STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL
Ten Franklin Square, New Britain, CT 06051
Phone: (860) 827-2935 Fax: (860) 827-2950
E-Mail: siting.council@ct.gov
Web Site: portal.ct.gov/csc

VIA ELECTRONIC MAIL

November 16, 2021

John Coleman
Project Manager
Centerline Communications, LLC
750 West Center Street, Suite 301
West Bridgewater, MA 02379
jcoleman@clinellc.com

RE: **EM-VER-006A-210819** - Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 664 Rimmon Hill Road, Beacon Falls, Connecticut.

Dear Mr. Coleman:

The Connecticut Siting Council (Council) is in receipt of your correspondence of November 11, 2021, submitted in response to the Council's October 5, 2021 notification of an incomplete request for exempt modification with regard to the above-referenced matter.

The submission renders the request for exempt modification complete and the Council will process the request in accordance with the Federal Communications Commission 60-day timeframe.

Thank you for your attention and cooperation.

Sincerely,

Melanie Bachman
Executive Director

MAB/CMW/laf

From: John Coleman <jcoleman@clinellc.com>
Sent: Thursday, November 11, 2021 11:06 AM
To: CSC-DL Siting Council <Siting.Council@ct.gov>
Cc: Sharon Bateman <sbateman@clinellc.com>
Subject: EM-VER-006A-210819 / VZW Exempt Modification filing / Beacon Falls (302524/13668747) / Beacon Falls / 469421 / Correction Filing

CDC – DL Siting Council,

Please find attached the electronic copy in response to the Incomplete Memo with the original filing for Verizon Wireless' Exempt Modification at its 664 Rimmon Hill Road, Beacon Falls, CT monopole tower facility Beacon Falls in Beacon Falls.

Attached

- EM-VER-006a-210819
- Corrections filing with requested documents

Should you need any further information concerning this request, please reach out to me at any time. I appreciate your consideration.

John Coleman

John Coleman | Project Manager
750 W Center St, Suite 301 | West Bridgewater, MA 02379
Mobile: 240.615.7389
jcoleman@clinellc.com | www.centerlinecommunications.com

John Coleman, Project Manager
c/o Cellco Partnership d/b/a Verizon Wireless
Centerline Communications, LLC
750 West Center Street, Floor 3
West Bridgewater, MA 02379
Mobile: (240) 615 -7389
JColeman@clinellc.com

November 11, 2021

Melanie A. Bachman
Acting Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

RE: EM-VER-006A-210819 – Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 664 Rimmon Hill Road, Beacon Falls, CT.

Dear Ms. Bachman,

In response to the Council's Incomplete Letter to modify an existing telecommunications facility dated October 5, 2021 for the afore mentioned site, please see the following attachments as outlined below per Councils request:

1. Cover page correction of town from Seymour to Beacon Falls.

2. Original Facility Approval from CSC Website

3. Proof of mailing and delivery confirmation to Chief Elected Official: First Selectman, Gerard Smith.
    a. UPS Label: 1Z9Y45030306663199
    b. Delivery Confirmation.

4. Proof of mailing and delivery confirmation to Zoning Official: Mike Mormile.
    a. UPS Label: 1Z9Y45030319304203
    b. Delivery Confirmation.

5. Proof of mailing and delivery confirmation to Property Owner: AT&T Mobility LLC
    a. UPS Label: 1Z9Y45030326377907
    b. Delivery Confirmation.

6. The Original Filing sent to the CSC on 8/13/2021 – Notice of Exempt Modification // Site: BEACON FALLS (ATC: 302524) Cellco Partnership d/b/a/ Verizon Wireless.

This list completes the items listed in the afore mentioned Letter of Incompleteness. I appreciate your time and consideration.

Sincerely,

John Coleman

John Coleman, Project Manager
c/o Cellco Partnership d/b/a Verizon Wireless
Centerline Communications, LLC
750 West Center Street, Floor 3
West Bridgewater, MA 02379
Mobile: (240) 615 -7389
JColeman@clinellc.com

John Coleman, Project Manager
c/o Cellco Partnership d/b/a Verizon Wireless
Centerline Communications, LLC
750 West Center Street, Floor 3
West Bridgewater, MA 02379
Mobile: (240) 615 -7389
JColeman@clinellc.com

November 9, 2021

Melanie A. Bachman
Acting Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

RE: Notice of Exempt Modification // Site: BEACON FALLS (ATC: 302524)
664 Rimmon Hills Road, Beacon Falls, CT 06483
N 41.4072 // W 73.0793

Dear Ms. Bachman:

Cellco Partnership d/b/a Verizon Wireless currently maintains 6 antennas at the 149-ft level on the existing 173-foot monopole tower, located at 664 Rimon Hill Road, Seymour, CT. The tower is owned by American Tower. The tower was originally approved by the Council in 1990.Verizon Wireless now intends to remove 6 antennas and install 9 new ones for the LTE (3700 MHz) replacements for its 5G upgrade. Additionally, Verizon Wireless will remove 6 diplexers and install 3 new ones, remove 2 Coax Cables, add 6 Remote Radio Head (RRHs), 3 side-by-side antenna mounts, 1 OVP, and 2 hybrid cables; altogether updating leased equipment rights, as reflected by the final configuration outlined in the structural analysis and proposed hereby.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies §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 Gerard Smith, First Selectman, Zoning Enforcement Officer, Mike Mormile, and American Tower, the tower owner.

The planned modifications to the facility fall squarely within those activities explicitly provided for in R.C.S.A. § 16-50j-72(b)(2). Enclosed to accommodate this filing are construction drawings dated June 29, 2021 by Power of Design, a structural analysis dated May 5, 2021 by CLS Engineering, PLLC., and a structural mount analysis by Maser Consulting Connecticut date June 10, 2021, and radio frequency (RF) analysis table showing worst-case RF emission calculation by Verizon Wireless RF Design Engineering.

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

2. The proposed modifications 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 operation of the new antennas will not increase radio frequency emissions at the facility to a level at or above the Federal Communications Commission safety standard.

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

6. The existing structure and its foundation can support the proposed loading, as shown in the attached structural analysis by CLS Engineering, PLLC, dated May 5, 2021 and a structural mount analysis by Maser Consulting Connecticut, dated June 10, 2021, pursuant to certain conditions defined therein. Design and engineering is fully illustrated within final construction drawings, signed and stamped dated June 29, 2021.

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

Sincerely,

John Coleman

_____

John Coleman, Project Manager
c/o Cellco Partnership d/b/a Verizon Wireless
Centerline Communications, LLC
750 West Center Street, Floor 3
West Bridgewater, MA 02379
Mobile: (240) 615 -7389
JColeman@clinellc.com

Attachments

cc: Gerard Smith, First Selectman - as chief elected official
Mike Mormile, Zoning Enforcement Officer - as P&Z official
American Tower Corporation - as tower owner

DOCKET NO. 173 - An application of Springwich Cellular Limited Partnership for a Certificate of Environmental Compatibility and Public Need for the construction, operation, and maintenance of a telecommunications facility and associated equipment located in the Town of Beacon Falls, Connecticut.

Connecticut Siting Council

April 11, 1996

DECISION AND ORDER

Pursuant to the foregoing Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, operation, and maintenance of a cellular telecommunications tower and equipment building at the proposed alternate site in Beacon Falls, Connecticut, including effects on the natural environment; ecological integrity and balance; public health and safety; scenic, historic, and recreational values; forests and parks; air and water purity; and fish and wildlife are not disproportionate either alone or cumulatively with other effects when compared to need, are not in conflict with the policies of the State concerning such effects, and are not sufficient reason to deny the application and therefore directs that a Certificate of Environmental Compatibility and Public Need, as provided by General Statutes § 16-50k, be issued to Springwich Cellular Limited Partnership, Inc., for the construction, operation, and maintenance of a cellular telecommunications tower, associated equipment, and building at the proposed alternate site, located within a 61 acre parcel at 664 Rimmon Hill Road, Beacon Falls, Connecticut. We find the effects on scenic resources and the environment from the primary site to be more significant than the effects from the alternate site, and therefore deny certification of the primary site.

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

1. The tower shall be constructed as a monopole, no taller than necessary to provide the proposed communications service and sufficient to accommodate tower sharing, at a tower height not to exceed 160 feet above ground level.

2. The Certificate Holder shall prepare a Development and Management (D&M) Plan for the site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be submitted to and

approved by the Council prior to the commencement of facility construction and shall include plans for the tower and tower foundation; specifications for the placement of all antennas to be attached to the tower; plans for the equipment buildings, security fence, emergency generator and fuel tank; plans for the access road and utility line installation from Rimmon Hill Road; plans for site clearing, grading, and vegetative screening; and plans for water drainage and erosion and sedimentation controls consistent with the Connecticut Guidelines for Soil Erosion and Sedimentation Control, as amended. The D&M Plan shall also include the results of soil boring tests and a blasting plan if blasting of rock is deemed necessary. This blasting plan shall also be filed with the Towns of Beacon Falls and Seymour one week in advance of any blasting activity.

3. Upon the establishment of any new State or federal electromagnetic radio frequency power density standards applicable to frequencies of this facility granted herein, this facility shall be brought into compliance with such standards.

4. The Certificate Holder shall provide the Council a recalculated report of electromagnetic radio frequency power density if and when circumstances in operation cause a change in power density above the levels originally calculated and provided in the application.

5. The Certificate Holder shall permit public or private entities to share space on the proposed tower for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.

6. If the facility does not initially provide, or permanently ceases to provide, cellular services following completion of construction, this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapplication for any continued or new use shall be made to the Council before any such use is made.

7. Unless otherwise approved by the Council, this Decision and Order shall be void if all construction authorized herein is not completed within three years of the effective date of this Decision and Order or within three years after all appeals to this Decision and Order have been resolved.

8. The Certificate Holder shall notify the Council upon completion of construction and commencement of commercial operation, and provide the final cost to construct the facility.

Pursuant to General Statutes § 16-50p, the Council directs that a copy of the Findings of Fact, Opinion, and Decision and Order be served on each person listed below, and notice of issuance shall be published in The New Haven Register, the Beth-Wood News, the Waterbury Republican-American, and the Naugatuck Daily News.

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

The parties and intervenors to this proceeding are:

APPLICANT	**ITS REPRESENTATIVE**
Springwich Cellular Ltd. Partnership	Peter J. Tyrrell, Sr. Counsel Springwich Cellular Ltd. Partnership 500 Enterprise Dr., 4th flr. Rocky Hill, CT 06067
INTERVENOR	ITS REPRESENTATIVE
Bell Atlantic NYNEX Mobile, Inc.	Kenneth C. Baldwin, Esq. Robinson & Cole One Commercial Plaza Hartford, CT 06103-3597
PARTIES	**ITS REPRESENTATIVES**
Joseph Colangelo 2 Columbine Lane Beacon Falls, CT 06403	
Town of Beacon Falls	Laura Muggeo Mooney, Counsel Town of Beacon Falls 203 Church St., P.O. Box 645 Naugatuck, CT 06770

UPS CampusShip: View/Print Label

1. **Ensure there are no other shipping or tracking labels attached to your package.** Select the Print button on the print dialog box that appears. Note: If your browser does not support this function select Print from the File menu to print the label.

2. **Fold the printed label at the solid line below.** Place the label in a UPS Shipping Pouch. If you do not have a pouch, affix the folded label using clear plastic shipping tape over the entire label.

3. **GETTING YOUR SHIPMENT TO UPS**
   Customers with a Daily Pickup
   Your driver will pickup your shipment(s) as usual.

   Customers without a Daily Pickup
   Take your package to any location of The UPS Store®, UPS Access Point(TM) location, UPS Drop Box, UPS Customer Center, Staples® or Authorized Shipping Outlet near you. Items sent via UPS Return Services(SM) (including via Ground) are also accepted at Drop Boxes. To find the location nearest you, please visit the Resources area of CampusShip and select UPS Locations.
   Schedule a same day or future day Pickup to have a UPS driver pickup all your CampusShip packages.
   Hand the package to any UPS driver in your area.

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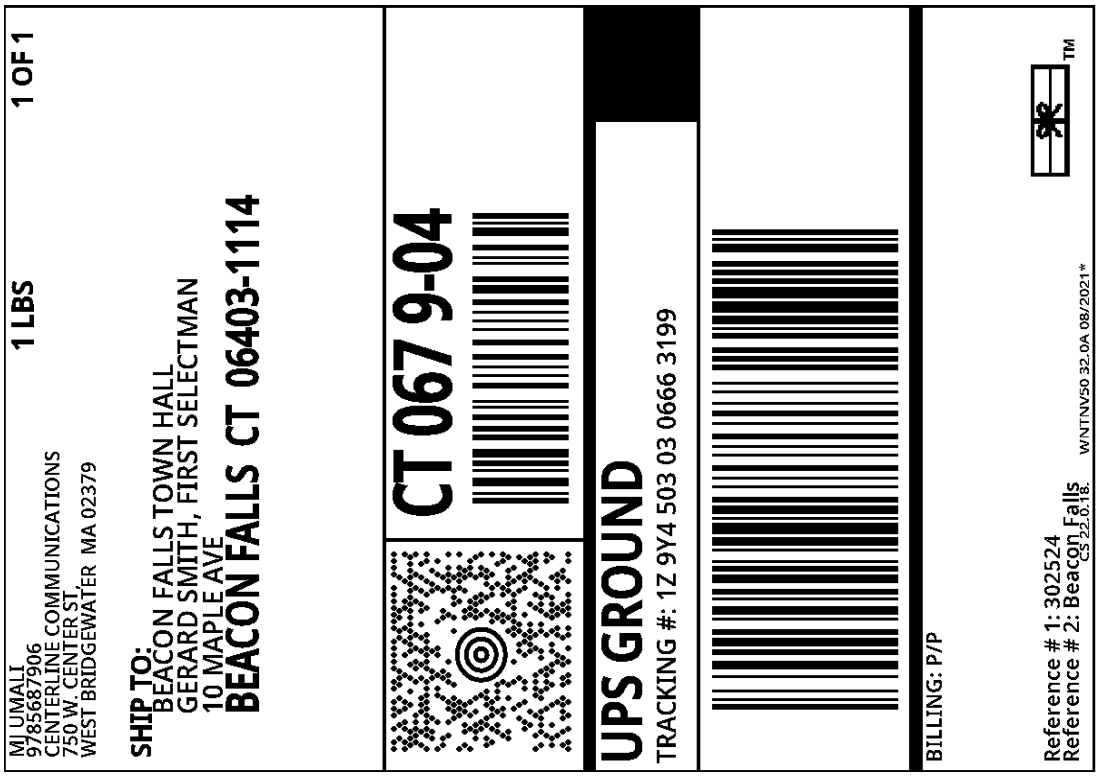
UPS Access Point™
CVS STORE # 7232
689 DEPOT ST
NORTH EASTON ,MA 02356

UPS Access Point™
TOWN LINE GENERAL STORE
450 E CENTER ST
WEST BRIDGEWATER ,MA 02379

FOLD HERE



Proof of Delivery

Dear Customer,

This notice serves as proof of delivery for the shipment listed below.

Tracking Number
1Z9Y45030306663199

Weight
1.00 LBS

Service

UPS Ground

Shipped / Billed On
08/13/2021

Delivered On

08/19/2021 1:44 P.M.

Delivered To
10 MAPLE AVE
BEACON FALLS, CT, 06403, US

Received By

JUNE

Left At
Receiver

Reference Number(s)
BEACON FALLS, 302524

Thank you for giving us this opportunity to serve you. Details are only available for shipments delivered within the last 120 days. Please print for your records if you require this information after 120 days.

Sincerely,

UPS

Tracking results provided by UPS: 10/19/2021 7:16 A.M. EST

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1. **Ensure there are no other shipping or tracking labels attached to your package.** Select the Print button on the print dialog box that appears. Note: If your browser does not support this function select Print from the File menu to print the label.

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3. **GETTING YOUR SHIPMENT TO UPS**
   Customers with a Daily Pickup
   Your driver will pickup your shipment(s) as usual.

   Customers without a Daily Pickup
   Take your package to any location of The UPS Store®, UPS Access Point(TM) location, UPS Drop Box, UPS Customer Center, Staples® or Authorized Shipping Outlet near you. Items sent via UPS Return Services(SM) (including via Ground) are also accepted at Drop Boxes. To find the location nearest you, please visit the Resources area of CampusShip and select UPS Locations.
   Schedule a same day or future day Pickup to have a UPS driver pickup all your CampusShip packages.
   Hand the package to any UPS driver in your area.

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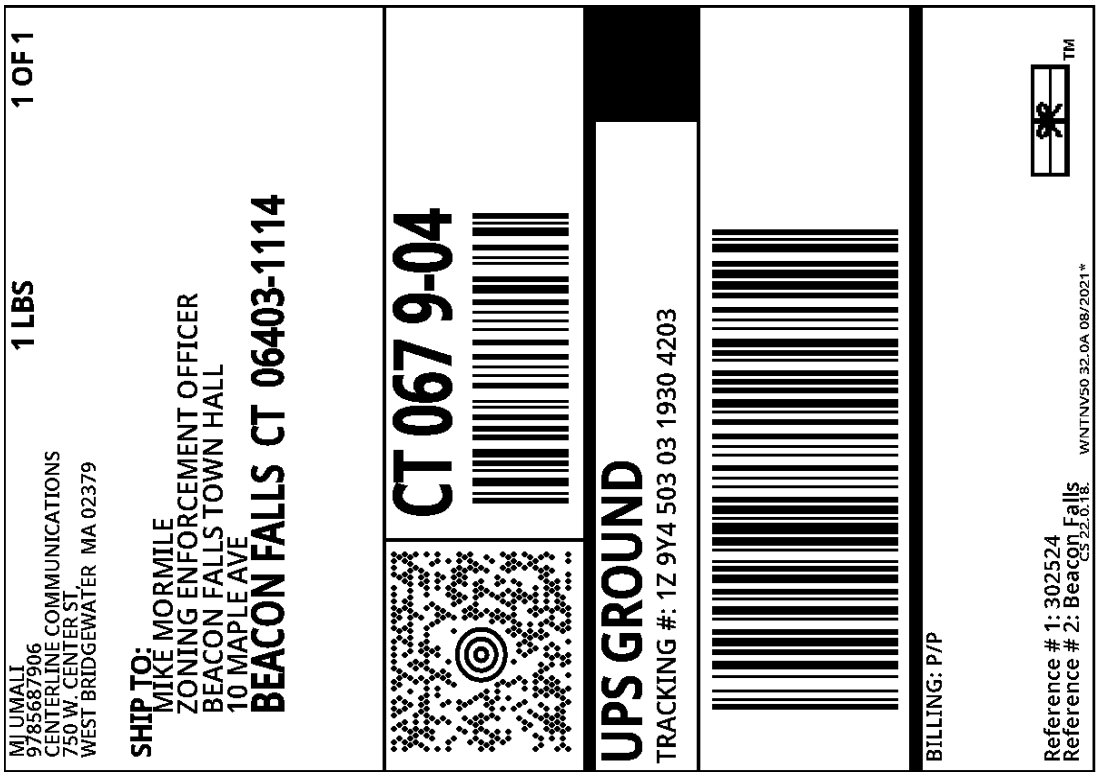
WEST BRIDGEWATER ,MA 02379

FOLD HERE



Proof of Delivery

Dear Customer,

This notice serves as proof of delivery for the shipment listed below.

Tracking Number
1Z9Y45030319304203

Weight
1.00 LBS

Service

UPS Ground

Shipped / Billed On
08/13/2021

Delivered On

08/19/2021 1:44 P.M.

Delivered To
10 MAPLE AVE
BEACON FALLS, CT, 06403, US

Received By

JUNE

Left At
Receiver

Reference Number(s)
BEACON FALLS, 302524

Thank you for giving us this opportunity to serve you. Details are only available for shipments delivered within the last 120 days. Please print for your records if you require this information after 120 days.

Sincerely,

UPS

Tracking results provided by UPS: 10/19/2021 7:19 A.M. EST

UPS CampusShip: View/Print Label

1. **Ensure there are no other shipping or tracking labels attached to your package.** Select the Print button on the print dialog box that appears. Note: If your browser does not support this function select Print from the File menu to print the label.

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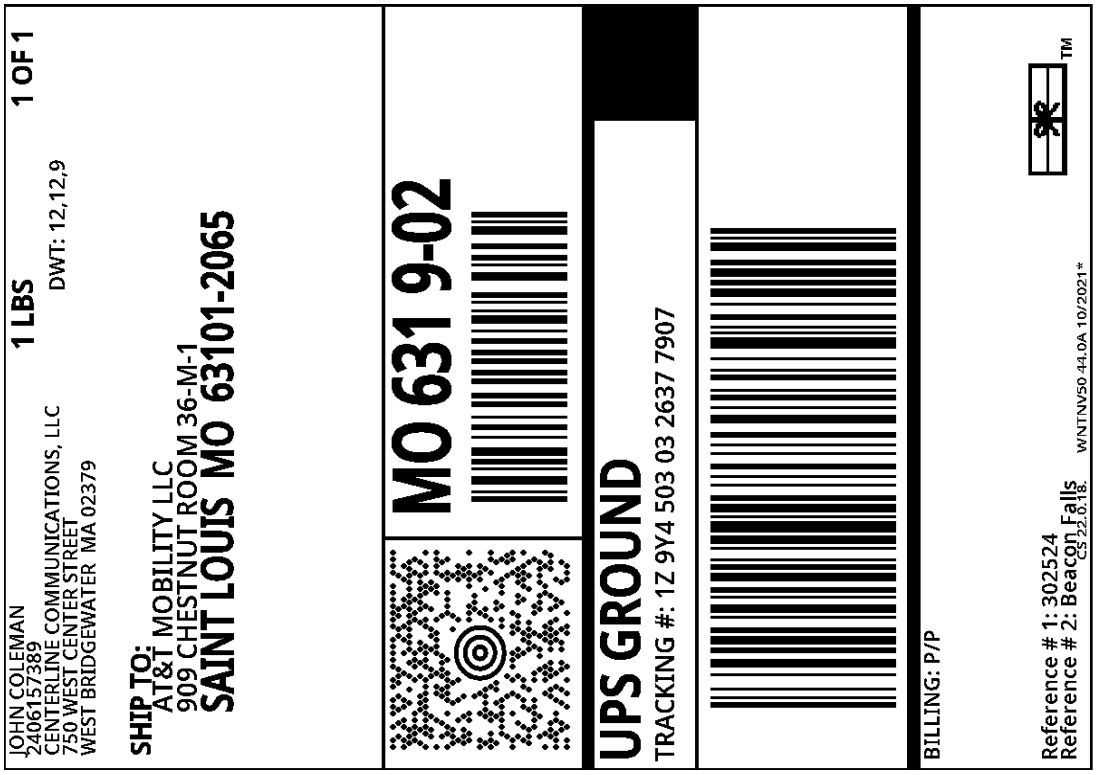

From: UPS
To: Barbara Kassabian
Subject: UPS Delivery Notification, Tracking Number 1Z9Y45030326377907
Date: Thursday, November 4, 2021 11:36:14 AM

Hello, your package has been delivered.

Delivery Date: Thursday, 11/04/2021
Delivery Time: 10:27 AM
Left At: MAIL ROOM
Signed by: SPRATTLING

CENTERLINE SITE ACQUISITION

Tracking Number:	1Z9Y45030326377907
Ship To:	AT&T MOBILITY LLC 909 CHESTNUT ROOM 36-M-1 SAINT LOUIS, MO 631012065 US
Number of Packages:	1
UPS Service:	UPS Ground
Package Weight:	1.0 LBS
Reference Number:	302524
Reference Number:	BEACON FALLS

Download the UPS mobile app

Links contained in this email have been replaced. If you click on a link in the email above, the link will be analyzed for known threats. If a known threat is found, you will not be able to proceed to the destination. If suspicious content is detected, you will see a warning.

After recording please return to:
Tien Thoong, Account Executive
Parasec
2804 Gateway Oaks Dr #200
Sacramento, CA 95833-3509

VOL. 432 PAGE 0344

Parcel I.D.: Map 34 Lot 14
Prior Recorded Deed: Book 155, Page 324

CONNECTICUT
ASSIGNMENT AND ASSUMPTION OF LEASE OR OTHER AGREEMENT

Beacon Falls - 302524

1691

THIS Assignment and Assumption dated on 9:00 am on February 28, 2007 is between **Southern Towers, LLC,** a Delaware limited liability company, ("Assignor") and **American Tower Asset Sub II, LLC,** a Delaware limited liability company ("Assignee") whose mailing address is: 116 Huntington Avenue, Boston, MA 02116.

Agreement:

NOW, THEREFORE, in consideration of $10.00 and for other good and valuable consideration, receipt and sufficiency of which is hereby acknowledged, the Parties agree as follows:

1. Assignor does hereby irrevocably transfer and assign to Assignee all of the right, title and interest of Assignor in, to and under the lease or other document described in Schedule A attached hereto together with any easements and other agreements, permits, rights and appurtenances pertaining thereto (in each case, to the extent assignable) (collectively, the "Land Lease") and forming a part hereof together with any and all of Assignor's right, title and interest in and to the buildings, towers and other improvements located at the real property described on Annex 1 hereto and leased pursuant to such Land Lease and all leases or subleases with respect thereto pursuant to which Assignor leases any part thereof to others (collectively the "Tower

Leases"). Assignee hereby assumes and agrees to pay, perform and discharge when due all of the liabilities, obligations, and duties of Assignor under the Land Lease and the Tower Leases.

2. The parties hereto do hereby agree to perform, execute and/or deliver or cause to be performed, executed and/or delivered any and all such further agreements and assurances as either of the parties hereto may reasonably require to consummate the transactions contemplated hereunder.

IN WITNESS WHEREOF, each party has caused this Assignment and Assumption to be duly executed and delivered in its name and on its behalf, as of the date first above written.

Witnessed By:

Michelle M. Schiele

Amy K. Lyster

Southern Towers, LLC, a Delaware limited liability company

By: _____
H. Anthony Lehv
Senior Vice President

Witnessed By:

Michelle M. Schiele

Amy K. Lyster

American Tower Asset Sub II, LLC, a Delaware limited liability company

By: _____
H. Anthony Lehv
Senior Vice President

COMMONWEALTH OF MASSACHUSETTS

COUNTY OF SUFFOLK

Personally appeared, H. Anthony Lehv, as aforesaid, signer of the foregoing instrument and acknowledged the same to be his/her free act and deed as such Senior Vice President of **Southern Towers, LLC**, a Delaware limited liability company, and the free act and deed of said limited liability company, before me.

Notary Public
Print Name: Cindy A. Franciosa
My Commission Expires:

(NOTARIAL SEAL)

Cindy A. Franciosa
Notary Public
Commonwealth of Massachusetts
My Commission Expires
May 19, 2011

Grantor's Address:

Southern Towers, LLC
116 Huntington Avenue
Boston, MA 02116

COMMONWEALTH OF MASSACHUSETTS

COUNTY OF SUFFOLK

Personally appeared, H. Anthony Lehv, as aforesaid, signer of the foregoing instrument and acknowledged the same to be his/her free act and deed as such Senior Vice President of **American Tower Asset Sub II, LLC** a Delaware limited liability company, and the free act and deed of said limited liability company before me

Notary Public
Print Name: Cindy A. Franciosa
My Commission Expires:

(NOTARIAL SEAL)

Cindy A. Franciosa
Notary Public
Commonwealth of Massachusetts
My Commission Expires
May 19, 2011

Grantees' Address:

American Tower Asset Sub II, LLC
116 Huntington Avenue
Boston, MA 02116

Schedule A
to Assignment and Assumption Agreement

Site Designation Supplement dated as of May 15, 2003 between Springwich Cellular Tower Holdings, LLC and Southern Towers, Inc., in connection with which a Memorandum of Sublease with Purchase Option is recorded in Page 324 Book 155, ,which Site Designation Supplement was delivered in connection with the Lease and the Sublease dated December 14, 2000 and relates to the property described on Annex 1 hereto.

Annex 1
to Assignment and Assumption Agreement

Legal Description

(See Attached)

Site Number: 302524
Site Name: Beacon Falls
County: New Haven
State: Connecticut

VOL. 432 PAGE 0349

Commencing from a wire found in a 24" tree on the west side of the lease parcel, thence S 58°59'12" E a distance of 35.88 feet to the POINT AND PLACE OF BEGINNING of said lease parcel, thence the following courses and distances:

N 45°08'40" W a distance of 80.00 feet to a point;

N 44°51'20" E a distance of 80.00 feet to a point;

S 45°08'40" E a distance of 80.00 feet to a point;

S 44°51'20 W a distance of 80.00 feet to a point, the POINT AND PLACE OF BEGINNING.

Said lease parcel contains 6,400.00 square feet or 0.1469 acre, more or less.

ACCESS AND UTILITY EASEMENT:

Commencing at the northwest corner of the lease parcel, thence N 03°00'11" E a distance of 39.82 feet to the POINT AND PLACE OF BEGINNING of the access and utility easement. Thence the following courses and distances:

S 81°18'16" W 25.00 feet to a point;
N 08°41'44" E 215.00 feet to a point;
N 81°18'16" W 440.00 feet to a point;
N 86°39'51" W 235.00 feet to a point;
S 70°19'28" W 103.58 feet to a point;
S 43°52'34" W 270.00 feet to a point;
S 55°46'46" W 173.00 feet to a point;
S 74°33'32" W 106.00 +/- feet to a point;
S 54°54'23" E 47.00 +/- feet to a point;
N 67°47'28" E 278.00 +/- feet to a point;
N 01°05'55" W 40.00 feet to a point;
N 38°37'44" E 82.66 feet to a point;

Site Number: 302524
Site Name: Beacon Falls
County: New Haven
State: Connecticut

VOL. 432 PAGE 0350

N 45°18'27" E 46.61 feet to a point;
N 53°36'25" E 52.37 feet to a point;
N 62°25'27" E 143.37 feet to a point;
N 86°13'58" E 167.00 feet to a point; S 81°18'16" E 460.00 feet to a point;
S 08°41'44" 190.00 feet to the POINT AND PLACE OF BEGINNING.

Said access and utility easement contains 50,645.73 square feet or .16 acre, more or less.

RECEIVED FOR RECORD
May 28, 2008
AT 1 H 15 M P. M.
BY Esther Bozum
TOWN CLERK

028218

Centerline Communications LLC

CONNECTICUT SITING COUNCIL

Check: 28218
Date: 8/11/2021
Vendor: 0

Invoice	P.O. Num.	Invoice Amt	Prior Balance	Retention	Discount	Amt. Paid
531458-004		625.00	625.00	0.00	0.00	625.00
ATC - Verizon-13668747						
		625.00	625.00	0.00	0.00	625.00

028218

Centerline Communications LLC
750 W. Center Street
Suite 301
W. Bridgewater, MA 02379
(781) 713-4725

ROCKLAND TRUST COMPANY
MEDFIELD, MA 02052

53-447/113

28218

DATE 8/11/2021

AMOUNT **********625.00

PAY TO THE ORDER OF CONNECTICUT SITING COUNCIL

THE SUM OF SIX HUNDRED TWENTY FIVE DOLLARS AND NO CENTS **********

VOID AFTER 90 DAYS

Security features. Details on back

⑈028218⑈

MJ Umali, Site Acquisition Consultant
c/o Cellco Partnership d/b/a Verizon Wireless
Centerline Communications, LLC
750 West Center Street, Floor 3
West Bridgewater, MA 02379
Mobile: (978) 568-7906
MUmali@centerlinecommunications.com

August 11, 2021

Melanie A. Bachman
Acting Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

RE: Notice of Exempt Modification // Site: BEACON FALLS (ATC: 302524)
664 Rimon Hill Road, Seymour, CT 06483
N 41.4072 // W 73.0793

Dear Ms. Bachman:

Cellco Partnership d/b/a Verizon Wireless currently maintains 6 antennas at the 149-ft level on the existing 173-foot monopole tower, located at 664 Rimon Hill Road, Seymour, CT. The tower is owned by American Tower. The tower was originally approved by the Council in 1990.Verizon Wireless now intends to remove 6 antennas and install 9 new ones for the LTE (3700 MHz) replacements for its 5G upgrade. Additionally, Verizon Wireless will remove 6 diplexers and install 3 new ones, remove 2 Coax Cables, add 6 Remote Radio Head (RRHs), 3 side-by-side antenna mounts, 1 OVP, and 2 hybrid cables; altogether updating leased equipment rights, as reflected by the final configuration outlined in the structural analysis and proposed hereby.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies §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 Gerard Smith, First Selectman, Zoning Enforcement Officer, Mike Mormile, and American Tower, the tower owner.

The planned modifications to the facility fall squarely within those activities explicitly provided for in R.C.S.A. § 16-50j-72(b)(2). Enclosed to accommodate this filing are construction drawings dated June 29, 2021 by Power of Design, a structural analysis dated May 5, 2021 by CLS Engineering, PLLC., and a structural mount analysis by Maser Consulting Connecticut date June 10, 2021, and radio frequency (RF) analysis table showing worst-case RF emission calculation by Verizon Wireless RF Design Engineering.

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

2. The proposed modifications 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 operation of the new antennas will not increase radio frequency emissions at the facility to a level at or above the Federal Communications Commission safety standard.

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

6. The existing structure and its foundation can support the proposed loading, as shown in the attached structural analysis by CLS Engineering, PLLC, dated May 5, 2021 and a structural mount analysis by Maser Consulting Connecticut, dated June 10, 2021, pursuant to certain conditions defined therein. Design and engineering is fully illustrated within final construction drawings, signed and stamped dated June 29, 2021.

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

Sincerely,

MJ Umali

_____

MJ Umali, Site Acquisition Consultant
c/o Cellco Partnership d/b/a Verizon Wireless
Centerline Communications, LLC
750 West Center Street, Floor 3
West Bridgewater, MA 02379
Mobile: (978) 568-7906
MUmali@centerlinecommunications.com

Attachments

cc: Gerard Smith, First Selectman - as chief elected official
Mike Mormile, Zoning Enforcement Officer - as P&Z official
American Tower Corporation - as tower owner

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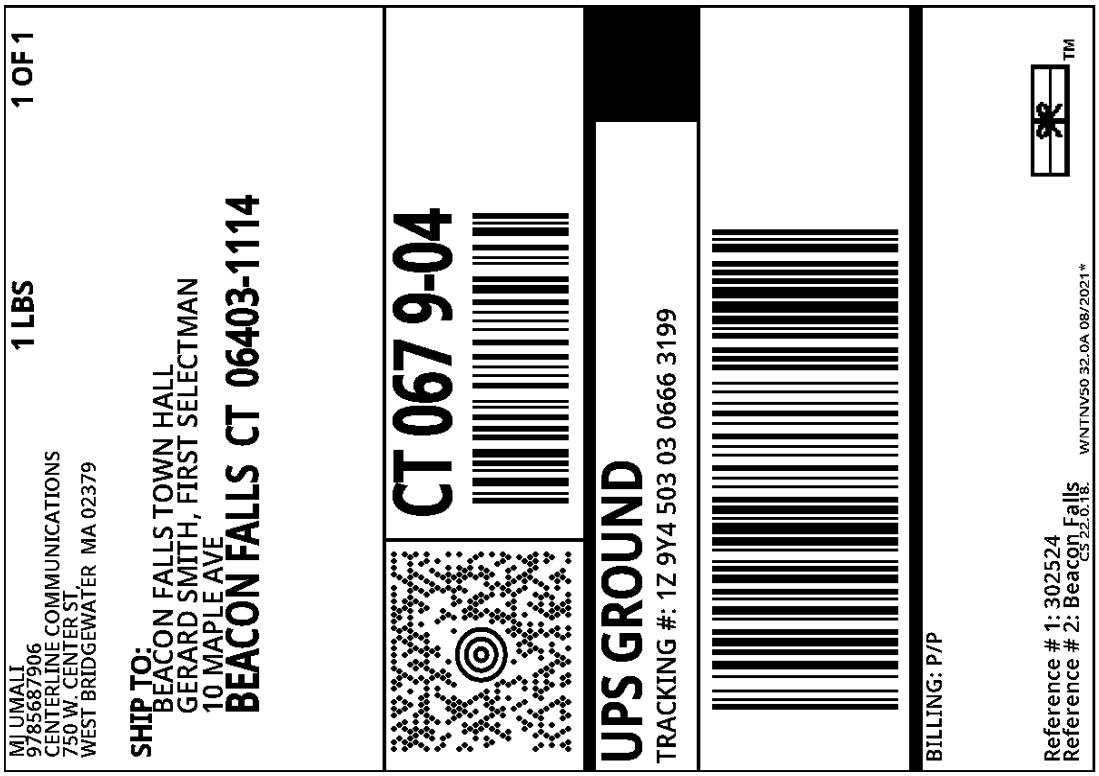

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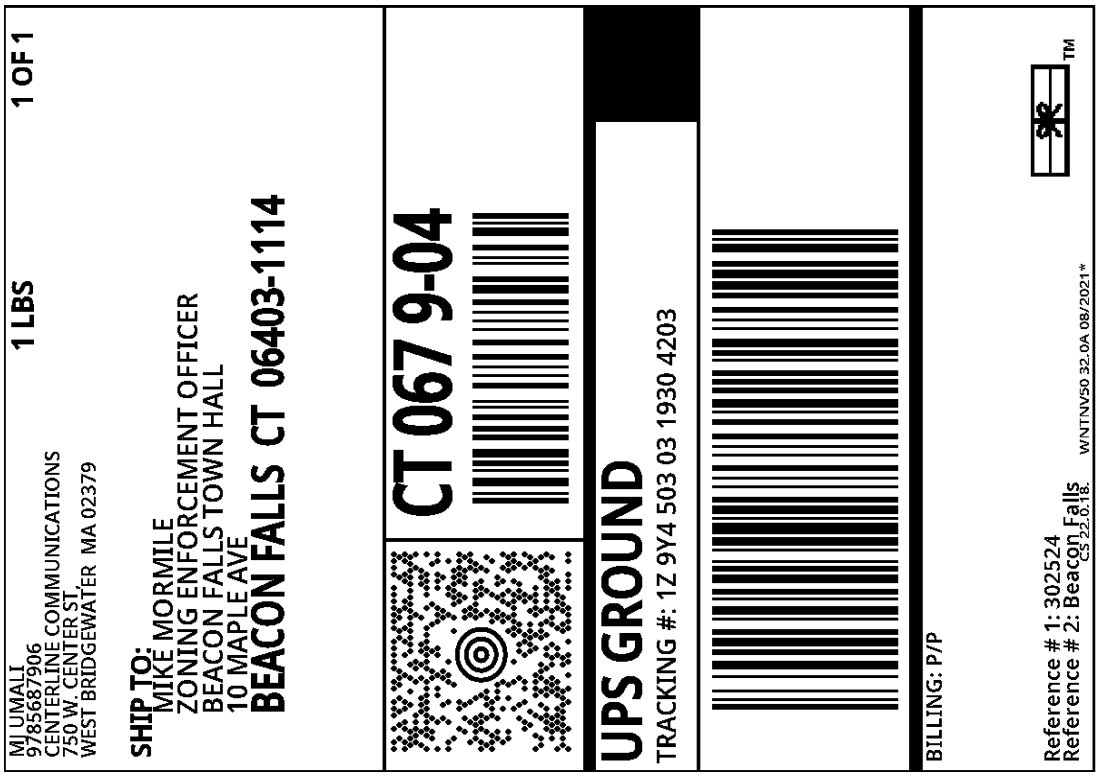

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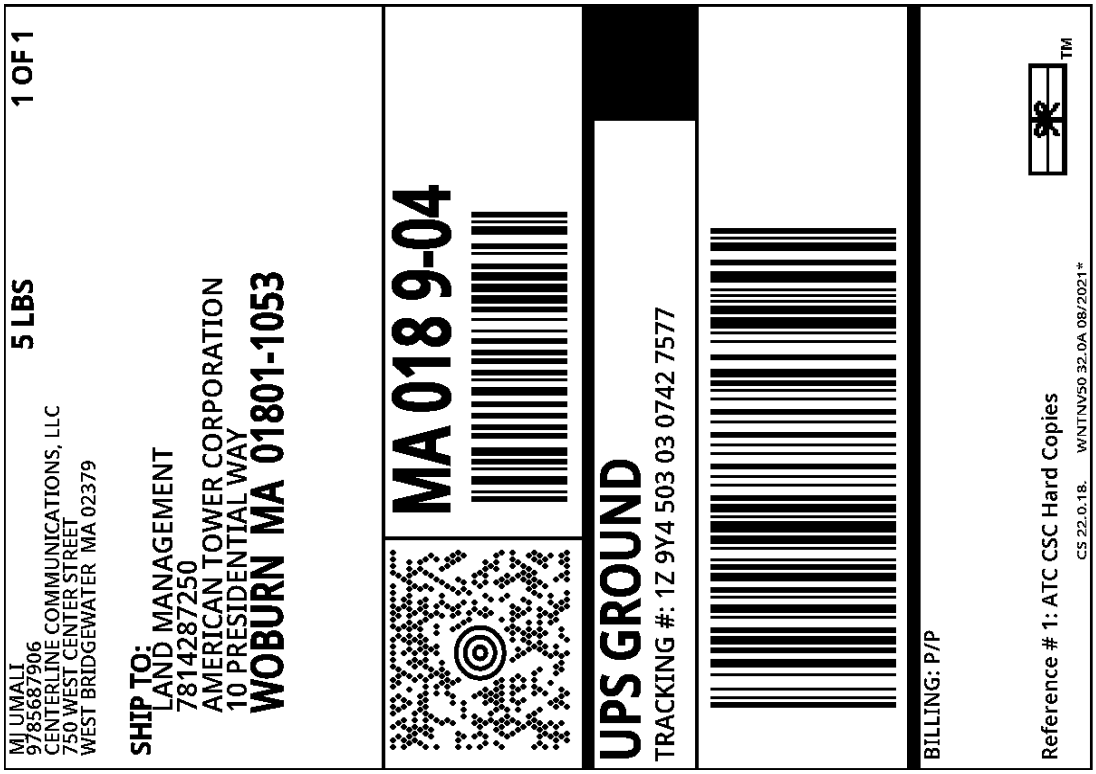

AMERICAN TOWER®
CORPORATION

This report was prepared for American Tower Corporation by

CLS ENGINEERING PLLC

Structural Analysis Report

Structure	:	**173 ft Monopole**
ATC Site Name	:	**Beacon Falls, CT**
ATC Asset Number	:	**302524**
Engineering Number	:	**13668747_C3_01**
Proposed Carrier	:	**VERIZON WIRELESS**
Carrier Site Name	:	**BEACON FALLS**
Carrier Site Number	:	**469421**
Site Location	:	**664 Rimmon Hill Road** **Seymour, CT 06483-2722** **41.407200,-73.079300**
County	:	**New Haven**
Date	:	**May 5, 2021**
Max Usage	:	**82%**
Result	:	**Pass**

Prepared By:
Sean Rock, E.I.
CLS

Reviewed By:

STATE OF CONNECTICUT
TYLER M BARKER
No. 32402
LICENSED PROFESSIONAL ENGINEER

Tyler M. Barker
CLS Engineering PLLC
PE # 32402 Exp. 1/31/2021
COA # PEC.001833 Exp. 8/14/2022
05/05/2021

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Calculations ..... Attached

Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 173 ft monopole to reflect the change in loading by VERIZON WIRELESS.

Supporting Documents

Tower Drawings	Valmont Drawing #DC3268Z, dated May 28, 1996
Foundation Drawing	SNET Sheet #4 of 11, dated July 16, 1996
Geotechnical Report	S&ME Job #1261-07-418Z, dated November 13, 2007
Modifications	Spectrasite Site #CT-0060, dated February 20, 2002

Analysis

The tower was analyzed using American Tower Corporation's tower analysis software. This program considers an elastic three-dimensional model and second-order effects per ANSI/TIA-222.

Basic Wind Speed:	118 mph (3-Second Gust)
Basic Wind Speed w/ Ice:	50 mph (3-Second Gust) w/ 1" radial ice concurrent
Code:	ANSI/TIA-222-H / 2015 IBC / 2018 Connecticut State Building Code
Exposure Category:	B
Risk Category:	II
Topographic Factor Procedure:	Method 1
Topographic Category:	1
Crest Height (H):	0 ft
Spectral Response:	Ss = 0.20, S_1 = 0.05
Site Class:	D - Stiff Soil

Conclusion

Based on the analysis results, the structure meets the requirements per the applicable codes listed above. The tower and foundation can support the equipment as described in this report.

If you have any questions or require additional information, please contact American Tower via email at Engineering@americantower.com. Please include the American Tower site name, site number, and engineering number in the subject line for any questions.

Existing and Reserved Equipment

Elev.[1] (ft)	Qty	Antenna	Mount Type	Lines	Carrier
164.0	6	Kaelus DBC0061F1V51-2	Platform with Handrails	(2) 0.39" (10mm) Fiber Trunk (4) 0.78" (19.7mm) 8 AWG 6 (12) 1 1/4" Coax (2) 2" conduit	AT&T MOBILITY
	2	Raycap DC6-48-60-18-8F (23.5" Height)			
	3	Ericsson RRUS-11 (50 lbs.)			
	3	Ericsson RRUS 32 B2			
	3	Ericsson RRUS 32 (55.1 lbs)			
	3	KMW AM-X-CD-14-65-00T-RET			
	1	CCI HPA-65R-BUU-H6			
	2	CCI TPA-65R-LCUUUU-H8			
	2	CCI HPA-65R-BUU-H8			
	1	Kathrein Scala 80010798			
159.0	6	Powerwave Allgon TT08-19DB111-001			
149.0	6	Andrew DB844H80E-XY	Platform with Handrails	(10) 1 5/8" Coax (1) 1 5/8" Hybriflex	VERIZON WIRELESS
135.0	12	Generic 42" x 6" Panel	Low Profile Platform	(12) 1 1/4" Coax	OTHER

Equipment to be Removed

Elev.[1] (ft)	Qty	Antenna	Mount Type	Lines	Carrier
149.0	6	RFS FDL85002/1C-3L	-	(2) 1 5/8" Coax	VERIZON WIRELESS
	3	Alcatel-Lucent B66 RRH4x45			
	6	Andrew SBNHH-1D65B			
	1	RFS DB-T1-6Z-8AB-0Z			
	3	Andrew 948F85T2E-M			

Proposed Equipment

Elev.[1] (ft)	Qty	Antenna	Mount Type	Lines	Carrier
149.0	3	Commscope CBC78T-DS-43-2X	Triangular Platform with Handrails	(1) 1 5/8" Hybriflex	VERIZON WIRELESS
	3	Samsung B2/B66A RRH-BR049			
	3	Samsung B5/B13 RRH-BR04C			
	1	Raycap RCMDC-6627-PF-48			
	3	Samsung MT6407-77A			
	6	Commscope JAHH-65B-R3B			

[1] Contracted elevations are shown for appurtenances within contracted installation tolerances. Appurtenances outside of contract limits are shown at installed elevations.

Install proposed lines inside the pole shaft.

Structure Usages

Structural Component	Controlling Usage	Pass/Fail
Anchor Bolts	65%	Pass
Shaft	82%	Pass
Base Plate	18%	Pass
Flanges	6%	Pass

Foundations

Reaction Component	Original Design Reactions	Factored Design Reactions*	Analysis Reactions	% of Design
Moment (Kips-Ft)	3,020.9	4,078.2	2,792.3	68%
Shear (Kips)	28.0	37.8	23.9	63%
* The design reactions are factored by 1.35 per ANSI/TIA-222-H, Sec. 15.6.2				

The structure base reactions resulting from this analysis are acceptable when compared to those shown on the original structure drawings, therefore no modification or reinforcement of the foundation will be required.

Deflection and Sway*

Antenna Elevation (ft)	Antenna	Carrier	Deflection (ft)	Sway (Rotation) (°)
149.0	Commscope CBC78T-DS-43-2X	VERIZON WIRELESS	2.341	1.936
	Samsung B2/B66A RRH-BR049			
	Samsung B5/B13 RRH-BR04C			
	Raycap RCMDC-6627-PF-48			
	Samsung MT6407-77A			
	Commscope JAHH-65B-R3B			

***Deflection and Sway was evaluated considering a design wind speed of 60 mph (3-Second Gust) per ANSI/TIA-222-H**

Standard Conditions

All engineering services performed by A.T. Engineering Service, PLLC are prepared on the basis that the information used is current and correct. This information may consist of, but is not limited to the following:

- Information supplied by the client regarding antenna, mounts and feed line loading
- Information from drawings, design and analysis documents, and field notes in the possession of A.T. Engineering Service, PLLC

It is the responsibility of the client to ensure that the information provided to A.T. Engineering Service, PLLC and used in the performance of our engineering services is correct and complete.

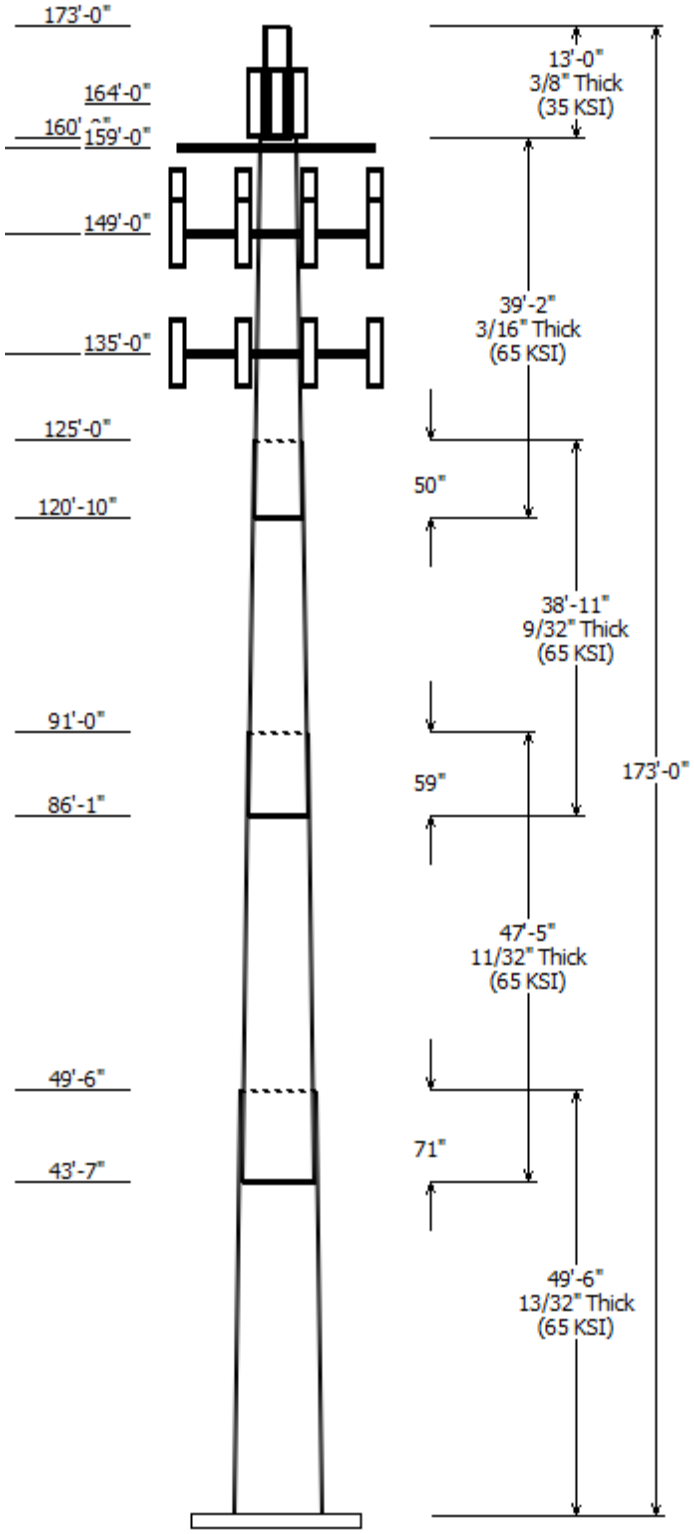
All assets of American Tower Corporation, its affiliates and subsidiaries (collectively "American Tower") are inspected at regular intervals. Based upon these inspections and in the absence of information to the contrary, American Tower assumes that all structures were constructed in accordance with the drawings and specifications.

Unless explicitly agreed by both the client and A.T. Engineering Service, PLLC, all services will be performed in accordance with the current revision of ANSI/TIA-222.

All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. A.T. Engineering Service, PLLC is not responsible for the conclusions, opinions and recommendations made by others based on the information supplied herein.

