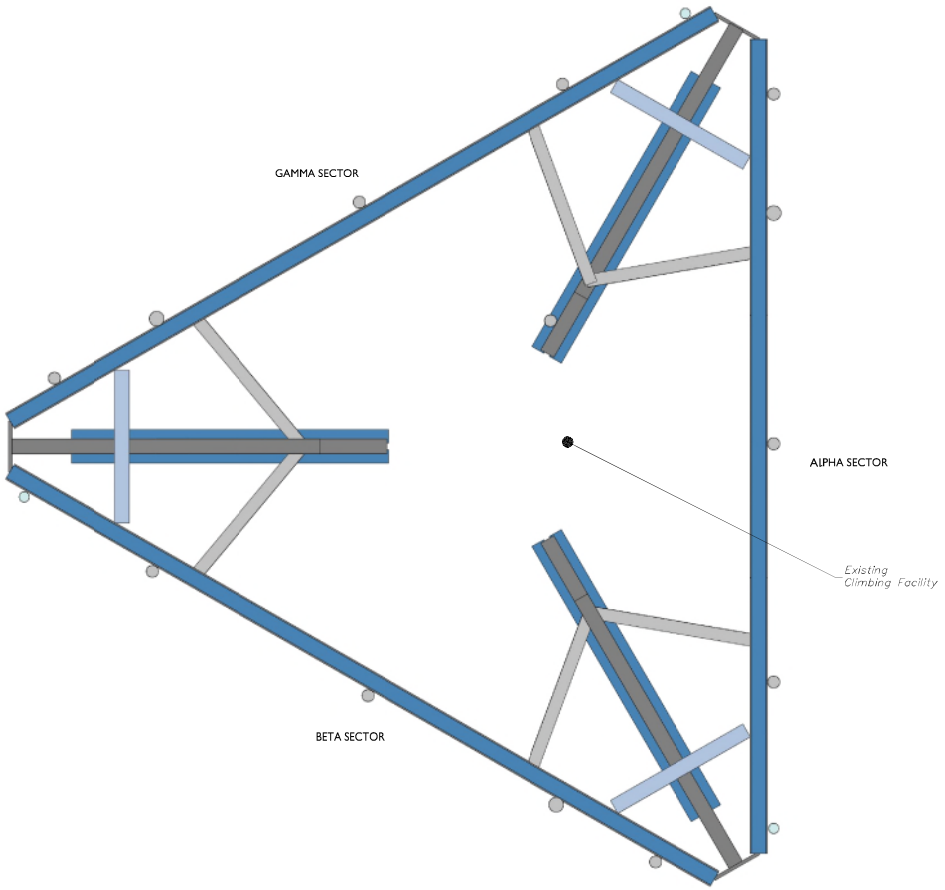
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054

Phone: 856.797.0412
Fax: 856.722.1120

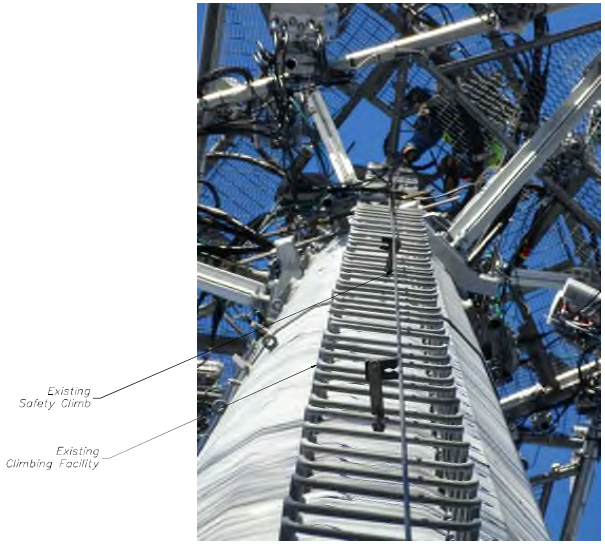
SHEET TITLE:
MODIFICATION NOTES

SHEET NUMBER:
SGN-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



1 CLIMBING FACILITY LOCATION
SCALE : N.T.S.



CLIMBING FACILITY PHOTO

STRUCTURAL NOTES:

1. PER THE MOUNT MAPPING COMPLETED BY STRUCTURAL COMPONENTS ON 2/24/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (114'-6") ARE IN GOOD CONDITION. MASER DOES NOT WARRANT THIS INFORMATION.

2. INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB, OR ANY SYSTEM INSTALLED ON THE STRUCTURE. TIMELY NOTICE AND DOCUMENTATION SHALL BE PROVIDED BY CONTRACTORS TO THE EOR (OF STRUCTURAL DESIGN) IF AN OBSTRUCTION WAS REQUIRED TO MEET THE RF SYSTEM DESIGN REQUIREMENTS AND PERFORMANCES.