Job Information

Client :	VERIZON WIRELESS		
Pole :	302524	Code:	ANSI/TIA-222-H
Location :	Beacon Falls, CT		
Description :	173 ft Valmont Monopole	Risk Category :	II
Shape :	12 Sides	Exposure :	B
Height :	173.00 (ft)	Topo Method :	Method 1
Base Elev (ft):	0.00	Topographic Category :	1
Taper:	0.203000 (in/ft)		



Sections Properties

Shaft Section	Length (ft)	Diameter (in) Accross Flats Top	Bottom	Thick (in)	Joint Type	Overlap Length (in)	Shape	Steel Grade (ksi)
1	49.500	38.45	48.50	0.406		0.000	12 Sides	65
2	47.417	30.71	40.34	0.344	Slip Joint	71.000	12 Sides	65
3	38.917	24.37	32.27	0.281	Slip Joint	59.000	12 Sides	65
4	39.167	17.64	25.59	0.188	Slip Joint	50.000	12 Sides	65
5	13.000	14.00	14.00	0.375	Butt Joint	0.000	Round	35

Discrete Appurtenance

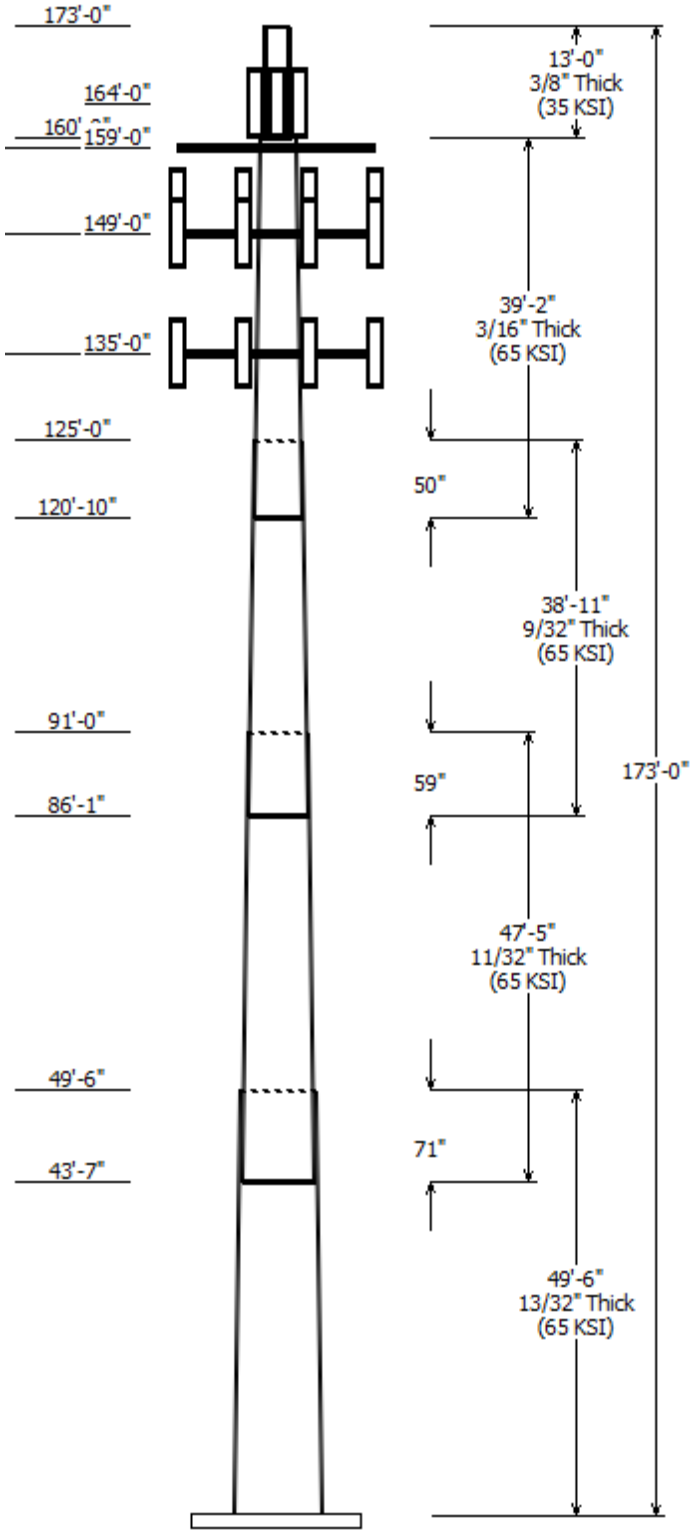
Attach Elev (ft)	Force Elev (ft)	Qty	Description
164.000	164.000	2	CCI TPA-65R-LCUUUU-H8
164.000	164.000	2	CCI HPA-65R-BUU-H8
164.000	164.000	1	Kathrein Scala 80010798
164.000	164.000	3	KMW AM-X-CD-14-65-00T-RET
164.000	164.000	3	Ericsson RRUS 32 (55.1 lbs)
164.000	164.000	3	Ericsson RRUS 32 B2
164.000	164.000	1	CCI HPA-65R-BUU-H6
164.000	164.000	3	Ericsson RRUS-11 (50 lbs.)
164.000	164.000	2	Raycap DC6-48-60-18-8F (23.5"
164.000	164.000	6	Kaelus DBC0061F1V51-2
159.000	159.000	1	Flat Platform w/ Handrails
159.000	163.000	6	Powerwave Allgon TT08-
149.000	149.000	1	Flat Platform w/ Handrails
149.000	149.000	6	Commscope JAHH-65B-R3B
149.000	149.000	3	Samsung MT6407-77A
149.000	149.000	1	Raycap RCMDC-6627-PF-48
149.000	150.000	6	Andrew DB844H80E-XY
149.000	149.000	3	Samsung B5/B13 RRH-BR04C
149.000	149.000	3	Samsung B2/B66A RRH-BR049
149.000	149.000	3	Commscope CBC78T-DS-43-2X
135.000	135.000	12	Generic 42" x 6" Panel
135.000	135.000	1	Flat Low Profile Platform

Linear Appurtenance

Elev (ft) From	To	Description	Exposed To Wind
0.000	135.0	1 1/4" Coax	No
0.000	149.0	1 5/8" Coax	No
0.000	149.0	1 5/8" Hybriflex	No
0.000	149.0	1 5/8" Hybriflex	No
0.000	164.0	0.39" (10mm)	No
0.000	164.0	0.78" (19.7mm) 8	No
0.000	164.0	1 1/4" Coax	No
0.000	164.0	2" conduit	No

Load Cases

1.2D + 1.0W	118 mph with No Ice
0.9D + 1.0W	118 mph with No Ice (Reduced DL)



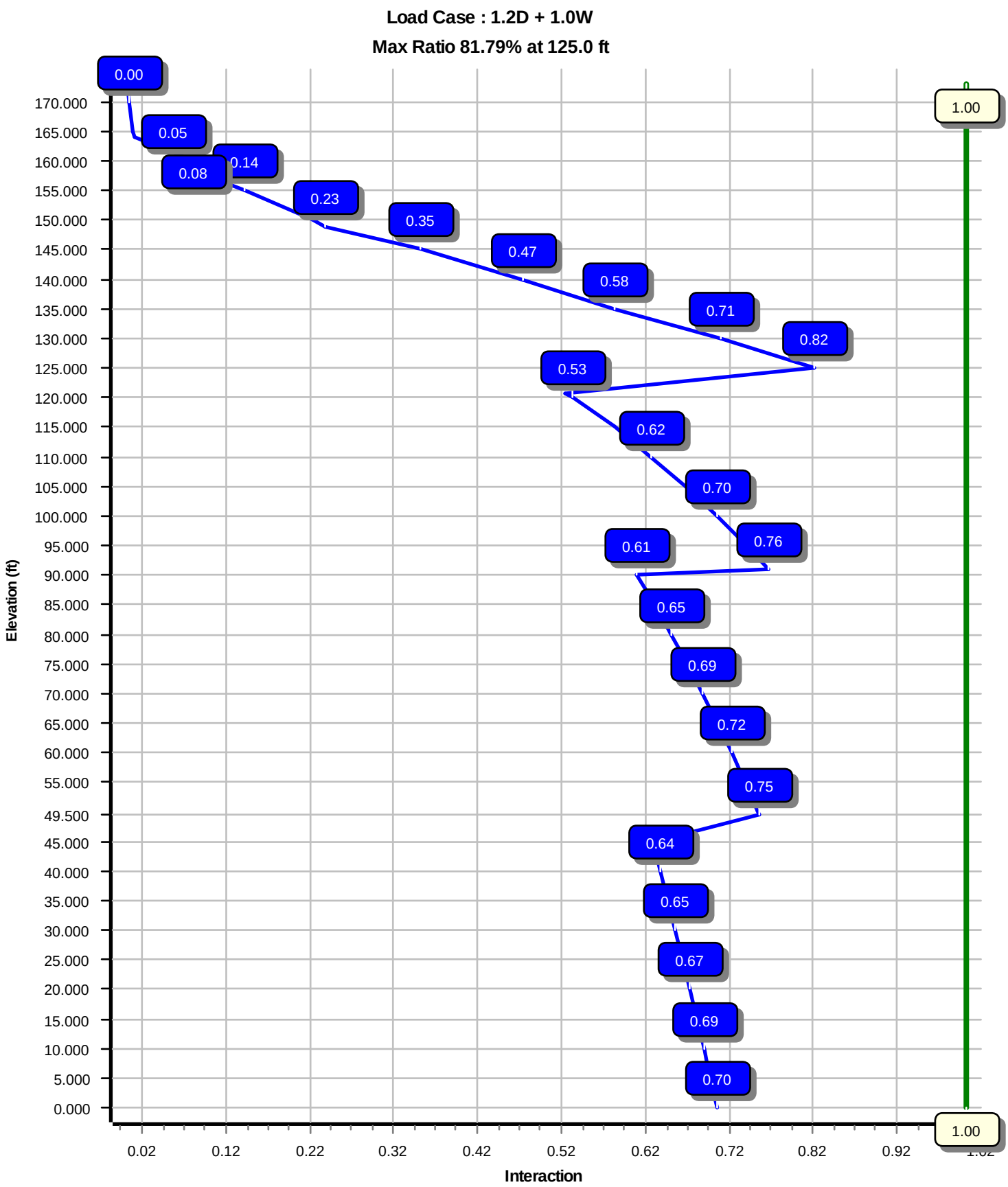
1.2D + 1.0Di + 1.0Wi	50 mph with 1.00 in Radial Ice
1.2D + 1.0Ev + 1.0Eh	Seismic
0.9D - 1.0Ev + 1.0Eh	Seismic (Reduced DL)
1.0D + 1.0W	Serviceability 60 mph

Reactions

Load Case	Moment (kip-ft)	Shear (kip)	Axial (kip)
1.2D + 1.0W	2792.32	23.91	42.38
0.9D + 1.0W	2739.37	23.89	31.77
1.2D + 1.0Di + 1.0Wi	700.77	5.77	55.12
1.2D + 1.0Ev + 1.0Eh	198.19	1.38	42.39
0.9D - 1.0Ev + 1.0Eh	193.28	1.38	29.25
1.0D + 1.0W	640.12	5.53	35.35

Dish Deflections

Load Case	Attach Elev (ft)	Deflection (in)	Rotation (deg)
	0.00	0.000	0.000


Load Case : 1.2D + 1.0W
Max Ratio 81.79% at 125.0 ft
0.00
0.05
0.08
0.14
0.23
0.35
0.47
0.58
0.71
0.82
0.53
0.62
0.70
0.76
0.61
0.65
0.69
0.72
0.75
0.64
0.65
0.67
0.69
0.70
1.00
1.00
170.000
165.000
160.000
155.000
150.000
145.000
140.000
135.000
130.000
125.000
120.000
115.000
110.000
105.000
100.000
95.000
90.000
85.000
80.000
75.000
70.000
65.000
60.000
55.000
49.500
45.000
40.000
35.000
30.000
25.000
20.000
15.000
10.000
5.000
0.000
Elevation (ft)
0.02
0.12
0.22
0.32
0.42
0.52
0.62
0.72
0.82
0.92
Interaction

Site Number: 302524 Code: ANSI/TIA-222-H

Site Name: Beacon Falls, CT Engineering Number:13668747_C3_01 5/5/2021 11:41:21 AM

Customer: VERIZON WIRELESS

Analysis Parameters

Location :	New Haven County, CT	Height (ft) :	173
Code :	ANSI/TIA-222-H	Base Diameter (in) :	48.50
Shape :	12 Sides. Sect 5: Round	Top Diameter (in) :	14.00
Pole Type :	Custom	Taper (in/ft) :	0.203
Pole Manfacturer :	Valmont	Rotation (deg) :	0.00
Kd (non-service) :	0.95	Ke :	0.98

Ice & Wind Parameters

Exposure Category:	B	Design Wind Speed Without Ice:	118 mph
Risk Category:	II	Design Wind Speed With Ice:	50 mph
Topographic Factor Procedure:	Method 1	Operational Wind Speed:	60 mph
Topographic Category:	1	Design Ice Thickness:	1.00 in
Crest Height:	0 ft	HMSL:	420.00 ft

Seismic Parameters

Analysis Method:	Equivalent Lateral Force Method				
Site Class:	D - Stiff Soil				
Period Based on Rayleigh Method (sec):	3.19				
T_L (sec):	6	p:	1.3	C_s:	0.030
S_s:	0.200	S_1:	0.054	C_s Max:	0.030
F_a:	1.600	F_v:	2.400	C_s Min:	0.030
S_{ds}:	0.213	S_{d1}:	0.086		

Load Cases

1.2D + 1.0W	118 mph with No Ice
0.9D + 1.0W	118 mph with No Ice (Reduced DL)
1.2D + 1.0Di + 1.0Wi	50 mph with 1.00 in Radial Ice
1.2D + 1.0Ev + 1.0Eh	Seismic
0.9D - 1.0Ev + 1.0Eh	Seismic (Reduced DL)
1.0D + 1.0W	Serviceability 60 mph

Site Number: 302524 Code: ANSI/TIA-222-H

Site Name: Beacon Falls, CT Engineering Number:13668747_C3_01 5/5/2021 11:41:21 AM

Customer: VERIZON WIRELESS

Shaft Section Properties

Sect Info	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Slip Joint Len (in)	Weight (lb)	Bottom Dia (in)	Bottom Elev (ft)	Bottom Area (in²)	Bottom Ix (in⁴)	Bottom W/t Ratio	Bottom D/t Ratio	Top Dia (in)	Top Elev (ft)	Top Area (in²)	Top Ix (in⁴)	Top W/t Ratio	Top D/t Ratio	Taper (in/ft)
1-12	49.500	0.4063	65		0.00	9,490	48.50	0.00	62.91	18573.8	29.31	119.38	38.45	49.50	49.77	9194.7	22.68	94.65	0.203000
2-12	47.417	0.3438	65	Slip	71.00	6,284	40.34	43.58	44.27	9039.5	28.77	117.35	30.71	91.00	33.62	3957.8	21.26	89.35	0.203000
3-12	38.917	0.2813	65	Slip	59.00	3,363	32.27	86.08	28.97	3785.6	28.07	114.76	24.37	125.00	21.82	1616.8	20.54	86.67	0.203000
4-12	39.167	0.1875	65	Slip	50.00	1,725	25.59	120.83	15.34	1264.1	33.90	136.51	17.64	160.00	10.54	410.0	22.54	94.11	0.203000
5-R	13.000	0.3750	35	Butt	0.00	710	14.00	160.00	16.05	372.8	0.00	37.33	14.00	173.00	16.05	372.8	0.00	37.33	0.000000
				Shaft Weight		21,571													

Discrete Appurtenance Properties

Attach Elev (ft)	Description	Qty	Ka	Vert Ecc (ft)	No Ice Weight (lb)	No Ice EPAa (sf)	No Ice Orientation Factor	Ice Weight (lb)	Ice EPAa (sf)	Ice Orientation Factor
164.00	Kaelus DBC0061F1V51-2	6	0.75	0.000	25.50	0.433	0.50	37.94	0.736	0.50
164.00	Raycap DC6-48-60-18-8F (23.5"	2	0.75	0.000	20.00	1.260	1.00	55.45	1.703	1.00
164.00	Ericsson RRUS-11 (50 lbs.)	3	0.75	0.000	50.00	2.566	0.67	95.89	3.271	0.67
164.00	Ericsson RRUS 32 B2	3	0.75	0.000	53.00	2.743	0.67	102.51	3.530	0.67
164.00	Ericsson RRUS 32 (55.1 lbs)	3	0.75	0.000	55.10	2.852	0.67	107.32	3.652	0.67
164.00	KMW AM-X-CD-14-65-00T-RET	3	0.75	0.000	36.40	4.994	0.66	111.33	6.252	0.66
164.00	CCI HPA-65R-BUU-H6	1	0.75	0.000	51.00	9.658	0.69	198.70	11.524	0.69
164.00	Kathrein Scala 80010798	1	0.75	0.000	81.40	10.687	0.65	224.86	12.722	0.65
164.00	CCI HPA-65R-BUU-H8	2	0.75	0.000	68.00	12.976	0.67	240.98	15.386	0.67
164.00	CCI TPA-65R-LCUUUU-H8	2	0.75	0.000	81.60	13.298	0.69	267.93	15.811	0.69
159.00	Powerwave Allgon TT08-	6	0.75	4.000	22.00	0.793	0.50	39.82	1.220	0.50
159.00	Flat Platform w/ Handrails	1	1.00	0.000	2,000.00	42.400	1.00	2,953.74	56.474	1.00
149.00	Commscope CBC78T-DS-43-2X	3	0.75	0.000	20.70	0.552	0.50	35.43	0.891	0.50
149.00	Samsung B2/B66A RRH-BR049	3	0.75	0.000	84.40	1.875	0.50	126.93	2.477	0.50
149.00	Samsung B5/B13 RRH-BR04C	3	0.75	0.000	70.30	1.875	0.50	108.44	2.477	0.50
149.00	Andrew DB844H80E-XY	6	0.75	1.000	10.00	3.615	0.73	75.43	3.423	0.73
149.00	Raycap RCMDC-6627-PF-48	1	0.75	0.000	32.00	4.056	1.00	116.73	4.966	1.00
149.00	Samsung MT6407-77A	3	0.75	0.000	81.60	4.709	0.61	149.55	5.722	0.61
149.00	Commscope JAHH-65B-R3B	6	0.75	0.000	60.60	9.113	0.69	195.47	10.963	0.69
149.00	Flat Platform w/ Handrails	1	1.00	0.000	2,000.00	42.400	1.00	2,947.48	56.382	1.00
135.00	Generic 42" x 6" Panel	12	0.80	0.000	20.00	2.450	0.67	53.37	3.545	0.67
135.00	Flat Low Profile Platform	1	1.00	0.000	1,500.00	26.100	1.00	1,927.48	38.697	1.00
Totals	Num Loadings:22	72			8,306.70			14,742.34		

Linear Appurtenance Properties

Load Case Azimuth (deg) :

Elev From (ft)	Elev To (ft)	Qty	Description	Coax Dia (in)	Coax Wt (lb/ft)	Flat	Max Coax / Row	Dist Between Rows (in)	Dist Between Cols (in)	Azimuth (deg)	Dist From Face (in)	Exposed To Wind	Carrier
0.00	164.00	2	0.39" (10mm) Fiber	0.39	0.06	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
0.00	164.00	4	0.78" (19.7mm) 8 AWG	0.78	0.59	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
0.00	164.00	12	1 1/4" Coax	1.55	0.63	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
0.00	164.00	2	2" conduit	2.38	3.65	N	0	0.00	0.00	0	0.00	N	AT&T MOBILITY
0.00	149.00	10	1 5/8" Coax	1.98	0.82	N	0	0.00	0.00	0	0.00	N	VERIZON WIRELESS
0.00	149.00	1	1 5/8" Hybriflex	1.98	1.30	N	0	0.00	0.00	0	0.00	N	VERIZON WIRELESS
0.00	149.00	1	1 5/8" Hybriflex	1.98	1.30	N	0	0.00	0.00	0	0.00	N	VERIZON WIRELESS
0.00	135.00	12	1 1/4" Coax	1.55	0.63	N	0	0.00	0.00	0	0.00	N	OTHER

Segment Properties (Max Len : 5. ft)

Seg Top Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	F'y (ksi)	S (in^3)	Z (in^3)	Weight (lb)
0.00		0.4063	48.500	62.913	18,573.8	29.31	119.38	72.7	739.8	0.0	0.0
5.00		0.4063	47.485	61.585	17,422.5	28.64	116.89	73.5	708.8	0.0	1,059.1
10.00		0.4063	46.470	60.257	16,319.7	27.97	114.39	74.2	678.4	0.0	1,036.5
15.00		0.4063	45.455	58.929	15,264.5	27.30	111.89	74.9	648.7	0.0	1,013.9
20.00		0.4063	44.440	57.602	14,255.8	26.63	109.39	75.7	619.7	0.0	991.3
25.00		0.4063	43.425	56.274	13,292.6	25.96	106.89	76.4	591.3	0.0	968.7
30.00		0.4063	42.410	54.946	12,373.7	25.29	104.39	77.1	563.6	0.0	946.1
35.00		0.4063	41.395	53.618	11,498.2	24.62	101.90	77.9	536.6	0.0	923.6
40.00		0.4063	40.380	52.291	10,665.0	23.95	99.40	78.6	510.2	0.0	901.0
43.58	Bot - Section 2	0.4063	39.653	51.339	10,093.3	23.47	97.61	79.1	491.7	0.0	631.8
45.00		0.4063	39.365	50.963	9,873.0	23.28	96.90	79.3	484.5	0.0	459.2
49.50	Top - Section 1	0.3438	39.139	42.941	8,249.4	27.83	113.86	74.4	407.2	0.0	1,436.5
50.00		0.3438	39.038	42.829	8,184.8	27.75	113.56	74.4	405.0	0.0	73.0
55.00		0.3438	38.023	41.706	7,557.4	26.96	110.61	75.3	384.0	0.0	719.1
60.00		0.3438	37.007	40.582	6,963.0	26.17	107.66	76.2	363.5	0.0	700.0
65.00		0.3438	35.993	39.459	6,400.6	25.38	104.71	77.0	343.5	0.0	680.9
70.00		0.3438	34.978	38.335	5,869.3	24.59	101.75	77.9	324.2	0.0	661.8
75.00		0.3438	33.963	37.212	5,368.2	23.79	98.80	78.8	305.4	0.0	642.7
80.00		0.3438	32.948	36.088	4,896.5	23.00	95.85	79.6	287.1	0.0	623.6
85.00		0.3438	31.933	34.965	4,453.3	22.21	92.89	80.5	269.4	0.0	604.4
86.08	Bot - Section 3	0.3438	31.713	34.721	4,360.9	22.04	92.25	80.7	265.7	0.0	128.4
90.00		0.3438	30.918	33.841	4,037.7	21.42	89.94	81.4	252.3	0.0	838.2
91.00	Top - Section 2	0.2813	31.277	28.071	3,442.2	27.12	111.21	75.1	212.6	0.0	210.6
95.00		0.2813	30.465	27.335	3,178.7	26.34	108.32	76.0	201.6	0.0	377.1
100.0		0.2813	29.450	26.416	2,868.7	25.38	104.71	77.0	188.2	0.0	457.3
105.0		0.2813	28.435	25.497	2,579.5	24.41	101.10	78.1	175.3	0.0	441.6
110.0		0.2813	27.420	24.578	2,310.5	23.44	97.49	79.1	162.8	0.0	426.0
115.0		0.2813	26.405	23.658	2,060.8	22.48	93.88	80.2	150.8	0.0	410.3
120.0		0.2813	25.390	22.739	1,829.8	21.51	90.28	81.3	139.2	0.0	394.7
120.8	Bot - Section 4	0.2813	25.221	22.586	1,793.1	21.35	89.67	81.4	137.3	0.0	64.3
125.0	Top - Section 3	0.1875	24.750	14.830	1,142.0	32.69	132.00	69.1	89.1	0.0	528.7
130.0		0.1875	23.735	14.217	1,006.2	31.24	126.59	70.6	81.9	0.0	247.1
135.0		0.1875	22.720	13.604	881.6	29.79	121.17	72.2	75.0	0.0	236.7
140.0		0.1875	21.705	12.991	767.7	28.34	115.76	73.8	68.3	0.0	226.2
145.0		0.1875	20.690	12.378	664.1	26.89	110.35	75.4	62.0	0.0	215.8
149.0		0.1875	19.878	11.888	588.3	25.73	106.02	76.7	57.2	0.0	165.1
150.0		0.1875	19.675	11.766	570.3	25.44	104.93	77.0	56.0	0.0	40.2
155.0		0.1875	18.660	11.153	485.8	23.99	99.52	78.6	50.3	0.0	195.0
159.0		0.1875	17.848	10.663	424.5	22.83	95.19	79.8	45.9	0.0	148.5
160.0	Top - Section 4	0.1875	17.645	10.540	410.0	22.54	94.11	80.1	44.9	0.0	36.1
160.0	Bot - Section 5	0.3750	14.000	16.052	372.8	0.00	37.33	35.0	53.3	69.6	
164.0		0.3750	14.000	16.052	372.8	0.00	37.33	35.0	53.3	69.6	218.5
165.0		0.3750	14.000	16.052	372.8	0.00	37.33	35.0	53.3	69.6	54.6
170.0		0.3750	14.000	16.052	372.8	0.00	37.33	35.0	53.3	69.6	273.1
173.0		0.3750	14.000	16.052	372.8	0.00	37.33	35.0	53.3	69.6	163.9
											21,571.2

Site Number: 302524 Code: ANSI/TIA-222-H

Site Name: Beacon Falls, CT Engineering Number:13668747_C3_01 5/5/2021 11:41:21 AM

Customer: VERIZON WIRELESS

Load Case: 1.2D + 1.0W 118 mph with No Ice 30 Iterations

Gust Response Factor :1.10
Dead Load Factor :1.20
Wind Load Factor :1.00

Applied Segment Forces Summary

		Shaft Forces		Discrete Forces				Linear Forces		Sum of Forces			
Seg Elev (ft)	Description	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Torsion MY (lb-ft)	Moment MZ (lb)
0.00		252.5	0.0					0.0	0.0	252.5	0.0	0.0	0.0
5.00		499.7	1,270.9					0.0	214.2	499.7	1,485.1	0.0	0.0
10.00		489.1	1,243.8					0.0	214.2	489.1	1,458.0	0.0	0.0
15.00		478.4	1,216.7					0.0	214.2	478.4	1,430.9	0.0	0.0
20.00		467.7	1,189.6					0.0	214.2	467.7	1,403.8	0.0	0.0
25.00		457.0	1,162.5					0.0	214.2	457.0	1,376.7	0.0	0.0
30.00		451.6	1,135.4					0.0	214.2	451.6	1,349.6	0.0	0.0
35.00		455.3	1,108.3					0.0	214.2	455.3	1,322.5	0.0	0.0
40.00		395.5	1,081.2					0.0	214.2	395.5	1,295.4	0.0	0.0
43.58	Bot - Section 2	233.1	758.2					0.0	153.5	233.1	911.7	0.0	0.0
45.00		280.7	551.1					0.0	60.7	280.7	611.8	0.0	0.0
49.50	Top - Section 1	237.5	1,723.8					0.0	192.8	237.5	1,916.6	0.0	0.0
50.00		261.9	87.6					0.0	21.4	261.9	109.0	0.0	0.0
55.00		476.0	863.0					0.0	214.2	476.0	1,077.2	0.0	0.0
60.00		475.0	840.0					0.0	214.2	475.0	1,054.2	0.0	0.0
65.00		472.7	817.1					0.0	214.2	472.7	1,031.3	0.0	0.0
70.00		469.2	794.1					0.0	214.2	469.2	1,008.3	0.0	0.0
75.00		464.7	771.2					0.0	214.2	464.7	985.4	0.0	0.0
80.00		459.2	748.3					0.0	214.2	459.2	962.5	0.0	0.0
85.00		277.1	725.3					0.0	214.2	277.1	939.5	0.0	0.0
86.08	Bot - Section 3	227.9	154.1					0.0	46.4	227.9	200.5	0.0	0.0
90.00		224.2	1,005.9					0.0	167.8	224.2	1,173.7	0.0	0.0
91.00	Top - Section 2	225.0	252.7					0.0	42.8	225.0	295.6	0.0	0.0
95.00		400.6	452.5					0.0	171.4	400.6	623.8	0.0	0.0
100.00		437.5	548.7					0.0	214.2	437.5	762.9	0.0	0.0
105.00		428.3	529.9					0.0	214.2	428.3	744.1	0.0	0.0
110.00		418.6	511.2					0.0	214.2	418.6	725.4	0.0	0.0
115.00		408.2	492.4					0.0	214.2	408.2	706.6	0.0	0.0
120.00		234.5	473.6					0.0	214.2	234.5	687.8	0.0	0.0
120.83	Bot - Section 4	198.3	77.1					0.0	35.7	198.3	112.8	0.0	0.0
125.00	Top - Section 3	358.3	634.4					0.0	178.5	358.3	812.9	0.0	0.0
130.00		380.0	296.5					0.0	214.2	380.0	510.7	0.0	0.0
135.00	Appurtenance(s)	367.7	284.0	1,653.5	0.0	0.0	2,088.0	0.0	214.2	2,021.2	2,586.2	0.0	0.0
140.00		355.0	271.5					0.0	168.8	355.0	440.3	0.0	0.0
145.00		308.8	259.0					0.0	168.8	308.8	427.8	0.0	0.0
149.00	Appurtenance(s)	167.5	198.2	3,938.7	0.0	483.4	3,871.9	0.0	135.1	4,106.3	4,205.2	0.0	0.0
150.00		193.6	48.3					0.0	20.8	193.6	69.1	0.0	0.0
155.00		284.0	234.0					0.0	104.0	284.0	338.0	0.0	0.0
159.00	Appurtenance(s)	153.5	178.2	1,829.4	0.0	297.5	2,558.4	0.0	83.2	1,982.9	2,819.8	0.0	0.0
160.00	Top - Section 4	88.4	43.3					0.0	20.8	88.4	64.1	0.0	0.0
164.00	Appurtenance(s)	69.2	262.2	2,488.7	0.0	0.0	1,449.7	0.0	83.2	2,557.9	1,795.1	0.0	0.0
165.00		66.1	65.5					0.0	0.0	66.1	65.5	0.0	0.0
170.00		88.5	327.7					0.0	0.0	88.5	327.7	0.0	0.0
173.00		33.3	196.6					0.0	0.0	33.3	196.6	0.0	0.0
								Totals:		24,081.3	42,421.7	0.00	0.00

Site Number: 302524 Code: ANSI/TIA-222-H

Site Name: Beacon Falls, CT Engineering Number:13668747_C3_01 5/5/2021 11:41:24 AM

Customer: VERIZON WIRELESS

Load Case: 1.2D + 1.0W 118 mph with No Ice 30 Iterations

Gust Response Factor :1.10
Dead Load Factor :1.20
Wind Load Factor :1.00

Calculated Forces

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 (deg)	Ratio
0.00	-42.38	-23.91	0.00	-2,792.32	0.00	2,792.32	4,119.11	1,104.12	5,009.17	4,036.61	0.00	0.00	0.703
5.00	-40.81	-23.56	0.00	-2,672.79	0.00	2,672.79	4,072.65	1,080.81	4,800.03	3,906.15	0.11	-0.21	0.695
10.00	-39.26	-23.21	0.00	-2,555.02	0.00	2,555.02	4,024.44	1,057.51	4,595.35	3,775.98	0.45	-0.42	0.687
15.00	-37.75	-22.86	0.00	-2,438.99	0.00	2,438.99	3,974.49	1,034.21	4,395.12	3,646.22	1.00	-0.64	0.679
20.00	-36.26	-22.52	0.00	-2,324.69	0.00	2,324.69	3,922.79	1,010.91	4,199.36	3,516.99	1.79	-0.86	0.671
25.00	-34.81	-22.17	0.00	-2,212.12	0.00	2,212.12	3,869.35	987.61	4,008.06	3,388.38	2.82	-1.09	0.662
30.00	-33.38	-21.83	0.00	-2,101.25	0.00	2,101.25	3,814.16	964.31	3,821.21	3,260.51	4.08	-1.32	0.654
35.00	-31.98	-21.47	0.00	-1,992.10	0.00	1,992.10	3,757.23	941.00	3,638.83	3,133.48	5.59	-1.55	0.645
40.00	-30.62	-21.15	0.00	-1,884.73	0.00	1,884.73	3,698.55	917.70	3,460.90	3,007.41	7.34	-1.79	0.636
43.58	-29.67	-20.95	0.00	-1,808.93	0.00	1,808.93	3,655.42	901.00	3,336.13	2,917.71	8.76	-1.97	0.629
45.00	-29.02	-20.73	0.00	-1,779.25	0.00	1,779.25	3,638.13	894.40	3,287.44	2,882.41	9.36	-2.04	0.626
49.50	-27.07	-20.48	0.00	-1,685.98	0.00	1,685.98	2,873.94	753.62	2,758.08	2,270.93	11.39	-2.27	0.753
50.00	-26.91	-20.28	0.00	-1,675.74	0.00	1,675.74	2,869.74	751.65	2,743.67	2,261.63	11.63	-2.29	0.751
55.00	-25.76	-19.89	0.00	-1,574.32	0.00	1,574.32	2,826.86	731.93	2,601.66	2,168.87	14.18	-2.58	0.736
60.00	-24.63	-19.49	0.00	-1,474.87	0.00	1,474.87	2,782.22	712.22	2,463.42	2,076.61	17.03	-2.86	0.720
65.00	-23.53	-19.09	0.00	-1,377.42	0.00	1,377.42	2,735.84	692.50	2,328.96	1,984.94	20.18	-3.15	0.703
70.00	-22.45	-18.68	0.00	-1,282.00	0.00	1,282.00	2,687.72	672.78	2,198.27	1,893.97	23.64	-3.45	0.686
75.00	-21.40	-18.26	0.00	-1,188.62	0.00	1,188.62	2,637.85	653.07	2,071.35	1,803.82	27.41	-3.75	0.668
80.00	-20.38	-17.85	0.00	-1,097.31	0.00	1,097.31	2,586.24	633.35	1,948.21	1,714.59	31.50	-4.05	0.649
85.00	-19.40	-17.57	0.00	-1,008.07	0.00	1,008.07	2,532.88	613.63	1,828.84	1,626.39	35.90	-4.36	0.628
86.08	-19.17	-17.38	0.00	-989.04	0.00	989.04	2,521.09	609.36	1,803.47	1,607.43	36.90	-4.43	0.624
90.00	-17.98	-17.11	0.00	-920.99	0.00	920.99	2,477.77	593.92	1,713.24	1,539.34	40.63	-4.67	0.606
91.00	-17.65	-16.91	0.00	-903.88	0.00	903.88	1,898.25	492.64	1,440.49	1,198.15	41.61	-4.74	0.765
95.00	-16.98	-16.55	0.00	-836.25	0.00	836.25	1,869.28	479.73	1,366.03	1,148.68	45.68	-4.99	0.738
100.00	-16.16	-16.14	0.00	-753.53	0.00	753.53	1,831.49	463.60	1,275.73	1,087.26	51.09	-5.34	0.703
105.00	-15.36	-15.74	0.00	-672.82	0.00	672.82	1,791.96	447.47	1,188.52	1,026.42	56.86	-5.69	0.665
110.00	-14.59	-15.34	0.00	-594.13	0.00	594.13	1,750.69	431.34	1,104.39	966.27	63.00	-6.04	0.624
115.00	-13.84	-14.94	0.00	-517.45	0.00	517.45	1,707.67	415.20	1,023.36	906.92	69.51	-6.39	0.580
120.00	-13.14	-14.67	0.00	-442.77	0.00	442.77	1,662.90	399.07	945.41	848.46	76.36	-6.72	0.531
120.83	-13.01	-14.49	0.00	-430.55	0.00	430.55	1,655.27	396.38	932.72	838.82	77.54	-6.77	0.522
125.00	-12.18	-14.10	0.00	-370.15	0.00	370.15	921.74	260.26	603.00	461.70	83.55	-7.04	0.818
130.00	-11.64	-13.73	0.00	-299.65	0.00	299.65	903.89	249.50	554.21	433.91	91.07	-7.33	0.706
135.00	-9.27	-11.44	0.00	-231.00	0.00	231.00	884.30	238.75	507.47	406.06	98.93	-7.71	0.582
140.00	-8.82	-11.08	0.00	-173.78	0.00	173.78	862.96	228.00	462.79	378.26	107.16	-8.04	0.472
145.00	-8.40	-10.74	0.00	-118.40	0.00	118.40	839.88	217.24	420.18	350.63	115.70	-8.31	0.350
149.00	-4.83	-6.07	0.00	-74.94	0.00	74.94	820.16	208.64	387.56	328.71	122.71	-8.47	0.235
150.00	-4.78	-5.88	0.00	-68.87	0.00	68.87	815.05	206.49	379.62	323.27	124.48	-8.51	0.220
155.00	-4.48	-5.56	0.00	-39.46	0.00	39.46	788.48	195.73	341.11	296.28	133.44	-8.64	0.140
159.00	-1.99	-3.17	0.00	-16.94	0.00	16.94	765.97	187.13	311.79	275.05	140.68	-8.71	0.064
160.00	-1.94	-3.08	0.00	-13.77	0.00	13.77	760.16	184.98	304.67	269.79	142.50	-8.72	0.054
160.00	-1.94	-3.08	0.00	-13.77	0.00	13.77	505.62	151.69	181.70	182.79	142.50	-8.72	0.080
164.00	-0.55	-0.28	0.00	-1.46	0.00	1.46	505.62	151.69	181.70	182.79	149.79	-8.74	0.009
165.00	-0.50	-0.20	0.00	-1.19	0.00	1.19	505.62	151.69	181.70	182.79	151.61	-8.74	0.007

Load Case: 1.2D + 1.0W 118 mph with No Ice 30 Iterations

Gust Response Factor :1.10
Dead Load Factor :1.20
Wind Load Factor :1.00

170.00	-0.19	-0.06	0.00	-0.19	0.00	0.19	505.62	151.69	181.70	182.79	160.73	-8.74	0.001
173.00	0.00	-0.03	0.00	0.00	0.00	0.00	505.62	151.69	181.70	182.79	166.20	-8.74	0.000

Load Case: 0.9D + 1.0W — 118 mph with No Ice (Reduced DL) — 30 Iterations

Gust Response Factor :1.10
Dead Load Factor :0.90
Wind Load Factor :1.00

Applied Segment Forces Summary

		Shaft Forces		Discrete Forces				Linear Forces		Sum of Forces			
Seg Elev (ft)	Description	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Torsion MY (lb-ft)	Moment MZ (lb)
0.00		252.5	0.0					0.0	0.0	252.5	0.0	0.0	0.0
5.00		499.7	953.2					0.0	160.6	499.7	1,113.8	0.0	0.0
10.00		489.1	932.9					0.0	160.6	489.1	1,093.5	0.0	0.0
15.00		478.4	912.5					0.0	160.6	478.4	1,073.2	0.0	0.0
20.00		467.7	892.2					0.0	160.6	467.7	1,052.8	0.0	0.0
25.00		457.0	871.9					0.0	160.6	457.0	1,032.5	0.0	0.0
30.00		451.6	851.5					0.0	160.6	451.6	1,012.2	0.0	0.0
35.00		455.3	831.2					0.0	160.6	455.3	991.8	0.0	0.0
40.00		395.5	810.9					0.0	160.6	395.5	971.5	0.0	0.0
43.58	Bot - Section 2	233.1	568.6					0.0	115.1	233.1	683.7	0.0	0.0
45.00		280.7	413.3					0.0	45.5	280.7	458.8	0.0	0.0
49.50	Top - Section 1	237.5	1,292.9					0.0	144.6	237.5	1,437.4	0.0	0.0
50.00		261.9	65.7					0.0	16.1	261.9	81.7	0.0	0.0
55.00		476.0	647.2					0.0	160.6	476.0	807.9	0.0	0.0
60.00		475.0	630.0					0.0	160.6	475.0	790.7	0.0	0.0
65.00		472.7	612.8					0.0	160.6	472.7	773.5	0.0	0.0
70.00		469.2	595.6					0.0	160.6	469.2	756.3	0.0	0.0
75.00		464.7	578.4					0.0	160.6	464.7	739.1	0.0	0.0
80.00		459.2	561.2					0.0	160.6	459.2	721.9	0.0	0.0
85.00		277.1	544.0					0.0	160.6	277.1	704.7	0.0	0.0
86.08	Bot - Section 3	227.9	115.6					0.0	34.8	227.9	150.4	0.0	0.0
90.00		224.2	754.4					0.0	125.8	224.2	880.3	0.0	0.0
91.00	Top - Section 2	225.0	189.5					0.0	32.1	225.0	221.7	0.0	0.0
95.00		400.6	339.4					0.0	128.5	400.6	467.9	0.0	0.0
100.00		437.5	411.5					0.0	160.6	437.5	572.2	0.0	0.0
105.00		428.3	397.5					0.0	160.6	428.3	558.1	0.0	0.0
110.00		418.6	383.4					0.0	160.6	418.6	544.0	0.0	0.0
115.00		408.2	369.3					0.0	160.6	408.2	530.0	0.0	0.0
120.00		234.5	355.2					0.0	160.6	234.5	515.9	0.0	0.0
120.83	Bot - Section 4	198.3	57.8					0.0	26.8	198.3	84.6	0.0	0.0
125.00	Top - Section 3	358.3	475.8					0.0	133.9	358.3	609.7	0.0	0.0
130.00		380.0	222.4					0.0	160.6	380.0	383.0	0.0	0.0
135.00	Appurtenance(s)	367.7	213.0	1,653.5	0.0	0.0	1,566.0	0.0	160.6	2,021.2	1,939.7	0.0	0.0
140.00		355.0	203.6					0.0	126.6	355.0	330.2	0.0	0.0
145.00		308.8	194.2					0.0	126.6	308.8	320.9	0.0	0.0
149.00	Appurtenance(s)	167.5	148.6	3,938.7	0.0	483.4	2,903.9	0.0	101.3	4,106.3	3,153.9	0.0	0.0
150.00		193.6	36.2					0.0	15.6	193.6	51.8	0.0	0.0
155.00		284.0	175.5					0.0	78.0	284.0	253.5	0.0	0.0
159.00	Appurtenance(s)	153.5	133.6	1,829.4	0.0	297.5	1,918.8	0.0	62.4	1,982.9	2,114.8	0.0	0.0
160.00	Top - Section 4	88.4	32.5					0.0	15.6	88.4	48.1	0.0	0.0
164.00	Appurtenance(s)	69.2	196.6	2,488.7	0.0	0.0	1,087.3	0.0	62.4	2,557.9	1,346.3	0.0	0.0
165.00		66.1	49.2					0.0	0.0	66.1	49.2	0.0	0.0
170.00		88.5	245.8					0.0	0.0	88.5	245.8	0.0	0.0
173.00		33.3	147.5					0.0	0.0	33.3	147.5	0.0	0.0
								Totals:		24,081.3	31,816.3	0.00	0.00

Site Number: 302524 Code: ANSI/TIA-222-H

Site Name: Beacon Falls, CT Engineering Number:13668747_C3_01 5/5/2021 11:41:27 AM

Customer: VERIZON WIRELESS

Load Case: 0.9D + 1.0W 118 mph with No Ice (Reduced DL) 30 Iterations

Gust Response Factor :1.10
Dead Load Factor :0.90
Wind Load Factor :1.00

Calculated Forces

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 (deg)	Ratio
0.00	-31.77	-23.89	0.00	-2,739.37	0.00	2,739.37	4,119.11	1,104.12	5,009.17	4,036.61	0.00	0.00	0.687
5.00	-30.57	-23.50	0.00	-2,619.94	0.00	2,619.94	4,072.65	1,080.81	4,800.03	3,906.15	0.11	-0.21	0.679
10.00	-29.40	-23.11	0.00	-2,502.46	0.00	2,502.46	4,024.44	1,057.51	4,595.35	3,775.98	0.44	-0.41	0.671
15.00	-28.25	-22.73	0.00	-2,386.92	0.00	2,386.92	3,974.49	1,034.21	4,395.12	3,646.22	0.98	-0.63	0.662
20.00	-27.11	-22.35	0.00	-2,273.29	0.00	2,273.29	3,922.79	1,010.91	4,199.36	3,516.99	1.76	-0.84	0.654
25.00	-26.00	-21.98	0.00	-2,161.54	0.00	2,161.54	3,869.35	987.61	4,008.06	3,388.38	2.76	-1.07	0.645
30.00	-24.91	-21.60	0.00	-2,051.66	0.00	2,051.66	3,814.16	964.31	3,821.21	3,260.51	4.00	-1.29	0.636
35.00	-23.85	-21.22	0.00	-1,943.64	0.00	1,943.64	3,757.23	941.00	3,638.83	3,133.48	5.47	-1.52	0.627
40.00	-22.82	-20.88	0.00	-1,837.54	0.00	1,837.54	3,698.55	917.70	3,460.90	3,007.41	7.19	-1.75	0.618
43.58	-22.10	-20.67	0.00	-1,762.72	0.00	1,762.72	3,655.42	901.00	3,336.13	2,917.71	8.57	-1.93	0.611
45.00	-21.60	-20.43	0.00	-1,733.44	0.00	1,733.44	3,638.13	894.40	3,287.44	2,882.41	9.16	-2.00	0.608
49.50	-20.12	-20.18	0.00	-1,641.51	0.00	1,641.51	2,873.94	753.62	2,758.08	2,270.93	11.14	-2.22	0.731
50.00	-20.00	-19.97	0.00	-1,631.42	0.00	1,631.42	2,869.74	751.65	2,743.67	2,261.63	11.38	-2.24	0.729
55.00	-19.12	-19.55	0.00	-1,531.58	0.00	1,531.58	2,826.86	731.93	2,601.66	2,168.87	13.87	-2.52	0.714
60.00	-18.26	-19.13	0.00	-1,433.82	0.00	1,433.82	2,782.22	712.22	2,463.42	2,076.61	16.65	-2.79	0.698
65.00	-17.42	-18.71	0.00	-1,338.16	0.00	1,338.16	2,735.84	692.50	2,328.96	1,984.94	19.73	-3.08	0.681
70.00	-16.60	-18.28	0.00	-1,244.63	0.00	1,244.63	2,687.72	672.78	2,198.27	1,893.97	23.10	-3.36	0.664
75.00	-15.80	-17.85	0.00	-1,153.23	0.00	1,153.23	2,637.85	653.07	2,071.35	1,803.82	26.78	-3.66	0.646
80.00	-15.02	-17.42	0.00	-1,063.98	0.00	1,063.98	2,586.24	633.35	1,948.21	1,714.59	30.77	-3.95	0.627
85.00	-14.28	-17.14	0.00	-976.87	0.00	976.87	2,532.88	613.63	1,828.84	1,626.39	35.06	-4.25	0.607
86.08	-14.10	-16.94	0.00	-958.30	0.00	958.30	2,521.09	609.36	1,803.47	1,607.43	36.03	-4.31	0.603
90.00	-13.20	-16.68	0.00	-891.95	0.00	891.95	2,477.77	593.92	1,713.24	1,539.34	39.66	-4.55	0.586
91.00	-12.95	-16.48	0.00	-875.27	0.00	875.27	1,898.25	492.64	1,440.49	1,198.15	40.62	-4.61	0.738
95.00	-12.44	-16.10	0.00	-809.37	0.00	809.37	1,869.28	479.73	1,366.03	1,148.68	44.58	-4.85	0.712
100.00	-11.81	-15.69	0.00	-728.86	0.00	728.86	1,831.49	463.60	1,275.73	1,087.26	49.84	-5.20	0.678
105.00	-11.20	-15.28	0.00	-650.43	0.00	650.43	1,791.96	447.47	1,188.52	1,026.42	55.46	-5.54	0.641
110.00	-10.62	-14.87	0.00	-574.05	0.00	574.05	1,750.69	431.34	1,104.39	966.27	61.44	-5.88	0.601
115.00	-10.05	-14.46	0.00	-499.72	0.00	499.72	1,707.67	415.20	1,023.36	906.92	67.76	-6.21	0.558
120.00	-9.52	-14.20	0.00	-427.41	0.00	427.41	1,662.90	399.07	945.41	848.46	74.42	-6.53	0.511
120.83	-9.42	-14.02	0.00	-415.57	0.00	415.57	1,655.27	396.38	932.72	838.82	75.56	-6.58	0.502
125.00	-8.79	-13.64	0.00	-357.15	0.00	357.15	921.74	260.26	603.00	461.70	81.41	-6.84	0.786
130.00	-8.38	-13.26	0.00	-288.97	0.00	288.97	903.89	249.50	554.21	433.91	88.71	-7.12	0.678
135.00	-6.65	-11.05	0.00	-222.67	0.00	222.67	884.30	238.75	507.47	406.06	96.35	-7.48	0.558
140.00	-6.32	-10.68	0.00	-167.43	0.00	167.43	862.96	228.00	462.79	378.26	104.34	-7.80	0.452
145.00	-6.00	-10.36	0.00	-114.01	0.00	114.01	839.88	217.24	420.18	350.63	112.63	-8.06	0.335
149.00	-3.45	-5.85	0.00	-72.10	0.00	72.10	820.16	208.64	387.56	328.71	119.43	-8.22	0.224
150.00	-3.42	-5.66	0.00	-66.25	0.00	66.25	815.05	206.49	379.62	323.27	121.15	-8.25	0.210
155.00	-3.20	-5.34	0.00	-37.97	0.00	37.97	788.48	195.73	341.11	296.28	129.84	-8.38	0.133
159.00	-1.40	-3.07	0.00	-16.30	0.00	16.30	765.97	187.13	311.79	275.05	136.87	-8.45	0.061
160.00	-1.36	-2.98	0.00	-13.22	0.00	13.22	760.16	184.98	304.67	269.79	138.63	-8.46	0.051
160.00	-1.36	-2.98	0.00	-13.22	0.00	13.22	505.62	151.69	181.70	182.79	138.63	-8.46	0.075
164.00	-0.41	-0.25	0.00	-1.31	0.00	1.31	505.62	151.69	181.70	182.79	145.70	-8.48	0.008
165.00	-0.37	-0.18	0.00	-1.06	0.00	1.06	505.62	151.69	181.70	182.79	147.47	-8.48	0.007

Load Case: 0.9D + 1.0W 118 mph with No Ice (Reduced DL) 30 Iterations

Gust Response Factor :1.10
Dead Load Factor :0.90
Wind Load Factor :1.00

170.00	-0.14	-0.05	0.00	-0.16	0.00	0.16	505.62	151.69	181.70	182.79	156.32	-8.48	0.001
173.00	0.00	-0.03	0.00	0.00	0.00	0.00	505.62	151.69	181.70	182.79	161.62	-8.48	0.000

Load Case: 1.2D + 1.0Di + 1.0Wi — 50 mph with 1.00 in Radial Ice — 29 Iterations

Gust Response Factor :1.10 Ice Dead Load Factor :1.00
Dead Load Factor :1.20 Ice Importance Factor :1.00
Wind Load Factor :1.00

Applied Segment Forces Summary

Seg Elev (ft)	Description	Shaft Forces Wind FX (lb)	Shaft Forces Dead Load (lb)	Discrete Forces Wind FX (lb)	Discrete Forces Torsion MY (lb-ft)	Discrete Forces Moment MZ (lb-ft)	Discrete Forces Dead Load (lb)	Linear Forces Wind FX (lb)	Linear Forces Dead Load (lb)	Sum of Forces Wind FX (lb)	Sum of Forces Dead Load (lb)	Sum of Forces Torsion MY (lb-ft)	Sum of Forces Moment MZ (lb)
0.00		59.1	0.0					0.0	0.0	59.1	0.0	0.0	0.0
5.00		117.1	1,512.4					0.0	214.2	117.1	1,726.6	0.0	0.0
10.00		115.0	1,508.2					0.0	214.2	115.0	1,722.4	0.0	0.0
15.00		112.7	1,489.2					0.0	214.2	112.7	1,703.4	0.0	0.0
20.00		110.5	1,465.5					0.0	214.2	110.5	1,679.7	0.0	0.0
25.00		108.1	1,439.2					0.0	214.2	108.1	1,653.4	0.0	0.0
30.00		107.0	1,411.3					0.0	214.2	107.0	1,625.5	0.0	0.0
35.00		108.1	1,382.4					0.0	214.2	108.1	1,596.6	0.0	0.0
40.00		94.1	1,352.7					0.0	214.2	94.1	1,566.9	0.0	0.0
43.58	Bot - Section 2	55.5	951.5					0.0	153.5	55.5	1,105.0	0.0	0.0
45.00		66.9	628.7					0.0	60.7	66.9	689.4	0.0	0.0
49.50	Top - Section 1	56.6	1,966.5					0.0	192.8	56.6	2,159.3	0.0	0.0
50.00		62.5	114.6					0.0	21.4	62.5	136.0	0.0	0.0
55.00		113.7	1,128.0					0.0	214.2	113.7	1,342.2	0.0	0.0
60.00		113.7	1,100.6					0.0	214.2	113.7	1,314.8	0.0	0.0
65.00		113.4	1,072.9					0.0	214.2	113.4	1,287.1	0.0	0.0
70.00		112.7	1,044.9					0.0	214.2	112.7	1,259.1	0.0	0.0
75.00		111.9	1,016.7					0.0	214.2	111.9	1,230.9	0.0	0.0
80.00		110.8	988.3					0.0	214.2	110.8	1,202.5	0.0	0.0
85.00		67.0	959.7					0.0	214.2	67.0	1,173.9	0.0	0.0
86.08	Bot - Section 3	55.1	204.8					0.0	46.4	55.1	251.2	0.0	0.0
90.00		54.3	1,188.2					0.0	167.8	54.3	1,356.0	0.0	0.0
91.00	Top - Section 2	54.6	299.1					0.0	42.8	54.6	341.9	0.0	0.0
95.00		97.3	633.9					0.0	171.4	97.3	805.2	0.0	0.0
100.00		106.5	769.2					0.0	214.2	106.5	983.4	0.0	0.0
105.00		104.6	744.2					0.0	214.2	104.6	958.4	0.0	0.0
110.00		102.5	719.1					0.0	214.2	102.5	933.3	0.0	0.0
115.00		100.3	693.9					0.0	214.2	100.3	908.1	0.0	0.0
120.00		57.7	668.6					0.0	214.2	57.7	882.8	0.0	0.0
120.83	Bot - Section 4	48.9	109.5					0.0	35.7	48.9	145.2	0.0	0.0
125.00	Top - Section 3	88.5	793.7					0.0	178.5	88.5	972.2	0.0	0.0
130.00		94.2	480.8					0.0	214.2	94.2	695.0	0.0	0.0
135.00	Appurtenance(s)	91.6	461.5	436.1	0.0	0.0	2,735.8	0.0	214.2	527.7	3,411.5	0.0	0.0
140.00		88.8	442.1					0.0	168.8	88.8	610.9	0.0	0.0
145.00		77.6	422.6					0.0	168.8	77.6	591.4	0.0	0.0
149.00	Appurtenance(s)	42.2	324.6	874.2	0.0	82.2	6,094.0	0.0	135.1	916.5	6,553.7	0.0	0.0
150.00		49.0	79.7					0.0	20.8	49.0	100.5	0.0	0.0
155.00		72.2	383.4					0.0	104.0	72.2	487.5	0.0	0.0
159.00	Appurtenance(s)	39.2	293.2	440.2	0.0	82.2	3,392.2	0.0	83.2	479.4	3,768.6	0.0	0.0
160.00	Top - Section 4	32.1	71.8					0.0	20.8	32.1	92.6	0.0	0.0
164.00	Appurtenance(s)	30.0	349.1	549.2	0.0	0.0	2,884.0	0.0	83.2	579.2	3,316.3	0.0	0.0
165.00		33.9	87.3					0.0	0.0	33.9	87.3	0.0	0.0
170.00		45.3	436.7					0.0	0.0	45.3	436.7	0.0	0.0
173.00		17.1	262.2					0.0	0.0	17.1	262.2	0.0	0.0
								Totals:		5,799.57	55,126.7	0.00	0.00

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph with 1.00 in Radial Ice 29 Iterations

Gust Response Factor :1.10 Ice Dead Load Factor :1.00
Dead Load Factor :1.20 Ice Importance Factor :1.00
Wind Load Factor :1.00

Calculated Forces

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 (deg)	Ratio
0.00	-55.12	-5.77	0.00	-700.77	0.00	700.77	4,119.11	1,104.12	5,009.17	4,036.61	0.00	0.00	0.187
5.00	-53.39	-5.70	0.00	-671.94	0.00	671.94	4,072.65	1,080.81	4,800.03	3,906.15	0.03	-0.05	0.185
10.00	-51.66	-5.63	0.00	-643.46	0.00	643.46	4,024.44	1,057.51	4,595.35	3,775.98	0.11	-0.11	0.183
15.00	-49.96	-5.56	0.00	-615.31	0.00	615.31	3,974.49	1,034.21	4,395.12	3,646.22	0.25	-0.16	0.181
20.00	-48.27	-5.49	0.00	-587.51	0.00	587.51	3,922.79	1,010.91	4,199.36	3,516.99	0.45	-0.22	0.179
25.00	-46.61	-5.42	0.00	-560.05	0.00	560.05	3,869.35	987.61	4,008.06	3,388.38	0.71	-0.27	0.177
30.00	-44.98	-5.35	0.00	-532.93	0.00	532.93	3,814.16	964.31	3,821.21	3,260.51	1.03	-0.33	0.175
35.00	-43.38	-5.28	0.00	-506.16	0.00	506.16	3,757.23	941.00	3,638.83	3,133.48	1.41	-0.39	0.173
40.00	-41.81	-5.22	0.00	-479.75	0.00	479.75	3,698.55	917.70	3,460.90	3,007.41	1.85	-0.45	0.171
43.58	-40.70	-5.17	0.00	-461.06	0.00	461.06	3,655.42	901.00	3,336.13	2,917.71	2.21	-0.50	0.169
45.00	-40.01	-5.13	0.00	-453.73	0.00	453.73	3,638.13	894.40	3,287.44	2,882.41	2.36	-0.52	0.168
49.50	-37.85	-5.07	0.00	-430.66	0.00	430.66	2,873.94	753.62	2,758.08	2,270.93	2.88	-0.57	0.203
50.00	-37.71	-5.03	0.00	-428.13	0.00	428.13	2,869.74	751.65	2,743.67	2,261.63	2.94	-0.58	0.202
55.00	-36.36	-4.95	0.00	-402.96	0.00	402.96	2,826.86	731.93	2,601.66	2,168.87	3.58	-0.65	0.199
60.00	-35.04	-4.87	0.00	-378.21	0.00	378.21	2,782.22	712.22	2,463.42	2,076.61	4.31	-0.73	0.195
65.00	-33.75	-4.78	0.00	-353.88	0.00	353.88	2,735.84	692.50	2,328.96	1,984.94	5.11	-0.80	0.191
70.00	-32.49	-4.69	0.00	-329.98	0.00	329.98	2,687.72	672.78	2,198.27	1,893.97	5.99	-0.88	0.186
75.00	-31.25	-4.60	0.00	-306.51	0.00	306.51	2,637.85	653.07	2,071.35	1,803.82	6.95	-0.95	0.182
80.00	-30.05	-4.51	0.00	-283.50	0.00	283.50	2,586.24	633.35	1,948.21	1,714.59	7.99	-1.03	0.177
85.00	-28.87	-4.45	0.00	-260.93	0.00	260.93	2,532.88	613.63	1,828.84	1,626.39	9.11	-1.11	0.172
86.08	-28.62	-4.41	0.00	-256.11	0.00	256.11	2,521.09	609.36	1,803.47	1,607.43	9.37	-1.13	0.171
90.00	-27.26	-4.35	0.00	-238.84	0.00	238.84	2,477.77	593.92	1,713.24	1,539.34	10.32	-1.19	0.166
91.00	-26.92	-4.30	0.00	-234.50	0.00	234.50	1,898.25	492.64	1,440.49	1,198.15	10.57	-1.21	0.210
95.00	-26.11	-4.23	0.00	-217.28	0.00	217.28	1,869.28	479.73	1,366.03	1,148.68	11.61	-1.27	0.203
100.00	-25.12	-4.14	0.00	-196.16	0.00	196.16	1,831.49	463.60	1,275.73	1,087.26	13.00	-1.37	0.194
105.00	-24.16	-4.05	0.00	-175.48	0.00	175.48	1,791.96	447.47	1,188.52	1,026.42	14.48	-1.46	0.185
110.00	-23.22	-3.96	0.00	-155.24	0.00	155.24	1,750.69	431.34	1,104.39	966.27	16.06	-1.55	0.174
115.00	-22.31	-3.87	0.00	-135.46	0.00	135.46	1,707.67	415.20	1,023.36	906.92	17.73	-1.64	0.163
120.00	-21.43	-3.80	0.00	-116.14	0.00	116.14	1,662.90	399.07	945.41	848.46	19.49	-1.73	0.150
120.83	-21.28	-3.76	0.00	-112.97	0.00	112.97	1,655.27	396.38	932.72	838.82	19.79	-1.74	0.148
125.00	-20.31	-3.67	0.00	-97.29	0.00	97.29	921.74	260.26	603.00	461.70	21.35	-1.81	0.233
130.00	-19.61	-3.58	0.00	-78.94	0.00	78.94	903.89	249.50	554.21	433.91	23.28	-1.89	0.204
135.00	-16.21	-2.97	0.00	-61.01	0.00	61.01	884.30	238.75	507.47	406.06	25.32	-1.99	0.169
140.00	-15.60	-2.88	0.00	-46.17	0.00	46.17	862.96	228.00	462.79	378.26	27.45	-2.07	0.140
145.00	-15.01	-2.80	0.00	-31.78	0.00	31.78	839.88	217.24	420.18	350.63	29.66	-2.15	0.109
149.00	-8.50	-1.63	0.00	-20.52	0.00	20.52	820.16	208.64	387.56	328.71	31.48	-2.19	0.073
150.00	-8.40	-1.59	0.00	-18.88	0.00	18.88	815.05	206.49	379.62	323.27	31.94	-2.20	0.069
155.00	-7.91	-1.50	0.00	-10.95	0.00	10.95	788.48	195.73	341.11	296.28	34.26	-2.24	0.047
159.00	-4.16	-0.87	0.00	-4.88	0.00	4.88	765.97	187.13	311.79	275.05	36.14	-2.26	0.023
160.00	-4.07	-0.84	0.00	-4.01	0.00	4.01	760.16	184.98	304.67	269.79	36.62	-2.26	0.020
160.00	-4.07	-0.84	0.00	-4.01	0.00	4.01	505.62	151.69	181.70	182.79	36.62	-2.26	0.030
164.00	-0.78	-0.13	0.00	-0.66	0.00	0.66	505.62	151.69	181.70	182.79	38.51	-2.27	0.005
165.00	-0.70	-0.09	0.00	-0.53	0.00	0.53	505.62	151.69	181.70	182.79	38.99	-2.27	0.004

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph with 1.00 in Radial Ice 29 Iterations

Gust Response Factor :1.10 Ice Dead Load Factor :1.00
Dead Load Factor :1.20 Ice Importance Factor :1.00
Wind Load Factor :1.00

170.00	-0.26	-0.03	0.00	-0.08	0.00	0.08	505.62	151.69	181.70	182.79	41.36	-2.27	0.001
173.00	0.00	-0.02	0.00	0.00	0.00	0.00	505.62	151.69	181.70	182.79	42.79	-2.27	0.000

Load Case: 1.0D + 1.0W Serviceability 60 mph 28 Iterations

Gust Response Factor :1.10
Dead Load Factor :1.00
Wind Load Factor :1.00

Applied Segment Forces Summary

		Shaft Forces		Discrete Forces				Linear Forces		Sum of Forces			
Seg Elev (ft)	Description	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Wind FX (lb)	Dead Load (lb)	Torsion MY (lb-ft)	Moment MZ (lb)
0.00		58.4	0.0					0.0	0.0	58.4	0.0	0.0	0.0
5.00		115.6	1,059.1					0.0	178.5	115.6	1,237.6	0.0	0.0
10.00		113.1	1,036.5					0.0	178.5	113.1	1,215.0	0.0	0.0
15.00		110.7	1,013.9					0.0	178.5	110.7	1,192.4	0.0	0.0
20.00		108.2	991.3					0.0	178.5	108.2	1,169.8	0.0	0.0
25.00		105.7	968.7					0.0	178.5	105.7	1,147.2	0.0	0.0
30.00		104.5	946.1					0.0	178.5	104.5	1,124.6	0.0	0.0
35.00		105.3	923.6					0.0	178.5	105.3	1,102.1	0.0	0.0
40.00		91.5	901.0					0.0	178.5	91.5	1,079.5	0.0	0.0
43.58	Bot - Section 2	53.9	631.8					0.0	127.9	53.9	759.7	0.0	0.0
45.00		64.9	459.2					0.0	50.6	64.9	509.8	0.0	0.0
49.50	Top - Section 1	54.9	1,436.5					0.0	160.7	54.9	1,597.2	0.0	0.0
50.00		60.6	73.0					0.0	17.8	60.6	90.8	0.0	0.0
55.00		110.1	719.1					0.0	178.5	110.1	897.6	0.0	0.0
60.00		109.9	700.0					0.0	178.5	109.9	878.5	0.0	0.0
65.00		109.3	680.9					0.0	178.5	109.3	859.4	0.0	0.0
70.00		108.5	661.8					0.0	178.5	108.5	840.3	0.0	0.0
75.00		107.5	642.7					0.0	178.5	107.5	821.2	0.0	0.0
80.00		106.2	623.6					0.0	178.5	106.2	802.1	0.0	0.0
85.00		64.1	604.4					0.0	178.5	64.1	782.9	0.0	0.0
86.08	Bot - Section 3	52.7	128.4					0.0	38.7	52.7	167.1	0.0	0.0
90.00		51.9	838.2					0.0	139.8	51.9	978.1	0.0	0.0
91.00	Top - Section 2	52.1	210.6					0.0	35.7	52.1	246.3	0.0	0.0
95.00		92.7	377.1					0.0	142.8	92.7	519.9	0.0	0.0
100.00		101.2	457.3					0.0	178.5	101.2	635.8	0.0	0.0
105.00		99.1	441.6					0.0	178.5	99.1	620.1	0.0	0.0
110.00		96.8	426.0					0.0	178.5	96.8	604.5	0.0	0.0
115.00		94.4	410.3					0.0	178.5	94.4	588.8	0.0	0.0
120.00		54.2	394.7					0.0	178.5	54.2	573.2	0.0	0.0
120.83	Bot - Section 4	45.9	64.3					0.0	29.7	45.9	94.0	0.0	0.0
125.00	Top - Section 3	82.9	528.7					0.0	148.8	82.9	677.4	0.0	0.0
130.00		87.9	247.1					0.0	178.5	87.9	425.6	0.0	0.0
135.00	Appurtenance(s)	85.1	236.7	382.5	0.0	0.0	1,740.0	0.0	178.5	467.6	2,155.2	0.0	0.0
140.00		82.1	226.2					0.0	140.7	82.1	366.9	0.0	0.0
145.00		71.4	215.8					0.0	140.7	71.4	356.5	0.0	0.0
149.00	Appurtenance(s)	38.8	165.1	911.1	0.0	111.8	3,226.6	0.0	112.6	949.9	3,504.3	0.0	0.0
150.00		44.8	40.2					0.0	17.3	44.8	57.6	0.0	0.0
155.00		65.7	195.0					0.0	86.7	65.7	281.7	0.0	0.0
159.00	Appurtenance(s)	35.5	148.5	423.2	0.0	68.8	2,132.0	0.0	69.4	458.7	2,349.8	0.0	0.0
160.00	Top - Section 4	21.2	36.1					0.0	17.3	21.2	53.4	0.0	0.0
164.00	Appurtenance(s)	16.9	218.5	575.7	0.0	0.0	1,208.1	0.0	69.4	592.6	1,495.9	0.0	0.0
165.00		16.3	54.6					0.0	0.0	16.3	54.6	0.0	0.0
170.00		21.7	273.1					0.0	0.0	21.7	273.1	0.0	0.0
173.00		8.2	163.9					0.0	0.0	8.2	163.9	0.0	0.0
								Totals:		5,575.04	35,351.4	0.00	0.00

Load Case: 1.0D + 1.0W Serviceability 60 mph 28 Iterations

Gust Response Factor :1.10
Dead Load Factor :1.00
Wind Load Factor :1.00

Calculated Forces

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 (deg)	Ratio
0.00	-35.35	-5.53	0.00	-640.12	0.00	640.12	4,119.11	1,104.12	5,009.17	4,036.61	0.00	0.00	0.167
5.00	-34.11	-5.44	0.00	-612.46	0.00	612.46	4,072.65	1,080.81	4,800.03	3,906.15	0.03	-0.05	0.165
10.00	-32.89	-5.36	0.00	-585.25	0.00	585.25	4,024.44	1,057.51	4,595.35	3,775.98	0.10	-0.10	0.163
15.00	-31.69	-5.27	0.00	-558.46	0.00	558.46	3,974.49	1,034.21	4,395.12	3,646.22	0.23	-0.15	0.161
20.00	-30.52	-5.19	0.00	-532.10	0.00	532.10	3,922.79	1,010.91	4,199.36	3,516.99	0.41	-0.20	0.159
25.00	-29.37	-5.10	0.00	-506.17	0.00	506.17	3,869.35	987.61	4,008.06	3,388.38	0.65	-0.25	0.157
30.00	-28.24	-5.02	0.00	-480.65	0.00	480.65	3,814.16	964.31	3,821.21	3,260.51	0.93	-0.30	0.155
35.00	-27.13	-4.93	0.00	-455.55	0.00	455.55	3,757.23	941.00	3,638.83	3,133.48	1.28	-0.36	0.153
40.00	-26.05	-4.86	0.00	-430.87	0.00	430.87	3,698.55	917.70	3,460.90	3,007.41	1.68	-0.41	0.150
43.58	-25.29	-4.81	0.00	-413.47	0.00	413.47	3,655.42	901.00	3,336.13	2,917.71	2.01	-0.45	0.149
45.00	-24.77	-4.76	0.00	-406.65	0.00	406.65	3,638.13	894.40	3,287.44	2,882.41	2.14	-0.47	0.148
49.50	-23.17	-4.70	0.00	-385.25	0.00	385.25	2,873.94	753.62	2,758.08	2,270.93	2.61	-0.52	0.178
50.00	-23.08	-4.65	0.00	-382.90	0.00	382.90	2,869.74	751.65	2,743.67	2,261.63	2.66	-0.52	0.177
55.00	-22.18	-4.56	0.00	-359.65	0.00	359.65	2,826.86	731.93	2,601.66	2,168.87	3.25	-0.59	0.174
60.00	-21.30	-4.46	0.00	-336.86	0.00	336.86	2,782.22	712.22	2,463.42	2,076.61	3.90	-0.65	0.170
65.00	-20.43	-4.37	0.00	-314.54	0.00	314.54	2,735.84	692.50	2,328.96	1,984.94	4.62	-0.72	0.166
70.00	-19.59	-4.27	0.00	-292.70	0.00	292.70	2,687.72	672.78	2,198.27	1,893.97	5.41	-0.79	0.162
75.00	-18.77	-4.17	0.00	-271.35	0.00	271.35	2,637.85	653.07	2,071.35	1,803.82	6.27	-0.86	0.158
80.00	-17.96	-4.08	0.00	-250.48	0.00	250.48	2,586.24	633.35	1,948.21	1,714.59	7.21	-0.93	0.153
85.00	-17.18	-4.01	0.00	-230.09	0.00	230.09	2,532.88	613.63	1,828.84	1,626.39	8.22	-1.00	0.148
86.08	-17.01	-3.97	0.00	-225.75	0.00	225.75	2,521.09	609.36	1,803.47	1,607.43	8.44	-1.01	0.147
90.00	-16.03	-3.91	0.00	-210.21	0.00	210.21	2,477.77	593.92	1,713.24	1,539.34	9.30	-1.07	0.143
91.00	-15.78	-3.86	0.00	-206.30	0.00	206.30	1,898.25	492.64	1,440.49	1,198.15	9.52	-1.08	0.181
95.00	-15.26	-3.78	0.00	-190.85	0.00	190.85	1,869.28	479.73	1,366.03	1,148.68	10.45	-1.14	0.174
100.00	-14.62	-3.68	0.00	-171.97	0.00	171.97	1,831.49	463.60	1,275.73	1,087.26	11.69	-1.22	0.166
105.00	-14.00	-3.59	0.00	-153.55	0.00	153.55	1,791.96	447.47	1,188.52	1,026.42	13.01	-1.30	0.157
110.00	-13.39	-3.50	0.00	-135.60	0.00	135.60	1,750.69	431.34	1,104.39	966.27	14.42	-1.38	0.148
115.00	-12.80	-3.41	0.00	-118.11	0.00	118.11	1,707.67	415.20	1,023.36	906.92	15.91	-1.46	0.138
120.00	-12.22	-3.35	0.00	-101.08	0.00	101.08	1,662.90	399.07	945.41	848.46	17.48	-1.53	0.127
120.83	-12.13	-3.31	0.00	-98.29	0.00	98.29	1,655.27	396.38	932.72	838.82	17.75	-1.55	0.125
125.00	-11.45	-3.22	0.00	-84.51	0.00	84.51	921.74	260.26	603.00	461.70	19.12	-1.61	0.196
130.00	-11.02	-3.13	0.00	-68.43	0.00	68.43	903.89	249.50	554.21	433.91	20.84	-1.68	0.170
135.00	-8.88	-2.61	0.00	-52.77	0.00	52.77	884.30	238.75	507.47	406.06	22.65	-1.76	0.140
140.00	-8.51	-2.53	0.00	-39.71	0.00	39.71	862.96	228.00	462.79	378.26	24.53	-1.84	0.115
145.00	-8.16	-2.45	0.00	-27.06	0.00	27.06	839.88	217.24	420.18	350.63	26.49	-1.90	0.087
149.00	-4.69	-1.39	0.00	-17.14	0.00	17.14	820.16	208.64	387.56	328.71	28.10	-1.94	0.058
150.00	-4.63	-1.34	0.00	-15.75	0.00	15.75	815.05	206.49	379.62	323.27	28.50	-1.94	0.054
155.00	-4.35	-1.27	0.00	-9.04	0.00	9.04	788.48	195.73	341.11	296.28	30.56	-1.97	0.036
159.00	-2.02	-0.73	0.00	-3.89	0.00	3.89	765.97	187.13	311.79	275.05	32.22	-1.99	0.017
160.00	-1.96	-0.71	0.00	-3.16	0.00	3.16	760.16	184.98	304.67	269.79	32.63	-1.99	0.014
160.00	-1.96	-0.71	0.00	-3.16	0.00	3.16	505.62	151.69	181.70	182.79	32.63	-1.99	0.021
164.00	-0.49	-0.06	0.00	-0.33	0.00	0.33	505.62	151.69	181.70	182.79	34.31	-2.00	0.003
165.00	-0.44	-0.04	0.00	-0.27	0.00	0.27	505.62	151.69	181.70	182.79	34.72	-2.00	0.002

Load Case: 1.0D + 1.0W Serviceability 60 mph 28 Iterations

Gust Response Factor :1.10
Dead Load Factor :1.00
Wind Load Factor :1.00

170.00	-0.16	-0.01	0.00	-0.04	0.00	0.04	505.62	151.69	181.70	182.79	36.81	-2.00	0.001
173.00	0.00	-0.01	0.00	0.00	0.00	0.00	505.62	151.69	181.70	182.79	38.07	-2.00	0.000

Equivalent Lateral Forces Method Analysis

Spectral Response Acceleration for Short Period (S_s):	0.20
Spectral Response Acceleration at 1.0 Second Period (S_1):	0.05
Long-Period Transition Period (T_L):	6
Importance Factor (I_E):	1.00
Site Coefficient F_a:	1.60
Site Coeffiecient F_v:	2.40
Response Modification Coefficient (R):	1.50
Design Spectral Response Acceleration at Short Period (S_{ds}):	0.21
Design Spectral Response Acceleration at 1.0 Second Period (S_{d1}):	0.09
Seismic Response Coefficient (C_s):	0.03
Upper Limit C_s	0.03
Lower Limit C_s	0.03
Period based on Rayleigh Method (sec):	3.19
Redundancy Factor (p):	1.30
Seismic Force Distribution Exponent (k):	2.00
Total Unfactored Dead Load:	35.35 k
Seismic Base Shear (E):	1.38 k

Load Case 1.2D + 1.0Ev + 1.0Eh Seismic

Segment	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
43	171.50	164	4,819	0.013	18	204
42	167.50	273	7,662	0.021	29	339
41	164.50	55	1,478	0.004	6	68
40	162.00	288	7,554	0.021	29	358
39	159.50	53	1,359	0.004	5	66
38	157.00	218	5,369	0.015	21	271
37	152.50	282	6,550	0.018	25	350
36	149.50	58	1,287	0.004	5	72
35	147.00	278	6,001	0.017	23	345
34	142.50	357	7,240	0.020	28	443
33	137.50	367	6,938	0.019	27	456
32	132.50	415	7,289	0.020	28	516
31	127.50	426	6,919	0.019	27	529
30	122.92	677	10,235	0.028	39	842
29	120.42	94	1,363	0.004	5	117
28	117.50	573	7,914	0.022	30	712
27	112.50	589	7,453	0.021	29	732
26	107.50	604	6,986	0.019	27	751
25	102.50	620	6,515	0.018	25	771
24	97.50	636	6,044	0.017	23	790
23	93.00	520	4,496	0.012	17	646
22	90.50	246	2,017	0.006	8	306
21	88.04	978	7,581	0.021	29	1,215
20	85.54	167	1,223	0.003	5	208
19	82.50	783	5,329	0.015	20	973

18	77.50	802	4,817	0.013	18	997
17	72.50	821	4,316	0.012	17	1,020
16	67.50	840	3,829	0.011	15	1,044
15	62.50	859	3,357	0.009	13	1,068
14	57.50	879	2,905	0.008	11	1,092
13	52.50	898	2,474	0.007	9	1,115
12	49.75	91	225	0.001	1	113
11	47.25	1,597	3,566	0.010	14	1,985
10	44.29	510	1,000	0.003	4	634
9	41.79	760	1,327	0.004	5	944
8	37.50	1,079	1,518	0.004	6	1,341
7	32.50	1,102	1,164	0.003	4	1,369
6	27.50	1,125	851	0.002	3	1,398
5	22.50	1,147	581	0.002	2	1,426
4	17.50	1,170	358	0.001	1	1,454
3	12.50	1,192	186	0.001	1	1,482
2	7.50	1,215	68	0.000	0	1,510
1	2.50	1,238	8	0.000	0	1,538
Kaelus DBC0061F1V51-	164.00	153	4,115	0.011	16	190
Raycap DC6-48-60-18-	164.00	40	1,076	0.003	4	50
Ericsson RRUS-11 (50	164.00	150	4,034	0.011	15	186
Ericsson RRUS 32 B2	164.00	159	4,276	0.012	16	198
Ericsson RRUS 32 (55	164.00	165	4,446	0.012	17	205
KMW AM-X-CD-14-65-00	164.00	109	2,937	0.008	11	136
CCI HPA-65R-BUU-H6	164.00	51	1,372	0.004	5	63
Kathrein Scala 80010	164.00	81	2,189	0.006	8	101
CCI HPA-65R-BUU-H8	164.00	136	3,658	0.010	14	169
CCI TPA-65R-LCUUUU-H	164.00	163	4,389	0.012	17	203
Powerwave Allgon TT0	159.00	132	3,337	0.009	13	164
Flat Platform w/ Han	159.00	2,000	50,562	0.140	194	2,485
Commscope CBC78T-DS-	149.00	62	1,379	0.004	5	77
Samsung B2/B66A RRH-	149.00	253	5,621	0.016	22	315
Samsung B5/B13 RRH-B	149.00	211	4,682	0.013	18	262
Andrew DB844H80E-XY	149.00	60	1,332	0.004	5	75
Raycap RCMDC-6627-PF	149.00	32	710	0.002	3	40
Samsung MT6407-77A	149.00	245	5,435	0.015	21	304
Commscope JAHH-65B-R	149.00	364	8,072	0.022	31	452
Flat Platform w/ Han	149.00	2,000	44,402	0.123	170	2,485
Generic 42" x 6" Pan	135.00	240	4,374	0.012	17	298
Flat Low Profile Pla	135.00	1,500	27,338	0.076	105	1,864
		35,351	359,907	1.000	1,379	43,930

Load Case 0.9D - 1.0Ev + 1.0Eh Seismic (Reduced DL)

Segment	Height Above Base (ft)	Weight (lb)	W_z (lb-ft)	C_{vx}	Horizontal Force (lb)	Vertical Force (lb)
43	171.50	164	4,819	0.013	18	140
42	167.50	273	7,662	0.021	29	234
41	164.50	55	1,478	0.004	6	47
40	162.00	288	7,554	0.021	29	247
39	159.50	53	1,359	0.004	5	46
38	157.00	218	5,369	0.015	21	187
37	152.50	282	6,550	0.018	25	241
36	149.50	58	1,287	0.004	5	49
35	147.00	278	6,001	0.017	23	238
34	142.50	357	7,240	0.020	28	306
33	137.50	367	6,938	0.019	27	315
32	132.50	415	7,289	0.020	28	356
31	127.50	426	6,919	0.019	27	365
30	122.92	677	10,235	0.028	39	581
29	120.42	94	1,363	0.004	5	81

28	117.50	573	7,914	0.022	30	491
27	112.50	589	7,453	0.021	29	505
26	107.50	604	6,986	0.019	27	518
25	102.50	620	6,515	0.018	25	532
24	97.50	636	6,044	0.017	23	545
23	93.00	520	4,496	0.012	17	446
22	90.50	246	2,017	0.006	8	211
21	88.04	978	7,581	0.021	29	839
20	85.54	167	1,223	0.003	5	143
19	82.50	783	5,329	0.015	20	671
18	77.50	802	4,817	0.013	18	688
17	72.50	821	4,316	0.012	17	704
16	67.50	840	3,829	0.011	15	720
15	62.50	859	3,357	0.009	13	737
14	57.50	879	2,905	0.008	11	753
13	52.50	898	2,474	0.007	9	770
12	49.75	91	225	0.001	1	78
11	47.25	1,597	3,566	0.010	14	1,369
10	44.29	510	1,000	0.003	4	437
9	41.79	760	1,327	0.004	5	651
8	37.50	1,079	1,518	0.004	6	925
7	32.50	1,102	1,164	0.003	4	945
6	27.50	1,125	851	0.002	3	964
5	22.50	1,147	581	0.002	2	984
4	17.50	1,170	358	0.001	1	1,003
3	12.50	1,192	186	0.001	1	1,022
2	7.50	1,215	68	0.000	0	1,042
1	2.50	1,238	8	0.000	0	1,061
Kaelus DBC0061F1V51-	164.00	153	4,115	0.011	16	131
Raycap DC6-48-60-18-	164.00	40	1,076	0.003	4	34
Ericsson RRUS-11 (50	164.00	150	4,034	0.011	15	129
Ericsson RRUS 32 B2	164.00	159	4,276	0.012	16	136
Ericsson RRUS 32 (55	164.00	165	4,446	0.012	17	142
KMW AM-X-CD-14-65-00	164.00	109	2,937	0.008	11	94
CCI HPA-65R-BUU-H6	164.00	51	1,372	0.004	5	44
Kathrein Scala 80010	164.00	81	2,189	0.006	8	70
CCI HPA-65R-BUU-H8	164.00	136	3,658	0.010	14	117
CCI TPA-65R-LCUUUU-H	164.00	163	4,389	0.012	17	140
Powerwave Allgon TT0	159.00	132	3,337	0.009	13	113
Flat Platform w/ Han	159.00	2,000	50,562	0.140	194	1,715
Commscope CBC78T-DS-	149.00	62	1,379	0.004	5	53
Samsung B2/B66A RRH-	149.00	253	5,621	0.016	22	217
Samsung B5/B13 RRH-B	149.00	211	4,682	0.013	18	181
Andrew DB844H80E-XY	149.00	60	1,332	0.004	5	51
Raycap RCMDC-6627-PF	149.00	32	710	0.002	3	27
Samsung MT6407-77A	149.00	245	5,435	0.015	21	210
Commscope JAHH-65B-R	149.00	364	8,072	0.022	31	312
Flat Platform w/ Han	149.00	2,000	44,402	0.123	170	1,715
Generic 42" x 6" Pan	135.00	240	4,374	0.012	17	206
Flat Low Profile Pla	135.00	1,500	27,338	0.076	105	1,286
		35,351	359,907	1.000	1,379	30,308

Load Case 1.2D + 1.0Ev + 1.0Eh Seismic

Calculated Forces

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 (deg)	Ratio
0.00	-42.39	-1.38	0.00	-198.19	0.00	198.19	4,119.11	1,104.12	5,009.17	4,036.61	0.00	0.00	0.059
5.00	-40.88	-1.39	0.00	-191.27	0.00	191.27	4,072.65	1,080.81	4,800.03	3,906.15	0.01	-0.01	0.059
10.00	-39.40	-1.40	0.00	-184.31	0.00	184.31	4,024.44	1,057.51	4,595.35	3,775.98	0.03	-0.03	0.059
15.00	-37.95	-1.41	0.00	-177.29	0.00	177.29	3,974.49	1,034.21	4,395.12	3,646.22	0.07	-0.05	0.058
20.00	-36.52	-1.42	0.00	-170.23	0.00	170.23	3,922.79	1,010.91	4,199.36	3,516.99	0.13	-0.06	0.058
25.00	-35.12	-1.42	0.00	-163.14	0.00	163.14	3,869.35	987.61	4,008.06	3,388.38	0.20	-0.08	0.057
30.00	-33.75	-1.43	0.00	-156.02	0.00	156.02	3,814.16	964.31	3,821.21	3,260.51	0.29	-0.10	0.057
35.00	-32.41	-1.43	0.00	-148.89	0.00	148.89	3,757.23	941.00	3,638.83	3,133.48	0.40	-0.11	0.056
40.00	-31.47	-1.43	0.00	-141.74	0.00	141.74	3,698.55	917.70	3,460.90	3,007.41	0.53	-0.13	0.056
43.58	-30.83	-1.43	0.00	-136.62	0.00	136.62	3,655.42	901.00	3,336.13	2,917.71	0.64	-0.14	0.055
45.00	-28.85	-1.42	0.00	-134.59	0.00	134.59	3,638.13	894.40	3,287.44	2,882.41	0.68	-0.15	0.055
49.50	-28.73	-1.42	0.00	-128.21	0.00	128.21	2,873.94	753.62	2,758.08	2,270.93	0.83	-0.17	0.066
50.00	-27.62	-1.41	0.00	-127.50	0.00	127.50	2,869.74	751.65	2,743.67	2,261.63	0.85	-0.17	0.066
55.00	-26.53	-1.41	0.00	-120.44	0.00	120.44	2,826.86	731.93	2,601.66	2,168.87	1.04	-0.19	0.065
60.00	-25.46	-1.40	0.00	-113.39	0.00	113.39	2,782.22	712.22	2,463.42	2,076.61	1.25	-0.21	0.064
65.00	-24.41	-1.39	0.00	-106.38	0.00	106.38	2,735.84	692.50	2,328.96	1,984.94	1.48	-0.24	0.063
70.00	-23.39	-1.38	0.00	-99.41	0.00	99.41	2,687.72	672.78	2,198.27	1,893.97	1.74	-0.26	0.061
75.00	-22.39	-1.37	0.00	-92.50	0.00	92.50	2,637.85	653.07	2,071.35	1,803.82	2.02	-0.28	0.060
80.00	-21.42	-1.35	0.00	-85.66	0.00	85.66	2,586.24	633.35	1,948.21	1,714.59	2.33	-0.30	0.058
85.00	-21.21	-1.35	0.00	-78.91	0.00	78.91	2,532.88	613.63	1,828.84	1,626.39	2.66	-0.33	0.057
86.08	-20.00	-1.32	0.00	-77.44	0.00	77.44	2,521.09	609.36	1,803.47	1,607.43	2.74	-0.33	0.056
90.00	-19.69	-1.31	0.00	-72.28	0.00	72.28	2,477.77	593.92	1,713.24	1,539.34	3.02	-0.35	0.055
91.00	-19.05	-1.30	0.00	-70.96	0.00	70.96	1,898.25	492.64	1,440.49	1,198.15	3.09	-0.36	0.069
95.00	-18.25	-1.28	0.00	-65.78	0.00	65.78	1,869.28	479.73	1,366.03	1,148.68	3.40	-0.38	0.067
100.00	-17.48	-1.25	0.00	-59.40	0.00	59.40	1,831.49	463.60	1,275.73	1,087.26	3.81	-0.41	0.064
105.00	-16.73	-1.23	0.00	-53.13	0.00	53.13	1,791.96	447.47	1,188.52	1,026.42	4.25	-0.43	0.061
110.00	-16.00	-1.20	0.00	-46.97	0.00	46.97	1,750.69	431.34	1,104.39	966.27	4.72	-0.46	0.058
115.00	-15.29	-1.17	0.00	-40.96	0.00	40.96	1,707.67	415.20	1,023.36	906.92	5.22	-0.49	0.054
120.00	-15.17	-1.17	0.00	-35.08	0.00	35.08	1,662.90	399.07	945.41	848.46	5.75	-0.51	0.050
120.83	-14.33	-1.13	0.00	-34.11	0.00	34.11	1,655.27	396.38	932.72	838.82	5.84	-0.52	0.049
125.00	-13.80	-1.10	0.00	-29.40	0.00	29.40	921.74	260.26	603.00	461.70	6.30	-0.54	0.079
130.00	-13.28	-1.08	0.00	-23.89	0.00	23.89	903.89	249.50	554.21	433.91	6.88	-0.56	0.070
135.00	-10.67	-0.91	0.00	-18.51	0.00	18.51	884.30	238.75	507.47	406.06	7.49	-0.59	0.058
140.00	-10.22	-0.88	0.00	-13.97	0.00	13.97	862.96	228.00	462.79	378.26	8.12	-0.62	0.049
145.00	-9.88	-0.86	0.00	-9.58	0.00	9.58	839.88	217.24	420.18	350.63	8.78	-0.64	0.039
149.00	-5.80	-0.53	0.00	-6.16	0.00	6.16	820.16	208.64	387.56	328.71	9.33	-0.66	0.026
150.00	-5.45	-0.50	0.00	-5.63	0.00	5.63	815.05	206.49	379.62	323.27	9.47	-0.66	0.024
155.00	-5.18	-0.48	0.00	-3.12	0.00	3.12	788.48	195.73	341.11	296.28	10.16	-0.67	0.017
159.00	-2.47	-0.24	0.00	-1.20	0.00	1.20	765.97	187.13	311.79	275.05	10.72	-0.67	0.008
160.00	-2.11	-0.20	0.00	-0.97	0.00	0.97	760.16	184.98	304.67	269.79	10.87	-0.67	0.006
160.00	-2.11	-0.20	0.00	-0.97	0.00	0.97	505.62	151.69	181.70	182.79	10.87	-0.67	0.009
164.00	-0.54	-0.05	0.00	-0.16	0.00	0.16	505.62	151.69	181.70	182.79	11.43	-0.68	0.002
165.00	-0.20	-0.02	0.00	-0.10	0.00	0.10	505.62	151.69	181.70	182.79	11.57	-0.68	0.001
170.00	0.00	0.00	0.00	0.00	0.00	0.00	505.62	151.69	181.70	182.79	12.28	-0.68	0.000
173.00	0.00	0.00	0.00	0.00	0.00	0.00	505.62	151.69	181.70	182.79	12.71	-0.68	0.000

Load Case 0.9D - 1.0Ev + 1.0Eh Seismic (Reduced DL)

Calculated Forces

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 (deg)	Ratio
0.00	-29.25	-1.38	0.00	-193.28	0.00	193.28	4,119.11	1,104.12	5,009.17	4,036.61	0.00	0.00	0.055
5.00	-28.20	-1.39	0.00	-186.38	0.00	186.38	4,072.65	1,080.81	4,800.03	3,906.15	0.01	-0.01	0.055
10.00	-27.18	-1.39	0.00	-179.43	0.00	179.43	4,024.44	1,057.51	4,595.35	3,775.98	0.03	-0.03	0.054
15.00	-26.18	-1.40	0.00	-172.46	0.00	172.46	3,974.49	1,034.21	4,395.12	3,646.22	0.07	-0.04	0.054
20.00	-25.19	-1.40	0.00	-165.46	0.00	165.46	3,922.79	1,010.91	4,199.36	3,516.99	0.13	-0.06	0.053
25.00	-24.23	-1.41	0.00	-158.44	0.00	158.44	3,869.35	987.61	4,008.06	3,388.38	0.20	-0.08	0.053
30.00	-23.29	-1.41	0.00	-151.41	0.00	151.41	3,814.16	964.31	3,821.21	3,260.51	0.29	-0.09	0.053
35.00	-22.36	-1.41	0.00	-144.38	0.00	144.38	3,757.23	941.00	3,638.83	3,133.48	0.39	-0.11	0.052
40.00	-21.71	-1.41	0.00	-137.35	0.00	137.35	3,698.55	917.70	3,460.90	3,007.41	0.52	-0.13	0.052
43.58	-21.27	-1.40	0.00	-132.31	0.00	132.31	3,655.42	901.00	3,336.13	2,917.71	0.62	-0.14	0.051
45.00	-19.90	-1.39	0.00	-130.32	0.00	130.32	3,638.13	894.40	3,287.44	2,882.41	0.66	-0.15	0.051
49.50	-19.82	-1.39	0.00	-124.06	0.00	124.06	2,873.94	753.62	2,758.08	2,270.93	0.81	-0.16	0.062
50.00	-19.05	-1.39	0.00	-123.36	0.00	123.36	2,869.74	751.65	2,743.67	2,261.63	0.82	-0.16	0.061
55.00	-18.30	-1.38	0.00	-116.44	0.00	116.44	2,826.86	731.93	2,601.66	2,168.87	1.01	-0.19	0.060
60.00	-17.56	-1.37	0.00	-109.55	0.00	109.55	2,782.22	712.22	2,463.42	2,076.61	1.21	-0.21	0.059
65.00	-16.84	-1.36	0.00	-102.70	0.00	102.70	2,735.84	692.50	2,328.96	1,984.94	1.44	-0.23	0.058
70.00	-16.14	-1.35	0.00	-95.91	0.00	95.91	2,687.72	672.78	2,198.27	1,893.97	1.69	-0.25	0.057
75.00	-15.45	-1.33	0.00	-89.18	0.00	89.18	2,637.85	653.07	2,071.35	1,803.82	1.96	-0.27	0.055
80.00	-14.78	-1.31	0.00	-82.53	0.00	82.53	2,586.24	633.35	1,948.21	1,714.59	2.26	-0.30	0.054
85.00	-14.63	-1.31	0.00	-75.97	0.00	75.97	2,532.88	613.63	1,828.84	1,626.39	2.58	-0.32	0.052
86.08	-13.79	-1.28	0.00	-74.55	0.00	74.55	2,521.09	609.36	1,803.47	1,607.43	2.66	-0.32	0.052
90.00	-13.58	-1.27	0.00	-69.54	0.00	69.54	2,477.77	593.92	1,713.24	1,539.34	2.93	-0.34	0.051
91.00	-13.14	-1.26	0.00	-68.27	0.00	68.27	1,898.25	492.64	1,440.49	1,198.15	3.00	-0.35	0.064
95.00	-12.59	-1.23	0.00	-63.24	0.00	63.24	1,869.28	479.73	1,366.03	1,148.68	3.30	-0.37	0.062
100.00	-12.06	-1.21	0.00	-57.07	0.00	57.07	1,831.49	463.60	1,275.73	1,087.26	3.70	-0.39	0.059
105.00	-11.54	-1.19	0.00	-51.01	0.00	51.01	1,791.96	447.47	1,188.52	1,026.42	4.12	-0.42	0.056
110.00	-11.04	-1.16	0.00	-45.08	0.00	45.08	1,750.69	431.34	1,104.39	966.27	4.58	-0.45	0.053
115.00	-10.54	-1.13	0.00	-39.28	0.00	39.28	1,707.67	415.20	1,023.36	906.92	5.06	-0.47	0.049
120.00	-10.46	-1.13	0.00	-33.63	0.00	33.63	1,662.90	399.07	945.41	848.46	5.57	-0.50	0.046
120.83	-9.88	-1.08	0.00	-32.69	0.00	32.69	1,655.27	396.38	932.72	838.82	5.65	-0.50	0.045
125.00	-9.52	-1.06	0.00	-28.17	0.00	28.17	921.74	260.26	603.00	461.70	6.10	-0.52	0.071
130.00	-9.16	-1.03	0.00	-22.88	0.00	22.88	903.89	249.50	554.21	433.91	6.66	-0.54	0.063
135.00	-7.36	-0.87	0.00	-17.72	0.00	17.72	884.30	238.75	507.47	406.06	7.24	-0.57	0.052
140.00	-7.05	-0.84	0.00	-13.38	0.00	13.38	862.96	228.00	462.79	378.26	7.86	-0.60	0.044
145.00	-6.81	-0.82	0.00	-9.17	0.00	9.17	839.88	217.24	420.18	350.63	8.50	-0.62	0.034
149.00	-4.00	-0.51	0.00	-5.90	0.00	5.90	820.16	208.64	387.56	328.71	9.02	-0.63	0.023
150.00	-3.76	-0.48	0.00	-5.39	0.00	5.39	815.05	206.49	379.62	323.27	9.15	-0.63	0.021
155.00	-3.57	-0.46	0.00	-2.99	0.00	2.99	788.48	195.73	341.11	296.28	9.82	-0.64	0.015
159.00	-1.70	-0.23	0.00	-1.15	0.00	1.15	765.97	187.13	311.79	275.05	10.37	-0.65	0.006
160.00	-1.46	-0.19	0.00	-0.93	0.00	0.93	760.16	184.98	304.67	269.79	10.50	-0.65	0.005
160.00	-1.46	-0.19	0.00	-0.93	0.00	0.93	505.62	151.69	181.70	182.79	10.50	-0.65	0.008
164.00	-0.37	-0.05	0.00	-0.15	0.00	0.15	505.62	151.69	181.70	182.79	11.05	-0.65	0.002
165.00	-0.14	-0.02	0.00	-0.10	0.00	0.10	505.62	151.69	181.70	182.79	11.18	-0.65	0.001
170.00	0.00	0.00	0.00	0.00	0.00	0.00	505.62	151.69	181.70	182.79	11.87	-0.65	0.000
173.00	0.00	0.00	0.00	0.00	0.00	0.00	505.62	151.69	181.70	182.79	12.28	-0.65	0.000

Analysis Summary

	Reactions						Max Usage	
Load Case	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)	Elev (ft)	Interaction Ratio
1.2D + 1.0W	23.91	0.00	42.38	0.00	0.00	2792.32	125.00	0.82
0.9D + 1.0W	23.89	0.00	31.77	0.00	0.00	2739.37	125.00	0.79
1.2D + 1.0Di + 1.0Wi	5.77	0.00	55.12	0.00	0.00	700.77	125.00	0.23
1.2D + 1.0Ev + 1.0Eh	1.38	0.00	42.39	0.00	0.00	198.19	125.00	0.08
0.9D - 1.0Ev + 1.0Eh	1.38	0.00	29.25	0.00	0.00	193.28	125.00	0.07
1.0D + 1.0W	5.53	0.00	35.35	0.00	0.00	640.12	125.00	0.20

Flange Plate Analysis

Flange Plate			
	Plate Type	***Flange***	***@ 160 ft***
	Pole Diameter	14	in
	Pole Thickness	0.375	in
	Plate Diameter	20	in
	Plate Thickness	1/2	in
	Plate Fy	36	ksi
	Weld Length	5/16	in
	f_s Resistance	788.95	k-in
	Applied	2.18	k-in

Stiffeners			
	#	***24***	***Show***
	Thickness	3/8	in
	Length	3	in
	Height	13 1/2	in
	Chamfer	0	in
	Offset Angle	22	°
	Fy	36	ksi

Bolts			
	#	***12***	
	Bolt Circle	17.1875	in
	(R)adial / (S)quare	R	
	Diameter	1	in
	Hole Diameter	1 1/8	in
	Type	A325	
	Fy	92	ksi
	Fu	120	ksi
	f_s Resistance	54.52	k
	Applied	3.04	k

Reinforcement			
	#		

Extra Bolts O			
	#		

Code Rev.	***H***
Moment	13.8 k-ft
Axial	1.9 k

Date	5/5/2021
Engineer	SMR
Site #	302524
Carrier	Verizon Wireless

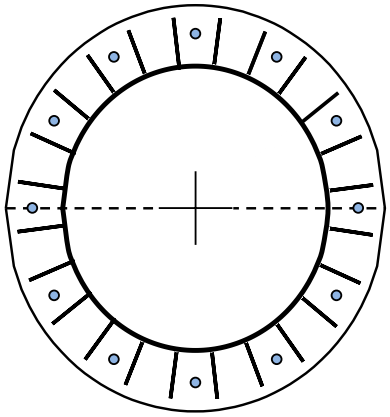


Plate Stress Ratio:

0%	Pass

Bolt Stress Ratio:

6%	Pass

Base Plate & Anchor Rod Analysis

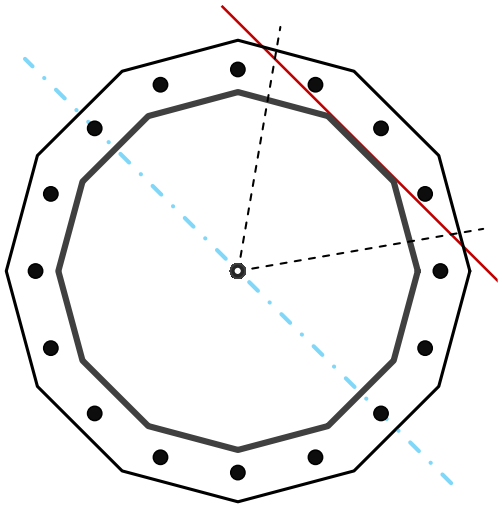
Pole Dimensions		
Number of Sides	12	-
Diameter	48.5	in
Thickness	13/32	in
Orientation Offset	0	°

Base Reactions		
Moment, Mu	2,792.3	k-ft
Axial, Pu	42.4	k
Shear, Vu	23.9	k
Neutral Axis	315	°

Report Capacities		
Component	Capacity	Result
Base Plate	18%	Pass
Anchor Rods	65%	Pass
Dwyidag	-	-

Base Plate		
Number of Sides	12	-
Diameter, ø	62.71	in
Thickness	2 3/4	in
Grade	A633 Gr. E	
Yield Strength, Fy	60	ksi
Tensile Strength, Fu	80	ksi
Clip	N/A	in
Orientation Offset	0	°
Anchor Rod Detail	c	η=0.55
Clear Distance	N/A	in
Applied Moment, Mu	675.6	k
Bending Stress, ϕMn	3714.9	k

Original Anchor Rods		
Arrangement	Radial	-
Quantity	16	-
Diameter, ø	2 1/4	in
Bolt Circle	56.71	in
Grade	A615-75	
Yield Strength, Fy	75	ksi
Tensile Strength, Fu	100	ksi
Spacing	11.1	in
Orientation Offset		°
Applied Force, Pu	156.7	k
Anchor Rods, ϕPn	243.6	k



Calculations for Monopole Base Plate & Anchor Rod Analysis

Reaction Distribution

Reaction	Shear Vu	Moment Mu	Factor
-	k	k-ft	-
Base Forces	23.9	2792.3	1.00
Anchor Rod Forces	23.9	2792.3	1.00
Additional Bolt (Grp1) Forces	0.0	0.0	0.00
Additional Bolt (Grp2) Forces	0.0	0.0	0.00
Dywidag Forces	0.0	0.0	0.00
Stiffener Forces	0.0	0.0	0.00

Geometric Properties

Section	Gross Area	Net Area	Individual Inertia	Threads per Inch	Moment of Inertia
-	in^2	in^2	in^4	#	in^4
Pole	60.6819	5.0568	0.2794		17548.09
Bolt	3.9761	3.2477	0.8393	4.5	19189.69
Bolt1	0.0000	0.0000	0.0000	0	0.00
Bolt2	0.0000	0.0000	0.0000	0	0.00
Dywidag	0.0000	0.0000	0.0000		0.00
Stiffener	0.0000	0.0000	0.0000		0.00

Base Plate		
Shape	12	-
Width, W	62.71	in
Thickness, t	2.75	in
Yield Strength, Fy	60	ksi
Tensile Strength, Fu	80	ksi
Base Plate Chord	39.753	in
Detail Type	c	-
Detail Factor	0.55	-
Clear Distance	N/A	-

Anchor Rods		
Anchor Rod Quantity, N	16	-
Rod Diameter, d	2.25	in
Bolt Circle, BC	56.71	in
Yield Strength, Fy	75	ksi
Tensile Strength, Fu	100	ksi
Applied Axial, Pu	156.7	k
Applied Shear, Vu	0.9	k
Compressive Capacity, ϕPn	243.6	k
Tensile Capacity, ϕRnt	0.643	OK
Interaction Capacity	0.650	OK

External Base Plate		
Chord Length AA	40.060	in
Additional AA	5.500	in
Section Modulus, Z	86.138	in^3
Applied Moment, Mu	675.6	k-ft
Bending Capacity, ϕMn	4651.4	k-ft
Capacity, Mu/ϕMn	0.145	OK
Chord Length AB	38.345	in
Additional AB	5.500	in
Section Modulus, Z	82.895	in^3
Applied Moment, Mu	313.0	k-ft
Bending Capacity, ϕMn	4476.3	k-ft
Capacity, Mu/ϕMn	0.070	OK
Bend Line Length	36.387	in
Additional Bend Line	0.000	in
Section Modulus, Z	68.795	in^3
Applied Moment, Mu	675.6	k-ft
Bending Capacity, ϕMn	3714.9	k-ft
Capacity, Mu/ϕMn	0.182	OK

Internal Base Plate		
Arc Length	0.000	in
Section Modulus, Z	0.000	in^3
Moment Arm	0.000	in
Applied Moment, Mu	0.0	k-ft
Bending Capacity, ϕMn	0.0	k-ft
Capacity, Mu/ϕMn		

PROJECT NOTES

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

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MOUNT MODIFICATION DRAWINGS
EXISTING 12.83' PLATFORM

SITE NAME: BEACON FALLS CT
SITE NUMBER: 469421

664 RIMMON HILL RD
BEACON FALLS, CT 06483
NEW HAVEN COUNTY

PROJECT INFORMATION

SITE INFORMATION

LATITUDE: 41.407317° N
LONGITUDE: 73.079275° W
JURISDICTION: NEW HAVEN COUNTY

APPLICANT/LESSEE

COMPANY: VERIZON WIRELESS

CLIENT REPRESENTATIVE

COMPANY: VERIZON WIRELESS
ADDRESS: 118 FLANDERS ROAD, THIRD FLOOR
CITY, STATE, ZIP: WESTBOROUGH, MA 01581
CONTACT: ANDREW CANDIELLO
EMAIL: ANDREW.CANDIELLO@VERIZONWIRELESS.COM

PROJECT MANAGER

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

SHEET INDEX

SHEET	DESCRIPTION
T-1	TITLE SHEET
S-1	BILL OF MATERIALS
S-2	MODIFICATION NOTES
S-3	MODIFICATION NOTES
S-4	MODIFICATION DETAILS
S-5	MODIFICATION DETAILS
S-6	MODIFICATION DETAILS
S-7	MOUNT PHOTOS
	SPECIFICATION SHEETS

CONTRACTOR PMI REQUIREMENTS

PMI LOCATION: HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #: 10072488
VZW LOCATION CODE (PSLC): 469421
FUZE ID: 16244575

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

REFERENCED DOCUMENTS

FAILING MOUNT ANALYSIS REPORT
SMART TOOL PROJECT #: 10050547
MASER CONSULTING PROJECT #: 21777520A
ANALYSIS DATE: 5/20/2021

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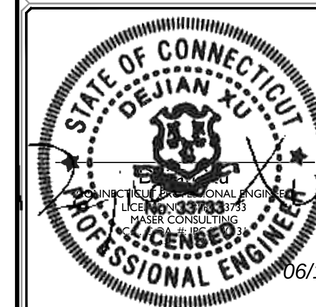
SCALE : AS SHOWN
JOB NUMBER : 21777520A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
.	.	.	.	.
.	.	.	.	.
.	.	.	.	.
0	6/11/2021	ISSUED FOR CONSTRUCTION	BPC	DX



06/11/2021

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:

BEACON FALLS CT
469421

664 RIMMON HILL RD
BEACON FALLS, CT 06483
NEW HAVEN 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 : T-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

BILL OF MATERIALS

VZWSMART KITS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES
1	VZWSMART	VZWSMART-PLK1	SUPPORT RAIL KIT	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2
1		VZWSMART-PLK5	KICKER KIT	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2
1		VZWSMART-PLK7	MONOPOLE COLLAR MOUNT ASSEMBLY	
3		VZWSMART-MSK1	CROSSOVER PLATE	

OTHER REQUIRED PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES
3	-	-	96" LONG, P2.5 STD	GALVANIZED
3	-	-	1/2" DIA. U-BOLT	
1	-	-	36" LONG, P2.0 STD	GALVANIZED
1	SITE PRO 1	SQCX4-K	CROSSOVER PLATE KIT W/ SQUARE U-BOLTS AND STD. U-BOLTS	OR EOR APPROVED EQUAL, CONTACT MASER CONSULTING FOR APPROVAL OF SUBSTITUTION

NOTE: ALL MATERIALS REQUIRED FOR THE DESIGNED MODIFICATIONS BUT NOT LISTED IN THIS SHEET ARE ASSUMED TO BE PROVIDED BY THE CONTRACTOR

VZWSMART KITS - APPROVED VENDORS

COMMSCOPE

CONTACT	SALVADOR ANGUIANO
PHONE	(817) 304-7492
EMAIL	SALVADOR.ANGUIANO@COMMSCOPE.COM
WEBSITE	WWW.COMMSCOPE.COM

METROSITE FABRICATORS, LLC

CONTACT	KENT RAMEY
PHONE	(706) 335-7045 (O), (706) 982-9788 (M)
EMAIL	KENT@METROSITELLC.COM
WEBSITE	METROSITEFABRICATORS.COM

PERFECTVISION

CONTACT	WIRELESS SALES
PHONE	(844) 887-6723
EMAIL	WWW.PERFECT-VISION.COM
WEBSITE	WIRELESSSALES@PERFECT-VISION.COM

SABRE INDUSTRIES, INC.