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31965
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Date: 2021.11.04 12:58:31 -04'00'

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56 FLOYDVILLE ROAD
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HARTFORD COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE:
CLIMBING FACILITY DETAIL

SHEET NUMBER:
SCF-1

LEGEND:

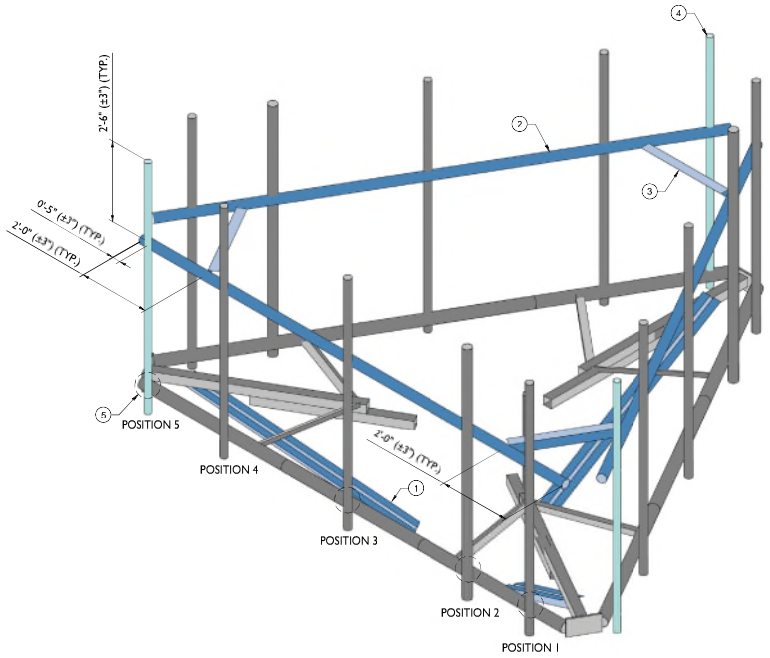
- PROPOSED
- RELOCATED
- EXISTING

MOUNT MODIFICATION SCHEDULE

NO.	ELEVATION	QUANTITY	DESCRIPTION	NOTES
1	114'-6"	1	PROPOSED KICKER KIT (PART #: VZWSMART-PLK5)	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1. CONNECT OTHER END OF KICKER KIT TO MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7).
2		3	168" LONG, P2 1/2 STD SUPPORT RAIL	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1. RADIO AND/OR TME POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE. CONNECT TO SUPPORT TAIL TO ALL EXISING AND RELOCATED MOUNT PIPES USING NEW CROSSOVER PLATES (VZWSMART-MSK1).
3		3	36" LONG, L3X3x1/4 BRACING	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1. CONTRACTOR SHALL CONNECT PROPOSED L3X3X1/4 ANGLES TO CORNER BRACKETS (PART #: VZWSMART-PLK3) USING THE PROVIDED (8) 5/8" DIA. BOLTS, (4) BOLTS PER CONNECTION.
4		3	RELOCATED MOUNT PIPE	RELOCATE MOUNT PIPE IN POSITION 5 (5") FROM END OF MOUNT TO MEET THE AIR6649 CLEARANCE.
5		12	CROSSOVER PLATE (VZWSMART-MSK2)	SWAP EXISTING CONNECTIONS BETWEEN EXISTING FACE HORIZONTAL AND EXISTING & RELOCATED MOUNTS PIPES IN PCSITIONS 1, 2 , 3 & 5 WITH CROSSOVER PLATE (PART #: VZWSMART-MSK2).

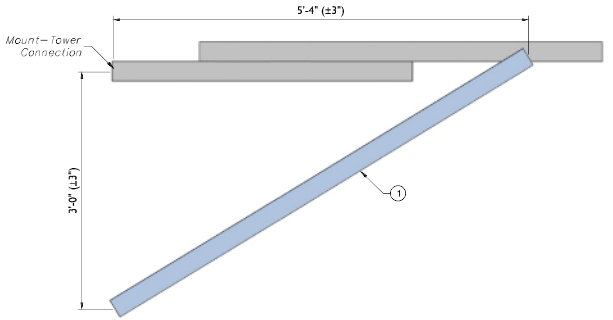
NOTES:

MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.



1 PROPOSED ISOMETRIC VIEW

SCALE : N.T.S.



2 PROPOSED SIDE ELEVATION VIEW (TYP. ALL SECTORS)

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SHEET TITLE:

MODIFICATION DETAILS

SHEET NUMBER:

SS-1

MOUNT PHOTO 1

MOUNT PHOTO 2

MOUNT PHOTO 3

MOUNT PHOTO 4

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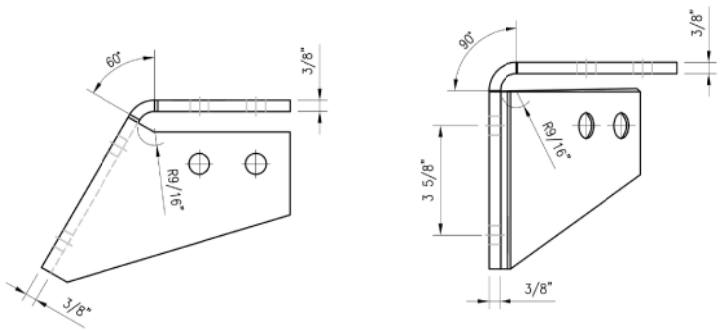
SHEET TITLE:

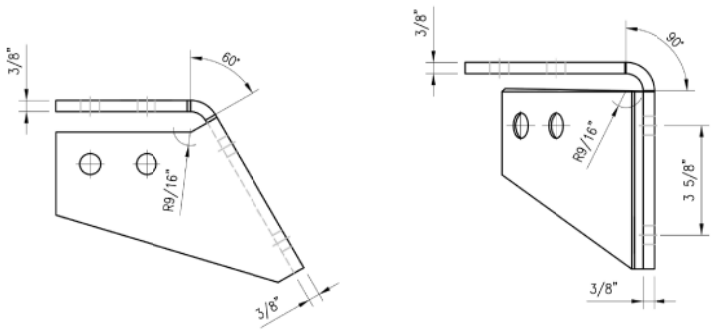
MOUNT PHOTOS

SHEET NUMBER:

SS-2



CBP-L



CBP-R

NOTES:
1. HOT-DIPPED GALVANIZED PER ASTM A123.

VZWSMART-PLK3 (SUPPORT RAIL CORNER BRACKET)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	CBP-L	CORNER BENT PLATE BRACKET	PLK3-F1	9
2	1	CBP-R	CORNER BENT PLATE BRACKET	PLK3-F1	9
3	4	MS02-625-300-500	RU-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC-1	5
4	8	---	BOLT 5/8" X 2" A325	---	3
5	16	PW-625	5/8" HDG USS FLAT WASHER	---	1
6	16	LW-625	5/8" HDG LOCK WASHER	---	0
7	16	NUT-625	5/8" HDG HEX NUT	---	2
				GALVANIZED WT	30

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DRAWN BY: H.R | CHECKED BY: HMA

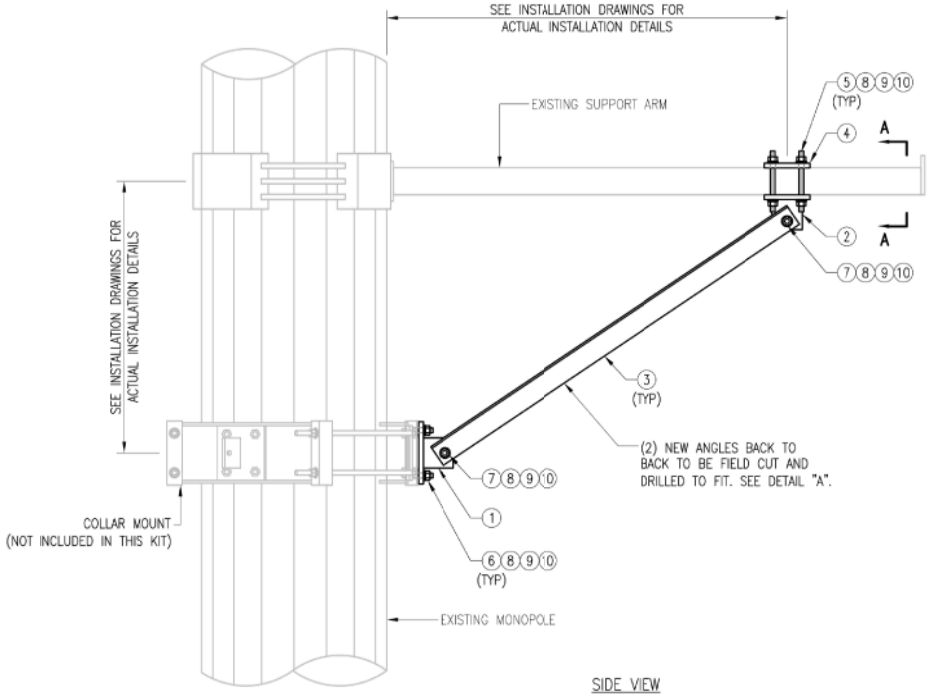
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	H.R	05/08/20

SHEET TITLE:
VZWSMART-PLK3
SUPPORT RAIL CORNER
BRACKET

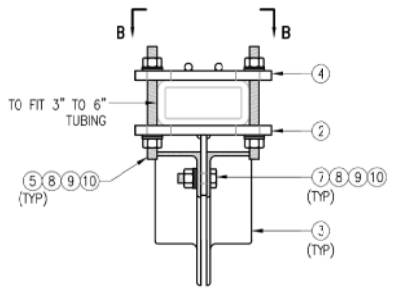
SHEET NUMBER: VZWSMART-PLK3

REV #: 0

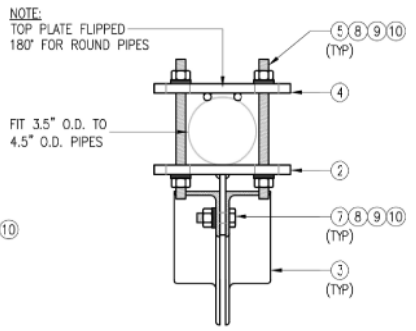
NOTE:
THE LOCATION OF KICKER AND EXISTING ANTENNA MOUNT SHOWN ON THE DRAWING IS FOR REPRESENTATION PURPOSE ONLY. SEE INSTALLATION DRAWINGS FOR ACTUAL INSTALLATION OF DETAILS.