CONTACT	ANGIE WELCH
PHONE	(866) 428-6937
EMAIL	AKWELCH@SABREINDUSTRIES.COM
WEBSITE	WWW.SABRESITESOLUTIONS.COM

SITE PRO 1

CONTACT	PAULA BOSWELL
PHONE	(972) 236-9843
EMAIL	PAULA.BOSWELL@VALMONT.COM
WEBSITE	WWW.SITEPRO1.COM

NOTE: WHEN SPECIFIED, VZWSMART KITS SHALL BE REQUIRED AND WILL BE VERIFIED DURING THE DESKTOP PMI

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STATE OF CONNECTICUT
DEJIAN XU
LICENSED PROFESSIONAL ENGINEER
CONNECTICUT PROFESSIONAL ENGINEER
LICENSE NO. 33733
MASER CONSULTING
LICENSED PROFESSIONAL ENGINEER
06/11/2021

SITE NAME:

BEACON FALLS CT
469421

664 RIMMON HILL RD
BEACON FALLS, CT 06483
NEW HAVEN COUNTY

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

Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE : BILL OF MATERIALS

SHEET NUMBER : S-1

GENERAL NOTES

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

DESIGN LOADS

WIND LOADS

a. BASIC WIND SPEED (3 SECOND GUST), V = 118 MPH

b. EXPOSURE CATEGORY C

c. TOPOGRAPHIC CATEGORY 1

d. MEAN BASE ELEVATION (AMSL) = 420.4'

ICE LOADS

a. ICE WIND SPEED (3 SECOND GUST), V = 50 MPH

b. ICE THICKNESS = 1.00 IN

SEISMIC LOADS

a. SEISMIC DESIGN CATEGORY B

b. SHORT TERM MCER GROUND MOTION, S_S = .200

c. LONG TERM MCER GROUND MOTION, S_1 = .054

STRUCTURAL STEEL

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

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

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

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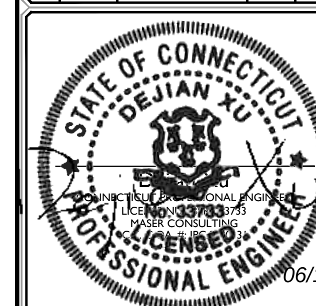

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664 RIMMON HILL RD
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NEW HAVEN COUNTY

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 :

S-2

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

MODIFICATION INSPECTION NOTES

MI CHECKLIST	
CONSTRUCTION/ INSTALLATION INSPECTIONS AND TESTING REQUIRED (COMPLETED BY EOR)	REPORT ITEM
PRE-CONSTRUCTION	
X	MI CHECKLIST DRAWING
X	EOR APPROVED SHOP DRAWINGS
NA	FABRICATION INSPECTION
NA	FABRICATOR CERTIFIED WELD INSPECTION
X	MATERIAL TEST REPORT (MTR)
NA	FABRICATOR NDE INSPECTION
X	PACKING SLIPS
ADDITIONAL TESTING AND INSPECTIONS:	
CONSTRUCTION	
X	CONSTRUCTION INSPECTIONS
NA	CONTRACTOR'S CERTIFIED WELD INSPECTION AND NDE REPORTS
X	ON SITE COLD GALVANIZING VERIFICATION
X	GC AS-BUILT DOCUMENTS
ADDITIONAL TESTING AND INSPECTIONS:	
POST-CONSTRUCTION	
X	MI INSPECTOR REDLINE OR RECORD DRAWING(S)
X	VZW PMI DOCUMENTS
X	PHOTOGRAPHS
ADDITIONAL TESTING AND INSPECTIONS:	

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

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

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

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

MI INSPECTOR

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

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

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

GENERAL CONTRACTOR

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

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

THE GC SHALL PERFORM AND RECORD THE TEST AND INSPECTION RESULTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE MI CHECKLIST.

RECOMMENDATIONS

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

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

CORRECTION OF FAILING MI'S

IF THE MODIFICATION INSTALLATION WOULD FAIL THE MI ("FAILED MI"), THE GC SHALL WORK WITH THE OWNER TO COORDINATE A REMEDIATION PLAN:

- CORRECT FAILING ISSUES TO COMPLY WITH THE SPECIFICATIONS CONTAINED IN THE ORIGINAL CONTRACT DOCUMENTS AND COORDINATE A SUPPLEMENT MI.

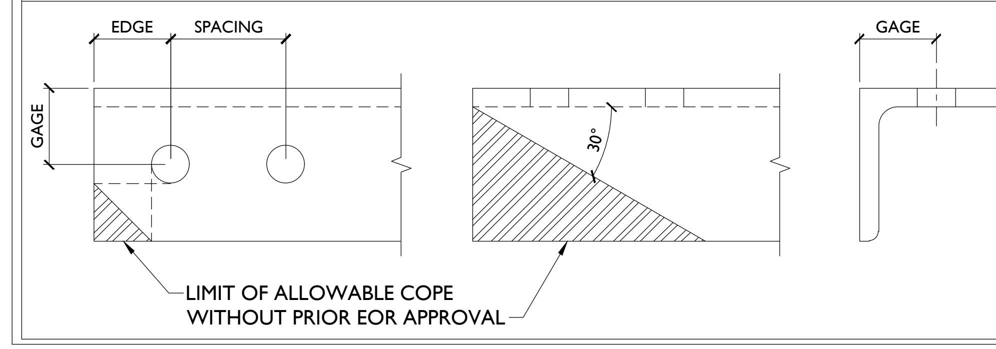
REQUIRED PHOTOS

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

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

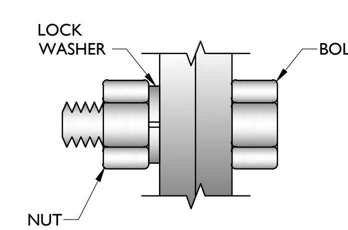
PHOTOS OF ELEVATED MODIFICATIONS TAKEN ONLY FROM THE GROUND SHALL BE CONSIDERED INADEQUATE.

ALLOWABLE COPING



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

WORKABLE GAGES (IN.)	
LEG	**GAGE**
4	2 1/2
3 1/2	2
3	1 3/4
2 1/2	1 3/8
2	1 1/8



TYP. BOLT ASSEMBLY

NOTES:

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

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STATE OF CONNECTICUT
DEJIAN XU
No. 33733
LICENSED
PROFESSIONAL ENGINEER
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SITE NAME:

BEACON FALLS CT
469421

664 RIMMON HILL RD
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SHEET TITLE :
MODIFICATION NOTES

SHEET NUMBER :
S-3

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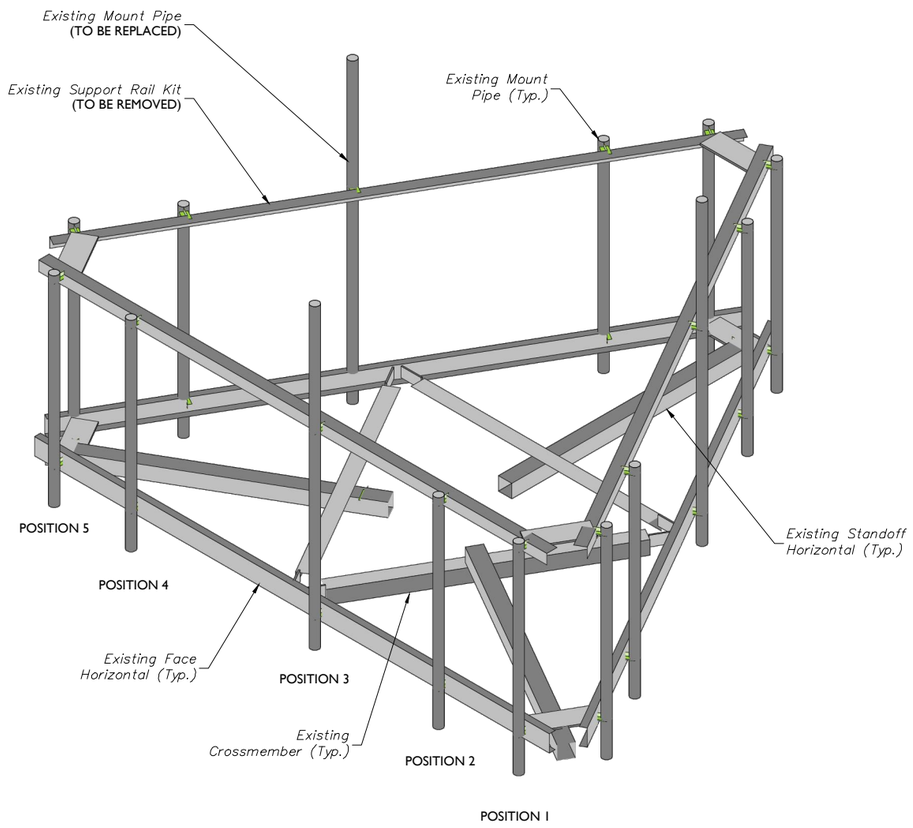
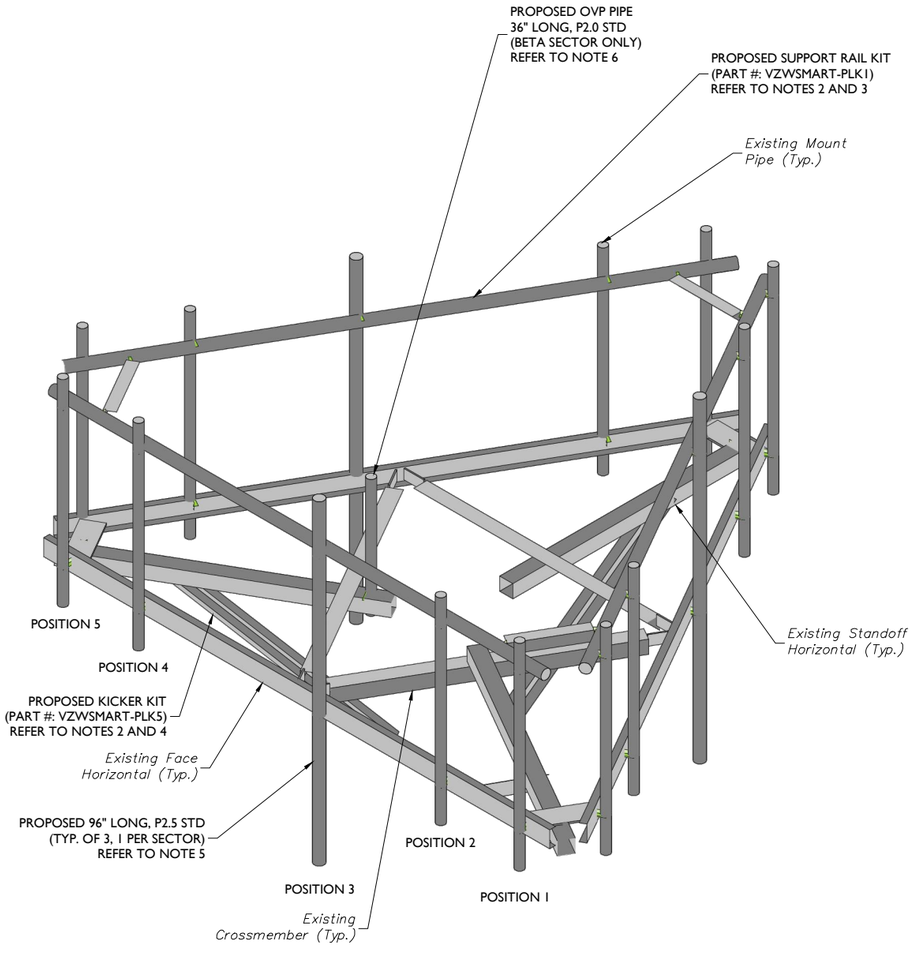


1 EXISTING PLATFORM ISOMETRIC VIEW

SCALE : N.T.S.



2 PROPOSED PLATFORM ISOMETRIC VIEW

SCALE : N.T.S.

STRUCTURAL NOTES:

1. PER THE MOUNT MAPPING COMPLETED BY FDH INFRASTRUCTURE SERVICES ON 4/13/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (147'-0") ARE IN GOOD CONDITION. MASER DOES NOT WARRANT THIS INFORMATION.
2. INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB, OR ANY SYSTEM INSTALLED ON THE STRUCTURE. TIMELY NOTICE AND DOCUMENTATION SHALL BE PROVIDED BY CONTRACTORS TO THE EOR (OF STRUCTURAL DESIGN) IF AN OBSTRUCTION WAS REQUIRED TO MEET THE RF SYSTEM DESIGN REQUIREMENTS AND PERFORMANCES.

MODIFICATION NOTES:

1. MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
2. CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2.
3. RADIO AND/OR TME POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE.
4. CONNECT OTHER END OF KICKER KIT TO MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7).
5. CONNECT PROPOSED MOUNT PIPE TO FACE HORIZONTAL USING (1) 1/2" U-BOLT AND CONNECT TO THE SUPPORT RAIL WITH MSK1 CROSSOVER PLATE. CONTRACTOR TO DRILL HOLE ON FACE HORIZONTAL AS NECESSARY.
6. CONNECT NEW OVP PIPE TO EXISTING STANDOFF HORIZONTAL WITH CROSSOVER PLATES (SITE PRO 1 PART#: SQCX4-K, OR EOR APPROVED EQUAL, CONTACT MASER CONSULTING FOR APPROVAL OF SUBSTITUTION)

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0	6/11/2021	ISSUED FOR CONSTRUCTION	BPC	DX

STATE OF CONNECTICUT
DEJIAN XU
LICENSED PROFESSIONAL ENGINEER
06/11/2021

SITE NAME:

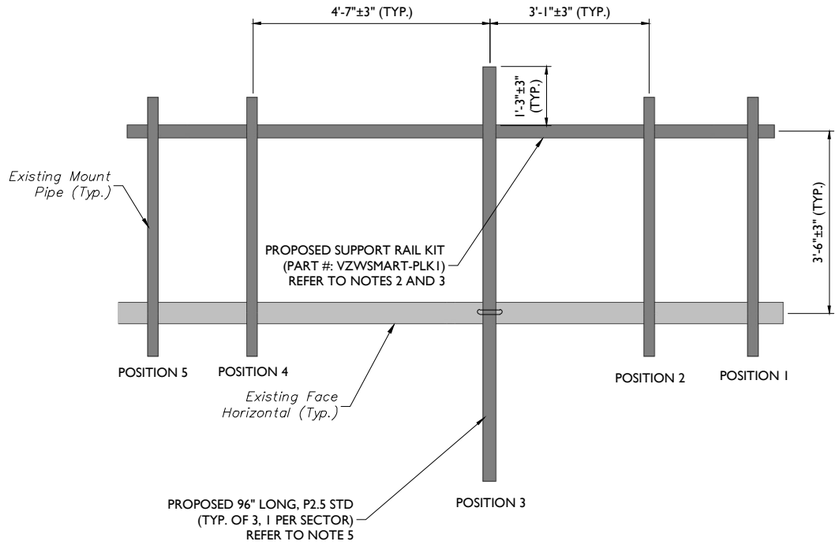
BEACON FALLS CT
469421

664 RIMMON HILL RD
BEACON FALLS, CT 06483
NEW HAVEN COUNTY

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

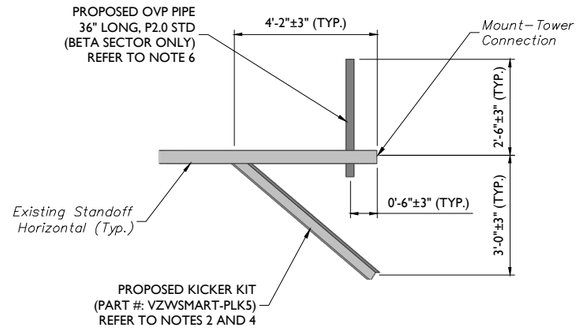
SHEET TITLE : MODIFICATION DETAILS

SHEET NUMBER : S-4



1 PROPOSED FRONT ELEVATION (TYP. ALL SECTORS)

SCALE : N.T.S.



2 PROPOSED SIDE ELEVATION (TYP. ALL SECTORS)

SCALE : N.T.S.

MODIFICATION NOTES:

1. MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
2. CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2.
3. RADIO AND/OR TME POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE.
4. CONNECT OTHER END OF KICKER KIT TO MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7).
5. CONNECT PROPOSED MOUNT PIPE TO FACE HORIZONTAL USING (1) 1/2" U-BOLT AND CONNECT TO THE SUPPORT RAIL WITH MSK1 CROSSOVER PLATE. CONTRACTOR TO DRILL HOLE ON FACE HORIZONTAL AS NECESSARY.
6. CONNECT NEW OVP PIPE TO EXISTING STANDOFF HORIZONTAL WITH CROSSOVER PLATES (SITE PRO 1 PART#: SQCX4-K, OR EOR APPROVED EQUAL, CONTACT MASER CONSULTING FOR APPROVAL OF SUBSTITUTION)

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SCALE : AS SHOWN
JOB NUMBER : 21777520A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
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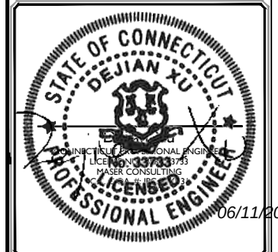

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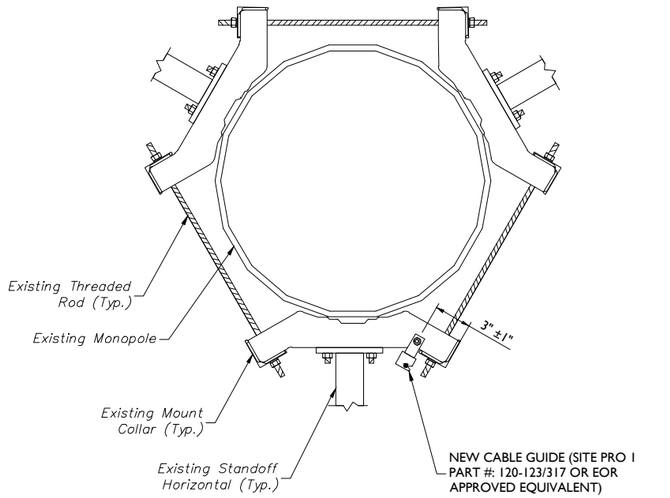
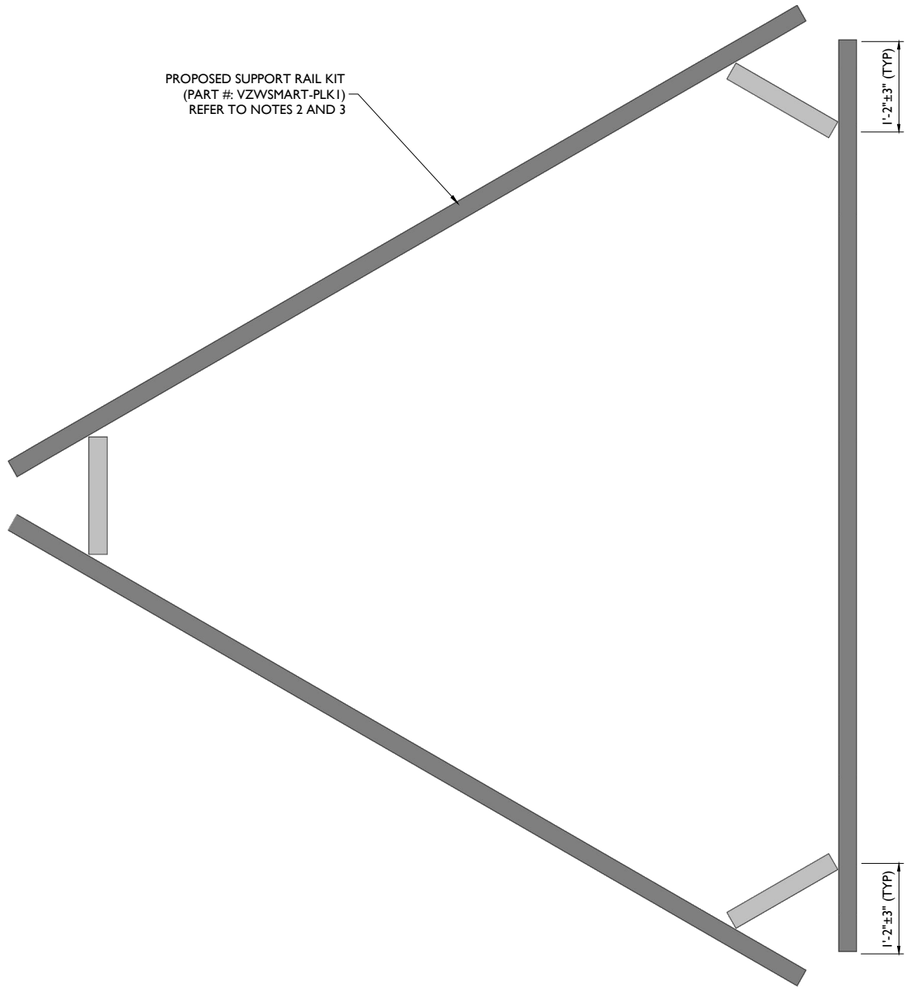
SHEET TITLE : MODIFICATION DETAILS

SHEET NUMBER : S-5



1 PROPOSED COLLAR ATTACHMENT SAFETY CLIMB - PLAN VIEW

SCALE : N.T.S.



2 PROPOSED FRAME VIEW

SCALE : N.T.S.

MODIFICATION NOTES:

1. MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
2. CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2.
3. RADIO AND/OR TME POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE.
4. CONNECT OTHER END OF KICKER KIT TO MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7).
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DEJIAN XU
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LICENSE NO. 33733
MASER CONSULTING
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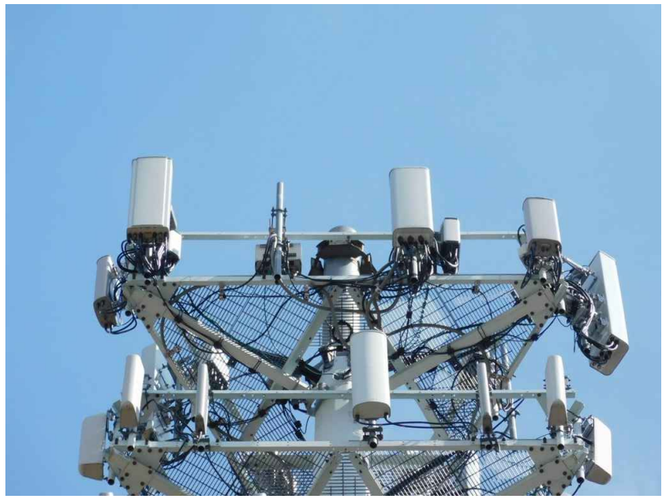
SHEET TITLE : MODIFICATION DETAILS

SHEET NUMBER : S-6



MOUNT PHOTO 1

MOUNT PHOTO 2

MOUNT PHOTO 3

MOUNT PHOTO 4

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LICENSED PROFESSIONAL ENGINEER

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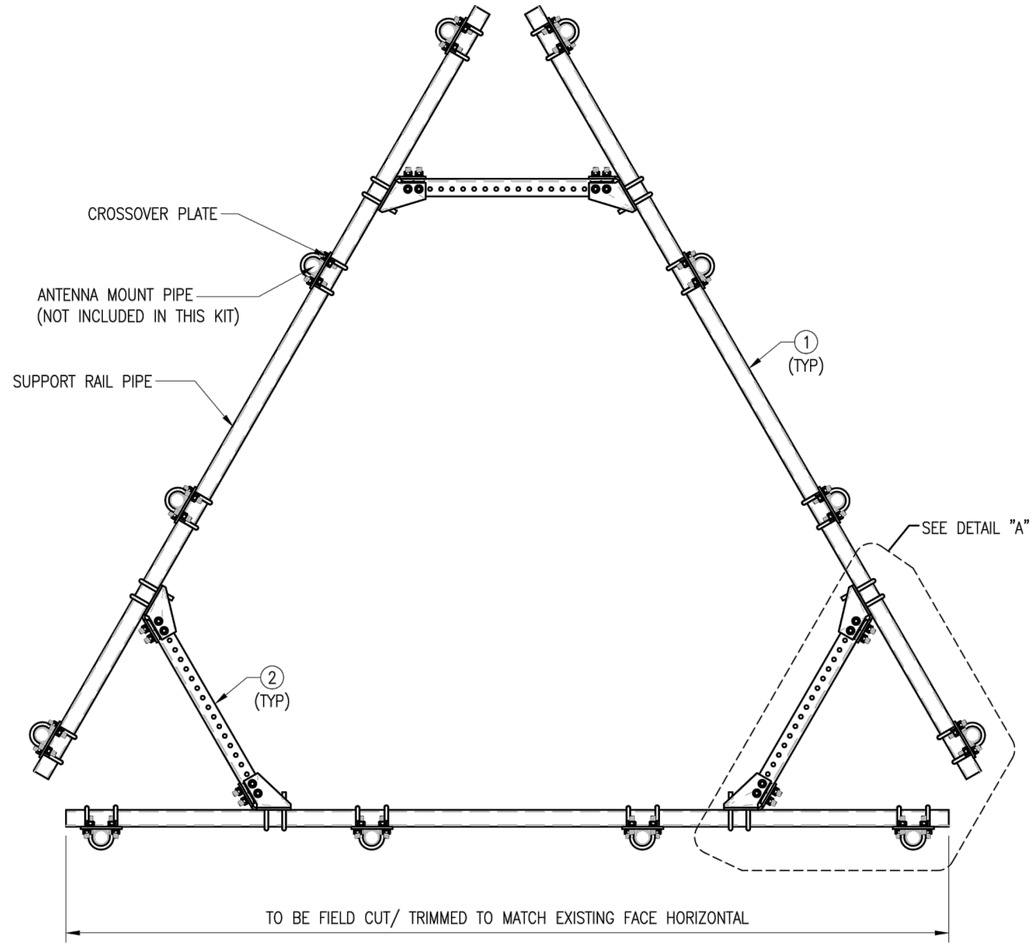
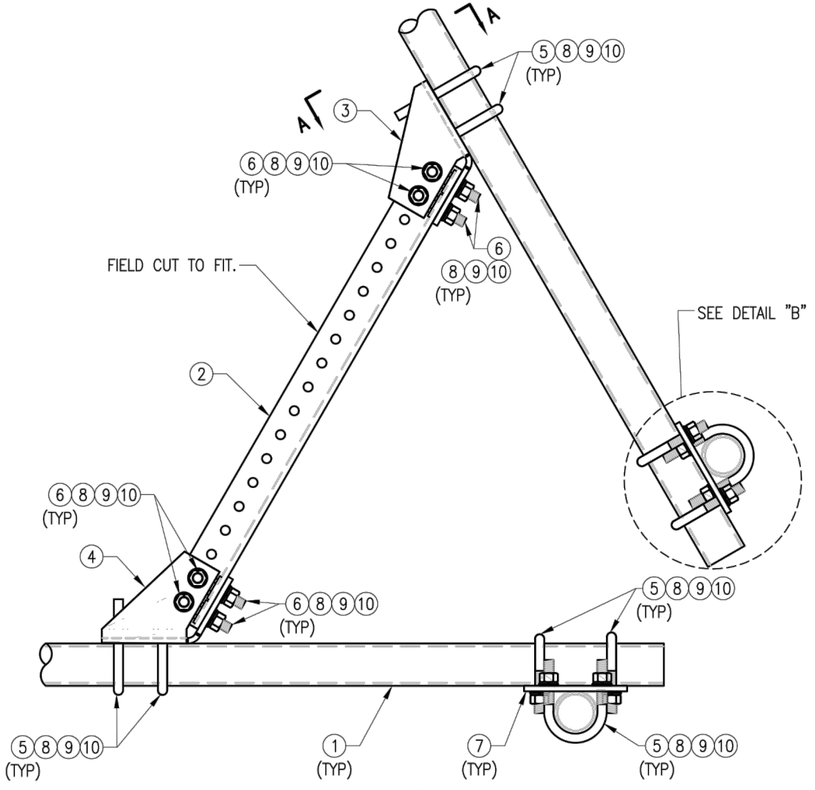
Fax: 856.722.1120

SHEET TITLE : MOUNT PHOTOS

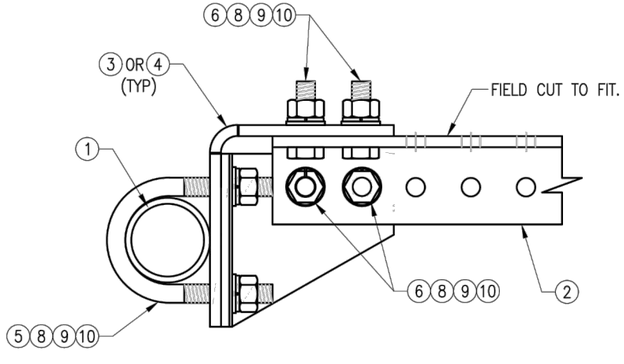
SHEET NUMBER : S-7



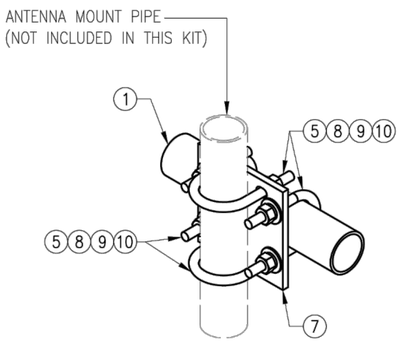
PLAN VIEW



DETAIL "A"



SECTION "A–A"



DETAIL "B"

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

VZW SMART–PLK1 (SUPPORT RAIL KIT)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	PST2875–12.5	2.5" PST (2.875" O.D. X 0.203" THK.) X 12'–6" A53 GR–B	PLK1–F1	292
2	3	L33375–3	L 3" X 3" X 3/8" X 3'–0" A36	PLK1–F1	66
3	3	CBP–L	CORNER BENT PLATE BRACKET	PLK1–F2	28
4	3	CBP–R	CORNER BENT PLATE BRACKET	PLK1–F2	28
5	60	MS02–625–300–500	RU–BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC–1	82
6	24	---	BOLT 5/8" X 2" A325	---	9
7	12	PL375–857	PL 3/8" X 8 1/2" X 7'–0" A36	PLK1–F3	77
8	144	FW–625	5/8" HDG USS FLAT WASHER	---	12
9	144	LW–625	5/8" HDG LOCK WASHER	---	3
10	144	NUT–625	5/8" HDG HEX NUT	---	17
				GALVANIZED WT	504

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DRAWN BY: H.R | CHECKED BY: HMA

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

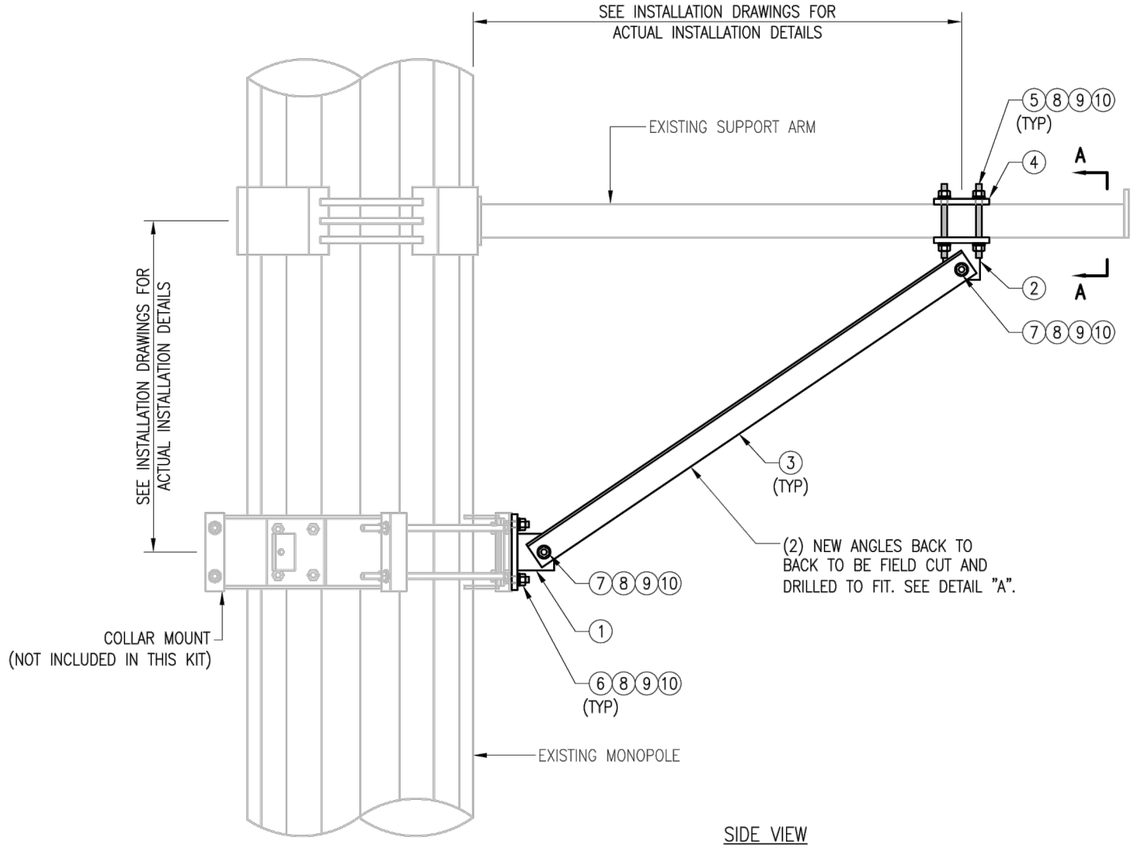
SHEET TITLE:

VZWSMART–PLK1
SUPPORT RAIL KIT

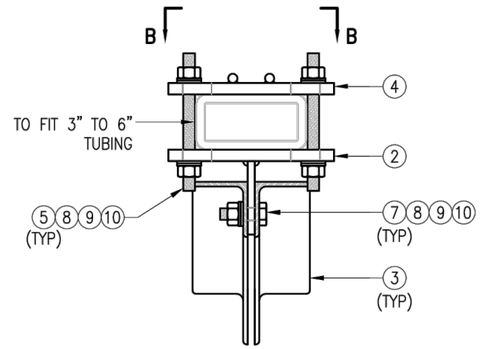
SHEET NUMBER: VZWSMART–PLK1

REV #: 0

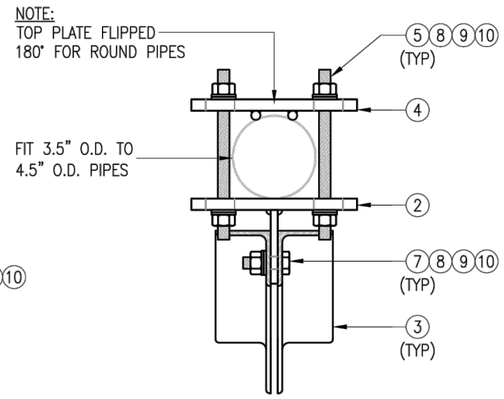
NOTE:
THE LOCATION OF KICKER AND EXISTING ANTENNA MOUNT SHOWN ON THE DRAWING IS FOR REPRESENTATION PURPOSE ONLY. SEE INSTALLATION DRAWINGS FOR ACTUAL INSTALLATION OF DETAILS.



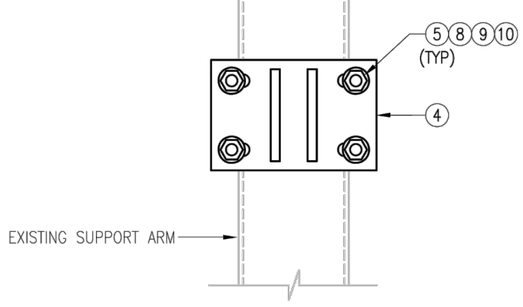
SIDE VIEW
KICKER KIT



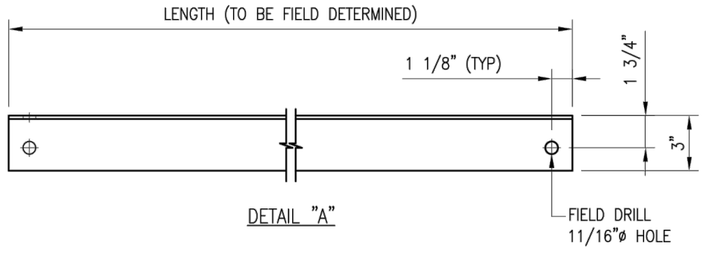
SECTION "A–A"
RECT. HSS MOUNTING



SECTION "A–A"
ROUND PIPE MOUNTING



SECTION "B–B"



DETAIL "A"

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

VZWSMART–PLK5 (KICKER KIT)

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

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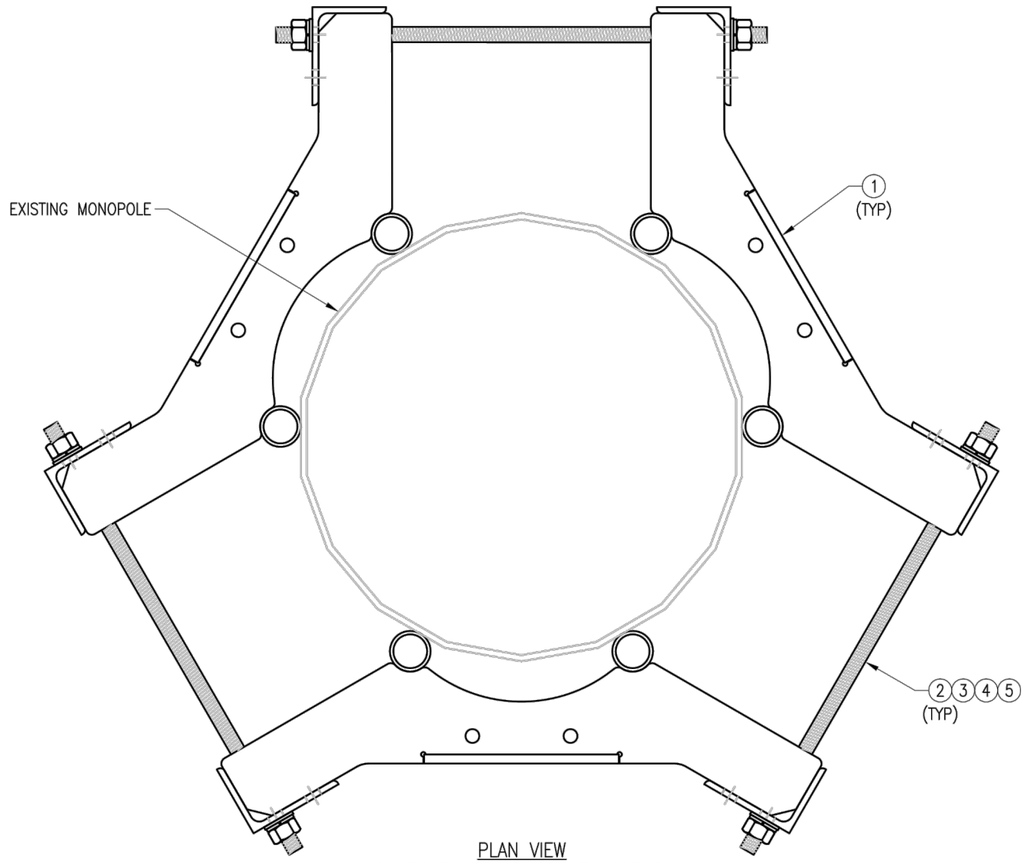
DRAWN BY: MN | CHECKED BY: HMA/KW

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

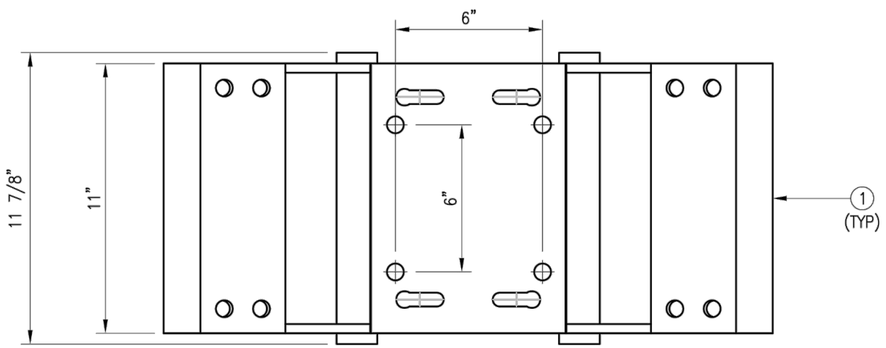
SHEET TITLE:
VZWSMART–PLK5
KICKER KIT

SHEET NUMBER: VZWSMART–PLK5

REV #: 0



PLAN VIEW
MONOPOLE COLLAR MOUNT ASSEMBLY



FRONT VIEW

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

VZWSMART-PLK7 (MONOPOLE COLLAR MOUNT ASSEMBLY)

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

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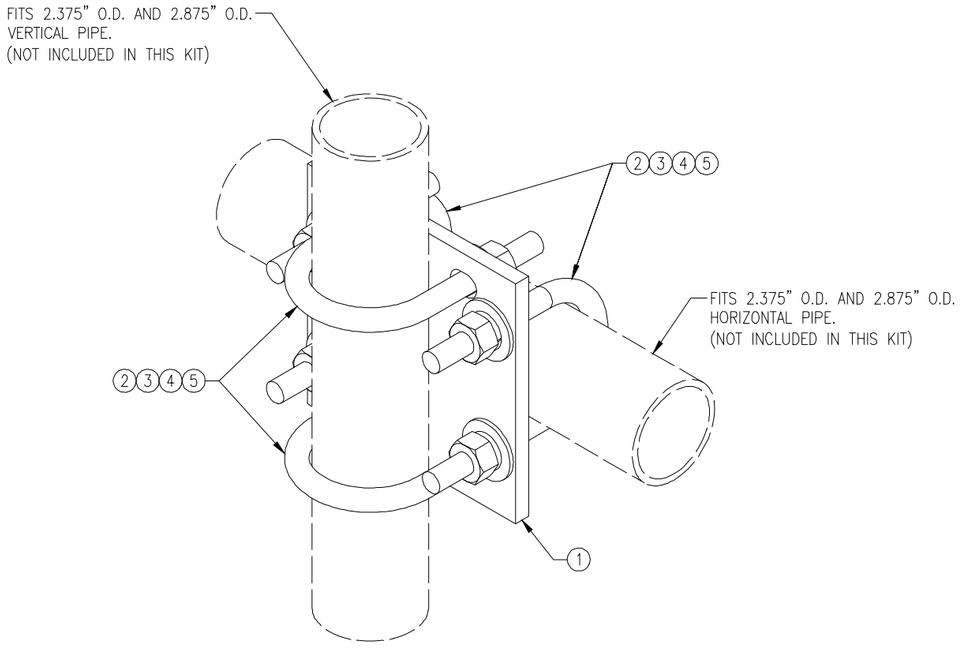
DRAWN BY: BT | CHECKED BY: HMA/KW

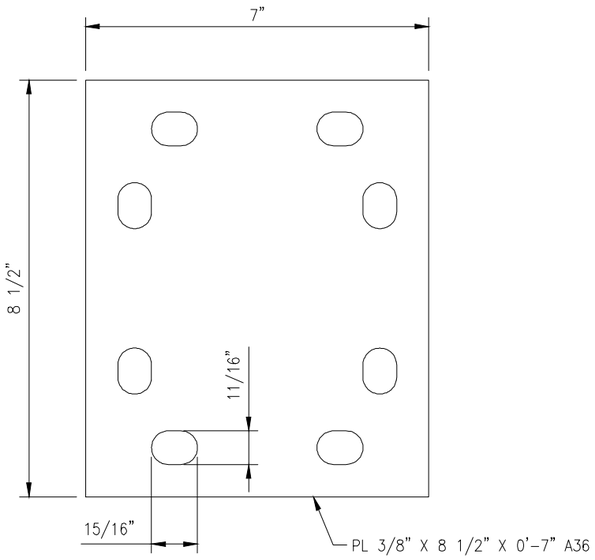
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	BT	05/11/20

SHEET TITLE:
VZWSMART-PLK7
MONOPOLE COLLAR
MOUNT ASSEMBLY

SHEET NUMBER: VZWSMART-PLK7

REV #: 0





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

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DRAWN BY: H.R | CHECKED BY: HMA

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

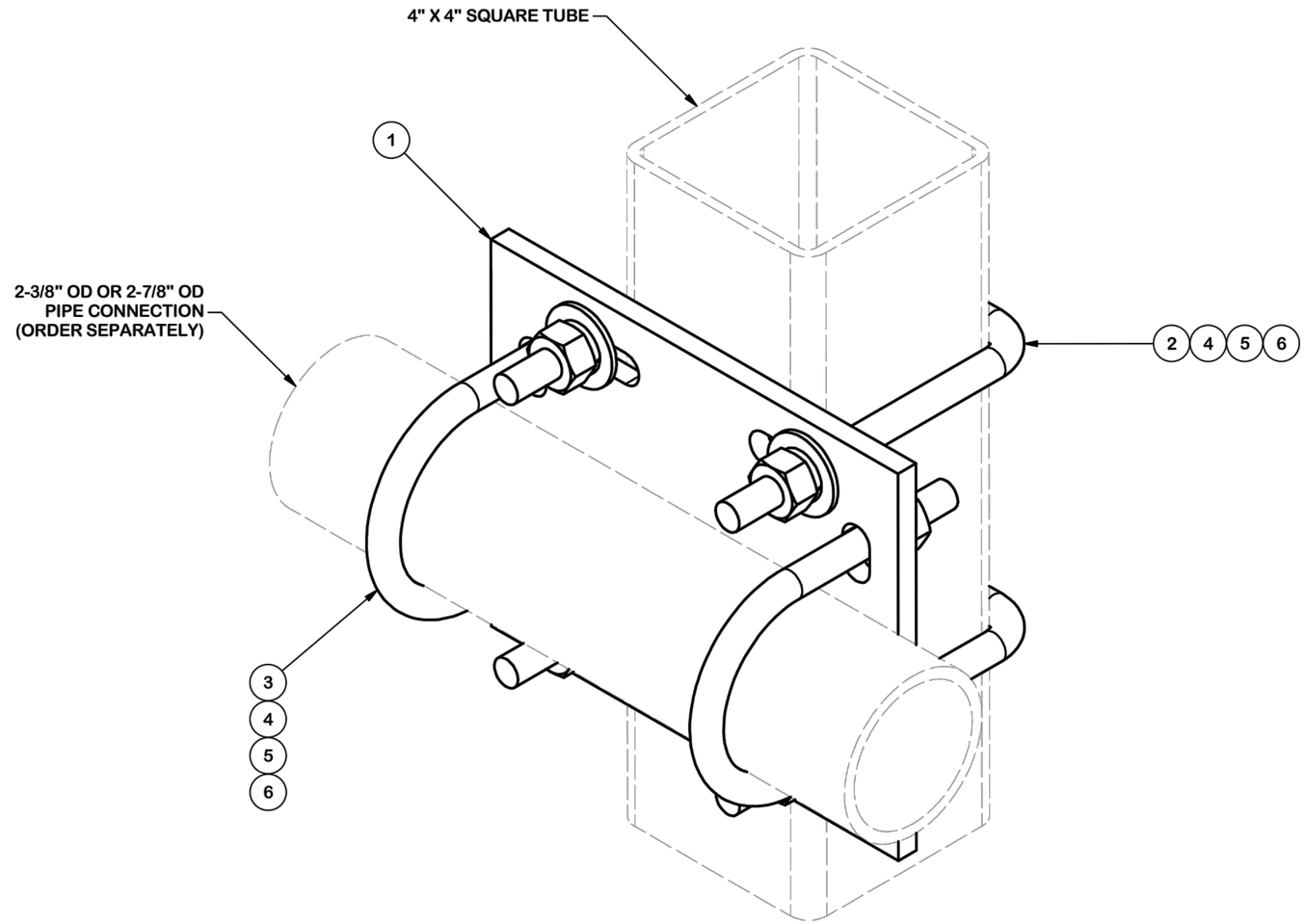
SHEET TITLE:

VZWSMART-MSK1
CROSSOVER PLATE

SHEET NUMBER: VZWSMART-MSK1

REV #: 0

PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	1	SCX4	CROSSOVER PLATE	8 1/2 in	6.02	6.02
2	2	X-SUB1418	SQUARE U-BOLT 0.5" DIA. X 4.125" IW X 6" IL X 3" TR		0.98	1.95
3	2	X-UB1212	1/2" X 2-1/2" X 4-1/2" X 2" U-BOLT (HDG.)		0.60	1.19
3	2	X-UB1300	1/2" X 3" X 5" X 2" U-BOLT (HDG.)		0.67	1.34
4	8	G12FW	1/2" HDG USS FLATWASHER	3/32 in	0.03	0.27
5	8	G12LW	1/2" HDG LOCKWASHER	1/8 in	0.01	0.11
6	8	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	0.57
					TOTAL WT. #	11.35



TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
SAWED, SHEARED AND GAS CUT EDGES (± 0.030")
DRILLED AND GAS CUT HOLES (± 0.030") - NO CONING OF HOLES
LASER CUT EDGES AND HOLES (± 0.010") - NO CONING OF HOLES
BENDS ARE ± 1/2 DEGREE
ALL OTHER MACHINING (± 0.030")
ALL OTHER ASSEMBLY (± 0.060")

DESCRIPTION
CROSSOVER PLATE KIT
W/ SQUARE U-BOLTS AND STD. U-BOLTS

CPD NO.	DRAWN BY	ENG. APPROVAL	PART NO.
	CSL 9/18/2018	3RD PARTY	SQCX4-K

CLASS	SUB	DRAWING USAGE	CHECKED BY	DWG. NO.
87	02	CUSTOMER	BMC 11/12/2018	SQCX4-K

SITE PRO 1
A valmont COMPANY
Engineering Support Team: 1-888-753-7446
Locations:
New York, NY
Atlanta, GA
Los Angeles, CA
Plymouth, IN
Salem, OR
Dallas, TX

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

Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10072488
Maser Consulting Connecticut Project #: 21777520A

June 10, 2021

Site Information	*Site ID:*	*469421-VZW / BEACON FALLS CT*
	Site Name:	*BEACON FALLS CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*664 Rimmon Hill Rd* *Beacon Falls, Connecticut 06483* *New Haven County*
	Latitude:	*41.407317°*
	Longitude:	*-73.079275°*
Structure Information	*Tower Type:*	*Monopole*
	Mount Type:	*12.83-Ft Platform*

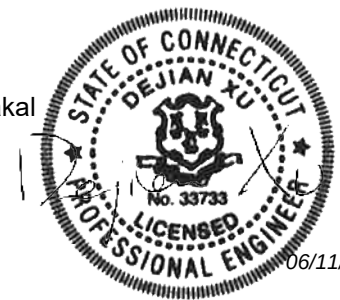
FUZE ID # 16244575

Analysis Results

Platform: **67.3% Pass**

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

Report Prepared By: Prasanna Dhakal



06/11/2021

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS, Site ID: 323426, dated March 30, 2021*
Mount Mapping Report	*FDH Infrastructure Services, Site ID: 469421, dated April 13, 2021*
Previous Mount Analysis	*Maser Consulting Connecticut, Project #: 21777520A, dated May 20, 2021*
Mount Modification Drawings	*Maser Consulting Connecticut, Project #: 21777520A, dated June 10, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	118 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.985
Seismic Parameters:	S_S:	0.200
	S_1:	0.054
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
147.00	148.90	6	Commscope	JAHH-65B-R3B	Added
		3	Samsung	MT6407-77A	
		3	Commscope	CBC78T-DS-43-2X	
		1	Raycap	RVZDC-6627-PF-48	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		6	Decibel	DB844H80-XY	Retained

The recent mount mapping did not report existing OVP units. However, it is acceptable to install up to any three (3) of the OVP model numbers listed below as required at any location other than the mount face without affecting the structural capacity of the mount. If OVP units are installed on the mount face, a mount re-analysis may be required.