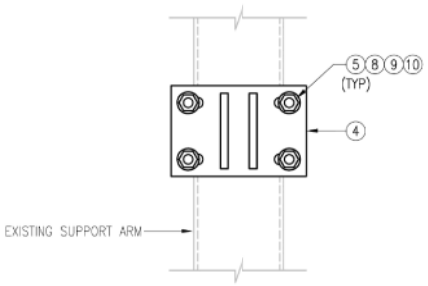
SIDE VIEW
KICKER KIT



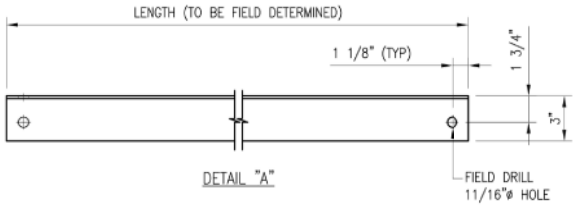
SECTION "A-A"
RECT. HSS MOUNTING



SECTION "A-A"
ROUND PIPE MOUNTING



SECTION "B-B"



DETAIL "A"

VZWSMART-PLK5 (KICKER KIT)					
ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	BRKW-XXX	BRACKET WELDMENT A36	PLK5-F3	43.8
2	3	BRKW-XXXX	BRACKET WELDMENT A36	PLK5-F2	35.7
3	6	L331875-8	L 3" X 3" X 3/16" X 8'-0" A36	PLK5-F4	182.9
4	3	PL-KI	PL 5/8" X 6" X 9" A36	PLK5-F1	29.0
5	12	---	THREADED ROD 5/8" DIA. X 1'-0" F1554-36 HDG	---	--
6	6	---	BOLT 5/8" X 2" A325	---	--
7	12	---	BOLT 5/8" X 2 1/2" A325	---	--
8	42	FW-625	5/8" HDG USS FLAT WASHER	---	3
9	42	LW-625	5/8" HDG LOCK WASHER	---	1
10	42	NUT-625	5/8" HDG HEX NUT	---	5
				GALVANIZED WT	291

NOTES:
1. ALL HOLES ARE 11/16" DIA. U.N.O
2. HOT-DIPPED GALVANIZED PER ASTM A123.
3. FIT UP TO 6" SQ. TUBING OR 4 1/2" O.D. PIPE

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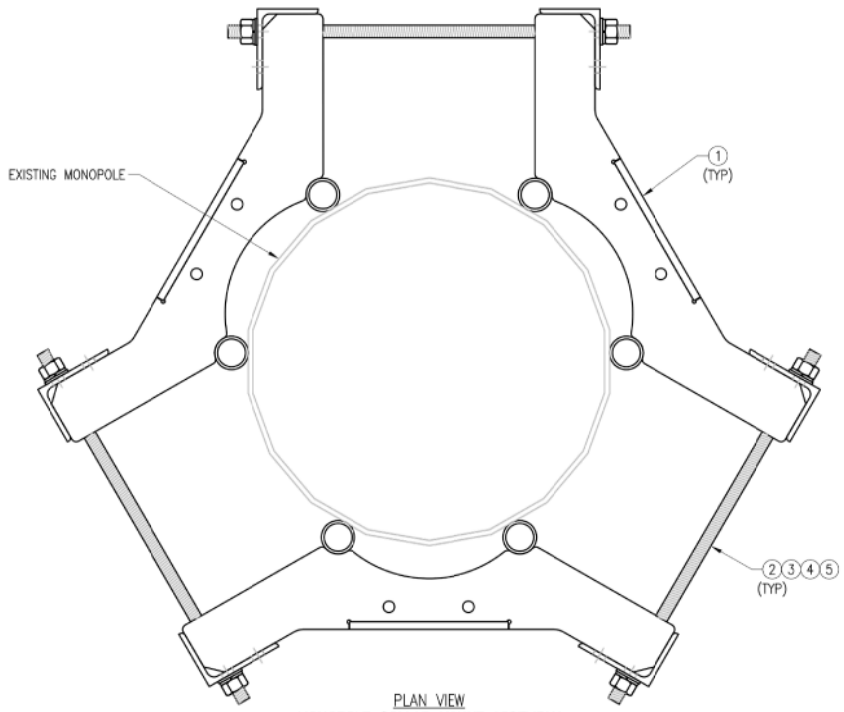
DRAWN BY: MN | CHECKED BY: HMA/KW