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

Standard Conditions:

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

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

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

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

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

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

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

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

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

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Standoff Horizontal	*21.3%*	*Pass*
Corner Plate	*67.3%*	*Pass*
Connection Plate	*13.9%*	*Pass*
Crossmember	*7.4%*	*Pass*
Face Horizontal	*54.5%*	*Pass*
Mount Pipe	*38.4%*	*Pass*
Mod Support Rail	*21.6%*	*Pass*
Mod Support Rail Corner	*29.5%*	*Pass*
Mod Kicker	*12.7%*	*Pass*
Mount Connection (Bolt)	*18.2%*	*Pass*
Mount Connection (Plate)	*20.3%*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**67.3%**

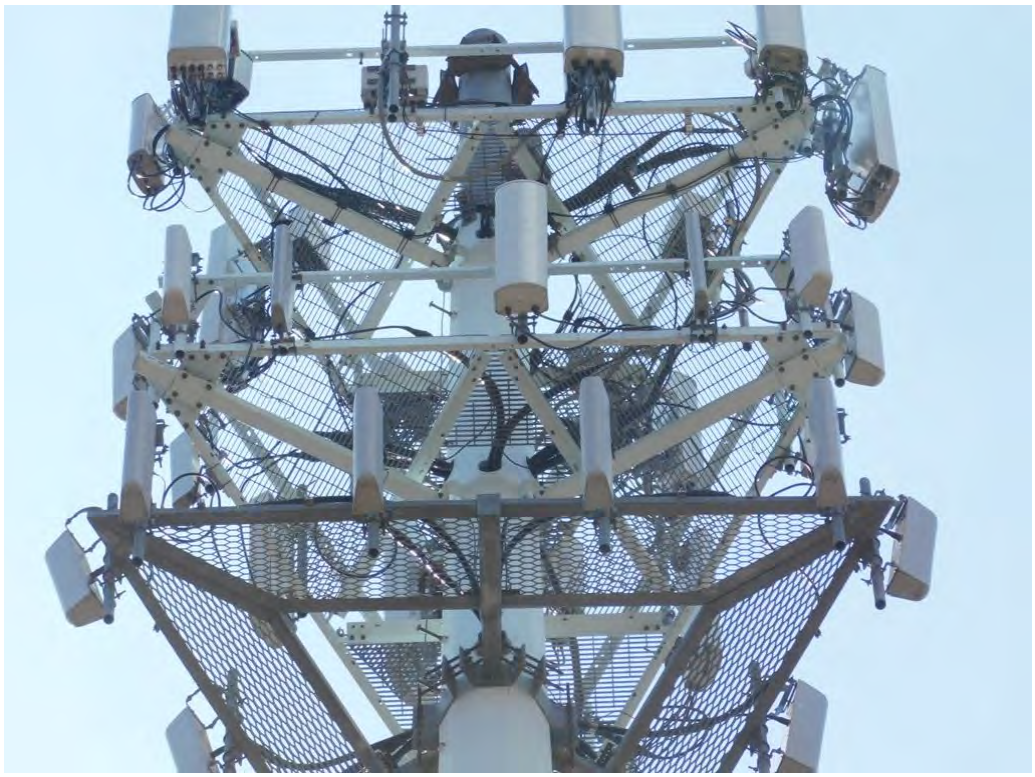
Recommendation:

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

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

Attachments:

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



V3.0 Updated on 8-31-2020

PAUL J. FORD & COMPANY

Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	ATC	**Mapping Date:**	04/13/2021
Site Name:	BEACON FALLS CT	**Tower Type:**	Monopole
Site Number or ID:	469421	**Tower Height (Ft.):**	
Mapping Contractor:	FDH Infrastructure Services	**Mount Elevation (Ft.):**	136.5

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

Mount Pipe Configuration and Geometries [Unit = Inches]

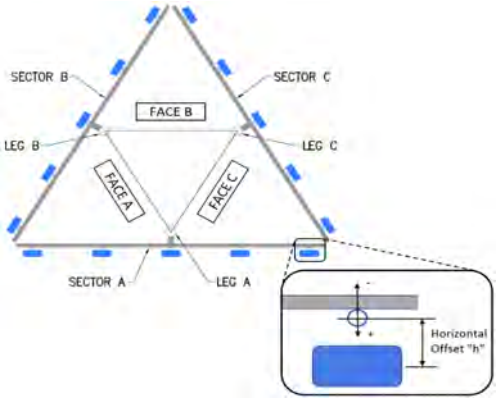
Sector / Position	Mount Pipe Size & Length Ø	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	2.4"Ø x 3/16" x 60"	48.00	7.00	C1	2.4"Ø x 3/16" x 60"	48.00	7.00
A2	2.4"Ø x 3/16" x 60"	48.00	31.00	C2	2.4"Ø x 3/16" x 60"	48.00	31.00
A3	2.4"Ø x 3/16" x 89"	81.00	68.00	C3	2.4"Ø x 3/16" x 84"	76.00	68.00
A4	2.4"Ø x 3/16" x 60"	48.00	123.00	C4	2.4"Ø x 3/16" x 60"	48.00	123.00
A5	2.4"Ø x 3/16" x 60"	48.00	145.50	C5	2.4"Ø x 3/16" x 60"	48.00	145.50
A6				C6			
B1	2.4"Ø x 3/16" x 60"	48.00	7.00	D1			
B2	2.4"Ø x 3/16" x 60"	48.00	31.00	D2			
B3	2.4"Ø x 3/16" x 84"	76.00	68.00	D3			
B4	2.4"Ø x 3/16" x 60"	48.00	123.00	D4			
B5	2.4"Ø x 3/16" x 60"	48.00	145.50	D5			
B6				D6			

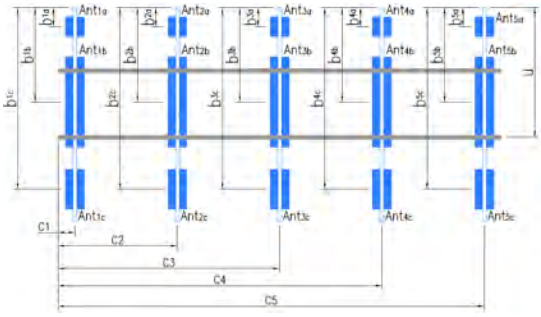
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	23.50
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	7.75

Please enter additional infomation or comments below.

(12) 1 5-8" Coax (pics 35-37)

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



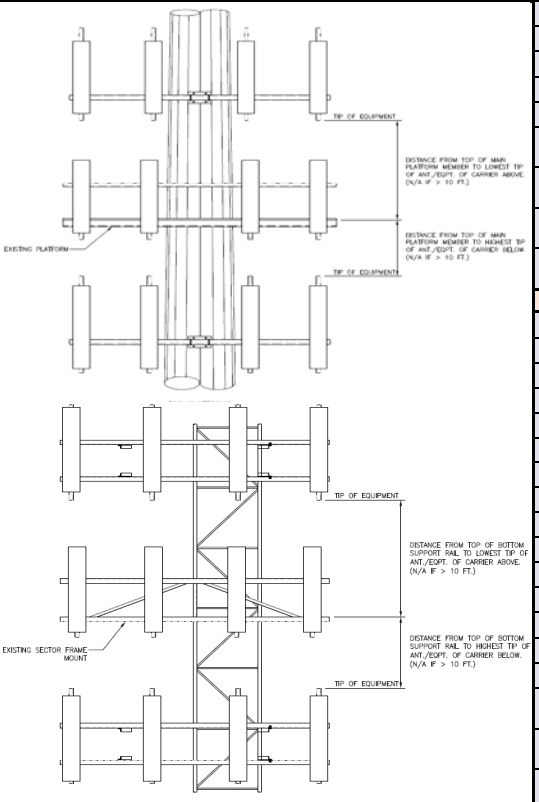


Antenna Layout (Looking Out From Tower)

Ants. Items	Enter antenna model. If not labeled, enter "Unknown". Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Mounting Locations [Units are inches and degrees] Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photos of antennas Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}	Andrew D8844H80E->	6.00	8.00	48.00		136.458	25.00	8.00	20.00	172
Ant_{1c}	RFS FD9R6004/2C-3L	6.50	0.75	6.00		135.708	34.00	-2.00	20.00	174
Ant_{2a}										
Ant_{2b}	Andrew 948F85T2E-M	3.00	6.50	48.00		135.708	34.00	9.00	20.00	175
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	Unknown	12.00	6.00	72.00		137.458	46.00	9.00	20.00	176
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	Andrew 948F85T2E-M	3.00	6.50	48.00		135.708	34.00	9.00	20.00	177
Ant_{4c}										
Ant_{5a}										
Ant_{5b}	Andrew D8844H80E->	6.00	8.00	48.00		136.458	25.00	8.00	20.00	179
Ant_{5c}	RFS FD9R6004/2C-3L	6.50	0.75	6.00		135.708	34.00	-2.00	20.00	179
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector			Tower Leg Azimuth (Degree) for Each Sector		
Sector A:	20.00	Deg	Leg A:		Deg
Sector B:	140.00	Deg	Leg B:		Deg
Sector C:	260.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

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



Sector B										
Ant_{1a}										
Ant_{1b}	Andrew D8844H80E-X	6.00	8.00	48.00		136.458	25.00	8.00	140.00	181
Ant_{1c}	RFS FD9R6004/2C-3L	6.50	0.75	6.00		135.708	34.00	-2.00	140.00	181
Ant_{2a}										
Ant_{2b}	Andrew 948F85T2E-M	3.00	6.50	48.00		135.708	34.00	9.00	140.00	182
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	Andrew LNX-6514DS-	12.00	7.00	72.00		137.042	46.00	7.00	140.00	183
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	Andrew 948F85T2E-M	3.00	6.50	48.00		135.708	34.00	9.00	140.00	184
Ant_{4c}										
Ant_{5a}										
Ant_{5b}	Andrew D8844H80E-X	6.00	8.00	48.00		136.458	25.00	8.00	140.00	185
Ant_{5c}	RFS FD9R6004/2C-3L	6.50	0.75	6.00		135.708	34.00	-2.00	140.00	185
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}										
Ant_{1b}	Andrew D8844H80E-X	6.00	8.00	48.00		136.458	25.00	8.00	260.00	187
Ant_{1c}	RFS FD9R6004/2C-3L	6.50	0.75	6.00		135.708	34.00	-2.00	260.00	187
Ant_{2a}										
Ant_{2b}	Andrew 948F85T2E-M	3.00	6.50	48.00		135.708	34.00	9.00	260.00	188
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	Andrew LNX-6514DS-	12.00	7.00	72.00		137.375	42.00	7.00	260.00	189
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	Andrew 948F85T2E-M	3.00	6.50	48.00		135.708	34.00	9.00	260.00	190
Ant_{4c}										
Ant_{5a}										
Ant_{5b}	Andrew D8844H80E-X	6.00	8.00	48.00		136.458	25.00	8.00	260.00	191
Ant_{5c}	RFS FD9R6004/2C-3L	6.50	0.75	6.00		135.708	34.00	-2.00	260.00	192
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		
2		
3		
4		
5		
6		
7		
8		

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

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

V3.0 Updated on 8-31-2020

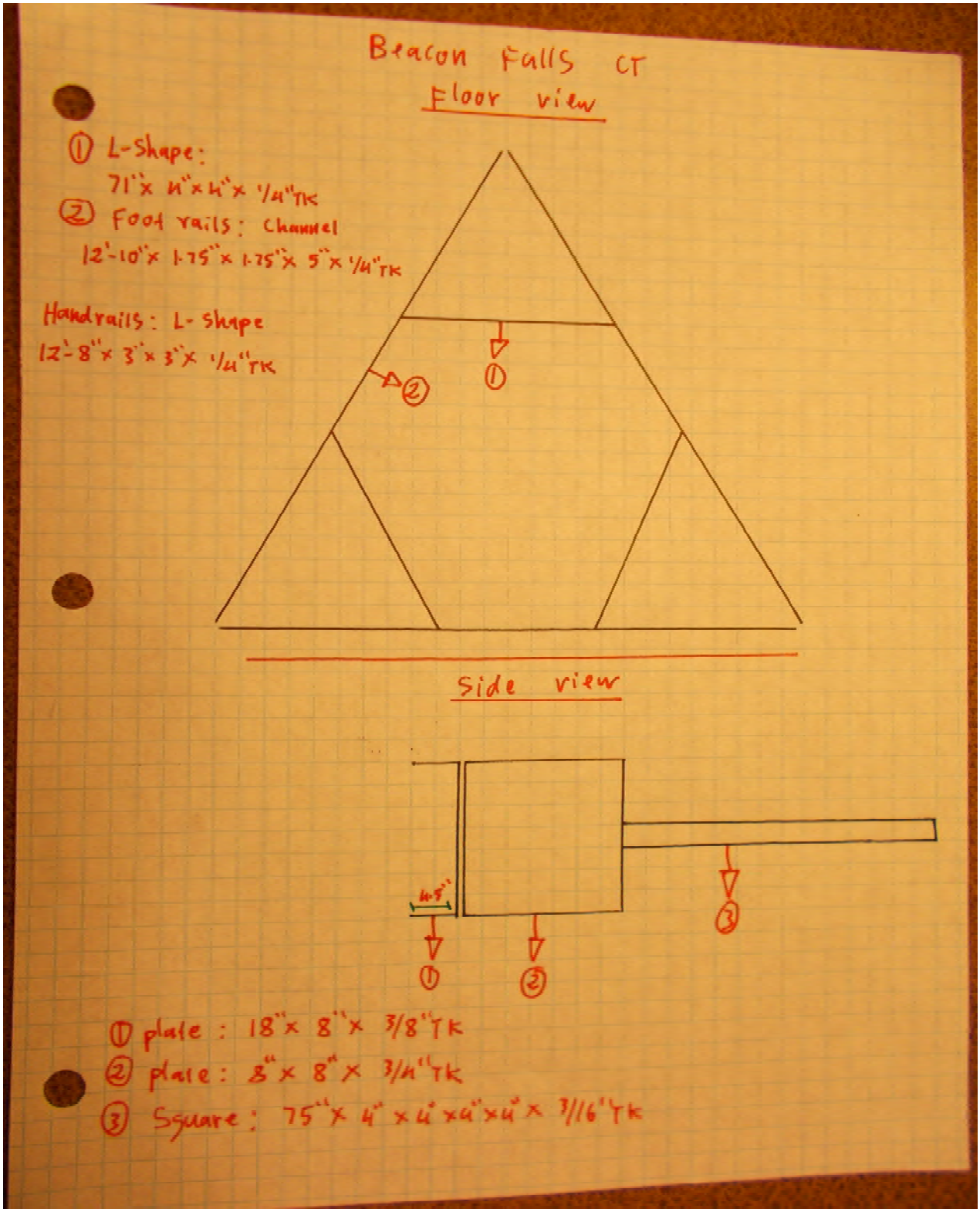
PAUL J. FORD & COMPANY

Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	ATC	**Mapping Date:**	
Site Name:	BEACON FALLS CT	**Tower Type:**	Monopole
Site Number or ID:	469421	**Tower Height (Ft.):**	
Mapping Contractor:	FDH Infrastructure Services	**Mount Elevation (Ft.):**	136.5

Please Insert Sketches of the Antenna Mount



Please Insert Sketches of the Antenna Mount, cont'd

Beacon Falls CT

1st mount "Might be Verizon"

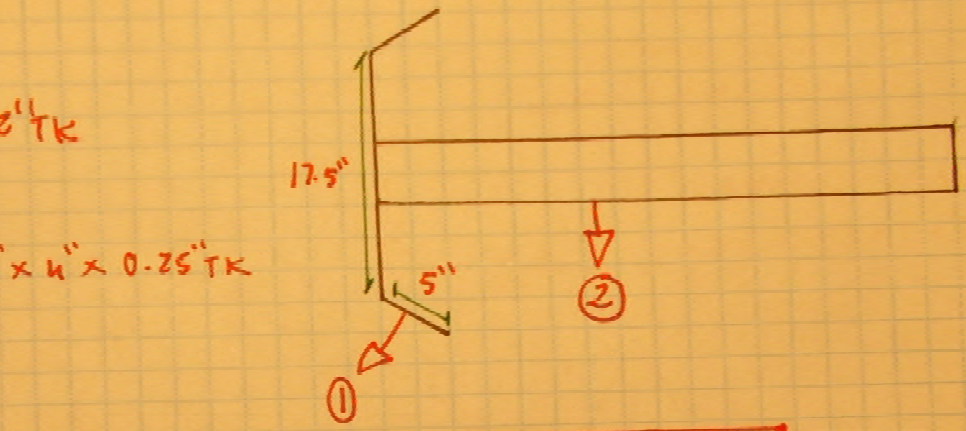
Side view

① plate:

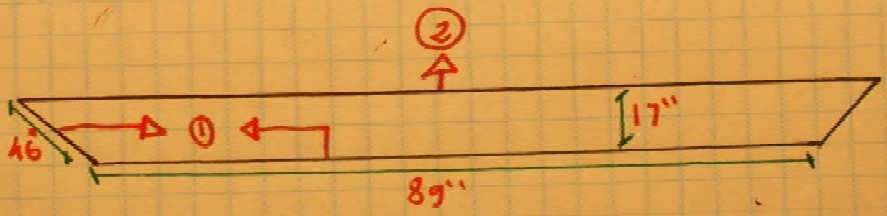
17.5" x 12" x 1/2" TK

② Square:

38" x 4" x 4" x 4" x 4" x 0.25" TK



Floor view



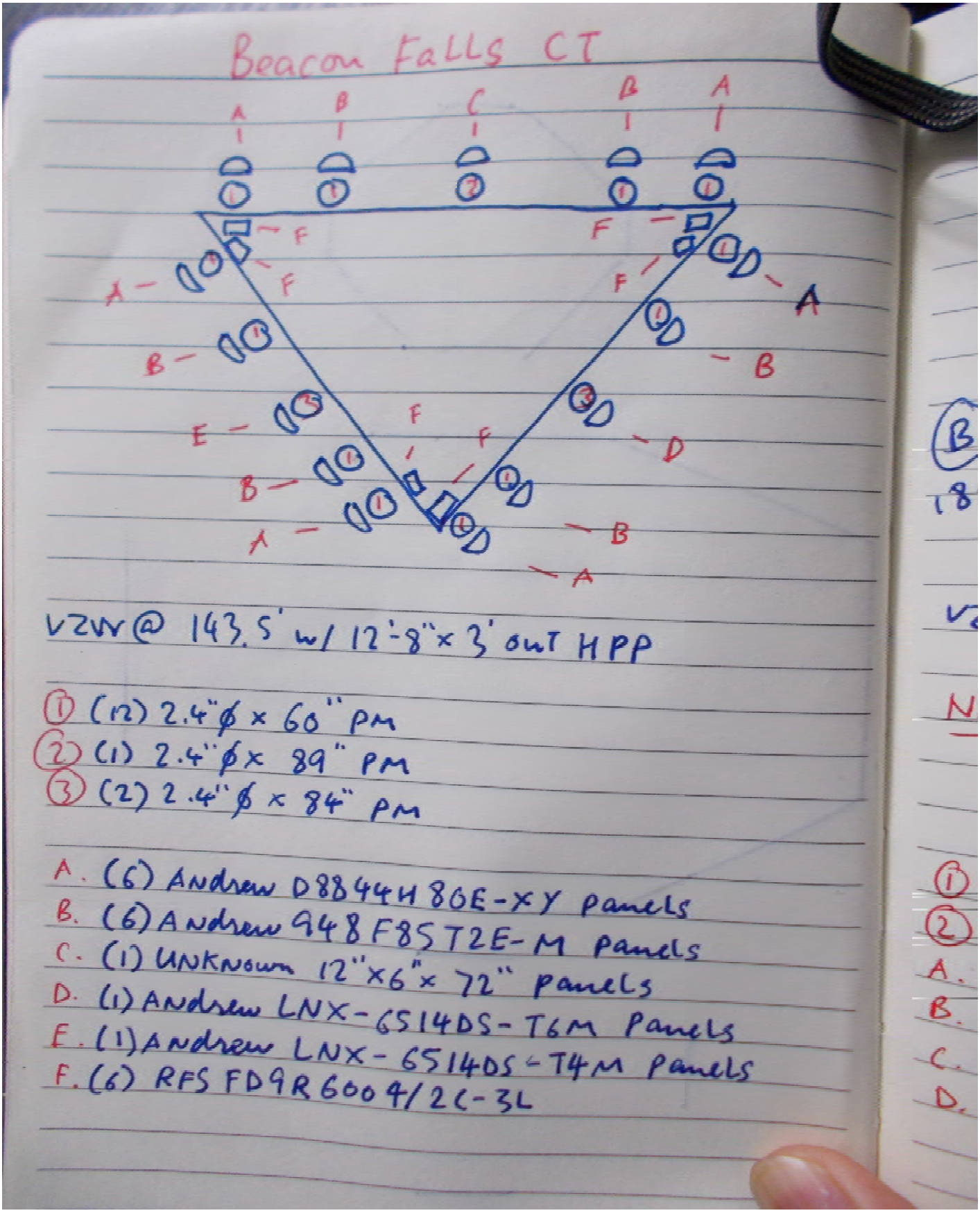
① L-shape: 46" x 3" x 3" x 1/4" TK

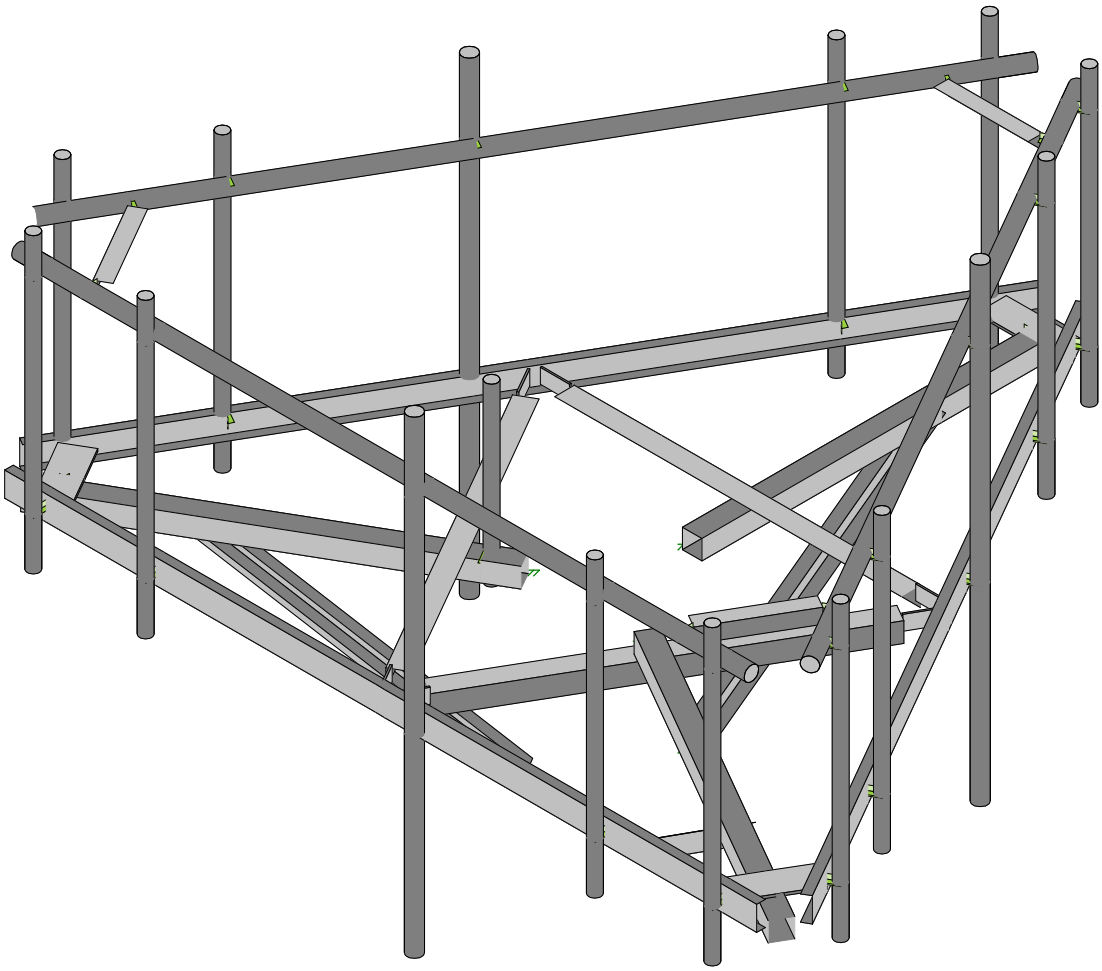
89" x 3" x 3" x 1/4" TK

② Footrail: 14' x 3" x 3" x 1/4" TK (L-shape)

No Handrails.

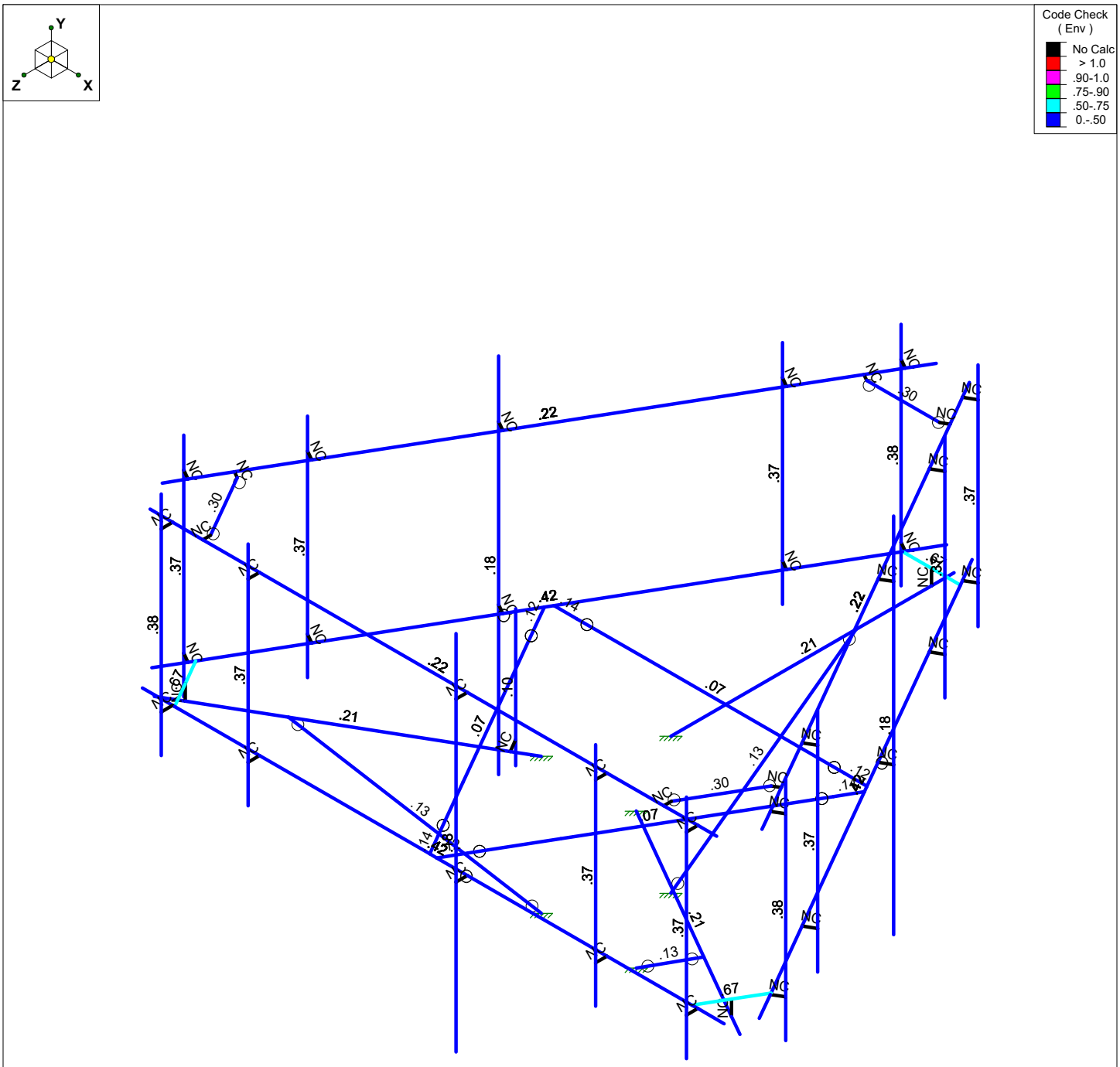
Please Insert Sketches of the Antenna Mount, cont'd





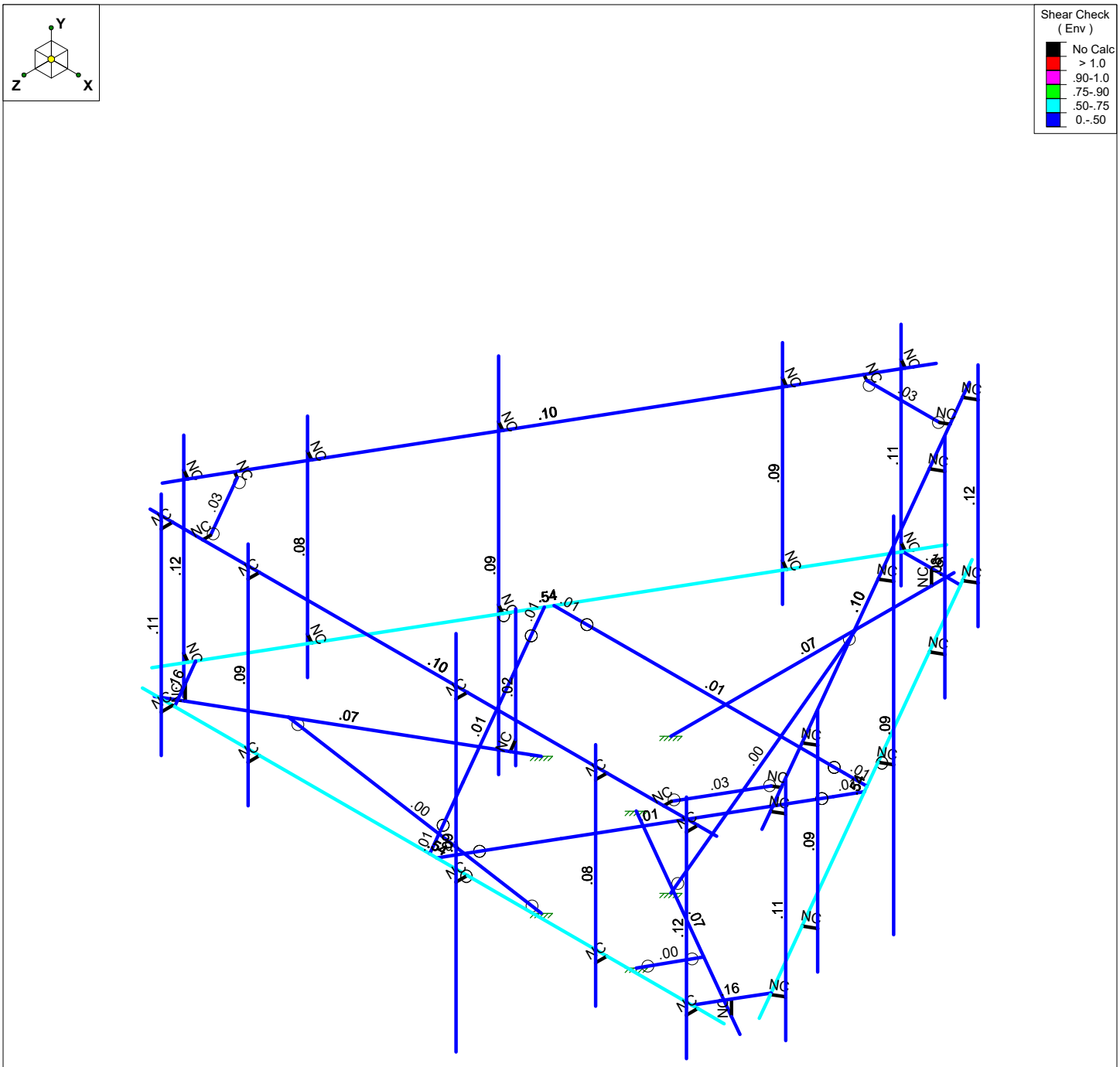
Envelope Only Solution

Maser Consulting	Antenna Mount Analysis	SK - 1
		June 7, 2021 at 7:51 PM
Project # 21777520A		469421-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	Antenna Mount Analysis	SK - 3
		June 7, 2021 at 7:51 PM
Project # 21777520A		469421-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	Antenna Mount Analysis	SK - 4
		June 7, 2021 at 7:52 PM
Project # 21777520A		469421-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribu...	Area(Member)	Surface...
1	Antenna D	None					120			
2	Antenna Di	None					120			
3	Antenna Wo (0 Deg)	None					120			
4	Antenna Wo (30 Deg)	None					120			
5	Antenna Wo (60 Deg)	None					120			
6	Antenna Wo (90 Deg)	None					120			
7	Antenna Wo (120 Deg)	None					120			
8	Antenna Wo (150 Deg)	None					120			
9	Antenna Wo (180 Deg)	None					120			
10	Antenna Wo (210 Deg)	None					120			
11	Antenna Wo (240 Deg)	None					120			
12	Antenna Wo (270 Deg)	None					120			
13	Antenna Wo (300 Deg)	None					120			
14	Antenna Wo (330 Deg)	None					120			
15	Antenna Wi (0 Deg)	None					120			
16	Antenna Wi (30 Deg)	None					120			
17	Antenna Wi (60 Deg)	None					120			
18	Antenna Wi (90 Deg)	None					120			
19	Antenna Wi (120 Deg)	None					120			
20	Antenna Wi (150 Deg)	None					120			
21	Antenna Wi (180 Deg)	None					120			
22	Antenna Wi (210 Deg)	None					120			
23	Antenna Wi (240 Deg)	None					120			
24	Antenna Wi (270 Deg)	None					120			
25	Antenna Wi (300 Deg)	None					120			
26	Antenna Wi (330 Deg)	None					120			
27	Antenna Wm (0 Deg)	None					120			
28	Antenna Wm (30 Deg)	None					120			
29	Antenna Wm (60 Deg)	None					120			
30	Antenna Wm (90 Deg)	None					120			
31	Antenna Wm (120 Deg)	None					120			
32	Antenna Wm (150 Deg)	None					120			
33	Antenna Wm (180 Deg)	None					120			
34	Antenna Wm (210 Deg)	None					120			
35	Antenna Wm (240 Deg)	None					120			
36	Antenna Wm (270 Deg)	None					120			
37	Antenna Wm (300 Deg)	None					120			
38	Antenna Wm (330 Deg)	None					120			
39	Structure D	None		-1					6	
40	Structure Di	None						43	6	
41	Structure Wo (0 Deg)	None						86		
42	Structure Wo (30 Deg)	None						86		
43	Structure Wo (60 Deg)	None						86		
44	Structure Wo (90 Deg)	None						86		
45	Structure Wo (120 Deg)	None						86		
46	Structure Wo (150 Deg)	None						86		
47	Structure Wo (180 Deg)	None						86		
48	Structure Wo (210 Deg)	None						86		
49	Structure Wo (240 Deg)	None						86		
50	Structure Wo (270 Deg)	None						86		
51	Structure Wo (300 Deg)	None						86		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribu...	Area(Member)	Surface...
52	Structure Wo (330 Deg)	None						86		
53	Structure Wi (0 Deg)	None						86		
54	Structure Wi (30 Deg)	None						86		
55	Structure Wi (60 Deg)	None						86		
56	Structure Wi (90 Deg)	None						86		
57	Structure Wi (120 Deg)	None						86		
58	Structure Wi (150 Deg)	None						86		
59	Structure Wi (180 Deg)	None						86		
60	Structure Wi (210 Deg)	None						86		
61	Structure Wi (240 Deg)	None						86		
62	Structure Wi (270 Deg)	None						86		
63	Structure Wi (300 Deg)	None						86		
64	Structure Wi (330 Deg)	None						86		
65	Structure Wm (0 Deg)	None						86		
66	Structure Wm (30 Deg)	None						86		
67	Structure Wm (60 Deg)	None						86		
68	Structure Wm (90 Deg)	None						86		
69	Structure Wm (120 Deg)	None						86		
70	Structure Wm (150 Deg)	None						86		
71	Structure Wm (180 Deg)	None						86		
72	Structure Wm (210 Deg)	None						86		
73	Structure Wm (240 Deg)	None						86		
74	Structure Wm (270 Deg)	None						86		
75	Structure Wm (300 Deg)	None						86		
76	Structure Wm (330 Deg)	None						86		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 39 Transient Area Loads	None						75		
82	BLC 40 Transient Area Loads	None						75		

Load Combinations

	Description	So..	P...	SRSS	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac...
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 D...	Yes	Y		1	1.2	39	1.2	7	1	45	1														
6	1.2D+1.0Wo (150 D...	Yes	Y		1	1.2	39	1.2	8	1	46	1														
7	1.2D+1.0Wo (180 D...	Yes	Y		1	1.2	39	1.2	9	1	47	1														
8	1.2D+1.0Wo (210 D...	Yes	Y		1	1.2	39	1.2	10	1	48	1														
9	1.2D+1.0Wo (240 D...	Yes	Y		1	1.2	39	1.2	11	1	49	1														
10	1.2D+1.0Wo (270 D...	Yes	Y		1	1.2	39	1.2	12	1	50	1														
11	1.2D+1.0Wo (300 D...	Yes	Y		1	1.2	39	1.2	13	1	51	1														
12	1.2D+1.0Wo (330 D...	Yes	Y		1	1.2	39	1.2	14	1	52	1														
13	1.2D + 1.0Di + 1.0W ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1										
14	1.2D + 1.0Di + 1.0W ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1										
15	1.2D + 1.0Di + 1.0W ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1										
16	1.2D + 1.0Di + 1.0W ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1										

Load Combinations (Continued)

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

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	0	0	0	0	
2	N2	0	0	-1.208333	0	
3	N6A	0	0	-6.958333	0	
4	N7	0	0.333333	-6.958333	0	
5	N111A	0.637892	0.333333	-6.958333	0	
6	N112A	-0.637892	0.333333	-6.958333	0	
7	N17	0	0	-7.458333	0	
8	N14	-3.452474	0.333333	-2.083333	0	
9	N15	3.452474	0.333333	-2.083333	0	
10	N14A	-2.952474	0.333333	-2.083333	0	
11	N15A	2.952442	0.333333	-2.083333	0	
12	N13	-1.046447	0	0.604167	0	
13	N14B	-6.026093	0	3.479167	0	
14	N15B	-6.026093	0.333333	3.479167	0	
15	N16	-6.345039	0.333333	2.926736	0	
16	N17A	-5.707148	0.333333	4.031597	0	
17	N18	-6.459106	0	3.729167	0	
18	N19	-0.077982	0.333333	4.031597	0	
19	N20	-3.530457	0.333333	-1.948264	0	
20	N21	-0.327982	0.333333	3.598584	0	
21	N22	-3.280441	0.333333	-1.515223	0	
22	N24	1.046447	0	0.604167	0	
23	N25	6.026093	0	3.479167	0	
24	N26	6.026093	0.333333	3.479167	0	
25	N27	5.707148	0.333333	4.031597	0	
26	N28	6.345039	0.333333	2.926736	0	
27	N29	6.459106	0	3.729167	0	
28	N30	3.530457	0.333333	-1.948264	0	
29	N31	0.077982	0.333333	4.031597	0	
30	N32	3.280457	0.333333	-1.515251	0	
31	N33	0.327998	0.333333	3.598557	0	
32	N33A	6.416667	0.333333	4.031597	0	
33	N34	-6.416667	0.333333	4.031597	0	
34	N36	0.283132	0.333333	-7.572795	0	
35	N37	6.699799	0.333333	3.541198	0	
36	N39	-6.699799	0.333333	3.541198	0	
37	N40	-0.283132	0.333333	-7.572795	0	
38	N39A	6.25	3.833333	4.031597	0	
39	N40A	-6.25	3.833333	4.031597	0	
40	N51	5.833333	0.333333	4.031597	0	
41	N52	5.833333	3.833333	4.031597	0	
42	N53	5.833333	0.333333	4.281597	0	
43	N54	5.833333	3.833333	4.281597	0	
44	N55	5.833333	4.5	4.281597	0	
45	N56	5.833333	-.5	4.281597	0	
46	N57	3.833333	0.333333	4.031597	0	
47	N58	3.833333	3.833333	4.031597	0	
48	N59	3.833333	0.333333	4.281597	0	
49	N60	3.833333	3.833333	4.281597	0	
50	N61	3.833333	4.5	4.281597	0	
51	N62	3.833333	-.5	4.281597	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
52	N63	-3.833333	0.333333	4.031597	0	
53	N64	-3.833333	3.833333	4.031597	0	
54	N65	-3.833333	0.333333	4.281597	0	
55	N66	-3.833333	3.833333	4.281597	0	
56	N67	-3.833333	4.5	4.281597	0	
57	N68	-3.833333	-.5	4.281597	0	
58	N69	-5.75	0.333333	4.031597	0	
59	N70	-5.75	3.833333	4.031597	0	
60	N71	-5.75	0.333333	4.281597	0	
61	N72	-5.75	3.833333	4.281597	0	
62	N73	-5.75	4.5	4.281597	0	
63	N74	-5.75	-.5	4.281597	0	
64	N75	.75	0.333333	4.031597	0	
65	N76	.75	3.833333	4.031597	0	
66	N77	.75	0.333333	4.281597	0	
67	N78	.75	3.833333	4.281597	0	
68	N79	.75	5.083333	4.281597	0	
69	N80	.75	-2.916667	4.281597	0	
70	N82	0.574799	0.333333	-7.067613	0	
71	N83	0.574799	3.833333	-7.067613	0	
72	N84	0.791305	0.333333	-7.192613	0	
73	N85	0.791305	3.833333	-7.192613	0	
74	N86	0.791305	4.5	-7.192613	0	
75	N87	0.791305	-.5	-7.192613	0	
76	N88	1.574799	0.333333	-5.335563	0	
77	N89	1.574799	3.833333	-5.335563	0	
78	N90	1.791305	0.333333	-5.460563	0	
79	N91	1.791305	3.833333	-5.460563	0	
80	N92	1.791305	4.5	-5.460563	0	
81	N93	1.791305	-.5	-5.460563	0	
82	N94	5.408132	0.333333	1.303966	0	
83	N95	5.408132	3.833333	1.303966	0	
84	N96	5.624639	0.333333	1.178966	0	
85	N97	5.624639	3.833333	1.178966	0	
86	N98	5.624639	4.5	1.178966	0	
87	N99	5.624639	-.5	1.178966	0	
88	N100	6.366466	0.333333	2.963848	0	
89	N101	6.366466	3.833333	2.963848	0	
90	N102	6.582972	0.333333	2.838848	0	
91	N103	6.582972	3.833333	2.838848	0	
92	N104	6.582972	4.5	2.838848	0	
93	N105	6.582972	-.5	2.838848	0	
94	N106	3.116466	0.333333	-2.665318	0	
95	N107	3.116466	3.833333	-2.665318	0	
96	N108	3.332972	0.333333	-2.790318	0	
97	N109	3.332972	3.833333	-2.790318	0	
98	N110	3.332972	5.083333	-2.790318	0	
99	N111	3.332972	-2.916667	-2.790318	0	
100	N113	-6.408132	0.333333	3.036016	0	
101	N114	-6.408132	3.833333	3.036016	0	
102	N115	-6.624639	0.333333	2.911016	0	
103	N116	-6.624639	3.833333	2.911016	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
104	N117	-6.624639	4.5	2.911016	0	
105	N118	-6.624639	-.5	2.911016	0	
106	N119	-5.408132	0.333333	1.303966	0	
107	N120	-5.408132	3.833333	1.303966	0	
108	N121	-5.624639	0.333333	1.178966	0	
109	N122	-5.624639	3.833333	1.178966	0	
110	N123	-5.624639	4.5	1.178966	0	
111	N124	-5.624639	-.5	1.178966	0	
112	N125	-1.574799	0.333333	-5.335563	0	
113	N126	-1.574799	3.833333	-5.335563	0	
114	N127	-1.791305	0.333333	-5.460563	0	
115	N128	-1.791305	3.833333	-5.460563	0	
116	N129	-1.791305	4.5	-5.460563	0	
117	N130	-1.791305	-.5	-5.460563	0	
118	N131	-0.616466	0.333333	-6.995445	0	
119	N132	-0.616466	3.833333	-6.995445	0	
120	N133	-0.832972	0.333333	-7.120445	0	
121	N134	-0.832972	3.833333	-7.120445	0	
122	N135	-0.832972	4.5	-7.120445	0	
123	N136	-0.832972	-.5	-7.120445	0	
124	N137	-3.866466	0.333333	-1.366279	0	
125	N138	-3.866466	3.833333	-1.366279	0	
126	N139	-4.082972	0.333333	-1.491279	0	
127	N140	-4.082972	3.833333	-1.491279	0	
128	N141	-4.082972	5.083333	-1.491279	0	
129	N142	-4.082972	-2.916667	-1.491279	0	
130	N141A	-1.47946	0	0.854167	0	
131	N142A	-1.646127	0	0.565492	0	
132	N143	-1.646127	-.5	0.565492	0	
133	N144	-1.646127	2.5	0.565492	0	
134	N145	-1.452474	0.333333	-2.083333	0	
135	N146	1.452442	0.333333	-2.083333	0	
136	N148	-1.077982	0.333333	2.299546	0	
137	N149	-2.530441	0.333333	-0.216185	0	
138	N151	2.530457	0.333333	-0.216213	0	
139	N152	1.077998	0.333333	2.299519	0	
140	N141B	0.366466	3.833333	-7.428457	0	
141	N142B	6.616466	3.833333	3.39686	0	
142	N143A	-6.616466	3.833333	3.39686	0	
143	N144A	-0.366466	3.833333	-7.428457	0	
144	N145A	-5.083333	3.833333	4.031597	0	
145	N146A	-5.083333	3.833333	3.86493	0	
146	N147	5.083333	3.833333	4.031597	0	
147	N148A	5.083333	3.833333	3.86493	0	
148	N149A	6.033132	3.833333	2.386497	0	
149	N150	5.888795	3.833333	2.469831	0	
150	N151A	0.949799	3.833333	-6.418094	0	
151	N152A	0.805461	3.833333	-6.334761	0	
152	N153	-0.949799	3.833333	-6.418094	0	
153	N154	-0.805461	3.833333	-6.334761	0	
154	N155	-6.033132	3.833333	2.386497	0	
155	N156	-5.888795	3.833333	2.469831	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
156	N157	0	-3	-1.208333	0	
157	N158	0	0	-5.291667	0	
158	N159	-1.046447	-3	0.604167	0	
159	N160	-4.582718	0	2.645833	0	
160	N161	1.046447	-3	0.604167	0	
161	N162	4.582718	0	2.645833	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	C5X6.7	Beam	Channel	A36 Gr.36	Typical	1.97	.47	7.48	.055
3	Crossmember	L4X4X4	Beam	Single Angle	A36 Gr.36	Typical	1.93	3	3	.044
4	Standoff Horizontal	HSS4X4X4	Beam	Tube	A500 Gr. B 46	Typical	3.37	7.8	7.8	12.8
5	Connection Plate	PL3/8X3	Beam	RECT	A36 Gr.36	Typical	1.125	.013	.844	.049
6	Corner Plate	PL1/2x6	Beam	RECT	A36 Gr.36	Typical	3	.063	9	.237
7	Mod Support Rail	PIPE_2.5	Beam	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
8	Dual Antenna	PIPE_2.5	Column	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
9	Mod Kicker	LL3x3x3x3	Column	Double Angle (...	A36 Gr.36	Typical	2.18	4.09	1.9	.027
10	Mod Support Rail Corner	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(de...	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N2	N17			Standoff Horizontal	Beam	Tube	A500 Gr. B 46	Typical
2	M2	N7	N6A			RIGID	None	None	RIGID	Typical
3	M4	N112A	N111A		90	Corner Plate	Beam	RECT	A36 Gr.36	Typical
4	M7	N14	N14A			Connection Plate	Beam	RECT	A36 Gr.36	Typical
5	M7A	N14A	N15A		90	Crossmember	Beam	Single Angle	A36 Gr.36	Typical
6	M8	N15A	N15			Connection Plate	Beam	RECT	A36 Gr.36	Typical
7	M7B	N13	N18			Standoff Horizontal	Beam	Tube	A500 Gr. B 46	Typical
8	M8A	N15B	N14B			RIGID	None	None	RIGID	Typical
9	M9	N17A	N16		90	Corner Plate	Beam	RECT	A36 Gr.36	Typical
10	M10	N19	N21			Connection Plate	Beam	RECT	A36 Gr.36	Typical
11	M11	N21	N22		90	Crossmember	Beam	Single Angle	A36 Gr.36	Typical
12	M12	N22	N20			Connection Plate	Beam	RECT	A36 Gr.36	Typical
13	M13	N24	N29			Standoff Horizontal	Beam	Tube	A500 Gr. B 46	Typical
14	M14	N26	N25			RIGID	None	None	RIGID	Typical
15	M15	N28	N27		90	Corner Plate	Beam	RECT	A36 Gr.36	Typical
16	M16	N30	N32			Connection Plate	Beam	RECT	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(de...	Section/Shape	Type	Design List	Material	Design Rules
17	M17	N32	N33		90	Crossmember	Beam	Single Angle	A36 Gr.36	Typical
18	M18	N33	N31			Connection Plate	Beam	RECT	A36 Gr.36	Typical
19	M19	N34	N33A		180	Face Horizontal	Beam	Channel	A36 Gr.36	Typical
20	M20	N37	N36		180	Face Horizontal	Beam	Channel	A36 Gr.36	Typical
21	M21	N40	N39		180	Face Horizontal	Beam	Channel	A36 Gr.36	Typical
22	M22	N40A	N39A		180	Mod Support Rail	Beam	Pipe	A53 Gr. B	Typical
23	M28	N52	N54			RIGID	None	None	RIGID	Typical
24	M29	N51	N53			RIGID	None	None	RIGID	Typical
25	MP1A	N55	N56			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
26	M31	N58	N60			RIGID	None	None	RIGID	Typical
27	M32	N57	N59			RIGID	None	None	RIGID	Typical
28	MP2A	N61	N62			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
29	M34	N64	N66			RIGID	None	None	RIGID	Typical
30	M35	N63	N65			RIGID	None	None	RIGID	Typical
31	MP4A	N67	N68			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
32	M37	N70	N72			RIGID	None	None	RIGID	Typical
33	M38	N69	N71			RIGID	None	None	RIGID	Typical
34	MP5A	N73	N74			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
35	M40	N76	N78			RIGID	None	None	RIGID	Typical
36	M41	N75	N77			RIGID	None	None	RIGID	Typical
37	MP3A	N79	N80			Dual Antenna	Column	Pipe	A53 Gr. B	Typical
38	M43	N83	N85			RIGID	None	None	RIGID	Typical
39	M44	N82	N84			RIGID	None	None	RIGID	Typical
40	MP1C	N86	N87			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
41	M46	N89	N91			RIGID	None	None	RIGID	Typical
42	M47	N88	N90			RIGID	None	None	RIGID	Typical
43	MP2C	N92	N93			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
44	M49	N95	N97			RIGID	None	None	RIGID	Typical
45	M50	N94	N96			RIGID	None	None	RIGID	Typical
46	MP4C	N98	N99			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
47	M52	N101	N103			RIGID	None	None	RIGID	Typical
48	M53	N100	N102			RIGID	None	None	RIGID	Typical
49	MP5C	N104	N105			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
50	M55	N107	N109			RIGID	None	None	RIGID	Typical
51	M56	N106	N108			RIGID	None	None	RIGID	Typical
52	MP3C	N110	N111			Dual Antenna	Column	Pipe	A53 Gr. B	Typical
53	M58	N114	N116			RIGID	None	None	RIGID	Typical
54	M59	N113	N115			RIGID	None	None	RIGID	Typical
55	MP1B	N117	N118			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
56	M61	N120	N122			RIGID	None	None	RIGID	Typical
57	M62	N119	N121			RIGID	None	None	RIGID	Typical
58	MP2B	N123	N124			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
59	M64	N126	N128			RIGID	None	None	RIGID	Typical
60	M65	N125	N127			RIGID	None	None	RIGID	Typical
61	MP4B	N129	N130			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
62	M67	N132	N134			RIGID	None	None	RIGID	Typical
63	M68	N131	N133			RIGID	None	None	RIGID	Typical
64	MP5B	N135	N136			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
65	M70	N138	N140			RIGID	None	None	RIGID	Typical
66	M71	N137	N139			RIGID	None	None	RIGID	Typical
67	MP3B	N141	N142			Dual Antenna	Column	Pipe	A53 Gr. B	Typical
68	M73	N141A	N142A			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(de...	Section/Shape	Type	Design List	Material	Design Rules
69	M74	N144	N143			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
70	M70A	N142B	N141B		180	Mod Support Rail	Beam	Pipe	A53 Gr. B	Typical
71	M71A	N144A	N143A		180	Mod Support Rail	Beam	Pipe	A53 Gr. B	Typical
72	M72	N145A	N146A			RIGID	None	None	RIGID	Typical
73	M73A	N147	N148A			RIGID	None	None	RIGID	Typical
74	M74A	N149A	N150			RIGID	None	None	RIGID	Typical
75	M75	N151A	N152A			RIGID	None	None	RIGID	Typical
76	M76	N153	N154			RIGID	None	None	RIGID	Typical
77	M77	N155	N156			RIGID	None	None	RIGID	Typical
78	M78	N146A	N156		90	Mod Support Rail ...	Beam	Single Angle	A36 Gr.36	Typical
79	M79	N154	N152A		90	Mod Support Rail ...	Beam	Single Angle	A36 Gr.36	Typical
80	M80	N150	N148A		90	Mod Support Rail ...	Beam	Single Angle	A36 Gr.36	Typical
81	M81	N158	N157			Mod Kicker	Column	Double Angle ...	A36 Gr.36	Typical
82	M82	N160	N159			Mod Kicker	Column	Double Angle ...	A36 Gr.36	Typical
83	M83	N162	N161			Mod Kicker	Column	Double Angle ...	A36 Gr.36	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M1						Yes				None
2	M2						Yes	** NA **			None
3	M4						Yes				None
4	M7						Yes				None
5	M7A	OOOOOX	OOOOOX				Yes				None
6	M8						Yes				None
7	M7B						Yes				None
8	M8A						Yes	** NA **			None
9	M9						Yes				None
10	M10						Yes				None
11	M11	OOOOOX	OOOOOX				Yes				None
12	M12						Yes	Default			None
13	M13						Yes				None
14	M14						Yes	** NA **			None
15	M15						Yes				None
16	M16						Yes				None
17	M17	OOOOOX	OOOOOX				Yes				None
18	M18						Yes				None
19	M19						Yes				None
20	M20						Yes				None
21	M21						Yes				None
22	M22						Yes				None
23	M28						Yes	** NA **			None
24	M29						Yes	** NA **			None
25	MP1A						Yes	** NA **			None
26	M31						Yes	** NA **			None
27	M32						Yes	** NA **			None
28	MP2A						Yes	** NA **			None
29	M34						Yes	** NA **			None
30	M35						Yes	** NA **			None
31	MP4A						Yes	** NA **			None
32	M37						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...
33	M38						Yes	** NA **			None
34	MP5A						Yes	** NA **			None
35	M40						Yes	** NA **			None
36	M41		OOOXOO				Yes	** NA **			None
37	MP3A						Yes	** NA **			None
38	M43						Yes	** NA **			None
39	M44						Yes	** NA **			None
40	MP1C						Yes	** NA **			None
41	M46						Yes	** NA **			None
42	M47						Yes	** NA **			None
43	MP2C						Yes	** NA **			None
44	M49						Yes	** NA **			None
45	M50						Yes	** NA **			None
46	MP4C						Yes	** NA **			None
47	M52						Yes	** NA **			None
48	M53						Yes	** NA **			None
49	MP5C						Yes	** NA **			None
50	M55						Yes	** NA **			None
51	M56		OOOXOO				Yes	** NA **			None
52	MP3C						Yes	** NA **			None
53	M58						Yes	** NA **			None
54	M59						Yes	** NA **			None
55	MP1B						Yes	** NA **			None
56	M61						Yes	** NA **			None
57	M62						Yes	** NA **			None
58	MP2B						Yes	** NA **			None
59	M64						Yes	** NA **			None
60	M65						Yes	** NA **			None
61	MP4B						Yes	** NA **			None
62	M67						Yes	** NA **			None
63	M68						Yes	** NA **			None
64	MP5B						Yes	** NA **			None
65	M70						Yes	** NA **			None
66	M71		OOOXOO				Yes	** NA **			None
67	MP3B						Yes	** NA **			None
68	M73						Yes	** NA **			None
69	M74						Yes	** NA **			None
70	M70A						Yes				None
71	M71A						Yes				None
72	M72	OOOOOX					Yes	** NA **			None
73	M73A	OOOOOX					Yes	** NA **			None
74	M74A	OOOOOX					Yes	** NA **			None
75	M75	OOOOOX					Yes	** NA **			None
76	M76	OOOOOX					Yes	** NA **			None
77	M77	OOOOOX					Yes	** NA **			None
78	M78						Yes				None
79	M79						Yes				None
80	M80						Yes				None
81	M81	BenPIN	BenPIN				Yes	** NA **			None
82	M82	BenPIN	BenPIN				Yes	** NA **			None
83	M83	BenPIN	BenPIN				Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-31.65	1
2	MP3A	My	-.016	1
3	MP3A	Mz	.021	1
4	MP3A	Y	-31.65	6
5	MP3A	My	-.016	6
6	MP3A	Mz	.021	6
7	MP3B	Y	-31.65	1
8	MP3B	My	-.01	1
9	MP3B	Mz	-.024	1
10	MP3B	Y	-31.65	6
11	MP3B	My	-.01	6
12	MP3B	Mz	-.024	6
13	MP3C	Y	-31.65	1
14	MP3C	My	.026	1
15	MP3C	Mz	.003	1
16	MP3C	Y	-31.65	6
17	MP3C	My	.026	6
18	MP3C	Mz	.003	6
19	MP3A	Y	-31.65	1
20	MP3A	My	-.016	1
21	MP3A	Mz	-.021	1
22	MP3A	Y	-31.65	6
23	MP3A	My	-.016	6
24	MP3A	Mz	-.021	6
25	MP3B	Y	-31.65	1
26	MP3B	My	.026	1
27	MP3B	Mz	-.003	1
28	MP3B	Y	-31.65	6
29	MP3B	My	.026	6
30	MP3B	Mz	-.003	6
31	MP3C	Y	-31.65	1
32	MP3C	My	-.01	1
33	MP3C	Mz	.024	1
34	MP3C	Y	-31.65	6
35	MP3C	My	-.01	6
36	MP3C	Mz	.024	6
37	MP4A	Y	-43.55	2.5
38	MP4A	My	-.022	2.5
39	MP4A	Mz	0	2.5
40	MP4A	Y	-43.55	4.5
41	MP4A	My	-.022	4.5
42	MP4A	Mz	0	4.5
43	MP4B	Y	-43.55	2.5
44	MP4B	My	.011	2.5
45	MP4B	Mz	-.019	2.5
46	MP4B	Y	-43.55	4.5
47	MP4B	My	.011	4.5
48	MP4B	Mz	-.019	4.5
49	MP4C	Y	-43.55	2.5
50	MP4C	My	.011	2.5
51	MP4C	Mz	.019	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP4C	Y	-43.55	4.5
53	MP4C	My	.011	4.5
54	MP4C	Mz	.019	4.5
55	MP3A	Y	-10.4	2.5
56	MP3A	My	.005	2.5
57	MP3A	Mz	0	2.5
58	MP3B	Y	-10.4	2.5
59	MP3B	My	-.003	2.5
60	MP3B	Mz	.005	2.5
61	MP3C	Y	-10.4	2.5
62	MP3C	My	-.003	2.5
63	MP3C	Mz	-.005	2.5
64	M74	Y	-32	1.5
65	M74	My	0	1.5
66	M74	Mz	0	1.5
67	MP2A	Y	-84.4	3.5
68	MP2A	My	.042	3.5
69	MP2A	Mz	0	3.5
70	MP2B	Y	-84.4	3.5
71	MP2B	My	-.021	3.5
72	MP2B	Mz	.037	3.5
73	MP2C	Y	-84.4	3.5
74	MP2C	My	-.021	3.5
75	MP2C	Mz	-.037	3.5
76	MP3A	Y	-70.3	4.25
77	MP3A	My	.035	4.25
78	MP3A	Mz	0	4.25
79	MP3B	Y	-70.3	4.25
80	MP3B	My	-.018	4.25
81	MP3B	Mz	.03	4.25
82	MP3C	Y	-70.3	4.25
83	MP3C	My	-.018	4.25
84	MP3C	Mz	-.03	4.25
85	MP1A	Y	-5	2
86	MP1A	My	-.003	2
87	MP1A	Mz	0	2
88	MP1A	Y	-5	5
89	MP1A	My	-.003	5
90	MP1A	Mz	0	5
91	MP1B	Y	-5	2
92	MP1B	My	.001	2
93	MP1B	Mz	-.002	2
94	MP1B	Y	-5	5
95	MP1B	My	.001	5
96	MP1B	Mz	-.002	5
97	MP1C	Y	-5	2
98	MP1C	My	.001	2
99	MP1C	Mz	.002	2
100	MP1C	Y	-5	5
101	MP1C	My	.001	5
102	MP1C	Mz	.002	5
103	MP5A	Y	-5	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
104	MP5A	My	-.003	2
105	MP5A	Mz	0	2
106	MP5A	Y	-5	5
107	MP5A	My	-.003	5
108	MP5A	Mz	0	5
109	MP5B	Y	-5	2
110	MP5B	My	.001	2
111	MP5B	Mz	-.002	2
112	MP5B	Y	-5	5
113	MP5B	My	.001	5
114	MP5B	Mz	-.002	5
115	MP5C	Y	-5	2
116	MP5C	My	.001	2
117	MP5C	Mz	.002	2
118	MP5C	Y	-5	5
119	MP5C	My	.001	5
120	MP5C	Mz	.002	5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-70.525	1
2	MP3A	My	-.035	1
3	MP3A	Mz	.047	1
4	MP3A	Y	-70.525	6
5	MP3A	My	-.035	6
6	MP3A	Mz	.047	6
7	MP3B	Y	-70.525	1
8	MP3B	My	-.023	1
9	MP3B	Mz	-.054	1
10	MP3B	Y	-70.525	6
11	MP3B	My	-.023	6
12	MP3B	Mz	-.054	6
13	MP3C	Y	-70.525	1
14	MP3C	My	.058	1
15	MP3C	Mz	.007	1
16	MP3C	Y	-70.525	6
17	MP3C	My	.058	6
18	MP3C	Mz	.007	6
19	MP3A	Y	-70.525	1
20	MP3A	My	-.035	1
21	MP3A	Mz	-.047	1
22	MP3A	Y	-70.525	6
23	MP3A	My	-.035	6
24	MP3A	Mz	-.047	6
25	MP3B	Y	-70.525	1
26	MP3B	My	.058	1
27	MP3B	Mz	-.007	1
28	MP3B	Y	-70.525	6
29	MP3B	My	.058	6
30	MP3B	Mz	-.007	6
31	MP3C	Y	-70.525	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP3C	My	-.023	1
33	MP3C	Mz	.054	1
34	MP3C	Y	-70.525	6
35	MP3C	My	-.023	6
36	MP3C	Mz	.054	6
37	MP4A	Y	-35.913	2.5
38	MP4A	My	-.018	2.5
39	MP4A	Mz	0	2.5
40	MP4A	Y	-35.913	4.5
41	MP4A	My	-.018	4.5
42	MP4A	Mz	0	4.5
43	MP4B	Y	-35.913	2.5
44	MP4B	My	.009	2.5
45	MP4B	Mz	-.016	2.5
46	MP4B	Y	-35.913	4.5
47	MP4B	My	.009	4.5
48	MP4B	Mz	-.016	4.5
49	MP4C	Y	-35.913	2.5
50	MP4C	My	.009	2.5
51	MP4C	Mz	.016	2.5
52	MP4C	Y	-35.913	4.5
53	MP4C	My	.009	4.5
54	MP4C	Mz	.016	4.5
55	MP3A	Y	-10.825	2.5
56	MP3A	My	.005	2.5
57	MP3A	Mz	0	2.5
58	MP3B	Y	-10.825	2.5
59	MP3B	My	-.003	2.5
60	MP3B	Mz	.005	2.5
61	MP3C	Y	-10.825	2.5
62	MP3C	My	-.003	2.5
63	MP3C	Mz	-.005	2.5
64	M74	Y	-76.467	1.5
65	M74	My	0	1.5
66	M74	Mz	0	1.5
67	MP2A	Y	-45.214	3.5
68	MP2A	My	.023	3.5
69	MP2A	Mz	0	3.5
70	MP2B	Y	-45.214	3.5
71	MP2B	My	-.011	3.5
72	MP2B	Mz	.02	3.5
73	MP2C	Y	-45.214	3.5
74	MP2C	My	-.011	3.5
75	MP2C	Mz	-.02	3.5
76	MP3A	Y	-40.663	4.25
77	MP3A	My	.02	4.25
78	MP3A	Mz	0	4.25
79	MP3B	Y	-40.663	4.25
80	MP3B	My	-.01	4.25
81	MP3B	Mz	.018	4.25
82	MP3C	Y	-40.663	4.25
83	MP3C	My	-.01	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	MP3C	Mz	-.018	4.25
85	MP1A	Y	-32.505	2
86	MP1A	My	-.016	2
87	MP1A	Mz	0	2
88	MP1A	Y	-32.505	5
89	MP1A	My	-.016	5
90	MP1A	Mz	0	5
91	MP1B	Y	-32.505	2
92	MP1B	My	.008	2
93	MP1B	Mz	-.014	2
94	MP1B	Y	-32.505	5
95	MP1B	My	.008	5
96	MP1B	Mz	-.014	5
97	MP1C	Y	-32.505	2
98	MP1C	My	.008	2
99	MP1C	Mz	.014	2
100	MP1C	Y	-32.505	5
101	MP1C	My	.008	5
102	MP1C	Mz	.014	5
103	MP5A	Y	-32.505	2
104	MP5A	My	-.016	2
105	MP5A	Mz	0	2
106	MP5A	Y	-32.505	5
107	MP5A	My	-.016	5
108	MP5A	Mz	0	5
109	MP5B	Y	-32.505	2
110	MP5B	My	.008	2
111	MP5B	Mz	-.014	2
112	MP5B	Y	-32.505	5
113	MP5B	My	.008	5
114	MP5B	Mz	-.014	5
115	MP5C	Y	-32.505	2
116	MP5C	My	.008	2
117	MP5C	Mz	.014	2
118	MP5C	Y	-32.505	5
119	MP5C	My	.008	5
120	MP5C	Mz	.014	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1
2	MP3A	Z	-188.197	1
3	MP3A	Mx	-.125	1
4	MP3A	X	0	6
5	MP3A	Z	-188.197	6
6	MP3A	Mx	-.125	6
7	MP3B	X	0	1
8	MP3B	Z	-139.753	1
9	MP3B	Mx	.107	1
10	MP3B	X	0	6
11	MP3B	Z	-139.753	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP3B	Mx	.107	6
13	MP3C	X	0	1
14	MP3C	Z	-139.753	1
15	MP3C	Mx	-.014	1
16	MP3C	X	0	6
17	MP3C	Z	-139.753	6
18	MP3C	Mx	-.014	6
19	MP3A	X	0	1
20	MP3A	Z	-188.197	1
21	MP3A	Mx	.125	1
22	MP3A	X	0	6
23	MP3A	Z	-188.197	6
24	MP3A	Mx	.125	6
25	MP3B	X	0	1
26	MP3B	Z	-139.753	1
27	MP3B	Mx	.014	1
28	MP3B	X	0	6
29	MP3B	Z	-139.753	6
30	MP3B	Mx	.014	6
31	MP3C	X	0	1
32	MP3C	Z	-139.753	1
33	MP3C	Mx	-.107	1
34	MP3C	X	0	6
35	MP3C	Z	-139.753	6
36	MP3C	Mx	-.107	6
37	MP4A	X	0	2.5
38	MP4A	Z	-97.094	2.5
39	MP4A	Mx	0	2.5
40	MP4A	X	0	4.5
41	MP4A	Z	-97.094	4.5
42	MP4A	Mx	0	4.5
43	MP4B	X	0	2.5
44	MP4B	Z	-52.783	2.5
45	MP4B	Mx	.023	2.5
46	MP4B	X	0	4.5
47	MP4B	Z	-52.783	4.5
48	MP4B	Mx	.023	4.5
49	MP4C	X	0	2.5
50	MP4C	Z	-52.783	2.5
51	MP4C	Mx	-.023	2.5
52	MP4C	X	0	4.5
53	MP4C	Z	-52.783	4.5
54	MP4C	Mx	-.023	4.5
55	MP3A	X	0	2.5
56	MP3A	Z	-15.244	2.5
57	MP3A	Mx	0	2.5
58	MP3B	X	0	2.5
59	MP3B	Z	-11.721	2.5
60	MP3B	Mx	-.005	2.5
61	MP3C	X	0	2.5
62	MP3C	Z	-11.721	2.5
63	MP3C	Mx	.005	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	M74	X	0	1.5
65	M74	Z	-142.948	1.5
66	M74	Mx	0	1.5
67	MP2A	X	0	3.5
68	MP2A	Z	-77.043	3.5
69	MP2A	Mx	0	3.5
70	MP2B	X	0	3.5
71	MP2B	Z	-57.885	3.5
72	MP2B	Mx	-.025	3.5
73	MP2C	X	0	3.5
74	MP2C	Z	-57.885	3.5
75	MP2C	Mx	.025	3.5
76	MP3A	X	0	4.25
77	MP3A	Z	-77.043	4.25
78	MP3A	Mx	0	4.25
79	MP3B	X	0	4.25
80	MP3B	Z	-50.546	4.25
81	MP3B	Mx	-.022	4.25
82	MP3C	X	0	4.25
83	MP3C	Z	-50.546	4.25
84	MP3C	Mx	.022	4.25
85	MP1A	X	0	2
86	MP1A	Z	-58.915	2
87	MP1A	Mx	0	2
88	MP1A	X	0	5
89	MP1A	Z	-58.915	5
90	MP1A	Mx	0	5
91	MP1B	X	0	2
92	MP1B	Z	-73.38	2
93	MP1B	Mx	.032	2
94	MP1B	X	0	5
95	MP1B	Z	-73.38	5
96	MP1B	Mx	.032	5
97	MP1C	X	0	2
98	MP1C	Z	-73.38	2
99	MP1C	Mx	-.032	2
100	MP1C	X	0	5
101	MP1C	Z	-73.38	5
102	MP1C	Mx	-.032	5
103	MP5A	X	0	2
104	MP5A	Z	-58.915	2
105	MP5A	Mx	0	2
106	MP5A	X	0	5
107	MP5A	Z	-58.915	5
108	MP5A	Mx	0	5
109	MP5B	X	0	2
110	MP5B	Z	-73.38	2
111	MP5B	Mx	.032	2
112	MP5B	X	0	5
113	MP5B	Z	-73.38	5
114	MP5B	Mx	.032	5
115	MP5C	X	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
116	MP5C	Z	-73.38	2
117	MP5C	Mx	-.032	2
118	MP5C	X	0	5
119	MP5C	Z	-73.38	5
120	MP5C	Mx	-.032	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	86.025	1
2	MP3A	Z	-148.999	1
3	MP3A	Mx	-.142	1
4	MP3A	X	86.025	6
5	MP3A	Z	-148.999	6
6	MP3A	Mx	-.142	6
7	MP3B	X	61.803	1
8	MP3B	Z	-107.046	1
9	MP3B	Mx	.062	1
10	MP3B	X	61.803	6
11	MP3B	Z	-107.046	6
12	MP3B	Mx	.062	6
13	MP3C	X	86.025	1
14	MP3C	Z	-148.999	1
15	MP3C	Mx	.056	1
16	MP3C	X	86.025	6
17	MP3C	Z	-148.999	6
18	MP3C	Mx	.056	6
19	MP3A	X	86.025	1
20	MP3A	Z	-148.999	1
21	MP3A	Mx	.056	1
22	MP3A	X	86.025	6
23	MP3A	Z	-148.999	6
24	MP3A	Mx	.056	6
25	MP3B	X	61.803	1
26	MP3B	Z	-107.046	1
27	MP3B	Mx	.062	1
28	MP3B	X	61.803	6
29	MP3B	Z	-107.046	6
30	MP3B	Mx	.062	6
31	MP3C	X	86.025	1
32	MP3C	Z	-148.999	1
33	MP3C	Mx	-.142	1
34	MP3C	X	86.025	6
35	MP3C	Z	-148.999	6
36	MP3C	Mx	-.142	6
37	MP4A	X	41.162	2.5
38	MP4A	Z	-71.294	2.5
39	MP4A	Mx	-.021	2.5
40	MP4A	X	41.162	4.5
41	MP4A	Z	-71.294	4.5
42	MP4A	Mx	-.021	4.5
43	MP4B	X	19.006	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP4B	Z	-32.919	2.5
45	MP4B	Mx	.019	2.5
46	MP4B	X	19.006	4.5
47	MP4B	Z	-32.919	4.5
48	MP4B	Mx	.019	4.5
49	MP4C	X	41.162	2.5
50	MP4C	Z	-71.294	2.5
51	MP4C	Mx	-.021	2.5
52	MP4C	X	41.162	4.5
53	MP4C	Z	-71.294	4.5
54	MP4C	Mx	-.021	4.5
55	MP3A	X	7.035	2.5
56	MP3A	Z	-12.185	2.5
57	MP3A	Mx	.004	2.5
58	MP3B	X	5.274	2.5
59	MP3B	Z	-9.134	2.5
60	MP3B	Mx	-.005	2.5
61	MP3C	X	7.035	2.5
62	MP3C	Z	-12.185	2.5
63	MP3C	Mx	.004	2.5
64	M74	X	58.277	1.5
65	M74	Z	-100.938	1.5
66	M74	Mx	0	1.5
67	MP2A	X	35.328	3.5
68	MP2A	Z	-61.19	3.5
69	MP2A	Mx	.018	3.5
70	MP2B	X	25.75	3.5
71	MP2B	Z	-44.599	3.5
72	MP2B	Mx	-.026	3.5
73	MP2C	X	35.328	3.5
74	MP2C	Z	-61.19	3.5
75	MP2C	Mx	.018	3.5
76	MP3A	X	34.105	4.25
77	MP3A	Z	-59.072	4.25
78	MP3A	Mx	.017	4.25
79	MP3B	X	20.857	4.25
80	MP3B	Z	-36.126	4.25
81	MP3B	Mx	-.021	4.25
82	MP3C	X	34.105	4.25
83	MP3C	Z	-59.072	4.25
84	MP3C	Mx	.017	4.25
85	MP1A	X	31.868	2
86	MP1A	Z	-55.198	2
87	MP1A	Mx	-.016	2
88	MP1A	X	31.868	5
89	MP1A	Z	-55.198	5
90	MP1A	Mx	-.016	5
91	MP1B	X	39.101	2
92	MP1B	Z	-67.725	2
93	MP1B	Mx	.039	2
94	MP1B	X	39.101	5
95	MP1B	Z	-67.725	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
96	MP1B	Mx	.039	5
97	MP1C	X	31.868	2
98	MP1C	Z	-55.198	2
99	MP1C	Mx	-.016	2
100	MP1C	X	31.868	5
101	MP1C	Z	-55.198	5
102	MP1C	Mx	-.016	5
103	MP5A	X	31.868	2
104	MP5A	Z	-55.198	2
105	MP5A	Mx	-.016	2
106	MP5A	X	31.868	5
107	MP5A	Z	-55.198	5
108	MP5A	Mx	-.016	5
109	MP5B	X	39.101	2
110	MP5B	Z	-67.725	2
111	MP5B	Mx	.039	2
112	MP5B	X	39.101	5
113	MP5B	Z	-67.725	5
114	MP5B	Mx	.039	5
115	MP5C	X	31.868	2
116	MP5C	Z	-55.198	2
117	MP5C	Mx	-.016	2
118	MP5C	X	31.868	5
119	MP5C	Z	-55.198	5
120	MP5C	Mx	-.016	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	121.03	1
2	MP3A	Z	-69.877	1
3	MP3A	Mx	-.107	1
4	MP3A	X	121.03	6
5	MP3A	Z	-69.877	6
6	MP3A	Mx	-.107	6
7	MP3B	X	121.03	1
8	MP3B	Z	-69.877	1
9	MP3B	Mx	.014	1
10	MP3B	X	121.03	6
11	MP3B	Z	-69.877	6
12	MP3B	Mx	.014	6
13	MP3C	X	162.984	1
14	MP3C	Z	-94.099	1
15	MP3C	Mx	.125	1
16	MP3C	X	162.984	6
17	MP3C	Z	-94.099	6
18	MP3C	Mx	.125	6
19	MP3A	X	121.03	1
20	MP3A	Z	-69.877	1
21	MP3A	Mx	-.014	1
22	MP3A	X	121.03	6
23	MP3A	Z	-69.877	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP3A	Mx	-.014	6
25	MP3B	X	121.03	1
26	MP3B	Z	-69.877	1
27	MP3B	Mx	.107	1
28	MP3B	X	121.03	6
29	MP3B	Z	-69.877	6
30	MP3B	Mx	.107	6
31	MP3C	X	162.984	1
32	MP3C	Z	-94.099	1
33	MP3C	Mx	-.125	1
34	MP3C	X	162.984	6
35	MP3C	Z	-94.099	6
36	MP3C	Mx	-.125	6
37	MP4A	X	45.711	2.5
38	MP4A	Z	-26.391	2.5
39	MP4A	Mx	-.023	2.5
40	MP4A	X	45.711	4.5
41	MP4A	Z	-26.391	4.5
42	MP4A	Mx	-.023	4.5
43	MP4B	X	45.711	2.5
44	MP4B	Z	-26.391	2.5
45	MP4B	Mx	.023	2.5
46	MP4B	X	45.711	4.5
47	MP4B	Z	-26.391	4.5
48	MP4B	Mx	.023	4.5
49	MP4C	X	84.086	2.5
50	MP4C	Z	-48.547	2.5
51	MP4C	Mx	0	2.5
52	MP4C	X	84.086	4.5
53	MP4C	Z	-48.547	4.5
54	MP4C	Mx	0	4.5
55	MP3A	X	10.151	2.5
56	MP3A	Z	-5.861	2.5
57	MP3A	Mx	.005	2.5
58	MP3B	X	10.151	2.5
59	MP3B	Z	-5.861	2.5
60	MP3B	Mx	-.005	2.5
61	MP3C	X	13.201	2.5
62	MP3C	Z	-7.622	2.5
63	MP3C	Mx	0	2.5
64	M74	X	89.509	1.5
65	M74	Z	-51.678	1.5
66	M74	Mx	0	1.5
67	MP2A	X	50.13	3.5
68	MP2A	Z	-28.942	3.5
69	MP2A	Mx	.025	3.5
70	MP2B	X	50.13	3.5
71	MP2B	Z	-28.942	3.5
72	MP2B	Mx	-.025	3.5
73	MP2C	X	66.721	3.5
74	MP2C	Z	-38.521	3.5
75	MP2C	Mx	0	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
76	MP3A	X	43.774	4.25
77	MP3A	Z	-25.273	4.25
78	MP3A	Mx	.022	4.25
79	MP3B	X	43.774	4.25
80	MP3B	Z	-25.273	4.25
81	MP3B	Mx	-.022	4.25
82	MP3C	X	66.721	4.25
83	MP3C	Z	-38.521	4.25
84	MP3C	Mx	0	4.25
85	MP1A	X	63.549	2
86	MP1A	Z	-36.69	2
87	MP1A	Mx	-.032	2
88	MP1A	X	63.549	5
89	MP1A	Z	-36.69	5
90	MP1A	Mx	-.032	5
91	MP1B	X	63.549	2
92	MP1B	Z	-36.69	2
93	MP1B	Mx	.032	2
94	MP1B	X	63.549	5
95	MP1B	Z	-36.69	5
96	MP1B	Mx	.032	5
97	MP1C	X	51.022	2
98	MP1C	Z	-29.457	2
99	MP1C	Mx	0	2
100	MP1C	X	51.022	5
101	MP1C	Z	-29.457	5
102	MP1C	Mx	0	5
103	MP5A	X	63.549	2
104	MP5A	Z	-36.69	2
105	MP5A	Mx	-.032	2
106	MP5A	X	63.549	5
107	MP5A	Z	-36.69	5
108	MP5A	Mx	-.032	5
109	MP5B	X	63.549	2
110	MP5B	Z	-36.69	2
111	MP5B	Mx	.032	2
112	MP5B	X	63.549	5
113	MP5B	Z	-36.69	5
114	MP5B	Mx	.032	5
115	MP5C	X	51.022	2
116	MP5C	Z	-29.457	2
117	MP5C	Mx	0	2
118	MP5C	X	51.022	5
119	MP5C	Z	-29.457	5
120	MP5C	Mx	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	123.606	1
2	MP3A	Z	0	1
3	MP3A	Mx	-.062	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP3A	X	123.606	6
5	MP3A	Z	0	6
6	MP3A	Mx	-.062	6
7	MP3B	X	172.049	1
8	MP3B	Z	0	1
9	MP3B	Mx	-.056	1
10	MP3B	X	172.049	6
11	MP3B	Z	0	6
12	MP3B	Mx	-.056	6
13	MP3C	X	172.049	1
14	MP3C	Z	0	1
15	MP3C	Mx	.142	1
16	MP3C	X	172.049	6
17	MP3C	Z	0	6
18	MP3C	Mx	.142	6
19	MP3A	X	123.606	1
20	MP3A	Z	0	1
21	MP3A	Mx	-.062	1
22	MP3A	X	123.606	6
23	MP3A	Z	0	6
24	MP3A	Mx	-.062	6
25	MP3B	X	172.049	1
26	MP3B	Z	0	1
27	MP3B	Mx	.142	1
28	MP3B	X	172.049	6
29	MP3B	Z	0	6
30	MP3B	Mx	.142	6
31	MP3C	X	172.049	1
32	MP3C	Z	0	1
33	MP3C	Mx	-.056	1
34	MP3C	X	172.049	6
35	MP3C	Z	0	6
36	MP3C	Mx	-.056	6
37	MP4A	X	38.012	2.5
38	MP4A	Z	0	2.5
39	MP4A	Mx	-.019	2.5
40	MP4A	X	38.012	4.5
41	MP4A	Z	0	4.5
42	MP4A	Mx	-.019	4.5
43	MP4B	X	82.324	2.5
44	MP4B	Z	0	2.5
45	MP4B	Mx	.021	2.5
46	MP4B	X	82.324	4.5
47	MP4B	Z	0	4.5
48	MP4B	Mx	.021	4.5
49	MP4C	X	82.324	2.5
50	MP4C	Z	0	2.5
51	MP4C	Mx	.021	2.5
52	MP4C	X	82.324	4.5
53	MP4C	Z	0	4.5
54	MP4C	Mx	.021	4.5
55	MP3A	X	10.547	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
56	MP3A	Z	0	2.5
57	MP3A	Mx	.005	2.5
58	MP3B	X	14.07	2.5
59	MP3B	Z	0	2.5
60	MP3B	Mx	-.004	2.5
61	MP3C	X	14.07	2.5
62	MP3C	Z	0	2.5
63	MP3C	Mx	-.004	2.5
64	M74	X	116.553	1.5
65	M74	Z	0	1.5
66	M74	Mx	0	1.5
67	MP2A	X	51.499	3.5
68	MP2A	Z	0	3.5
69	MP2A	Mx	.026	3.5
70	MP2B	X	70.657	3.5
71	MP2B	Z	0	3.5
72	MP2B	Mx	-.018	3.5
73	MP2C	X	70.657	3.5
74	MP2C	Z	0	3.5
75	MP2C	Mx	-.018	3.5
76	MP3A	X	41.714	4.25
77	MP3A	Z	0	4.25
78	MP3A	Mx	.021	4.25
79	MP3B	X	68.21	4.25
80	MP3B	Z	0	4.25
81	MP3B	Mx	-.017	4.25
82	MP3C	X	68.21	4.25
83	MP3C	Z	0	4.25
84	MP3C	Mx	-.017	4.25
85	MP1A	X	78.202	2
86	MP1A	Z	0	2
87	MP1A	Mx	-.039	2
88	MP1A	X	78.202	5
89	MP1A	Z	0	5
90	MP1A	Mx	-.039	5
91	MP1B	X	63.737	2
92	MP1B	Z	0	2
93	MP1B	Mx	.016	2
94	MP1B	X	63.737	5
95	MP1B	Z	0	5
96	MP1B	Mx	.016	5
97	MP1C	X	63.737	2
98	MP1C	Z	0	2
99	MP1C	Mx	.016	2
100	MP1C	X	63.737	5
101	MP1C	Z	0	5
102	MP1C	Mx	.016	5
103	MP5A	X	78.202	2
104	MP5A	Z	0	2
105	MP5A	Mx	-.039	2
106	MP5A	X	78.202	5
107	MP5A	Z	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
108	MP5A	Mx	-.039	5
109	MP5B	X	63.737	2
110	MP5B	Z	0	2
111	MP5B	Mx	.016	2
112	MP5B	X	63.737	5
113	MP5B	Z	0	5
114	MP5B	Mx	.016	5
115	MP5C	X	63.737	2
116	MP5C	Z	0	2
117	MP5C	Mx	.016	2
118	MP5C	X	63.737	5
119	MP5C	Z	0	5
120	MP5C	Mx	.016	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	121.03	1
2	MP3A	Z	69.877	1
3	MP3A	Mx	-.014	1
4	MP3A	X	121.03	6
5	MP3A	Z	69.877	6
6	MP3A	Mx	-.014	6
7	MP3B	X	162.984	1
8	MP3B	Z	94.099	1
9	MP3B	Mx	-.125	1
10	MP3B	X	162.984	6
11	MP3B	Z	94.099	6
12	MP3B	Mx	-.125	6
13	MP3C	X	121.03	1
14	MP3C	Z	69.877	1
15	MP3C	Mx	.107	1
16	MP3C	X	121.03	6
17	MP3C	Z	69.877	6
18	MP3C	Mx	.107	6
19	MP3A	X	121.03	1
20	MP3A	Z	69.877	1
21	MP3A	Mx	-.107	1
22	MP3A	X	121.03	6
23	MP3A	Z	69.877	6
24	MP3A	Mx	-.107	6
25	MP3B	X	162.984	1
26	MP3B	Z	94.099	1
27	MP3B	Mx	.125	1
28	MP3B	X	162.984	6
29	MP3B	Z	94.099	6
30	MP3B	Mx	.125	6
31	MP3C	X	121.03	1
32	MP3C	Z	69.877	1
33	MP3C	Mx	.014	1
34	MP3C	X	121.03	6