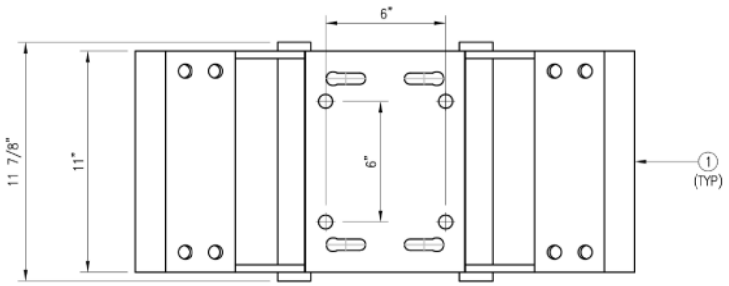
REV.	DESCRIPTION	BY	DATE
1	FIRST ISSUE	MN	05/08/20

SHEET TITLE:
VZWSMART-PLK5
KICKER KIT

SHEET NUMBER: VZWSMART-PLK5
REV #: 0



PLAN VIEW
MONOPOLE COLLAR MOUNT ASSEMBLY



FRONT VIEW

NOTES:
1. FIT 12" TO 45" DIA MONOPOLE.
2. HOT-DIPPED GALVANIZED PER ASTM A123.

VZWSMART-PLK7 (MONOPOLE COLLAR MOUNT ASSEMBLY)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	CM-1245	COLLAR MOUNT ASSEMBLY	PLK7-F1	147
2	6	---	THREADED ROD 5/8" X 4'-0" A193-B7	---	
3	12	FW-625	5/8" HDG USS FLAT WASHER	---	1
4	12	LW-625	5/8" HDG LOCK WASHER	---	0
5	12	NUT-625	5/8" HDG HEX NUT	---	1
				GALVANIZED WT	150

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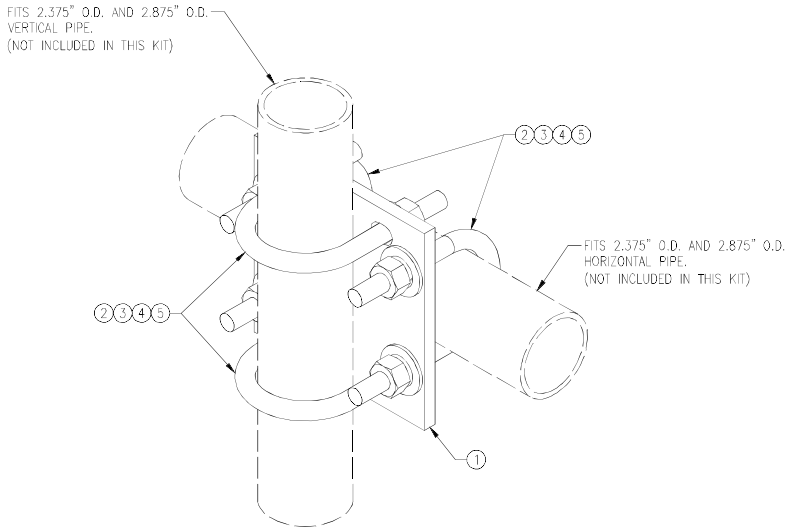
DRAWN BY: BT | CHECKED BY: HMA/KW

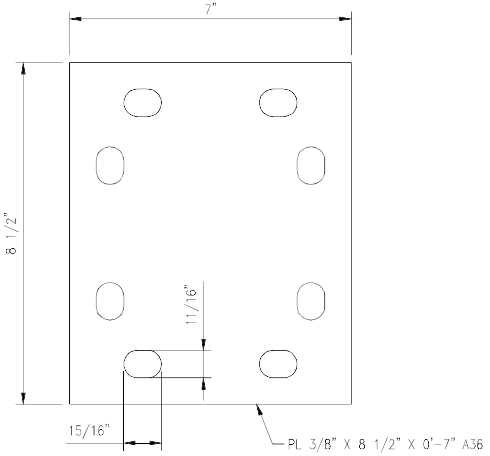
REV.	DESCRIPTION	BY	DATE
1	FIRST ISSUE	BT	05/11/20

SHEET TITLE:
VZWSMART-PLK7
MONOPOLE COLLAR
MOUNT ASSEMBLY

SHEET NUMBER: VZWSMART-PLK7

REV #: 0





PL375-857

NOTES:
1. HOT-DIPPED GALVANIZED PER ASTM A123.

VZWSMART-MSK1 (CROSSOVER PLATE)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	PL375-857	PL 3/8" X 8 1/2" X 0'-7" A36	MSK1-F1	6
2	4	MS02-625-300-500	RU-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC-1	5
3	8	FW-625	5/8" HDG USS FLAT WASHER	---	1
4	8	LW-625	5/8" HDG LOCK WASHER	---	0
5	8	NUT-625	5/8" HDG HEX NUT	---	1
				GALVANIZED WT	14