35	MP3C	Z	69.877	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP3C	Mx	.014	6
37	MP4A	X	45.711	2.5
38	MP4A	Z	26.391	2.5
39	MP4A	Mx	-.023	2.5
40	MP4A	X	45.711	4.5
41	MP4A	Z	26.391	4.5
42	MP4A	Mx	-.023	4.5
43	MP4B	X	84.086	2.5
44	MP4B	Z	48.547	2.5
45	MP4B	Mx	0	2.5
46	MP4B	X	84.086	4.5
47	MP4B	Z	48.547	4.5
48	MP4B	Mx	0	4.5
49	MP4C	X	45.711	2.5
50	MP4C	Z	26.391	2.5
51	MP4C	Mx	.023	2.5
52	MP4C	X	45.711	4.5
53	MP4C	Z	26.391	4.5
54	MP4C	Mx	.023	4.5
55	MP3A	X	10.151	2.5
56	MP3A	Z	5.861	2.5
57	MP3A	Mx	.005	2.5
58	MP3B	X	13.201	2.5
59	MP3B	Z	7.622	2.5
60	MP3B	Mx	0	2.5
61	MP3C	X	10.151	2.5
62	MP3C	Z	5.861	2.5
63	MP3C	Mx	-.005	2.5
64	M74	X	123.796	1.5
65	M74	Z	71.474	1.5
66	M74	Mx	0	1.5
67	MP2A	X	50.13	3.5
68	MP2A	Z	28.942	3.5
69	MP2A	Mx	.025	3.5
70	MP2B	X	66.721	3.5
71	MP2B	Z	38.521	3.5
72	MP2B	Mx	0	3.5
73	MP2C	X	50.13	3.5
74	MP2C	Z	28.942	3.5
75	MP2C	Mx	-.025	3.5
76	MP3A	X	43.774	4.25
77	MP3A	Z	25.273	4.25
78	MP3A	Mx	.022	4.25
79	MP3B	X	66.721	4.25
80	MP3B	Z	38.521	4.25
81	MP3B	Mx	0	4.25
82	MP3C	X	43.774	4.25
83	MP3C	Z	25.273	4.25
84	MP3C	Mx	-.022	4.25
85	MP1A	X	63.549	2
86	MP1A	Z	36.69	2
87	MP1A	Mx	-.032	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP1A	X	63.549	5
89	MP1A	Z	36.69	5
90	MP1A	Mx	-.032	5
91	MP1B	X	51.022	2
92	MP1B	Z	29.457	2
93	MP1B	Mx	0	2
94	MP1B	X	51.022	5
95	MP1B	Z	29.457	5
96	MP1B	Mx	0	5
97	MP1C	X	63.549	2
98	MP1C	Z	36.69	2
99	MP1C	Mx	.032	2
100	MP1C	X	63.549	5
101	MP1C	Z	36.69	5
102	MP1C	Mx	.032	5
103	MP5A	X	63.549	2
104	MP5A	Z	36.69	2
105	MP5A	Mx	-.032	2
106	MP5A	X	63.549	5
107	MP5A	Z	36.69	5
108	MP5A	Mx	-.032	5
109	MP5B	X	51.022	2
110	MP5B	Z	29.457	2
111	MP5B	Mx	0	2
112	MP5B	X	51.022	5
113	MP5B	Z	29.457	5
114	MP5B	Mx	0	5
115	MP5C	X	63.549	2
116	MP5C	Z	36.69	2
117	MP5C	Mx	.032	2
118	MP5C	X	63.549	5
119	MP5C	Z	36.69	5
120	MP5C	Mx	.032	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	86.025	1
2	MP3A	Z	148.999	1
3	MP3A	Mx	.056	1
4	MP3A	X	86.025	6
5	MP3A	Z	148.999	6
6	MP3A	Mx	.056	6
7	MP3B	X	86.025	1
8	MP3B	Z	148.999	1
9	MP3B	Mx	-.142	1
10	MP3B	X	86.025	6
11	MP3B	Z	148.999	6
12	MP3B	Mx	-.142	6
13	MP3C	X	61.803	1
14	MP3C	Z	107.046	1
15	MP3C	Mx	.062	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP3C	X	61.803	6
17	MP3C	Z	107.046	6
18	MP3C	Mx	.062	6
19	MP3A	X	86.025	1
20	MP3A	Z	148.999	1
21	MP3A	Mx	-.142	1
22	MP3A	X	86.025	6
23	MP3A	Z	148.999	6
24	MP3A	Mx	-.142	6
25	MP3B	X	86.025	1
26	MP3B	Z	148.999	1
27	MP3B	Mx	.056	1
28	MP3B	X	86.025	6
29	MP3B	Z	148.999	6
30	MP3B	Mx	.056	6
31	MP3C	X	61.803	1
32	MP3C	Z	107.046	1
33	MP3C	Mx	.062	1
34	MP3C	X	61.803	6
35	MP3C	Z	107.046	6
36	MP3C	Mx	.062	6
37	MP4A	X	41.162	2.5
38	MP4A	Z	71.294	2.5
39	MP4A	Mx	-.021	2.5
40	MP4A	X	41.162	4.5
41	MP4A	Z	71.294	4.5
42	MP4A	Mx	-.021	4.5
43	MP4B	X	41.162	2.5
44	MP4B	Z	71.294	2.5
45	MP4B	Mx	-.021	2.5
46	MP4B	X	41.162	4.5
47	MP4B	Z	71.294	4.5
48	MP4B	Mx	-.021	4.5
49	MP4C	X	19.006	2.5
50	MP4C	Z	32.919	2.5
51	MP4C	Mx	.019	2.5
52	MP4C	X	19.006	4.5
53	MP4C	Z	32.919	4.5
54	MP4C	Mx	.019	4.5
55	MP3A	X	7.035	2.5
56	MP3A	Z	12.185	2.5
57	MP3A	Mx	.004	2.5
58	MP3B	X	7.035	2.5
59	MP3B	Z	12.185	2.5
60	MP3B	Mx	.004	2.5
61	MP3C	X	5.274	2.5
62	MP3C	Z	9.134	2.5
63	MP3C	Mx	-.005	2.5
64	M74	X	78.073	1.5
65	M74	Z	135.226	1.5
66	M74	Mx	0	1.5
67	MP2A	X	35.328	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP2A	Z	61.19	3.5
69	MP2A	Mx	.018	3.5
70	MP2B	X	35.328	3.5
71	MP2B	Z	61.19	3.5
72	MP2B	Mx	.018	3.5
73	MP2C	X	25.75	3.5
74	MP2C	Z	44.599	3.5
75	MP2C	Mx	-.026	3.5
76	MP3A	X	34.105	4.25
77	MP3A	Z	59.072	4.25
78	MP3A	Mx	.017	4.25
79	MP3B	X	34.105	4.25
80	MP3B	Z	59.072	4.25
81	MP3B	Mx	.017	4.25
82	MP3C	X	20.857	4.25
83	MP3C	Z	36.126	4.25
84	MP3C	Mx	-.021	4.25
85	MP1A	X	31.868	2
86	MP1A	Z	55.198	2
87	MP1A	Mx	-.016	2
88	MP1A	X	31.868	5
89	MP1A	Z	55.198	5
90	MP1A	Mx	-.016	5
91	MP1B	X	31.868	2
92	MP1B	Z	55.198	2
93	MP1B	Mx	-.016	2
94	MP1B	X	31.868	5
95	MP1B	Z	55.198	5
96	MP1B	Mx	-.016	5
97	MP1C	X	39.101	2
98	MP1C	Z	67.725	2
99	MP1C	Mx	.039	2
100	MP1C	X	39.101	5
101	MP1C	Z	67.725	5
102	MP1C	Mx	.039	5
103	MP5A	X	31.868	2
104	MP5A	Z	55.198	2
105	MP5A	Mx	-.016	2
106	MP5A	X	31.868	5
107	MP5A	Z	55.198	5
108	MP5A	Mx	-.016	5
109	MP5B	X	31.868	2
110	MP5B	Z	55.198	2
111	MP5B	Mx	-.016	2
112	MP5B	X	31.868	5
113	MP5B	Z	55.198	5
114	MP5B	Mx	-.016	5
115	MP5C	X	39.101	2
116	MP5C	Z	67.725	2
117	MP5C	Mx	.039	2
118	MP5C	X	39.101	5
119	MP5C	Z	67.725	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
120	MP5C	Mx	.039	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1
2	MP3A	Z	188.197	1
3	MP3A	Mx	.125	1
4	MP3A	X	0	6
5	MP3A	Z	188.197	6
6	MP3A	Mx	.125	6
7	MP3B	X	0	1
8	MP3B	Z	139.753	1
9	MP3B	Mx	-.107	1
10	MP3B	X	0	6
11	MP3B	Z	139.753	6
12	MP3B	Mx	-.107	6
13	MP3C	X	0	1
14	MP3C	Z	139.753	1
15	MP3C	Mx	.014	1
16	MP3C	X	0	6
17	MP3C	Z	139.753	6
18	MP3C	Mx	.014	6
19	MP3A	X	0	1
20	MP3A	Z	188.197	1
21	MP3A	Mx	-.125	1
22	MP3A	X	0	6
23	MP3A	Z	188.197	6
24	MP3A	Mx	-.125	6
25	MP3B	X	0	1
26	MP3B	Z	139.753	1
27	MP3B	Mx	-.014	1
28	MP3B	X	0	6
29	MP3B	Z	139.753	6
30	MP3B	Mx	-.014	6
31	MP3C	X	0	1
32	MP3C	Z	139.753	1
33	MP3C	Mx	.107	1
34	MP3C	X	0	6
35	MP3C	Z	139.753	6
36	MP3C	Mx	.107	6
37	MP4A	X	0	2.5
38	MP4A	Z	97.094	2.5
39	MP4A	Mx	0	2.5
40	MP4A	X	0	4.5
41	MP4A	Z	97.094	4.5
42	MP4A	Mx	0	4.5
43	MP4B	X	0	2.5
44	MP4B	Z	52.783	2.5
45	MP4B	Mx	-.023	2.5
46	MP4B	X	0	4.5
47	MP4B	Z	52.783	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP4B	Mx	-.023	4.5
49	MP4C	X	0	2.5
50	MP4C	Z	52.783	2.5
51	MP4C	Mx	.023	2.5
52	MP4C	X	0	4.5
53	MP4C	Z	52.783	4.5
54	MP4C	Mx	.023	4.5
55	MP3A	X	0	2.5
56	MP3A	Z	15.244	2.5
57	MP3A	Mx	0	2.5
58	MP3B	X	0	2.5
59	MP3B	Z	11.721	2.5
60	MP3B	Mx	.005	2.5
61	MP3C	X	0	2.5
62	MP3C	Z	11.721	2.5
63	MP3C	Mx	-.005	2.5
64	M74	X	0	1.5
65	M74	Z	142.948	1.5
66	M74	Mx	0	1.5
67	MP2A	X	0	3.5
68	MP2A	Z	77.043	3.5
69	MP2A	Mx	0	3.5
70	MP2B	X	0	3.5
71	MP2B	Z	57.885	3.5
72	MP2B	Mx	.025	3.5
73	MP2C	X	0	3.5
74	MP2C	Z	57.885	3.5
75	MP2C	Mx	-.025	3.5
76	MP3A	X	0	4.25
77	MP3A	Z	77.043	4.25
78	MP3A	Mx	0	4.25
79	MP3B	X	0	4.25
80	MP3B	Z	50.546	4.25
81	MP3B	Mx	.022	4.25
82	MP3C	X	0	4.25
83	MP3C	Z	50.546	4.25
84	MP3C	Mx	-.022	4.25
85	MP1A	X	0	2
86	MP1A	Z	58.915	2
87	MP1A	Mx	0	2
88	MP1A	X	0	5
89	MP1A	Z	58.915	5
90	MP1A	Mx	0	5
91	MP1B	X	0	2
92	MP1B	Z	73.38	2
93	MP1B	Mx	-.032	2
94	MP1B	X	0	5
95	MP1B	Z	73.38	5
96	MP1B	Mx	-.032	5
97	MP1C	X	0	2
98	MP1C	Z	73.38	2
99	MP1C	Mx	.032	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
100	MP1C	X	0	5
101	MP1C	Z	73.38	5
102	MP1C	Mx	.032	5
103	MP5A	X	0	2
104	MP5A	Z	58.915	2
105	MP5A	Mx	0	2
106	MP5A	X	0	5
107	MP5A	Z	58.915	5
108	MP5A	Mx	0	5
109	MP5B	X	0	2
110	MP5B	Z	73.38	2
111	MP5B	Mx	-.032	2
112	MP5B	X	0	5
113	MP5B	Z	73.38	5
114	MP5B	Mx	-.032	5
115	MP5C	X	0	2
116	MP5C	Z	73.38	2
117	MP5C	Mx	.032	2
118	MP5C	X	0	5
119	MP5C	Z	73.38	5
120	MP5C	Mx	.032	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-86.025	1
2	MP3A	Z	148.999	1
3	MP3A	Mx	.142	1
4	MP3A	X	-86.025	6
5	MP3A	Z	148.999	6
6	MP3A	Mx	.142	6
7	MP3B	X	-61.803	1
8	MP3B	Z	107.046	1
9	MP3B	Mx	-.062	1
10	MP3B	X	-61.803	6
11	MP3B	Z	107.046	6
12	MP3B	Mx	-.062	6
13	MP3C	X	-86.025	1
14	MP3C	Z	148.999	1
15	MP3C	Mx	-.056	1
16	MP3C	X	-86.025	6
17	MP3C	Z	148.999	6
18	MP3C	Mx	-.056	6
19	MP3A	X	-86.025	1
20	MP3A	Z	148.999	1
21	MP3A	Mx	-.056	1
22	MP3A	X	-86.025	6
23	MP3A	Z	148.999	6
24	MP3A	Mx	-.056	6
25	MP3B	X	-61.803	1
26	MP3B	Z	107.046	1
27	MP3B	Mx	-.062	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP3B	X	-61.803	6
29	MP3B	Z	107.046	6
30	MP3B	Mx	-.062	6
31	MP3C	X	-86.025	1
32	MP3C	Z	148.999	1
33	MP3C	Mx	.142	1
34	MP3C	X	-86.025	6
35	MP3C	Z	148.999	6
36	MP3C	Mx	.142	6
37	MP4A	X	-41.162	2.5
38	MP4A	Z	71.294	2.5
39	MP4A	Mx	.021	2.5
40	MP4A	X	-41.162	4.5
41	MP4A	Z	71.294	4.5
42	MP4A	Mx	.021	4.5
43	MP4B	X	-19.006	2.5
44	MP4B	Z	32.919	2.5
45	MP4B	Mx	-.019	2.5
46	MP4B	X	-19.006	4.5
47	MP4B	Z	32.919	4.5
48	MP4B	Mx	-.019	4.5
49	MP4C	X	-41.162	2.5
50	MP4C	Z	71.294	2.5
51	MP4C	Mx	.021	2.5
52	MP4C	X	-41.162	4.5
53	MP4C	Z	71.294	4.5
54	MP4C	Mx	.021	4.5
55	MP3A	X	-7.035	2.5
56	MP3A	Z	12.185	2.5
57	MP3A	Mx	-.004	2.5
58	MP3B	X	-5.274	2.5
59	MP3B	Z	9.134	2.5
60	MP3B	Mx	.005	2.5
61	MP3C	X	-7.035	2.5
62	MP3C	Z	12.185	2.5
63	MP3C	Mx	-.004	2.5
64	M74	X	-58.277	1.5
65	M74	Z	100.938	1.5
66	M74	Mx	0	1.5
67	MP2A	X	-35.328	3.5
68	MP2A	Z	61.19	3.5
69	MP2A	Mx	-.018	3.5
70	MP2B	X	-25.75	3.5
71	MP2B	Z	44.599	3.5
72	MP2B	Mx	.026	3.5
73	MP2C	X	-35.328	3.5
74	MP2C	Z	61.19	3.5
75	MP2C	Mx	-.018	3.5
76	MP3A	X	-34.105	4.25
77	MP3A	Z	59.072	4.25
78	MP3A	Mx	-.017	4.25
79	MP3B	X	-20.857	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP3B	Z	36.126	4.25
81	MP3B	Mx	.021	4.25
82	MP3C	X	-34.105	4.25
83	MP3C	Z	59.072	4.25
84	MP3C	Mx	-.017	4.25
85	MP1A	X	-31.868	2
86	MP1A	Z	55.198	2
87	MP1A	Mx	.016	2
88	MP1A	X	-31.868	5
89	MP1A	Z	55.198	5
90	MP1A	Mx	.016	5
91	MP1B	X	-39.101	2
92	MP1B	Z	67.725	2
93	MP1B	Mx	-.039	2
94	MP1B	X	-39.101	5
95	MP1B	Z	67.725	5
96	MP1B	Mx	-.039	5
97	MP1C	X	-31.868	2
98	MP1C	Z	55.198	2
99	MP1C	Mx	.016	2
100	MP1C	X	-31.868	5
101	MP1C	Z	55.198	5
102	MP1C	Mx	.016	5
103	MP5A	X	-31.868	2
104	MP5A	Z	55.198	2
105	MP5A	Mx	.016	2
106	MP5A	X	-31.868	5
107	MP5A	Z	55.198	5
108	MP5A	Mx	.016	5
109	MP5B	X	-39.101	2
110	MP5B	Z	67.725	2
111	MP5B	Mx	-.039	2
112	MP5B	X	-39.101	5
113	MP5B	Z	67.725	5
114	MP5B	Mx	-.039	5
115	MP5C	X	-31.868	2
116	MP5C	Z	55.198	2
117	MP5C	Mx	.016	2
118	MP5C	X	-31.868	5
119	MP5C	Z	55.198	5
120	MP5C	Mx	.016	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-121.03	1
2	MP3A	Z	69.877	1
3	MP3A	Mx	.107	1
4	MP3A	X	-121.03	6
5	MP3A	Z	69.877	6
6	MP3A	Mx	.107	6
7	MP3B	X	-121.03	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP3B	Z	69.877	1
9	MP3B	Mx	-.014	1
10	MP3B	X	-121.03	6
11	MP3B	Z	69.877	6
12	MP3B	Mx	-.014	6
13	MP3C	X	-162.984	1
14	MP3C	Z	94.099	1
15	MP3C	Mx	-.125	1
16	MP3C	X	-162.984	6
17	MP3C	Z	94.099	6
18	MP3C	Mx	-.125	6
19	MP3A	X	-121.03	1
20	MP3A	Z	69.877	1
21	MP3A	Mx	.014	1
22	MP3A	X	-121.03	6
23	MP3A	Z	69.877	6
24	MP3A	Mx	.014	6
25	MP3B	X	-121.03	1
26	MP3B	Z	69.877	1
27	MP3B	Mx	-.107	1
28	MP3B	X	-121.03	6
29	MP3B	Z	69.877	6
30	MP3B	Mx	-.107	6
31	MP3C	X	-162.984	1
32	MP3C	Z	94.099	1
33	MP3C	Mx	.125	1
34	MP3C	X	-162.984	6
35	MP3C	Z	94.099	6
36	MP3C	Mx	.125	6
37	MP4A	X	-45.711	2.5
38	MP4A	Z	26.391	2.5
39	MP4A	Mx	.023	2.5
40	MP4A	X	-45.711	4.5
41	MP4A	Z	26.391	4.5
42	MP4A	Mx	.023	4.5
43	MP4B	X	-45.711	2.5
44	MP4B	Z	26.391	2.5
45	MP4B	Mx	-.023	2.5
46	MP4B	X	-45.711	4.5
47	MP4B	Z	26.391	4.5
48	MP4B	Mx	-.023	4.5
49	MP4C	X	-84.086	2.5
50	MP4C	Z	48.547	2.5
51	MP4C	Mx	0	2.5
52	MP4C	X	-84.086	4.5
53	MP4C	Z	48.547	4.5
54	MP4C	Mx	0	4.5
55	MP3A	X	-10.151	2.5
56	MP3A	Z	5.861	2.5
57	MP3A	Mx	-.005	2.5
58	MP3B	X	-10.151	2.5
59	MP3B	Z	5.861	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP3B	Mx	.005	2.5
61	MP3C	X	-13.201	2.5
62	MP3C	Z	7.622	2.5
63	MP3C	Mx	0	2.5
64	M74	X	-89.509	1.5
65	M74	Z	51.678	1.5
66	M74	Mx	0	1.5
67	MP2A	X	-50.13	3.5
68	MP2A	Z	28.942	3.5
69	MP2A	Mx	-.025	3.5
70	MP2B	X	-50.13	3.5
71	MP2B	Z	28.942	3.5
72	MP2B	Mx	.025	3.5
73	MP2C	X	-66.721	3.5
74	MP2C	Z	38.521	3.5
75	MP2C	Mx	0	3.5
76	MP3A	X	-43.774	4.25
77	MP3A	Z	25.273	4.25
78	MP3A	Mx	-.022	4.25
79	MP3B	X	-43.774	4.25
80	MP3B	Z	25.273	4.25
81	MP3B	Mx	.022	4.25
82	MP3C	X	-66.721	4.25
83	MP3C	Z	38.521	4.25
84	MP3C	Mx	0	4.25
85	MP1A	X	-63.549	2
86	MP1A	Z	36.69	2
87	MP1A	Mx	.032	2
88	MP1A	X	-63.549	5
89	MP1A	Z	36.69	5
90	MP1A	Mx	.032	5
91	MP1B	X	-63.549	2
92	MP1B	Z	36.69	2
93	MP1B	Mx	-.032	2
94	MP1B	X	-63.549	5
95	MP1B	Z	36.69	5
96	MP1B	Mx	-.032	5
97	MP1C	X	-51.022	2
98	MP1C	Z	29.457	2
99	MP1C	Mx	0	2
100	MP1C	X	-51.022	5
101	MP1C	Z	29.457	5
102	MP1C	Mx	0	5
103	MP5A	X	-63.549	2
104	MP5A	Z	36.69	2
105	MP5A	Mx	.032	2
106	MP5A	X	-63.549	5
107	MP5A	Z	36.69	5
108	MP5A	Mx	.032	5
109	MP5B	X	-63.549	2
110	MP5B	Z	36.69	2
111	MP5B	Mx	-.032	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
112	MP5B	X	-63.549	5
113	MP5B	Z	36.69	5
114	MP5B	Mx	-.032	5
115	MP5C	X	-51.022	2
116	MP5C	Z	29.457	2
117	MP5C	Mx	0	2
118	MP5C	X	-51.022	5
119	MP5C	Z	29.457	5
120	MP5C	Mx	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-123.606	1
2	MP3A	Z	0	1
3	MP3A	Mx	.062	1
4	MP3A	X	-123.606	6
5	MP3A	Z	0	6
6	MP3A	Mx	.062	6
7	MP3B	X	-172.049	1
8	MP3B	Z	0	1
9	MP3B	Mx	.056	1
10	MP3B	X	-172.049	6
11	MP3B	Z	0	6
12	MP3B	Mx	.056	6
13	MP3C	X	-172.049	1
14	MP3C	Z	0	1
15	MP3C	Mx	-.142	1
16	MP3C	X	-172.049	6
17	MP3C	Z	0	6
18	MP3C	Mx	-.142	6
19	MP3A	X	-123.606	1
20	MP3A	Z	0	1
21	MP3A	Mx	.062	1
22	MP3A	X	-123.606	6
23	MP3A	Z	0	6
24	MP3A	Mx	.062	6
25	MP3B	X	-172.049	1
26	MP3B	Z	0	1
27	MP3B	Mx	-.142	1
28	MP3B	X	-172.049	6
29	MP3B	Z	0	6
30	MP3B	Mx	-.142	6
31	MP3C	X	-172.049	1
32	MP3C	Z	0	1
33	MP3C	Mx	.056	1
34	MP3C	X	-172.049	6
35	MP3C	Z	0	6
36	MP3C	Mx	.056	6
37	MP4A	X	-38.012	2.5
38	MP4A	Z	0	2.5
39	MP4A	Mx	.019	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP4A	X	-38.012	4.5
41	MP4A	Z	0	4.5
42	MP4A	Mx	.019	4.5
43	MP4B	X	-82.324	2.5
44	MP4B	Z	0	2.5
45	MP4B	Mx	-.021	2.5
46	MP4B	X	-82.324	4.5
47	MP4B	Z	0	4.5
48	MP4B	Mx	-.021	4.5
49	MP4C	X	-82.324	2.5
50	MP4C	Z	0	2.5
51	MP4C	Mx	-.021	2.5
52	MP4C	X	-82.324	4.5
53	MP4C	Z	0	4.5
54	MP4C	Mx	-.021	4.5
55	MP3A	X	-10.547	2.5
56	MP3A	Z	0	2.5
57	MP3A	Mx	-.005	2.5
58	MP3B	X	-14.07	2.5
59	MP3B	Z	0	2.5
60	MP3B	Mx	.004	2.5
61	MP3C	X	-14.07	2.5
62	MP3C	Z	0	2.5
63	MP3C	Mx	.004	2.5
64	M74	X	-116.553	1.5
65	M74	Z	0	1.5
66	M74	Mx	0	1.5
67	MP2A	X	-51.499	3.5
68	MP2A	Z	0	3.5
69	MP2A	Mx	-.026	3.5
70	MP2B	X	-70.657	3.5
71	MP2B	Z	0	3.5
72	MP2B	Mx	.018	3.5
73	MP2C	X	-70.657	3.5
74	MP2C	Z	0	3.5
75	MP2C	Mx	.018	3.5
76	MP3A	X	-41.714	4.25
77	MP3A	Z	0	4.25
78	MP3A	Mx	-.021	4.25
79	MP3B	X	-68.21	4.25
80	MP3B	Z	0	4.25
81	MP3B	Mx	.017	4.25
82	MP3C	X	-68.21	4.25
83	MP3C	Z	0	4.25
84	MP3C	Mx	.017	4.25
85	MP1A	X	-78.202	2
86	MP1A	Z	0	2
87	MP1A	Mx	.039	2
88	MP1A	X	-78.202	5
89	MP1A	Z	0	5
90	MP1A	Mx	.039	5
91	MP1B	X	-63.737	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	MP1B	Z	0	2
93	MP1B	Mx	-.016	2
94	MP1B	X	-63.737	5
95	MP1B	Z	0	5
96	MP1B	Mx	-.016	5
97	MP1C	X	-63.737	2
98	MP1C	Z	0	2
99	MP1C	Mx	-.016	2
100	MP1C	X	-63.737	5
101	MP1C	Z	0	5
102	MP1C	Mx	-.016	5
103	MP5A	X	-78.202	2
104	MP5A	Z	0	2
105	MP5A	Mx	.039	2
106	MP5A	X	-78.202	5
107	MP5A	Z	0	5
108	MP5A	Mx	.039	5
109	MP5B	X	-63.737	2
110	MP5B	Z	0	2
111	MP5B	Mx	-.016	2
112	MP5B	X	-63.737	5
113	MP5B	Z	0	5
114	MP5B	Mx	-.016	5
115	MP5C	X	-63.737	2
116	MP5C	Z	0	2
117	MP5C	Mx	-.016	2
118	MP5C	X	-63.737	5
119	MP5C	Z	0	5
120	MP5C	Mx	-.016	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-121.03	1
2	MP3A	Z	-69.877	1
3	MP3A	Mx	.014	1
4	MP3A	X	-121.03	6
5	MP3A	Z	-69.877	6
6	MP3A	Mx	.014	6
7	MP3B	X	-162.984	1
8	MP3B	Z	-94.099	1
9	MP3B	Mx	.125	1
10	MP3B	X	-162.984	6
11	MP3B	Z	-94.099	6
12	MP3B	Mx	.125	6
13	MP3C	X	-121.03	1
14	MP3C	Z	-69.877	1
15	MP3C	Mx	-.107	1
16	MP3C	X	-121.03	6
17	MP3C	Z	-69.877	6
18	MP3C	Mx	-.107	6
19	MP3A	X	-121.03	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
20	MP3A	Z	-69.877	1
21	MP3A	Mx	.107	1
22	MP3A	X	-121.03	6
23	MP3A	Z	-69.877	6
24	MP3A	Mx	.107	6
25	MP3B	X	-162.984	1
26	MP3B	Z	-94.099	1
27	MP3B	Mx	-.125	1
28	MP3B	X	-162.984	6
29	MP3B	Z	-94.099	6
30	MP3B	Mx	-.125	6
31	MP3C	X	-121.03	1
32	MP3C	Z	-69.877	1
33	MP3C	Mx	-.014	1
34	MP3C	X	-121.03	6
35	MP3C	Z	-69.877	6
36	MP3C	Mx	-.014	6
37	MP4A	X	-45.711	2.5
38	MP4A	Z	-26.391	2.5
39	MP4A	Mx	.023	2.5
40	MP4A	X	-45.711	4.5
41	MP4A	Z	-26.391	4.5
42	MP4A	Mx	.023	4.5
43	MP4B	X	-84.086	2.5
44	MP4B	Z	-48.547	2.5
45	MP4B	Mx	0	2.5
46	MP4B	X	-84.086	4.5
47	MP4B	Z	-48.547	4.5
48	MP4B	Mx	0	4.5
49	MP4C	X	-45.711	2.5
50	MP4C	Z	-26.391	2.5
51	MP4C	Mx	-.023	2.5
52	MP4C	X	-45.711	4.5
53	MP4C	Z	-26.391	4.5
54	MP4C	Mx	-.023	4.5
55	MP3A	X	-10.151	2.5
56	MP3A	Z	-5.861	2.5
57	MP3A	Mx	-.005	2.5
58	MP3B	X	-13.201	2.5
59	MP3B	Z	-7.622	2.5
60	MP3B	Mx	0	2.5
61	MP3C	X	-10.151	2.5
62	MP3C	Z	-5.861	2.5
63	MP3C	Mx	.005	2.5
64	M74	X	-123.796	1.5
65	M74	Z	-71.474	1.5
66	M74	Mx	0	1.5
67	MP2A	X	-50.13	3.5
68	MP2A	Z	-28.942	3.5
69	MP2A	Mx	-.025	3.5
70	MP2B	X	-66.721	3.5
71	MP2B	Z	-38.521	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP2B	Mx	0	3.5
73	MP2C	X	-50.13	3.5
74	MP2C	Z	-28.942	3.5
75	MP2C	Mx	.025	3.5
76	MP3A	X	-43.774	4.25
77	MP3A	Z	-25.273	4.25
78	MP3A	Mx	-.022	4.25
79	MP3B	X	-66.721	4.25
80	MP3B	Z	-38.521	4.25
81	MP3B	Mx	0	4.25
82	MP3C	X	-43.774	4.25
83	MP3C	Z	-25.273	4.25
84	MP3C	Mx	.022	4.25
85	MP1A	X	-63.549	2
86	MP1A	Z	-36.69	2
87	MP1A	Mx	.032	2
88	MP1A	X	-63.549	5
89	MP1A	Z	-36.69	5
90	MP1A	Mx	.032	5
91	MP1B	X	-51.022	2
92	MP1B	Z	-29.457	2
93	MP1B	Mx	0	2
94	MP1B	X	-51.022	5
95	MP1B	Z	-29.457	5
96	MP1B	Mx	0	5
97	MP1C	X	-63.549	2
98	MP1C	Z	-36.69	2
99	MP1C	Mx	-.032	2
100	MP1C	X	-63.549	5
101	MP1C	Z	-36.69	5
102	MP1C	Mx	-.032	5
103	MP5A	X	-63.549	2
104	MP5A	Z	-36.69	2
105	MP5A	Mx	.032	2
106	MP5A	X	-63.549	5
107	MP5A	Z	-36.69	5
108	MP5A	Mx	.032	5
109	MP5B	X	-51.022	2
110	MP5B	Z	-29.457	2
111	MP5B	Mx	0	2
112	MP5B	X	-51.022	5
113	MP5B	Z	-29.457	5
114	MP5B	Mx	0	5
115	MP5C	X	-63.549	2
116	MP5C	Z	-36.69	2
117	MP5C	Mx	-.032	2
118	MP5C	X	-63.549	5
119	MP5C	Z	-36.69	5
120	MP5C	Mx	-.032	5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-86.025	1
2	MP3A	Z	-148.999	1
3	MP3A	Mx	-.056	1
4	MP3A	X	-86.025	6
5	MP3A	Z	-148.999	6
6	MP3A	Mx	-.056	6
7	MP3B	X	-86.025	1
8	MP3B	Z	-148.999	1
9	MP3B	Mx	.142	1
10	MP3B	X	-86.025	6
11	MP3B	Z	-148.999	6
12	MP3B	Mx	.142	6
13	MP3C	X	-61.803	1
14	MP3C	Z	-107.046	1
15	MP3C	Mx	-.062	1
16	MP3C	X	-61.803	6
17	MP3C	Z	-107.046	6
18	MP3C	Mx	-.062	6
19	MP3A	X	-86.025	1
20	MP3A	Z	-148.999	1
21	MP3A	Mx	.142	1
22	MP3A	X	-86.025	6
23	MP3A	Z	-148.999	6
24	MP3A	Mx	.142	6
25	MP3B	X	-86.025	1
26	MP3B	Z	-148.999	1
27	MP3B	Mx	-.056	1
28	MP3B	X	-86.025	6
29	MP3B	Z	-148.999	6
30	MP3B	Mx	-.056	6
31	MP3C	X	-61.803	1
32	MP3C	Z	-107.046	1
33	MP3C	Mx	-.062	1
34	MP3C	X	-61.803	6
35	MP3C	Z	-107.046	6
36	MP3C	Mx	-.062	6
37	MP4A	X	-41.162	2.5
38	MP4A	Z	-71.294	2.5
39	MP4A	Mx	.021	2.5
40	MP4A	X	-41.162	4.5
41	MP4A	Z	-71.294	4.5
42	MP4A	Mx	.021	4.5
43	MP4B	X	-41.162	2.5
44	MP4B	Z	-71.294	2.5
45	MP4B	Mx	.021	2.5
46	MP4B	X	-41.162	4.5
47	MP4B	Z	-71.294	4.5
48	MP4B	Mx	.021	4.5
49	MP4C	X	-19.006	2.5
50	MP4C	Z	-32.919	2.5
51	MP4C	Mx	-.019	2.5
52	MP4C	X	-19.006	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP4C	Z	-32.919	4.5
54	MP4C	Mx	-.019	4.5
55	MP3A	X	-7.035	2.5
56	MP3A	Z	-12.185	2.5
57	MP3A	Mx	-.004	2.5
58	MP3B	X	-7.035	2.5
59	MP3B	Z	-12.185	2.5
60	MP3B	Mx	-.004	2.5
61	MP3C	X	-5.274	2.5
62	MP3C	Z	-9.134	2.5
63	MP3C	Mx	.005	2.5
64	M74	X	-78.073	1.5
65	M74	Z	-135.226	1.5
66	M74	Mx	0	1.5
67	MP2A	X	-35.328	3.5
68	MP2A	Z	-61.19	3.5
69	MP2A	Mx	-.018	3.5
70	MP2B	X	-35.328	3.5
71	MP2B	Z	-61.19	3.5
72	MP2B	Mx	-.018	3.5
73	MP2C	X	-25.75	3.5
74	MP2C	Z	-44.599	3.5
75	MP2C	Mx	.026	3.5
76	MP3A	X	-34.105	4.25
77	MP3A	Z	-59.072	4.25
78	MP3A	Mx	-.017	4.25
79	MP3B	X	-34.105	4.25
80	MP3B	Z	-59.072	4.25
81	MP3B	Mx	-.017	4.25
82	MP3C	X	-20.857	4.25
83	MP3C	Z	-36.126	4.25
84	MP3C	Mx	.021	4.25
85	MP1A	X	-31.868	2
86	MP1A	Z	-55.198	2
87	MP1A	Mx	.016	2
88	MP1A	X	-31.868	5
89	MP1A	Z	-55.198	5
90	MP1A	Mx	.016	5
91	MP1B	X	-31.868	2
92	MP1B	Z	-55.198	2
93	MP1B	Mx	.016	2
94	MP1B	X	-31.868	5
95	MP1B	Z	-55.198	5
96	MP1B	Mx	.016	5
97	MP1C	X	-39.101	2
98	MP1C	Z	-67.725	2
99	MP1C	Mx	-.039	2
100	MP1C	X	-39.101	5
101	MP1C	Z	-67.725	5
102	MP1C	Mx	-.039	5
103	MP5A	X	-31.868	2
104	MP5A	Z	-55.198	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
105	MP5A	Mx	.016	2
106	MP5A	X	-31.868	5
107	MP5A	Z	-55.198	5
108	MP5A	Mx	.016	5
109	MP5B	X	-31.868	2
110	MP5B	Z	-55.198	2
111	MP5B	Mx	.016	2
112	MP5B	X	-31.868	5
113	MP5B	Z	-55.198	5
114	MP5B	Mx	.016	5
115	MP5C	X	-39.101	2
116	MP5C	Z	-67.725	2
117	MP5C	Mx	-.039	2
118	MP5C	X	-39.101	5
119	MP5C	Z	-67.725	5
120	MP5C	Mx	-.039	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1
2	MP3A	Z	-37.053	1
3	MP3A	Mx	-.025	1
4	MP3A	X	0	6
5	MP3A	Z	-37.053	6
6	MP3A	Mx	-.025	6
7	MP3B	X	0	1
8	MP3B	Z	-28.225	1
9	MP3B	Mx	.022	1
10	MP3B	X	0	6
11	MP3B	Z	-28.225	6
12	MP3B	Mx	.022	6
13	MP3C	X	0	1
14	MP3C	Z	-28.225	1
15	MP3C	Mx	-.003	1
16	MP3C	X	0	6
17	MP3C	Z	-28.225	6
18	MP3C	Mx	-.003	6
19	MP3A	X	0	1
20	MP3A	Z	-37.053	1
21	MP3A	Mx	.025	1
22	MP3A	X	0	6
23	MP3A	Z	-37.053	6
24	MP3A	Mx	.025	6
25	MP3B	X	0	1
26	MP3B	Z	-28.225	1
27	MP3B	Mx	.003	1
28	MP3B	X	0	6
29	MP3B	Z	-28.225	6
30	MP3B	Mx	.003	6
31	MP3C	X	0	1
32	MP3C	Z	-28.225	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP3C	Mx	-.022	1
34	MP3C	X	0	6
35	MP3C	Z	-28.225	6
36	MP3C	Mx	-.022	6
37	MP4A	X	0	2.5
38	MP4A	Z	-19.711	2.5
39	MP4A	Mx	0	2.5
40	MP4A	X	0	4.5
41	MP4A	Z	-19.711	4.5
42	MP4A	Mx	0	4.5
43	MP4B	X	0	2.5
44	MP4B	Z	-11.229	2.5
45	MP4B	Mx	.005	2.5
46	MP4B	X	0	4.5
47	MP4B	Z	-11.229	4.5
48	MP4B	Mx	.005	4.5
49	MP4C	X	0	2.5
50	MP4C	Z	-11.229	2.5
51	MP4C	Mx	-.005	2.5
52	MP4C	X	0	4.5
53	MP4C	Z	-11.229	4.5
54	MP4C	Mx	-.005	4.5
55	MP3A	X	0	2.5
56	MP3A	Z	-4.027	2.5
57	MP3A	Mx	0	2.5
58	MP3B	X	0	2.5
59	MP3B	Z	-3.274	2.5
60	MP3B	Mx	-.001	2.5
61	MP3C	X	0	2.5
62	MP3C	Z	-3.274	2.5
63	MP3C	Mx	.001	2.5
64	M74	X	0	1.5
65	M74	Z	-29.37	1.5
66	M74	Mx	0	1.5
67	MP2A	X	0	3.5
68	MP2A	Z	-16.569	3.5
69	MP2A	Mx	0	3.5
70	MP2B	X	0	3.5
71	MP2B	Z	-12.788	3.5
72	MP2B	Mx	-.006	3.5
73	MP2C	X	0	3.5
74	MP2C	Z	-12.788	3.5
75	MP2C	Mx	.006	3.5
76	MP3A	X	0	4.25
77	MP3A	Z	-16.569	4.25
78	MP3A	Mx	0	4.25
79	MP3B	X	0	4.25
80	MP3B	Z	-11.352	4.25
81	MP3B	Mx	-.005	4.25
82	MP3C	X	0	4.25
83	MP3C	Z	-11.352	4.25
84	MP3C	Mx	.005	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
85	MP1A	X	0	2
86	MP1A	Z	-12.659	2
87	MP1A	Mx	0	2
88	MP1A	X	0	5
89	MP1A	Z	-12.659	5
90	MP1A	Mx	0	5
91	MP1B	X	0	2
92	MP1B	Z	-15.315	2
93	MP1B	Mx	.007	2
94	MP1B	X	0	5
95	MP1B	Z	-15.315	5
96	MP1B	Mx	.007	5
97	MP1C	X	0	2
98	MP1C	Z	-15.315	2
99	MP1C	Mx	-.007	2
100	MP1C	X	0	5
101	MP1C	Z	-15.315	5
102	MP1C	Mx	-.007	5
103	MP5A	X	0	2
104	MP5A	Z	-12.659	2
105	MP5A	Mx	0	2
106	MP5A	X	0	5
107	MP5A	Z	-12.659	5
108	MP5A	Mx	0	5
109	MP5B	X	0	2
110	MP5B	Z	-15.315	2
111	MP5B	Mx	.007	2
112	MP5B	X	0	5
113	MP5B	Z	-15.315	5
114	MP5B	Mx	.007	5
115	MP5C	X	0	2
116	MP5C	Z	-15.315	2
117	MP5C	Mx	-.007	2
118	MP5C	X	0	5
119	MP5C	Z	-15.315	5
120	MP5C	Mx	-.007	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	17.055	1
2	MP3A	Z	-29.54	1
3	MP3A	Mx	-.028	1
4	MP3A	X	17.055	6
5	MP3A	Z	-29.54	6
6	MP3A	Mx	-.028	6
7	MP3B	X	12.641	1
8	MP3B	Z	-21.895	1
9	MP3B	Mx	.013	1
10	MP3B	X	12.641	6
11	MP3B	Z	-21.895	6
12	MP3B	Mx	.013	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP3C	X	17.055	1
14	MP3C	Z	-29.54	1
15	MP3C	Mx	.011	1
16	MP3C	X	17.055	6
17	MP3C	Z	-29.54	6
18	MP3C	Mx	.011	6
19	MP3A	X	17.055	1
20	MP3A	Z	-29.54	1
21	MP3A	Mx	.011	1
22	MP3A	X	17.055	6
23	MP3A	Z	-29.54	6
24	MP3A	Mx	.011	6
25	MP3B	X	12.641	1
26	MP3B	Z	-21.895	1
27	MP3B	Mx	.013	1
28	MP3B	X	12.641	6
29	MP3B	Z	-21.895	6
30	MP3B	Mx	.013	6
31	MP3C	X	17.055	1
32	MP3C	Z	-29.54	1
33	MP3C	Mx	-.028	1
34	MP3C	X	17.055	6
35	MP3C	Z	-29.54	6
36	MP3C	Mx	-.028	6
37	MP4A	X	8.442	2.5
38	MP4A	Z	-14.622	2.5
39	MP4A	Mx	-.004	2.5
40	MP4A	X	8.442	4.5
41	MP4A	Z	-14.622	4.5
42	MP4A	Mx	-.004	4.5
43	MP4B	X	4.201	2.5
44	MP4B	Z	-7.276	2.5
45	MP4B	Mx	.004	2.5
46	MP4B	X	4.201	4.5
47	MP4B	Z	-7.276	4.5
48	MP4B	Mx	.004	4.5
49	MP4C	X	8.442	2.5
50	MP4C	Z	-14.622	2.5
51	MP4C	Mx	-.004	2.5
52	MP4C	X	8.442	4.5
53	MP4C	Z	-14.622	4.5
54	MP4C	Mx	-.004	4.5
55	MP3A	X	1.888	2.5
56	MP3A	Z	-3.27	2.5
57	MP3A	Mx	.000944	2.5
58	MP3B	X	1.511	2.5
59	MP3B	Z	-2.618	2.5
60	MP3B	Mx	-.002	2.5
61	MP3C	X	1.888	2.5
62	MP3C	Z	-3.27	2.5
63	MP3C	Mx	.000944	2.5
64	M74	X	12.167	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	M74	Z	-21.074	1.5
66	M74	Mx	0	1.5
67	MP2A	X	7.654	3.5
68	MP2A	Z	-13.258	3.5
69	MP2A	Mx	.004	3.5
70	MP2B	X	5.764	3.5
71	MP2B	Z	-9.984	3.5
72	MP2B	Mx	-.006	3.5
73	MP2C	X	7.654	3.5
74	MP2C	Z	-13.258	3.5
75	MP2C	Mx	.004	3.5
76	MP3A	X	7.415	4.25
77	MP3A	Z	-12.843	4.25
78	MP3A	Mx	.004	4.25
79	MP3B	X	4.806	4.25
80	MP3B	Z	-8.325	4.25
81	MP3B	Mx	-.005	4.25
82	MP3C	X	7.415	4.25
83	MP3C	Z	-12.843	4.25
84	MP3C	Mx	.004	4.25
85	MP1A	X	6.772	2
86	MP1A	Z	-11.73	2
87	MP1A	Mx	-.003	2
88	MP1A	X	6.772	5
89	MP1A	Z	-11.73	5
90	MP1A	Mx	-.003	5
91	MP1B	X	8.1	2
92	MP1B	Z	-14.03	2
93	MP1B	Mx	.008	2
94	MP1B	X	8.1	5
95	MP1B	Z	-14.03	5
96	MP1B	Mx	.008	5
97	MP1C	X	6.772	2
98	MP1C	Z	-11.73	2
99	MP1C	Mx	-.003	2
100	MP1C	X	6.772	5
101	MP1C	Z	-11.73	5
102	MP1C	Mx	-.003	5
103	MP5A	X	6.772	2
104	MP5A	Z	-11.73	2
105	MP5A	Mx	-.003	2
106	MP5A	X	6.772	5
107	MP5A	Z	-11.73	5
108	MP5A	Mx	-.003	5
109	MP5B	X	8.1	2
110	MP5B	Z	-14.03	2
111	MP5B	Mx	.008	2
112	MP5B	X	8.1	5
113	MP5B	Z	-14.03	5
114	MP5B	Mx	.008	5
115	MP5C	X	6.772	2
116	MP5C	Z	-11.73	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
117	MP5C	Mx	-.003	2
118	MP5C	X	6.772	5
119	MP5C	Z	-11.73	5
120	MP5C	Mx	-.003	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	24.444	1
2	MP3A	Z	-14.113	1
3	MP3A	Mx	-.022	1
4	MP3A	X	24.444	6
5	MP3A	Z	-14.113	6
6	MP3A	Mx	-.022	6
7	MP3B	X	24.444	1
8	MP3B	Z	-14.113	1
9	MP3B	Mx	.003	1
10	MP3B	X	24.444	6
11	MP3B	Z	-14.113	6
12	MP3B	Mx	.003	6
13	MP3C	X	32.089	1
14	MP3C	Z	-18.526	1
15	MP3C	Mx	.025	1
16	MP3C	X	32.089	6
17	MP3C	Z	-18.526	6
18	MP3C	Mx	.025	6
19	MP3A	X	24.444	1
20	MP3A	Z	-14.113	1
21	MP3A	Mx	-.003	1
22	MP3A	X	24.444	6
23	MP3A	Z	-14.113	6
24	MP3A	Mx	-.003	6
25	MP3B	X	24.444	1
26	MP3B	Z	-14.113	1
27	MP3B	Mx	.022	1
28	MP3B	X	24.444	6
29	MP3B	Z	-14.113	6
30	MP3B	Mx	.022	6
31	MP3C	X	32.089	1
32	MP3C	Z	-18.526	1
33	MP3C	Mx	-.025	1
34	MP3C	X	32.089	6
35	MP3C	Z	-18.526	6
36	MP3C	Mx	-.025	6
37	MP4A	X	9.725	2.5
38	MP4A	Z	-5.615	2.5
39	MP4A	Mx	-.005	2.5
40	MP4A	X	9.725	4.5
41	MP4A	Z	-5.615	4.5
42	MP4A	Mx	-.005	4.5
43	MP4B	X	9.725	2.5
44	MP4B	Z	-5.615	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP4B	Mx	.005	2.5
46	MP4B	X	9.725	4.5
47	MP4B	Z	-5.615	4.5
48	MP4B	Mx	.005	4.5
49	MP4C	X	17.071	2.5
50	MP4C	Z	-9.856	2.5
51	MP4C	Mx	0	2.5
52	MP4C	X	17.071	4.5
53	MP4C	Z	-9.856	4.5
54	MP4C	Mx	0	4.5
55	MP3A	X	2.835	2.5
56	MP3A	Z	-1.637	2.5
57	MP3A	Mx	.001	2.5
58	MP3B	X	2.835	2.5
59	MP3B	Z	-1.637	2.5
60	MP3B	Mx	-.001	2.5
61	MP3C	X	3.487	2.5
62	MP3C	Z	-2.013	2.5
63	MP3C	Mx	0	2.5
64	M74	X	18.894	1.5
65	M74	Z	-10.908	1.5
66	M74	Mx	0	1.5
67	MP2A	X	11.075	3.5
68	MP2A	Z	-6.394	3.5
69	MP2A	Mx	.006	3.5
70	MP2B	X	11.075	3.5
71	MP2B	Z	-6.394	3.5
72	MP2B	Mx	-.006	3.5
73	MP2C	X	14.349	3.5
74	MP2C	Z	-8.284	3.5
75	MP2C	Mx	0	3.5
76	MP3A	X	9.831	4.25
77	MP3A	Z	-5.676	4.25
78	MP3A	Mx	.005	4.25
79	MP3B	X	9.831	4.25
80	MP3B	Z	-5.676	4.25
81	MP3B	Mx	-.005	4.25
82	MP3C	X	14.349	4.25
83	MP3C	Z	-8.284	4.25
84	MP3C	Mx	0	4.25
85	MP1A	X	13.263	2
86	MP1A	Z	-7.657	2
87	MP1A	Mx	-.007	2
88	MP1A	X	13.263	5
89	MP1A	Z	-7.657	5
90	MP1A	Mx	-.007	5
91	MP1B	X	13.263	2
92	MP1B	Z	-7.657	2
93	MP1B	Mx	.007	2
94	MP1B	X	13.263	5
95	MP1B	Z	-7.657	5
96	MP1B	Mx	.007	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
97	MP1C	X	10.963	2
98	MP1C	Z	-6.329	2
99	MP1C	Mx	0	2
100	MP1C	X	10.963	5
101	MP1C	Z	-6.329	5
102	MP1C	Mx	0	5
103	MP5A	X	13.263	2
104	MP5A	Z	-7.657	2
105	MP5A	Mx	-.007	2
106	MP5A	X	13.263	5
107	MP5A	Z	-7.657	5
108	MP5A	Mx	-.007	5
109	MP5B	X	13.263	2
110	MP5B	Z	-7.657	2
111	MP5B	Mx	.007	2
112	MP5B	X	13.263	5
113	MP5B	Z	-7.657	5
114	MP5B	Mx	.007	5
115	MP5C	X	10.963	2
116	MP5C	Z	-6.329	2
117	MP5C	Mx	0	2
118	MP5C	X	10.963	5
119	MP5C	Z	-6.329	5
120	MP5C	Mx	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	25.283	1
2	MP3A	Z	0	1
3	MP3A	Mx	-.013	1
4	MP3A	X	25.283	6
5	MP3A	Z	0	6
6	MP3A	Mx	-.013	6
7	MP3B	X	34.11	1
8	MP3B	Z	0	1
9	MP3B	Mx	-.011	1
10	MP3B	X	34.11	6
11	MP3B	Z	0	6
12	MP3B	Mx	-.011	6
13	MP3C	X	34.11	1
14	MP3C	Z	0	1
15	MP3C	Mx	.028	1
16	MP3C	X	34.11	6
17	MP3C	Z	0	6
18	MP3C	Mx	.028	6
19	MP3A	X	25.283	1
20	MP3A	Z	0	1
21	MP3A	Mx	-.013	1
22	MP3A	X	25.283	6
23	MP3A	Z	0	6
24	MP3A	Mx	-.013	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP3B	X	34.11	1
26	MP3B	Z	0	1
27	MP3B	Mx	.028	1
28	MP3B	X	34.11	6
29	MP3B	Z	0	6
30	MP3B	Mx	.028	6
31	MP3C	X	34.11	1
32	MP3C	Z	0	1
33	MP3C	Mx	-.011	1
34	MP3C	X	34.11	6
35	MP3C	Z	0	6
36	MP3C	Mx	-.011	6
37	MP4A	X	8.402	2.5
38	MP4A	Z	0	2.5
39	MP4A	Mx	-.004	2.5
40	MP4A	X	8.402	4.5
41	MP4A	Z	0	4.5
42	MP4A	Mx	-.004	4.5
43	MP4B	X	16.884	2.5
44	MP4B	Z	0	2.5
45	MP4B	Mx	.004	2.5
46	MP4B	X	16.884	4.5
47	MP4B	Z	0	4.5
48	MP4B	Mx	.004	4.5
49	MP4C	X	16.884	2.5
50	MP4C	Z	0	2.5
51	MP4C	Mx	.004	2.5
52	MP4C	X	16.884	4.5
53	MP4C	Z	0	4.5
54	MP4C	Mx	.004	4.5
55	MP3A	X	3.023	2.5
56	MP3A	Z	0	2.5
57	MP3A	Mx	.002	2.5
58	MP3B	X	3.776	2.5
59	MP3B	Z	0	2.5
60	MP3B	Mx	-.000944	2.5
61	MP3C	X	3.776	2.5
62	MP3C	Z	0	2.5
63	MP3C	Mx	-.000944	2.5
64	M74	X	24.334	1.5
65	M74	Z	0	1.5
66	M74	Mx	0	1.5
67	MP2A	X	11.528	3.5
68	MP2A	Z	0	3.5
69	MP2A	Mx	.006	3.5
70	MP2B	X	15.309	3.5
71	MP2B	Z	0	3.5
72	MP2B	Mx	-.004	3.5
73	MP2C	X	15.309	3.5
74	MP2C	Z	0	3.5
75	MP2C	Mx	-.004	3.5
76	MP3A	X	9.613	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP3A	Z	0	4.25
78	MP3A	Mx	.005	4.25
79	MP3B	X	14.83	4.25
80	MP3B	Z	0	4.25
81	MP3B	Mx	-.004	4.25
82	MP3C	X	14.83	4.25
83	MP3C	Z	0	4.25
84	MP3C	Mx	-.004	4.25
85	MP1A	X	16.2	2
86	MP1A	Z	0	2
87	MP1A	Mx	-.008	2
88	MP1A	X	16.2	5
89	MP1A	Z	0	5
90	MP1A	Mx	-.008	5
91	MP1B	X	13.544	2
92	MP1B	Z	0	2
93	MP1B	Mx	.003	2
94	MP1B	X	13.544	5
95	MP1B	Z	0	5
96	MP1B	Mx	.003	5
97	MP1C	X	13.544	2
98	MP1C	Z	0	2
99	MP1C	Mx	.003	2
100	MP1C	X	13.544	5
101	MP1C	Z	0	5
102	MP1C	Mx	.003	5
103	MP5A	X	16.2	2
104	MP5A	Z	0	2
105	MP5A	Mx	-.008	2
106	MP5A	X	16.2	5
107	MP5A	Z	0	5
108	MP5A	Mx	-.008	5
109	MP5B	X	13.544	2
110	MP5B	Z	0	2
111	MP5B	Mx	.003	2
112	MP5B	X	13.544	5
113	MP5B	Z	0	5
114	MP5B	Mx	.003	5
115	MP5C	X	13.544	2
116	MP5C	Z	0	2
117	MP5C	Mx	.003	2
118	MP5C	X	13.544	5
119	MP5C	Z	0	5
120	MP5C	Mx	.003	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	24.444	1
2	MP3A	Z	14.113	1
3	MP3A	Mx	-.003	1
4	MP3A	X	24.444	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP3A	Z	14.113	6
6	MP3A	Mx	-.003	6
7	MP3B	X	32.089	1
8	MP3B	Z	18.526	1
9	MP3B	Mx	-.025	1
10	MP3B	X	32.089	6
11	MP3B	Z	18.526	6
12	MP3B	Mx	-.025	6
13	MP3C	X	24.444	1
14	MP3C	Z	14.113	1
15	MP3C	Mx	.022	1
16	MP3C	X	24.444	6
17	MP3C	Z	14.113	6
18	MP3C	Mx	.022	6
19	MP3A	X	24.444	1
20	MP3A	Z	14.113	1
21	MP3A	Mx	-.022	1
22	MP3A	X	24.444	6
23	MP3A	Z	14.113	6
24	MP3A	Mx	-.022	6
25	MP3B	X	32.089	1
26	MP3B	Z	18.526	1
27	MP3B	Mx	.025	1
28	MP3B	X	32.089	6
29	MP3B	Z	18.526	6
30	MP3B	Mx	.025	6
31	MP3C	X	24.444	1
32	MP3C	Z	14.113	1
33	MP3C	Mx	.003	1
34	MP3C	X	24.444	6
35	MP3C	Z	14.113	6
36	MP3C	Mx	.003	6
37	MP4A	X	9.725	2.5
38	MP4A	Z	5.615	2.5
39	MP4A	Mx	-.005	2.5
40	MP4A	X	9.725	4.5
41	MP4A	Z	5.615	4.5
42	MP4A	Mx	-.005	4.5
43	MP4B	X	17.071	2.5
44	MP4B	Z	9.856	2.5
45	MP4B	Mx	0	2.5
46	MP4B	X	17.071	4.5
47	MP4B	Z	9.856	4.5
48	MP4B	Mx	0	4.5
49	MP4C	X	9.725	2.5
50	MP4C	Z	5.615	2.5
51	MP4C	Mx	.005	2.5
52	MP4C	X	9.725	4.5
53	MP4C	Z	5.615	4.5
54	MP4C	Mx	.005	4.5
55	MP3A	X	2.835	2.5
56	MP3A	Z	1.637	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