VzW SMART Tool© Vendor

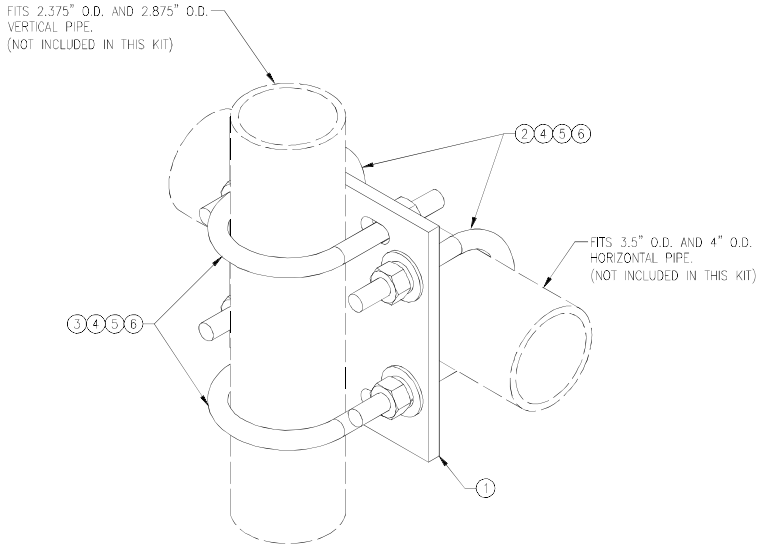
verizon

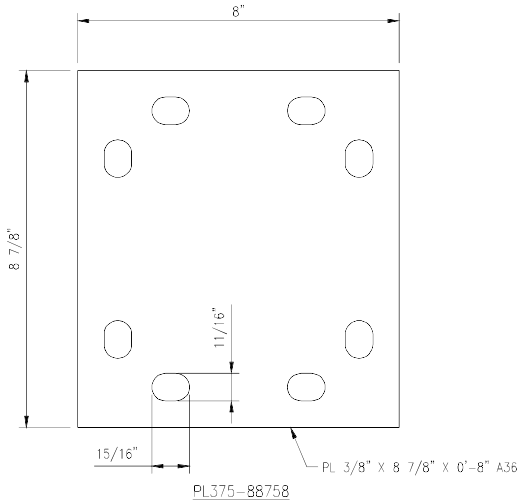
DRAWN BY: H.R	CHECKED BY: HMA

REV.	DESCRIPTION	BY	DATE
1	FIRST ISSUE	H.R	05/08/20

SHEET TITLE:
VZWSMART-MSK1
CROSSOVER PLATE

SHEET NUMBER:	REV #:
VZWSMART-MSK1	0





PL375-88758

VZWSMART-MSK2 (CROSSOVER PLATE)					
ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	PL375-88758	PL 3/8" X 8 3/4" X 0'-8" A36	MSK2-F1	8
2	2	MS02-625-4125-600	RU-BOLT 5/8" X 4 1/8" I.W. X 6" I.L. A36 (OR EQUIV.)	RBC-1	3
3	2	MS02-625-300-500	RU-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC-1	3
4	8	FW-625	5/8" HDG USS FLAT WASHER	---	1
5	8	LW-625	5/8" HDG LOCK WASHER	---	0
6	8	NUT-625	5/8" HDG HEX NUT	---	1
				GALVANIZED WT	15

NOTES:
1. HOT-DIPPED GALVANIZED PER ASTM A123.

VzW SMART Tool© Vendor

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DRAWN BY: H.R | CHECKED BY: HWA

REV.	DESCRIPTION	BY	DATE
1	FIRST ISSUE	H.R	05/08/20

SHEET TITLE:
VZWSMART-MSK2
CROSSOVER PLATE

SHEET NUMBER: VZWSMART-MSK2 | REV #: 0

ATTACHMENT 5

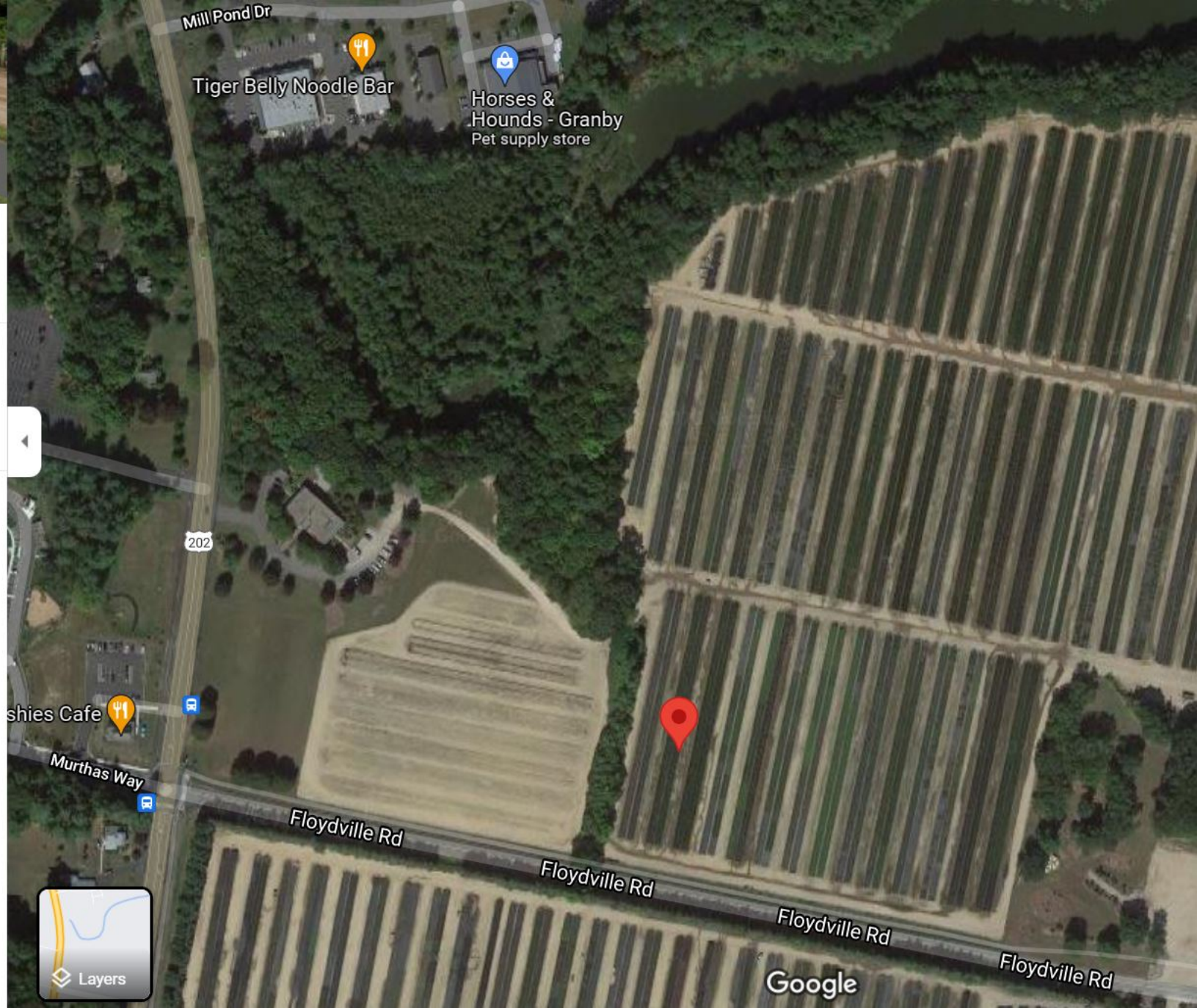
54 Floydville Rd

Granby, CT 06035

Directions | Save | Nearby | Send to your phone | Share

- Confirm or fix this location
  The location shown is not precise
- Suggest an edit on 54 Floydville Rd
- Add a missing place
- Add your business
- Add a label

Photos



54 FLOYDVILLE ROAD

Location	54 FLOYDVILLE ROAD	**Mblu**	15/ 10/ / /
Acct#	100469	**Owner**	D I PAINE & SONS LLC
Assessment	$1,222,600	**Appraisal**	$1,746,400
PID	649	**Building Count**	2

Current Value

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2018	$1,230,400	$516,000	$1,746,400
Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2018	$861,400	$361,200	$1,222,600

Owner of Record

Owner D I PAINE & SONS LLC
Co-Owner
Address 54 FLOYDVILLE ROAD
EAST GRANBY, CT 06026

Sale Price $0
Certificate
Book & Page 0160/0707
Sale Date 01/03/2006
Instrument CN

Ownership History

Ownership History					
Owner	**Sale Price**	**Certificate**	**Book & Page**	**Instrument**	**Sale Date**
D I PAINE & SONS LLC	$0		0160/0707	CN	01/03/2006
D I PAINE & SONS	$0		0129/0622		08/01/2001
TYLER RUSSELL	$0		0129/0616		08/01/2001
D I PAINE & SONS	$0		0108/0546		12/05/1995

Building Information

Building 1 : Section 1

Year Built: 1986
Living Area: 24,900
Replacement Cost: $1,292,584
Building Percent Good: 73

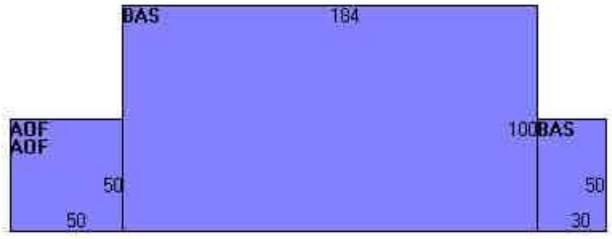
Replacement Cost Less Depreciation: $943,600

Building Attributes	
Field	**Description**
STYLE	Light Indust
MODEL	Industrial
Grade	Average +10
Stories:	1
Occupancy	2
Exterior Wall A	Concr/Cinder
Exterior Wall B	Pre-finsh Metl
Roof Structure	Gable/Hip
Roof Cover	Metal/Tin
Interior Wall A	Unfin/Minimum
Interior Wall B	Drywall
Interior Floor A	Concr-Finished
Interior Floor B	Vinyl/Asphalt
Heating Fuel	Gas
Heating Type	Forced Air-Duc
AC Type	Partial
Bldg Use	Industrial C
Total Rooms	
Total Bedrms	00
Total Baths	0
1st Floor Use:	3-1
Heat/AC	HEAT/AC SPLIT
Frame Type	STEEL
Baths/Plumbing	AVERAGE
Ceiling/Wall	-DESCRIPTION-
Rooms/Prtns	AVERAGE
Wall Height	16
% Comn Wall	0

Building Photo

(http://images.vgsi.com/photos/EastGranbyCTPhotos//\00\01\17

Building Layout



(http://images.vgsi.com/photos/EastGranbyCTPhotos//Sketches/

Building Sub-Areas (sq ft)			Legend
Code	**Description**	**Gross Area**	**Living Area**
BAS	First Floor	19,900	19,900
AOF	Office, (Average)	5,000	5,000
		24,900	24,900

Building 2 : Section 1

Year Built: 2017
Living Area: 10,200
Replacement Cost: $210,146
Building Percent Good: 74
Replacement Cost Less Depreciation: $155,500

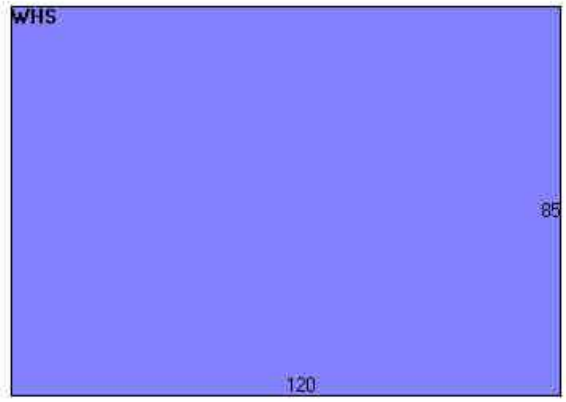
Building Attributes : Bldg 2 of 2	
Field	**Description**

STYLE	Warehouse
MODEL	Industrial
Grade	Minimum
Stories:	1
Occupancy	1
Exterior Wall A	VinylPolyester
Exterior Wall B	
Roof Structure	Irregular
Roof Cover	Rubber Mem
Interior Wall A	Unfin/Minimum
Interior Wall B	
Interior Floor A	Concr Abv Grad
Interior Floor B	
Heating Fuel	None
Heating Type	None
AC Type	None
Bldg Use	Industrial C
Total Rooms	
Total Bedrms	
Total Baths	0
1st Floor Use:	
Heat/AC	NONE
Frame Type	NONE
Baths/Plumbing	NONE
Ceiling/Wall	NONE
Rooms/Prtns	LIGHT
Wall Height	
% Comn Wall	

Building Photo

(http://images.vgsi.com/photos/EastGranbyCTPhotos//\00\01\17

Building Layout



(http://images.vgsi.com/photos/EastGranbyCTPhotos//Sketches/

Building Sub-Areas (sq ft)			Legend
Code	**Description**	**Gross Area**	**Living Area**
WHS	Warehouse	10,200	10,200
		10,200	10,200

Extra Features

Extra Features				Legend
Code	**Description**	**Size**	**Value**	**Bldg #**
MEZ	Mezzanine	2000 S.F.	$21,900	1
A/C	Air Condition	5000 S.F.	$9,100	1

Land

Land Use

Use Code 3-1
Description Industrial C

Land Line Valuation

Size (Acres) 17.3
Frontage 0

Zone	CP	**Depth**	0
Neighborhood		**Assessed Value**	$361,200
Alt Land Appr	No	**Appraised Value**	$516,000
Category			

Outbuildings

Outbuildings						Legend
Code	**Description**	**Sub Code**	**Sub Description**	**Size**	**Value**	**Bldg #**
SHED	Shed	A	Average	280 S.F.	$3,500	2
FNC	Chain Link Fence	08	8 Ft. Height	420 L.F.	$4,100	2
SHED	Shed	A	Average	96 S.F.	$900	1
PAV	Paving	A	Asphalt	73445 S.F.	$91,800	1

Valuation History

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2017	$939,700	$685,800	$1,625,500
2012	$750,900	$502,100	$1,253,000
2007	$547,900	$506,100	$1,054,000

Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2017	$657,800	$480,000	$1,137,800
2012	$525,700	$351,500	$877,200
2007	$383,500	$354,400	$737,900

ATTACHMENT 6

UNITED STATES POSTAL SERVICE®

EAST GRANBY 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	3	3	neopost 01/27/2022 US POSTAGE $002.99 ZIP 06103 041L12203937
	Postmaster, per *(name of receiving employee)*		

USPS® Tracking Number / Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	James Hayden, First Selectman Town of East Granby 9 Center Street East Granby, CT 06026				
2.	Gary Haynes, Director of Community Development Town of East Granby 9 Center Street East Granby, CT 06026				
3.	D.I. Paine and Sons 54 Floydville Road East Granby, CT 06026				
4.					
5.					
6.					

OLD STATE HOUSE STATION 06103
JAN 27 2021
USPS