57	MP3A	Mx	.001	2.5
58	MP3B	X	3.487	2.5
59	MP3B	Z	2.013	2.5
60	MP3B	Mx	0	2.5
61	MP3C	X	2.835	2.5
62	MP3C	Z	1.637	2.5
63	MP3C	Mx	-.001	2.5
64	M74	X	25.435	1.5
65	M74	Z	14.685	1.5
66	M74	Mx	0	1.5
67	MP2A	X	11.075	3.5
68	MP2A	Z	6.394	3.5
69	MP2A	Mx	.006	3.5
70	MP2B	X	14.349	3.5
71	MP2B	Z	8.284	3.5
72	MP2B	Mx	0	3.5
73	MP2C	X	11.075	3.5
74	MP2C	Z	6.394	3.5
75	MP2C	Mx	-.006	3.5
76	MP3A	X	9.831	4.25
77	MP3A	Z	5.676	4.25
78	MP3A	Mx	.005	4.25
79	MP3B	X	14.349	4.25
80	MP3B	Z	8.284	4.25
81	MP3B	Mx	0	4.25
82	MP3C	X	9.831	4.25
83	MP3C	Z	5.676	4.25
84	MP3C	Mx	-.005	4.25
85	MP1A	X	13.263	2
86	MP1A	Z	7.657	2
87	MP1A	Mx	-.007	2
88	MP1A	X	13.263	5
89	MP1A	Z	7.657	5
90	MP1A	Mx	-.007	5
91	MP1B	X	10.963	2
92	MP1B	Z	6.329	2
93	MP1B	Mx	0	2
94	MP1B	X	10.963	5
95	MP1B	Z	6.329	5
96	MP1B	Mx	0	5
97	MP1C	X	13.263	2
98	MP1C	Z	7.657	2
99	MP1C	Mx	.007	2
100	MP1C	X	13.263	5
101	MP1C	Z	7.657	5
102	MP1C	Mx	.007	5
103	MP5A	X	13.263	2
104	MP5A	Z	7.657	2
105	MP5A	Mx	-.007	2
106	MP5A	X	13.263	5
107	MP5A	Z	7.657	5
108	MP5A	Mx	-.007	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
109	MP5B	X	10.963	2
110	MP5B	Z	6.329	2
111	MP5B	Mx	0	2
112	MP5B	X	10.963	5
113	MP5B	Z	6.329	5
114	MP5B	Mx	0	5
115	MP5C	X	13.263	2
116	MP5C	Z	7.657	2
117	MP5C	Mx	.007	2
118	MP5C	X	13.263	5
119	MP5C	Z	7.657	5
120	MP5C	Mx	.007	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	17.055	1
2	MP3A	Z	29.54	1
3	MP3A	Mx	.011	1
4	MP3A	X	17.055	6
5	MP3A	Z	29.54	6
6	MP3A	Mx	.011	6
7	MP3B	X	17.055	1
8	MP3B	Z	29.54	1
9	MP3B	Mx	-.028	1
10	MP3B	X	17.055	6
11	MP3B	Z	29.54	6
12	MP3B	Mx	-.028	6
13	MP3C	X	12.641	1
14	MP3C	Z	21.895	1
15	MP3C	Mx	.013	1
16	MP3C	X	12.641	6
17	MP3C	Z	21.895	6
18	MP3C	Mx	.013	6
19	MP3A	X	17.055	1
20	MP3A	Z	29.54	1
21	MP3A	Mx	-.028	1
22	MP3A	X	17.055	6
23	MP3A	Z	29.54	6
24	MP3A	Mx	-.028	6
25	MP3B	X	17.055	1
26	MP3B	Z	29.54	1
27	MP3B	Mx	.011	1
28	MP3B	X	17.055	6
29	MP3B	Z	29.54	6
30	MP3B	Mx	.011	6
31	MP3C	X	12.641	1
32	MP3C	Z	21.895	1
33	MP3C	Mx	.013	1
34	MP3C	X	12.641	6
35	MP3C	Z	21.895	6
36	MP3C	Mx	.013	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP4A	X	8.442	2.5
38	MP4A	Z	14.622	2.5
39	MP4A	Mx	-.004	2.5
40	MP4A	X	8.442	4.5
41	MP4A	Z	14.622	4.5
42	MP4A	Mx	-.004	4.5
43	MP4B	X	8.442	2.5
44	MP4B	Z	14.622	2.5
45	MP4B	Mx	-.004	2.5
46	MP4B	X	8.442	4.5
47	MP4B	Z	14.622	4.5
48	MP4B	Mx	-.004	4.5
49	MP4C	X	4.201	2.5
50	MP4C	Z	7.276	2.5
51	MP4C	Mx	.004	2.5
52	MP4C	X	4.201	4.5
53	MP4C	Z	7.276	4.5
54	MP4C	Mx	.004	4.5
55	MP3A	X	1.888	2.5
56	MP3A	Z	3.27	2.5
57	MP3A	Mx	.000944	2.5
58	MP3B	X	1.888	2.5
59	MP3B	Z	3.27	2.5
60	MP3B	Mx	.000944	2.5
61	MP3C	X	1.511	2.5
62	MP3C	Z	2.618	2.5
63	MP3C	Mx	-.002	2.5
64	M74	X	15.944	1.5
65	M74	Z	27.615	1.5
66	M74	Mx	0	1.5
67	MP2A	X	7.654	3.5
68	MP2A	Z	13.258	3.5
69	MP2A	Mx	.004	3.5
70	MP2B	X	7.654	3.5
71	MP2B	Z	13.258	3.5
72	MP2B	Mx	.004	3.5
73	MP2C	X	5.764	3.5
74	MP2C	Z	9.984	3.5
75	MP2C	Mx	-.006	3.5
76	MP3A	X	7.415	4.25
77	MP3A	Z	12.843	4.25
78	MP3A	Mx	.004	4.25
79	MP3B	X	7.415	4.25
80	MP3B	Z	12.843	4.25
81	MP3B	Mx	.004	4.25
82	MP3C	X	4.806	4.25
83	MP3C	Z	8.325	4.25
84	MP3C	Mx	-.005	4.25
85	MP1A	X	6.772	2
86	MP1A	Z	11.73	2
87	MP1A	Mx	-.003	2
88	MP1A	X	6.772	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP1A	Z	11.73	5
90	MP1A	Mx	-.003	5
91	MP1B	X	6.772	2
92	MP1B	Z	11.73	2
93	MP1B	Mx	-.003	2
94	MP1B	X	6.772	5
95	MP1B	Z	11.73	5
96	MP1B	Mx	-.003	5
97	MP1C	X	8.1	2
98	MP1C	Z	14.03	2
99	MP1C	Mx	.008	2
100	MP1C	X	8.1	5
101	MP1C	Z	14.03	5
102	MP1C	Mx	.008	5
103	MP5A	X	6.772	2
104	MP5A	Z	11.73	2
105	MP5A	Mx	-.003	2
106	MP5A	X	6.772	5
107	MP5A	Z	11.73	5
108	MP5A	Mx	-.003	5
109	MP5B	X	6.772	2
110	MP5B	Z	11.73	2
111	MP5B	Mx	-.003	2
112	MP5B	X	6.772	5
113	MP5B	Z	11.73	5
114	MP5B	Mx	-.003	5
115	MP5C	X	8.1	2
116	MP5C	Z	14.03	2
117	MP5C	Mx	.008	2
118	MP5C	X	8.1	5
119	MP5C	Z	14.03	5
120	MP5C	Mx	.008	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1
2	MP3A	Z	37.053	1
3	MP3A	Mx	.025	1
4	MP3A	X	0	6
5	MP3A	Z	37.053	6
6	MP3A	Mx	.025	6
7	MP3B	X	0	1
8	MP3B	Z	28.225	1
9	MP3B	Mx	-.022	1
10	MP3B	X	0	6
11	MP3B	Z	28.225	6
12	MP3B	Mx	-.022	6
13	MP3C	X	0	1
14	MP3C	Z	28.225	1
15	MP3C	Mx	.003	1
16	MP3C	X	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP3C	Z	28.225	6
18	MP3C	Mx	.003	6
19	MP3A	X	0	1
20	MP3A	Z	37.053	1
21	MP3A	Mx	-.025	1
22	MP3A	X	0	6
23	MP3A	Z	37.053	6
24	MP3A	Mx	-.025	6
25	MP3B	X	0	1
26	MP3B	Z	28.225	1
27	MP3B	Mx	-.003	1
28	MP3B	X	0	6
29	MP3B	Z	28.225	6
30	MP3B	Mx	-.003	6
31	MP3C	X	0	1
32	MP3C	Z	28.225	1
33	MP3C	Mx	.022	1
34	MP3C	X	0	6
35	MP3C	Z	28.225	6
36	MP3C	Mx	.022	6
37	MP4A	X	0	2.5
38	MP4A	Z	19.711	2.5
39	MP4A	Mx	0	2.5
40	MP4A	X	0	4.5
41	MP4A	Z	19.711	4.5
42	MP4A	Mx	0	4.5
43	MP4B	X	0	2.5
44	MP4B	Z	11.229	2.5
45	MP4B	Mx	-.005	2.5
46	MP4B	X	0	4.5
47	MP4B	Z	11.229	4.5
48	MP4B	Mx	-.005	4.5
49	MP4C	X	0	2.5
50	MP4C	Z	11.229	2.5
51	MP4C	Mx	.005	2.5
52	MP4C	X	0	4.5
53	MP4C	Z	11.229	4.5
54	MP4C	Mx	.005	4.5
55	MP3A	X	0	2.5
56	MP3A	Z	4.027	2.5
57	MP3A	Mx	0	2.5
58	MP3B	X	0	2.5
59	MP3B	Z	3.274	2.5
60	MP3B	Mx	.001	2.5
61	MP3C	X	0	2.5
62	MP3C	Z	3.274	2.5
63	MP3C	Mx	-.001	2.5
64	M74	X	0	1.5
65	M74	Z	29.37	1.5
66	M74	Mx	0	1.5
67	MP2A	X	0	3.5
68	MP2A	Z	16.569	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP2A	Mx	0	3.5
70	MP2B	X	0	3.5
71	MP2B	Z	12.788	3.5
72	MP2B	Mx	.006	3.5
73	MP2C	X	0	3.5
74	MP2C	Z	12.788	3.5
75	MP2C	Mx	-.006	3.5
76	MP3A	X	0	4.25
77	MP3A	Z	16.569	4.25
78	MP3A	Mx	0	4.25
79	MP3B	X	0	4.25
80	MP3B	Z	11.352	4.25
81	MP3B	Mx	.005	4.25
82	MP3C	X	0	4.25
83	MP3C	Z	11.352	4.25
84	MP3C	Mx	-.005	4.25
85	MP1A	X	0	2
86	MP1A	Z	12.659	2
87	MP1A	Mx	0	2
88	MP1A	X	0	5
89	MP1A	Z	12.659	5
90	MP1A	Mx	0	5
91	MP1B	X	0	2
92	MP1B	Z	15.315	2
93	MP1B	Mx	-.007	2
94	MP1B	X	0	5
95	MP1B	Z	15.315	5
96	MP1B	Mx	-.007	5
97	MP1C	X	0	2
98	MP1C	Z	15.315	2
99	MP1C	Mx	.007	2
100	MP1C	X	0	5
101	MP1C	Z	15.315	5
102	MP1C	Mx	.007	5
103	MP5A	X	0	2
104	MP5A	Z	12.659	2
105	MP5A	Mx	0	2
106	MP5A	X	0	5
107	MP5A	Z	12.659	5
108	MP5A	Mx	0	5
109	MP5B	X	0	2
110	MP5B	Z	15.315	2
111	MP5B	Mx	-.007	2
112	MP5B	X	0	5
113	MP5B	Z	15.315	5
114	MP5B	Mx	-.007	5
115	MP5C	X	0	2
116	MP5C	Z	15.315	2
117	MP5C	Mx	.007	2
118	MP5C	X	0	5
119	MP5C	Z	15.315	5
120	MP5C	Mx	.007	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-17.055	1
2	MP3A	Z	29.54	1
3	MP3A	Mx	.028	1
4	MP3A	X	-17.055	6
5	MP3A	Z	29.54	6
6	MP3A	Mx	.028	6
7	MP3B	X	-12.641	1
8	MP3B	Z	21.895	1
9	MP3B	Mx	-.013	1
10	MP3B	X	-12.641	6
11	MP3B	Z	21.895	6
12	MP3B	Mx	-.013	6
13	MP3C	X	-17.055	1
14	MP3C	Z	29.54	1
15	MP3C	Mx	-.011	1
16	MP3C	X	-17.055	6
17	MP3C	Z	29.54	6
18	MP3C	Mx	-.011	6
19	MP3A	X	-17.055	1
20	MP3A	Z	29.54	1
21	MP3A	Mx	-.011	1
22	MP3A	X	-17.055	6
23	MP3A	Z	29.54	6
24	MP3A	Mx	-.011	6
25	MP3B	X	-12.641	1
26	MP3B	Z	21.895	1
27	MP3B	Mx	-.013	1
28	MP3B	X	-12.641	6
29	MP3B	Z	21.895	6
30	MP3B	Mx	-.013	6
31	MP3C	X	-17.055	1
32	MP3C	Z	29.54	1
33	MP3C	Mx	.028	1
34	MP3C	X	-17.055	6
35	MP3C	Z	29.54	6
36	MP3C	Mx	.028	6
37	MP4A	X	-8.442	2.5
38	MP4A	Z	14.622	2.5
39	MP4A	Mx	.004	2.5
40	MP4A	X	-8.442	4.5
41	MP4A	Z	14.622	4.5
42	MP4A	Mx	.004	4.5
43	MP4B	X	-4.201	2.5
44	MP4B	Z	7.276	2.5
45	MP4B	Mx	-.004	2.5
46	MP4B	X	-4.201	4.5
47	MP4B	Z	7.276	4.5
48	MP4B	Mx	-.004	4.5
49	MP4C	X	-8.442	2.5
50	MP4C	Z	14.622	2.5
51	MP4C	Mx	.004	2.5
52	MP4C	X	-8.442	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP4C	Z	14.622	4.5
54	MP4C	Mx	.004	4.5
55	MP3A	X	-1.888	2.5
56	MP3A	Z	3.27	2.5
57	MP3A	Mx	-.000944	2.5
58	MP3B	X	-1.511	2.5
59	MP3B	Z	2.618	2.5
60	MP3B	Mx	.002	2.5
61	MP3C	X	-1.888	2.5
62	MP3C	Z	3.27	2.5
63	MP3C	Mx	-.000944	2.5
64	M74	X	-12.167	1.5
65	M74	Z	21.074	1.5
66	M74	Mx	0	1.5
67	MP2A	X	-7.654	3.5
68	MP2A	Z	13.258	3.5
69	MP2A	Mx	-.004	3.5
70	MP2B	X	-5.764	3.5
71	MP2B	Z	9.984	3.5
72	MP2B	Mx	.006	3.5
73	MP2C	X	-7.654	3.5
74	MP2C	Z	13.258	3.5
75	MP2C	Mx	-.004	3.5
76	MP3A	X	-7.415	4.25
77	MP3A	Z	12.843	4.25
78	MP3A	Mx	-.004	4.25
79	MP3B	X	-4.806	4.25
80	MP3B	Z	8.325	4.25
81	MP3B	Mx	.005	4.25
82	MP3C	X	-7.415	4.25
83	MP3C	Z	12.843	4.25
84	MP3C	Mx	-.004	4.25
85	MP1A	X	-6.772	2
86	MP1A	Z	11.73	2
87	MP1A	Mx	.003	2
88	MP1A	X	-6.772	5
89	MP1A	Z	11.73	5
90	MP1A	Mx	.003	5
91	MP1B	X	-8.1	2
92	MP1B	Z	14.03	2
93	MP1B	Mx	-.008	2
94	MP1B	X	-8.1	5
95	MP1B	Z	14.03	5
96	MP1B	Mx	-.008	5
97	MP1C	X	-6.772	2
98	MP1C	Z	11.73	2
99	MP1C	Mx	.003	2
100	MP1C	X	-6.772	5
101	MP1C	Z	11.73	5
102	MP1C	Mx	.003	5
103	MP5A	X	-6.772	2
104	MP5A	Z	11.73	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
105	MP5A	Mx	.003	2
106	MP5A	X	-6.772	5
107	MP5A	Z	11.73	5
108	MP5A	Mx	.003	5
109	MP5B	X	-8.1	2
110	MP5B	Z	14.03	2
111	MP5B	Mx	-.008	2
112	MP5B	X	-8.1	5
113	MP5B	Z	14.03	5
114	MP5B	Mx	-.008	5
115	MP5C	X	-6.772	2
116	MP5C	Z	11.73	2
117	MP5C	Mx	.003	2
118	MP5C	X	-6.772	5
119	MP5C	Z	11.73	5
120	MP5C	Mx	.003	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-24.444	1
2	MP3A	Z	14.113	1
3	MP3A	Mx	.022	1
4	MP3A	X	-24.444	6
5	MP3A	Z	14.113	6
6	MP3A	Mx	.022	6
7	MP3B	X	-24.444	1
8	MP3B	Z	14.113	1
9	MP3B	Mx	-.003	1
10	MP3B	X	-24.444	6
11	MP3B	Z	14.113	6
12	MP3B	Mx	-.003	6
13	MP3C	X	-32.089	1
14	MP3C	Z	18.526	1
15	MP3C	Mx	-.025	1
16	MP3C	X	-32.089	6
17	MP3C	Z	18.526	6
18	MP3C	Mx	-.025	6
19	MP3A	X	-24.444	1
20	MP3A	Z	14.113	1
21	MP3A	Mx	.003	1
22	MP3A	X	-24.444	6
23	MP3A	Z	14.113	6
24	MP3A	Mx	.003	6
25	MP3B	X	-24.444	1
26	MP3B	Z	14.113	1
27	MP3B	Mx	-.022	1
28	MP3B	X	-24.444	6
29	MP3B	Z	14.113	6
30	MP3B	Mx	-.022	6
31	MP3C	X	-32.089	1
32	MP3C	Z	18.526	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP3C	Mx	.025	1
34	MP3C	X	-32.089	6
35	MP3C	Z	18.526	6
36	MP3C	Mx	.025	6
37	MP4A	X	-9.725	2.5
38	MP4A	Z	5.615	2.5
39	MP4A	Mx	.005	2.5
40	MP4A	X	-9.725	4.5
41	MP4A	Z	5.615	4.5
42	MP4A	Mx	.005	4.5
43	MP4B	X	-9.725	2.5
44	MP4B	Z	5.615	2.5
45	MP4B	Mx	-.005	2.5
46	MP4B	X	-9.725	4.5
47	MP4B	Z	5.615	4.5
48	MP4B	Mx	-.005	4.5
49	MP4C	X	-17.071	2.5
50	MP4C	Z	9.856	2.5
51	MP4C	Mx	0	2.5
52	MP4C	X	-17.071	4.5
53	MP4C	Z	9.856	4.5
54	MP4C	Mx	0	4.5
55	MP3A	X	-2.835	2.5
56	MP3A	Z	1.637	2.5
57	MP3A	Mx	-.001	2.5
58	MP3B	X	-2.835	2.5
59	MP3B	Z	1.637	2.5
60	MP3B	Mx	.001	2.5
61	MP3C	X	-3.487	2.5
62	MP3C	Z	2.013	2.5
63	MP3C	Mx	0	2.5
64	M74	X	-18.894	1.5
65	M74	Z	10.908	1.5
66	M74	Mx	0	1.5
67	MP2A	X	-11.075	3.5
68	MP2A	Z	6.394	3.5
69	MP2A	Mx	-.006	3.5
70	MP2B	X	-11.075	3.5
71	MP2B	Z	6.394	3.5
72	MP2B	Mx	.006	3.5
73	MP2C	X	-14.349	3.5
74	MP2C	Z	8.284	3.5
75	MP2C	Mx	0	3.5
76	MP3A	X	-9.831	4.25
77	MP3A	Z	5.676	4.25
78	MP3A	Mx	-.005	4.25
79	MP3B	X	-9.831	4.25
80	MP3B	Z	5.676	4.25
81	MP3B	Mx	.005	4.25
82	MP3C	X	-14.349	4.25
83	MP3C	Z	8.284	4.25
84	MP3C	Mx	0	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
85	MP1A	X	-13.263	2
86	MP1A	Z	7.657	2
87	MP1A	Mx	.007	2
88	MP1A	X	-13.263	5
89	MP1A	Z	7.657	5
90	MP1A	Mx	.007	5
91	MP1B	X	-13.263	2
92	MP1B	Z	7.657	2
93	MP1B	Mx	-.007	2
94	MP1B	X	-13.263	5
95	MP1B	Z	7.657	5
96	MP1B	Mx	-.007	5
97	MP1C	X	-10.963	2
98	MP1C	Z	6.329	2
99	MP1C	Mx	0	2
100	MP1C	X	-10.963	5
101	MP1C	Z	6.329	5
102	MP1C	Mx	0	5
103	MP5A	X	-13.263	2
104	MP5A	Z	7.657	2
105	MP5A	Mx	.007	2
106	MP5A	X	-13.263	5
107	MP5A	Z	7.657	5
108	MP5A	Mx	.007	5
109	MP5B	X	-13.263	2
110	MP5B	Z	7.657	2
111	MP5B	Mx	-.007	2
112	MP5B	X	-13.263	5
113	MP5B	Z	7.657	5
114	MP5B	Mx	-.007	5
115	MP5C	X	-10.963	2
116	MP5C	Z	6.329	2
117	MP5C	Mx	0	2
118	MP5C	X	-10.963	5
119	MP5C	Z	6.329	5
120	MP5C	Mx	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-25.283	1
2	MP3A	Z	0	1
3	MP3A	Mx	.013	1
4	MP3A	X	-25.283	6
5	MP3A	Z	0	6
6	MP3A	Mx	.013	6
7	MP3B	X	-34.11	1
8	MP3B	Z	0	1
9	MP3B	Mx	.011	1
10	MP3B	X	-34.11	6
11	MP3B	Z	0	6
12	MP3B	Mx	.011	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP3C	X	-34.11	1
14	MP3C	Z	0	1
15	MP3C	Mx	-.028	1
16	MP3C	X	-34.11	6
17	MP3C	Z	0	6
18	MP3C	Mx	-.028	6
19	MP3A	X	-25.283	1
20	MP3A	Z	0	1
21	MP3A	Mx	.013	1
22	MP3A	X	-25.283	6
23	MP3A	Z	0	6
24	MP3A	Mx	.013	6
25	MP3B	X	-34.11	1
26	MP3B	Z	0	1
27	MP3B	Mx	-.028	1
28	MP3B	X	-34.11	6
29	MP3B	Z	0	6
30	MP3B	Mx	-.028	6
31	MP3C	X	-34.11	1
32	MP3C	Z	0	1
33	MP3C	Mx	.011	1
34	MP3C	X	-34.11	6
35	MP3C	Z	0	6
36	MP3C	Mx	.011	6
37	MP4A	X	-8.402	2.5
38	MP4A	Z	0	2.5
39	MP4A	Mx	.004	2.5
40	MP4A	X	-8.402	4.5
41	MP4A	Z	0	4.5
42	MP4A	Mx	.004	4.5
43	MP4B	X	-16.884	2.5
44	MP4B	Z	0	2.5
45	MP4B	Mx	-.004	2.5
46	MP4B	X	-16.884	4.5
47	MP4B	Z	0	4.5
48	MP4B	Mx	-.004	4.5
49	MP4C	X	-16.884	2.5
50	MP4C	Z	0	2.5
51	MP4C	Mx	-.004	2.5
52	MP4C	X	-16.884	4.5
53	MP4C	Z	0	4.5
54	MP4C	Mx	-.004	4.5
55	MP3A	X	-3.023	2.5
56	MP3A	Z	0	2.5
57	MP3A	Mx	-.002	2.5
58	MP3B	X	-3.776	2.5
59	MP3B	Z	0	2.5
60	MP3B	Mx	.000944	2.5
61	MP3C	X	-3.776	2.5
62	MP3C	Z	0	2.5
63	MP3C	Mx	.000944	2.5
64	M74	X	-24.334	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	M74	Z	0	1.5
66	M74	Mx	0	1.5
67	MP2A	X	-11.528	3.5
68	MP2A	Z	0	3.5
69	MP2A	Mx	-.006	3.5
70	MP2B	X	-15.309	3.5
71	MP2B	Z	0	3.5
72	MP2B	Mx	.004	3.5
73	MP2C	X	-15.309	3.5
74	MP2C	Z	0	3.5
75	MP2C	Mx	.004	3.5
76	MP3A	X	-9.613	4.25
77	MP3A	Z	0	4.25
78	MP3A	Mx	-.005	4.25
79	MP3B	X	-14.83	4.25
80	MP3B	Z	0	4.25
81	MP3B	Mx	.004	4.25
82	MP3C	X	-14.83	4.25
83	MP3C	Z	0	4.25
84	MP3C	Mx	.004	4.25
85	MP1A	X	-16.2	2
86	MP1A	Z	0	2
87	MP1A	Mx	.008	2
88	MP1A	X	-16.2	5
89	MP1A	Z	0	5
90	MP1A	Mx	.008	5
91	MP1B	X	-13.544	2
92	MP1B	Z	0	2
93	MP1B	Mx	-.003	2
94	MP1B	X	-13.544	5
95	MP1B	Z	0	5
96	MP1B	Mx	-.003	5
97	MP1C	X	-13.544	2
98	MP1C	Z	0	2
99	MP1C	Mx	-.003	2
100	MP1C	X	-13.544	5
101	MP1C	Z	0	5
102	MP1C	Mx	-.003	5
103	MP5A	X	-16.2	2
104	MP5A	Z	0	2
105	MP5A	Mx	.008	2
106	MP5A	X	-16.2	5
107	MP5A	Z	0	5
108	MP5A	Mx	.008	5
109	MP5B	X	-13.544	2
110	MP5B	Z	0	2
111	MP5B	Mx	-.003	2
112	MP5B	X	-13.544	5
113	MP5B	Z	0	5
114	MP5B	Mx	-.003	5
115	MP5C	X	-13.544	2
116	MP5C	Z	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
117	MP5C	Mx	-.003	2
118	MP5C	X	-13.544	5
119	MP5C	Z	0	5
120	MP5C	Mx	-.003	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-24.444	1
2	MP3A	Z	-14.113	1
3	MP3A	Mx	.003	1
4	MP3A	X	-24.444	6
5	MP3A	Z	-14.113	6
6	MP3A	Mx	.003	6
7	MP3B	X	-32.089	1
8	MP3B	Z	-18.526	1
9	MP3B	Mx	.025	1
10	MP3B	X	-32.089	6
11	MP3B	Z	-18.526	6
12	MP3B	Mx	.025	6
13	MP3C	X	-24.444	1
14	MP3C	Z	-14.113	1
15	MP3C	Mx	-.022	1
16	MP3C	X	-24.444	6
17	MP3C	Z	-14.113	6
18	MP3C	Mx	-.022	6
19	MP3A	X	-24.444	1
20	MP3A	Z	-14.113	1
21	MP3A	Mx	.022	1
22	MP3A	X	-24.444	6
23	MP3A	Z	-14.113	6
24	MP3A	Mx	.022	6
25	MP3B	X	-32.089	1
26	MP3B	Z	-18.526	1
27	MP3B	Mx	-.025	1
28	MP3B	X	-32.089	6
29	MP3B	Z	-18.526	6
30	MP3B	Mx	-.025	6
31	MP3C	X	-24.444	1
32	MP3C	Z	-14.113	1
33	MP3C	Mx	-.003	1
34	MP3C	X	-24.444	6
35	MP3C	Z	-14.113	6
36	MP3C	Mx	-.003	6
37	MP4A	X	-9.725	2.5
38	MP4A	Z	-5.615	2.5
39	MP4A	Mx	.005	2.5
40	MP4A	X	-9.725	4.5
41	MP4A	Z	-5.615	4.5
42	MP4A	Mx	.005	4.5
43	MP4B	X	-17.071	2.5
44	MP4B	Z	-9.856	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP4B	Mx	0	2.5
46	MP4B	X	-17.071	4.5
47	MP4B	Z	-9.856	4.5
48	MP4B	Mx	0	4.5
49	MP4C	X	-9.725	2.5
50	MP4C	Z	-5.615	2.5
51	MP4C	Mx	-.005	2.5
52	MP4C	X	-9.725	4.5
53	MP4C	Z	-5.615	4.5
54	MP4C	Mx	-.005	4.5
55	MP3A	X	-2.835	2.5
56	MP3A	Z	-1.637	2.5
57	MP3A	Mx	-.001	2.5
58	MP3B	X	-3.487	2.5
59	MP3B	Z	-2.013	2.5
60	MP3B	Mx	0	2.5
61	MP3C	X	-2.835	2.5
62	MP3C	Z	-1.637	2.5
63	MP3C	Mx	.001	2.5
64	M74	X	-25.435	1.5
65	M74	Z	-14.685	1.5
66	M74	Mx	0	1.5
67	MP2A	X	-11.075	3.5
68	MP2A	Z	-6.394	3.5
69	MP2A	Mx	-.006	3.5
70	MP2B	X	-14.349	3.5
71	MP2B	Z	-8.284	3.5
72	MP2B	Mx	0	3.5
73	MP2C	X	-11.075	3.5
74	MP2C	Z	-6.394	3.5
75	MP2C	Mx	.006	3.5
76	MP3A	X	-9.831	4.25
77	MP3A	Z	-5.676	4.25
78	MP3A	Mx	-.005	4.25
79	MP3B	X	-14.349	4.25
80	MP3B	Z	-8.284	4.25
81	MP3B	Mx	0	4.25
82	MP3C	X	-9.831	4.25
83	MP3C	Z	-5.676	4.25
84	MP3C	Mx	.005	4.25
85	MP1A	X	-13.263	2
86	MP1A	Z	-7.657	2
87	MP1A	Mx	.007	2
88	MP1A	X	-13.263	5
89	MP1A	Z	-7.657	5
90	MP1A	Mx	.007	5
91	MP1B	X	-10.963	2
92	MP1B	Z	-6.329	2
93	MP1B	Mx	0	2
94	MP1B	X	-10.963	5
95	MP1B	Z	-6.329	5
96	MP1B	Mx	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
97	MP1C	X	-13.263	2
98	MP1C	Z	-7.657	2
99	MP1C	Mx	-.007	2
100	MP1C	X	-13.263	5
101	MP1C	Z	-7.657	5
102	MP1C	Mx	-.007	5
103	MP5A	X	-13.263	2
104	MP5A	Z	-7.657	2
105	MP5A	Mx	.007	2
106	MP5A	X	-13.263	5
107	MP5A	Z	-7.657	5
108	MP5A	Mx	.007	5
109	MP5B	X	-10.963	2
110	MP5B	Z	-6.329	2
111	MP5B	Mx	0	2
112	MP5B	X	-10.963	5
113	MP5B	Z	-6.329	5
114	MP5B	Mx	0	5
115	MP5C	X	-13.263	2
116	MP5C	Z	-7.657	2
117	MP5C	Mx	-.007	2
118	MP5C	X	-13.263	5
119	MP5C	Z	-7.657	5
120	MP5C	Mx	-.007	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-17.055	1
2	MP3A	Z	-29.54	1
3	MP3A	Mx	-.011	1
4	MP3A	X	-17.055	6
5	MP3A	Z	-29.54	6
6	MP3A	Mx	-.011	6
7	MP3B	X	-17.055	1
8	MP3B	Z	-29.54	1
9	MP3B	Mx	.028	1
10	MP3B	X	-17.055	6
11	MP3B	Z	-29.54	6
12	MP3B	Mx	.028	6
13	MP3C	X	-12.641	1
14	MP3C	Z	-21.895	1
15	MP3C	Mx	-.013	1
16	MP3C	X	-12.641	6
17	MP3C	Z	-21.895	6
18	MP3C	Mx	-.013	6
19	MP3A	X	-17.055	1
20	MP3A	Z	-29.54	1
21	MP3A	Mx	.028	1
22	MP3A	X	-17.055	6
23	MP3A	Z	-29.54	6
24	MP3A	Mx	.028	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP3B	X	-17.055	1
26	MP3B	Z	-29.54	1
27	MP3B	Mx	-.011	1
28	MP3B	X	-17.055	6
29	MP3B	Z	-29.54	6
30	MP3B	Mx	-.011	6
31	MP3C	X	-12.641	1
32	MP3C	Z	-21.895	1
33	MP3C	Mx	-.013	1
34	MP3C	X	-12.641	6
35	MP3C	Z	-21.895	6
36	MP3C	Mx	-.013	6
37	MP4A	X	-8.442	2.5
38	MP4A	Z	-14.622	2.5
39	MP4A	Mx	.004	2.5
40	MP4A	X	-8.442	4.5
41	MP4A	Z	-14.622	4.5
42	MP4A	Mx	.004	4.5
43	MP4B	X	-8.442	2.5
44	MP4B	Z	-14.622	2.5
45	MP4B	Mx	.004	2.5
46	MP4B	X	-8.442	4.5
47	MP4B	Z	-14.622	4.5
48	MP4B	Mx	.004	4.5
49	MP4C	X	-4.201	2.5
50	MP4C	Z	-7.276	2.5
51	MP4C	Mx	-.004	2.5
52	MP4C	X	-4.201	4.5
53	MP4C	Z	-7.276	4.5
54	MP4C	Mx	-.004	4.5
55	MP3A	X	-1.888	2.5
56	MP3A	Z	-3.27	2.5
57	MP3A	Mx	-.000944	2.5
58	MP3B	X	-1.888	2.5
59	MP3B	Z	-3.27	2.5
60	MP3B	Mx	-.000944	2.5
61	MP3C	X	-1.511	2.5
62	MP3C	Z	-2.618	2.5
63	MP3C	Mx	.002	2.5
64	M74	X	-15.944	1.5
65	M74	Z	-27.615	1.5
66	M74	Mx	0	1.5
67	MP2A	X	-7.654	3.5
68	MP2A	Z	-13.258	3.5
69	MP2A	Mx	-.004	3.5
70	MP2B	X	-7.654	3.5
71	MP2B	Z	-13.258	3.5
72	MP2B	Mx	-.004	3.5
73	MP2C	X	-5.764	3.5
74	MP2C	Z	-9.984	3.5
75	MP2C	Mx	.006	3.5
76	MP3A	X	-7.415	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP3A	Z	-12.843	4.25
78	MP3A	Mx	-.004	4.25
79	MP3B	X	-7.415	4.25
80	MP3B	Z	-12.843	4.25
81	MP3B	Mx	-.004	4.25
82	MP3C	X	-4.806	4.25
83	MP3C	Z	-8.325	4.25
84	MP3C	Mx	.005	4.25
85	MP1A	X	-6.772	2
86	MP1A	Z	-11.73	2
87	MP1A	Mx	.003	2
88	MP1A	X	-6.772	5
89	MP1A	Z	-11.73	5
90	MP1A	Mx	.003	5
91	MP1B	X	-6.772	2
92	MP1B	Z	-11.73	2
93	MP1B	Mx	.003	2
94	MP1B	X	-6.772	5
95	MP1B	Z	-11.73	5
96	MP1B	Mx	.003	5
97	MP1C	X	-8.1	2
98	MP1C	Z	-14.03	2
99	MP1C	Mx	-.008	2
100	MP1C	X	-8.1	5
101	MP1C	Z	-14.03	5
102	MP1C	Mx	-.008	5
103	MP5A	X	-6.772	2
104	MP5A	Z	-11.73	2
105	MP5A	Mx	.003	2
106	MP5A	X	-6.772	5
107	MP5A	Z	-11.73	5
108	MP5A	Mx	.003	5
109	MP5B	X	-6.772	2
110	MP5B	Z	-11.73	2
111	MP5B	Mx	.003	2
112	MP5B	X	-6.772	5
113	MP5B	Z	-11.73	5
114	MP5B	Mx	.003	5
115	MP5C	X	-8.1	2
116	MP5C	Z	-14.03	2
117	MP5C	Mx	-.008	2
118	MP5C	X	-8.1	5
119	MP5C	Z	-14.03	5
120	MP5C	Mx	-.008	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1
2	MP3A	Z	-12.164	1
3	MP3A	Mx	-.008	1
4	MP3A	X	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP3A	Z	-12.164	6
6	MP3A	Mx	-.008	6
7	MP3B	X	0	1
8	MP3B	Z	-9.033	1
9	MP3B	Mx	.007	1
10	MP3B	X	0	6
11	MP3B	Z	-9.033	6
12	MP3B	Mx	.007	6
13	MP3C	X	0	1
14	MP3C	Z	-9.033	1
15	MP3C	Mx	-.0009	1
16	MP3C	X	0	6
17	MP3C	Z	-9.033	6
18	MP3C	Mx	-.0009	6
19	MP3A	X	0	1
20	MP3A	Z	-12.164	1
21	MP3A	Mx	.008	1
22	MP3A	X	0	6
23	MP3A	Z	-12.164	6
24	MP3A	Mx	.008	6
25	MP3B	X	0	1
26	MP3B	Z	-9.033	1
27	MP3B	Mx	.0009	1
28	MP3B	X	0	6
29	MP3B	Z	-9.033	6
30	MP3B	Mx	.0009	6
31	MP3C	X	0	1
32	MP3C	Z	-9.033	1
33	MP3C	Mx	-.007	1
34	MP3C	X	0	6
35	MP3C	Z	-9.033	6
36	MP3C	Mx	-.007	6
37	MP4A	X	0	2.5
38	MP4A	Z	-6.276	2.5
39	MP4A	Mx	0	2.5
40	MP4A	X	0	4.5
41	MP4A	Z	-6.276	4.5
42	MP4A	Mx	0	4.5
43	MP4B	X	0	2.5
44	MP4B	Z	-3.412	2.5
45	MP4B	Mx	.001	2.5
46	MP4B	X	0	4.5
47	MP4B	Z	-3.412	4.5
48	MP4B	Mx	.001	4.5
49	MP4C	X	0	2.5
50	MP4C	Z	-3.412	2.5
51	MP4C	Mx	-.001	2.5
52	MP4C	X	0	4.5
53	MP4C	Z	-3.412	4.5
54	MP4C	Mx	-.001	4.5
55	MP3A	X	0	2.5
56	MP3A	Z	-.985	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
57	MP3A	Mx	0	2.5
58	MP3B	X	0	2.5
59	MP3B	Z	-.758	2.5
60	MP3B	Mx	-.000328	2.5
61	MP3C	X	0	2.5
62	MP3C	Z	-.758	2.5
63	MP3C	Mx	.000328	2.5
64	M74	X	0	1.5
65	M74	Z	-9.24	1.5
66	M74	Mx	0	1.5
67	MP2A	X	0	3.5
68	MP2A	Z	-4.98	3.5
69	MP2A	Mx	0	3.5
70	MP2B	X	0	3.5
71	MP2B	Z	-3.741	3.5
72	MP2B	Mx	-.002	3.5
73	MP2C	X	0	3.5
74	MP2C	Z	-3.741	3.5
75	MP2C	Mx	.002	3.5
76	MP3A	X	0	4.25
77	MP3A	Z	-4.98	4.25
78	MP3A	Mx	0	4.25
79	MP3B	X	0	4.25
80	MP3B	Z	-3.267	4.25
81	MP3B	Mx	-.001	4.25
82	MP3C	X	0	4.25
83	MP3C	Z	-3.267	4.25
84	MP3C	Mx	.001	4.25
85	MP1A	X	0	2
86	MP1A	Z	-3.808	2
87	MP1A	Mx	0	2
88	MP1A	X	0	5
89	MP1A	Z	-3.808	5
90	MP1A	Mx	0	5
91	MP1B	X	0	2
92	MP1B	Z	-4.743	2
93	MP1B	Mx	.002	2
94	MP1B	X	0	5
95	MP1B	Z	-4.743	5
96	MP1B	Mx	.002	5
97	MP1C	X	0	2
98	MP1C	Z	-4.743	2
99	MP1C	Mx	-.002	2
100	MP1C	X	0	5
101	MP1C	Z	-4.743	5
102	MP1C	Mx	-.002	5
103	MP5A	X	0	2
104	MP5A	Z	-3.808	2
105	MP5A	Mx	0	2
106	MP5A	X	0	5
107	MP5A	Z	-3.808	5
108	MP5A	Mx	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
109	MP5B	X	0	2
110	MP5B	Z	-4.743	2
111	MP5B	Mx	.002	2
112	MP5B	X	0	5
113	MP5B	Z	-4.743	5
114	MP5B	Mx	.002	5
115	MP5C	X	0	2
116	MP5C	Z	-4.743	2
117	MP5C	Mx	-.002	2
118	MP5C	X	0	5
119	MP5C	Z	-4.743	5
120	MP5C	Mx	-.002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	5.56	1
2	MP3A	Z	-9.631	1
3	MP3A	Mx	-.009	1
4	MP3A	X	5.56	6
5	MP3A	Z	-9.631	6
6	MP3A	Mx	-.009	6
7	MP3B	X	3.995	1
8	MP3B	Z	-6.919	1
9	MP3B	Mx	.004	1
10	MP3B	X	3.995	6
11	MP3B	Z	-6.919	6
12	MP3B	Mx	.004	6
13	MP3C	X	5.56	1
14	MP3C	Z	-9.631	1
15	MP3C	Mx	.004	1
16	MP3C	X	5.56	6
17	MP3C	Z	-9.631	6
18	MP3C	Mx	.004	6
19	MP3A	X	5.56	1
20	MP3A	Z	-9.631	1
21	MP3A	Mx	.004	1
22	MP3A	X	5.56	6
23	MP3A	Z	-9.631	6
24	MP3A	Mx	.004	6
25	MP3B	X	3.995	1
26	MP3B	Z	-6.919	1
27	MP3B	Mx	.004	1
28	MP3B	X	3.995	6
29	MP3B	Z	-6.919	6
30	MP3B	Mx	.004	6
31	MP3C	X	5.56	1
32	MP3C	Z	-9.631	1
33	MP3C	Mx	-.009	1
34	MP3C	X	5.56	6
35	MP3C	Z	-9.631	6
36	MP3C	Mx	-.009	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP4A	X	2.661	2.5
38	MP4A	Z	-4.608	2.5
39	MP4A	Mx	-.001	2.5
40	MP4A	X	2.661	4.5
41	MP4A	Z	-4.608	4.5
42	MP4A	Mx	-.001	4.5
43	MP4B	X	1.228	2.5
44	MP4B	Z	-2.128	2.5
45	MP4B	Mx	.001	2.5
46	MP4B	X	1.228	4.5
47	MP4B	Z	-2.128	4.5
48	MP4B	Mx	.001	4.5
49	MP4C	X	2.661	2.5
50	MP4C	Z	-4.608	2.5
51	MP4C	Mx	-.001	2.5
52	MP4C	X	2.661	4.5
53	MP4C	Z	-4.608	4.5
54	MP4C	Mx	-.001	4.5
55	MP3A	X	.455	2.5
56	MP3A	Z	-.788	2.5
57	MP3A	Mx	.000228	2.5
58	MP3B	X	.341	2.5
59	MP3B	Z	-.59	2.5
60	MP3B	Mx	-.000341	2.5
61	MP3C	X	.455	2.5
62	MP3C	Z	-.788	2.5
63	MP3C	Mx	.000227	2.5
64	M74	X	3.767	1.5
65	M74	Z	-6.524	1.5
66	M74	Mx	0	1.5
67	MP2A	X	2.284	3.5
68	MP2A	Z	-3.955	3.5
69	MP2A	Mx	.001	3.5
70	MP2B	X	1.664	3.5
71	MP2B	Z	-2.883	3.5
72	MP2B	Mx	-.002	3.5
73	MP2C	X	2.284	3.5
74	MP2C	Z	-3.955	3.5
75	MP2C	Mx	.001	3.5
76	MP3A	X	2.204	4.25
77	MP3A	Z	-3.818	4.25
78	MP3A	Mx	.001	4.25
79	MP3B	X	1.348	4.25
80	MP3B	Z	-2.335	4.25
81	MP3B	Mx	-.001	4.25
82	MP3C	X	2.204	4.25
83	MP3C	Z	-3.818	4.25
84	MP3C	Mx	.001	4.25
85	MP1A	X	2.06	2
86	MP1A	Z	-3.568	2
87	MP1A	Mx	-.001	2
88	MP1A	X	2.06	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP1A	Z	-3.568	5
90	MP1A	Mx	-.001	5
91	MP1B	X	2.527	2
92	MP1B	Z	-4.378	2
93	MP1B	Mx	.003	2
94	MP1B	X	2.527	5
95	MP1B	Z	-4.378	5
96	MP1B	Mx	.003	5
97	MP1C	X	2.06	2
98	MP1C	Z	-3.568	2
99	MP1C	Mx	-.001	2
100	MP1C	X	2.06	5
101	MP1C	Z	-3.568	5
102	MP1C	Mx	-.001	5
103	MP5A	X	2.06	2
104	MP5A	Z	-3.568	2
105	MP5A	Mx	-.001	2
106	MP5A	X	2.06	5
107	MP5A	Z	-3.568	5
108	MP5A	Mx	-.001	5
109	MP5B	X	2.527	2
110	MP5B	Z	-4.378	2
111	MP5B	Mx	.003	2
112	MP5B	X	2.527	5
113	MP5B	Z	-4.378	5
114	MP5B	Mx	.003	5
115	MP5C	X	2.06	2
116	MP5C	Z	-3.568	2
117	MP5C	Mx	-.001	2
118	MP5C	X	2.06	5
119	MP5C	Z	-3.568	5
120	MP5C	Mx	-.001	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	7.823	1
2	MP3A	Z	-4.517	1
3	MP3A	Mx	-.007	1
4	MP3A	X	7.823	6
5	MP3A	Z	-4.517	6
6	MP3A	Mx	-.007	6
7	MP3B	X	7.823	1
8	MP3B	Z	-4.517	1
9	MP3B	Mx	.000901	1
10	MP3B	X	7.823	6
11	MP3B	Z	-4.517	6
12	MP3B	Mx	.000901	6
13	MP3C	X	10.535	1
14	MP3C	Z	-6.082	1
15	MP3C	Mx	.008	1
16	MP3C	X	10.535	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP3C	Z	-6.082	6
18	MP3C	Mx	.008	6
19	MP3A	X	7.823	1
20	MP3A	Z	-4.517	1
21	MP3A	Mx	-.0009	1
22	MP3A	X	7.823	6
23	MP3A	Z	-4.517	6
24	MP3A	Mx	-.0009	6
25	MP3B	X	7.823	1
26	MP3B	Z	-4.517	1
27	MP3B	Mx	.007	1
28	MP3B	X	7.823	6
29	MP3B	Z	-4.517	6
30	MP3B	Mx	.007	6
31	MP3C	X	10.535	1
32	MP3C	Z	-6.082	1
33	MP3C	Mx	-.008	1
34	MP3C	X	10.535	6
35	MP3C	Z	-6.082	6
36	MP3C	Mx	-.008	6
37	MP4A	X	2.955	2.5
38	MP4A	Z	-1.706	2.5
39	MP4A	Mx	-.001	2.5
40	MP4A	X	2.955	4.5
41	MP4A	Z	-1.706	4.5
42	MP4A	Mx	-.001	4.5
43	MP4B	X	2.955	2.5
44	MP4B	Z	-1.706	2.5
45	MP4B	Mx	.001	2.5
46	MP4B	X	2.955	4.5
47	MP4B	Z	-1.706	4.5
48	MP4B	Mx	.001	4.5
49	MP4C	X	5.435	2.5
50	MP4C	Z	-3.138	2.5
51	MP4C	Mx	0	2.5
52	MP4C	X	5.435	4.5
53	MP4C	Z	-3.138	4.5
54	MP4C	Mx	0	4.5
55	MP3A	X	.656	2.5
56	MP3A	Z	-.379	2.5
57	MP3A	Mx	.000328	2.5
58	MP3B	X	.656	2.5
59	MP3B	Z	-.379	2.5
60	MP3B	Mx	-.000328	2.5
61	MP3C	X	.853	2.5
62	MP3C	Z	-.493	2.5
63	MP3C	Mx	0	2.5
64	M74	X	5.786	1.5
65	M74	Z	-3.34	1.5
66	M74	Mx	0	1.5
67	MP2A	X	3.24	3.5
68	MP2A	Z	-1.871	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP2A	Mx	.002	3.5
70	MP2B	X	3.24	3.5
71	MP2B	Z	-1.871	3.5
72	MP2B	Mx	-.002	3.5
73	MP2C	X	4.313	3.5
74	MP2C	Z	-2.49	3.5
75	MP2C	Mx	0	3.5
76	MP3A	X	2.829	4.25
77	MP3A	Z	-1.634	4.25
78	MP3A	Mx	.001	4.25
79	MP3B	X	2.829	4.25
80	MP3B	Z	-1.634	4.25
81	MP3B	Mx	-.001	4.25
82	MP3C	X	4.313	4.25
83	MP3C	Z	-2.49	4.25
84	MP3C	Mx	0	4.25
85	MP1A	X	4.108	2
86	MP1A	Z	-2.372	2
87	MP1A	Mx	-.002	2
88	MP1A	X	4.108	5
89	MP1A	Z	-2.372	5
90	MP1A	Mx	-.002	5
91	MP1B	X	4.108	2
92	MP1B	Z	-2.372	2
93	MP1B	Mx	.002	2
94	MP1B	X	4.108	5
95	MP1B	Z	-2.372	5
96	MP1B	Mx	.002	5
97	MP1C	X	3.298	2
98	MP1C	Z	-1.904	2
99	MP1C	Mx	0	2
100	MP1C	X	3.298	5
101	MP1C	Z	-1.904	5
102	MP1C	Mx	0	5
103	MP5A	X	4.108	2
104	MP5A	Z	-2.372	2
105	MP5A	Mx	-.002	2
106	MP5A	X	4.108	5
107	MP5A	Z	-2.372	5
108	MP5A	Mx	-.002	5
109	MP5B	X	4.108	2
110	MP5B	Z	-2.372	2
111	MP5B	Mx	.002	2
112	MP5B	X	4.108	5
113	MP5B	Z	-2.372	5
114	MP5B	Mx	.002	5
115	MP5C	X	3.298	2
116	MP5C	Z	-1.904	2
117	MP5C	Mx	0	2
118	MP5C	X	3.298	5
119	MP5C	Z	-1.904	5
120	MP5C	Mx	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	7.989	1
2	MP3A	Z	0	1
3	MP3A	Mx	-.004	1
4	MP3A	X	7.989	6
5	MP3A	Z	0	6
6	MP3A	Mx	-.004	6
7	MP3B	X	11.121	1
8	MP3B	Z	0	1
9	MP3B	Mx	-.004	1
10	MP3B	X	11.121	6
11	MP3B	Z	0	6
12	MP3B	Mx	-.004	6
13	MP3C	X	11.121	1
14	MP3C	Z	0	1
15	MP3C	Mx	.009	1
16	MP3C	X	11.121	6
17	MP3C	Z	0	6
18	MP3C	Mx	.009	6
19	MP3A	X	7.989	1
20	MP3A	Z	0	1
21	MP3A	Mx	-.004	1
22	MP3A	X	7.989	6
23	MP3A	Z	0	6
24	MP3A	Mx	-.004	6
25	MP3B	X	11.121	1
26	MP3B	Z	0	1
27	MP3B	Mx	.009	1
28	MP3B	X	11.121	6
29	MP3B	Z	0	6
30	MP3B	Mx	.009	6
31	MP3C	X	11.121	1
32	MP3C	Z	0	1
33	MP3C	Mx	-.004	1
34	MP3C	X	11.121	6
35	MP3C	Z	0	6
36	MP3C	Mx	-.004	6
37	MP4A	X	2.457	2.5
38	MP4A	Z	0	2.5
39	MP4A	Mx	-.001	2.5
40	MP4A	X	2.457	4.5
41	MP4A	Z	0	4.5
42	MP4A	Mx	-.001	4.5
43	MP4B	X	5.321	2.5
44	MP4B	Z	0	2.5
45	MP4B	Mx	.001	2.5
46	MP4B	X	5.321	4.5
47	MP4B	Z	0	4.5
48	MP4B	Mx	.001	4.5
49	MP4C	X	5.321	2.5
50	MP4C	Z	0	2.5
51	MP4C	Mx	.001	2.5
52	MP4C	X	5.321	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP4C	Z	0	4.5
54	MP4C	Mx	.001	4.5
55	MP3A	X	.682	2.5
56	MP3A	Z	0	2.5
57	MP3A	Mx	.000341	2.5
58	MP3B	X	.909	2.5
59	MP3B	Z	0	2.5
60	MP3B	Mx	-.000227	2.5
61	MP3C	X	.909	2.5
62	MP3C	Z	0	2.5
63	MP3C	Mx	-.000227	2.5
64	M74	X	7.534	1.5
65	M74	Z	0	1.5
66	M74	Mx	0	1.5
67	MP2A	X	3.329	3.5
68	MP2A	Z	0	3.5
69	MP2A	Mx	.002	3.5
70	MP2B	X	4.567	3.5
71	MP2B	Z	0	3.5
72	MP2B	Mx	-.001	3.5
73	MP2C	X	4.567	3.5
74	MP2C	Z	0	3.5
75	MP2C	Mx	-.001	3.5
76	MP3A	X	2.696	4.25
77	MP3A	Z	0	4.25
78	MP3A	Mx	.001	4.25
79	MP3B	X	4.409	4.25
80	MP3B	Z	0	4.25
81	MP3B	Mx	-.001	4.25
82	MP3C	X	4.409	4.25
83	MP3C	Z	0	4.25
84	MP3C	Mx	-.001	4.25
85	MP1A	X	5.055	2
86	MP1A	Z	0	2
87	MP1A	Mx	-.003	2
88	MP1A	X	5.055	5
89	MP1A	Z	0	5
90	MP1A	Mx	-.003	5
91	MP1B	X	4.12	2
92	MP1B	Z	0	2
93	MP1B	Mx	.001	2
94	MP1B	X	4.12	5
95	MP1B	Z	0	5
96	MP1B	Mx	.001	5
97	MP1C	X	4.12	2
98	MP1C	Z	0	2
99	MP1C	Mx	.001	2
100	MP1C	X	4.12	5
101	MP1C	Z	0	5
102	MP1C	Mx	.001	5
103	MP5A	X	5.055	2
104	MP5A	Z	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
105	MP5A	Mx	-.003	2
106	MP5A	X	5.055	5
107	MP5A	Z	0	5
108	MP5A	Mx	-.003	5
109	MP5B	X	4.12	2
110	MP5B	Z	0	2
111	MP5B	Mx	.001	2
112	MP5B	X	4.12	5
113	MP5B	Z	0	5
114	MP5B	Mx	.001	5
115	MP5C	X	4.12	2
116	MP5C	Z	0	2
117	MP5C	Mx	.001	2
118	MP5C	X	4.12	5
119	MP5C	Z	0	5
120	MP5C	Mx	.001	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	7.823	1
2	MP3A	Z	4.517	1
3	MP3A	Mx	-.0009	1
4	MP3A	X	7.823	6
5	MP3A	Z	4.517	6
6	MP3A	Mx	-.0009	6
7	MP3B	X	10.535	1
8	MP3B	Z	6.082	1
9	MP3B	Mx	-.008	1
10	MP3B	X	10.535	6
11	MP3B	Z	6.082	6
12	MP3B	Mx	-.008	6
13	MP3C	X	7.823	1
14	MP3C	Z	4.517	1
15	MP3C	Mx	.007	1
16	MP3C	X	7.823	6
17	MP3C	Z	4.517	6
18	MP3C	Mx	.007	6
19	MP3A	X	7.823	1
20	MP3A	Z	4.517	1
21	MP3A	Mx	-.007	1
22	MP3A	X	7.823	6
23	MP3A	Z	4.517	6
24	MP3A	Mx	-.007	6
25	MP3B	X	10.535	1
26	MP3B	Z	6.082	1
27	MP3B	Mx	.008	1
28	MP3B	X	10.535	6
29	MP3B	Z	6.082	6
30	MP3B	Mx	.008	6
31	MP3C	X	7.823	1
32	MP3C	Z	4.517	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP3C	Mx	.000901	1
34	MP3C	X	7.823	6
35	MP3C	Z	4.517	6
36	MP3C	Mx	.000901	6
37	MP4A	X	2.955	2.5
38	MP4A	Z	1.706	2.5
39	MP4A	Mx	-.001	2.5
40	MP4A	X	2.955	4.5
41	MP4A	Z	1.706	4.5
42	MP4A	Mx	-.001	4.5
43	MP4B	X	5.435	2.5
44	MP4B	Z	3.138	2.5
45	MP4B	Mx	0	2.5
46	MP4B	X	5.435	4.5
47	MP4B	Z	3.138	4.5
48	MP4B	Mx	0	4.5
49	MP4C	X	2.955	2.5
50	MP4C	Z	1.706	2.5
51	MP4C	Mx	.001	2.5
52	MP4C	X	2.955	4.5
53	MP4C	Z	1.706	4.5
54	MP4C	Mx	.001	4.5
55	MP3A	X	.656	2.5
56	MP3A	Z	.379	2.5
57	MP3A	Mx	.000328	2.5
58	MP3B	X	.853	2.5
59	MP3B	Z	.493	2.5
60	MP3B	Mx	0	2.5
61	MP3C	X	.656	2.5
62	MP3C	Z	.379	2.5
63	MP3C	Mx	-.000328	2.5
64	M74	X	8.002	1.5
65	M74	Z	4.62	1.5
66	M74	Mx	0	1.5
67	MP2A	X	3.24	3.5
68	MP2A	Z	1.871	3.5
69	MP2A	Mx	.002	3.5
70	MP2B	X	4.313	3.5
71	MP2B	Z	2.49	3.5
72	MP2B	Mx	0	3.5
73	MP2C	X	3.24	3.5
74	MP2C	Z	1.871	3.5
75	MP2C	Mx	-.002	3.5
76	MP3A	X	2.829	4.25
77	MP3A	Z	1.634	4.25
78	MP3A	Mx	.001	4.25
79	MP3B	X	4.313	4.25
80	MP3B	Z	2.49	4.25
81	MP3B	Mx	0	4.25
82	MP3C	X	2.829	4.25
83	MP3C	Z	1.634	4.25
84	MP3C	Mx	-.001	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
85	MP1A	X	4.108	2
86	MP1A	Z	2.372	2
87	MP1A	Mx	-.002	2
88	MP1A	X	4.108	5
89	MP1A	Z	2.372	5
90	MP1A	Mx	-.002	5
91	MP1B	X	3.298	2
92	MP1B	Z	1.904	2
93	MP1B	Mx	0	2
94	MP1B	X	3.298	5
95	MP1B	Z	1.904	5
96	MP1B	Mx	0	5
97	MP1C	X	4.108	2
98	MP1C	Z	2.372	2
99	MP1C	Mx	.002	2
100	MP1C	X	4.108	5
101	MP1C	Z	2.372	5
102	MP1C	Mx	.002	5
103	MP5A	X	4.108	2
104	MP5A	Z	2.372	2
105	MP5A	Mx	-.002	2
106	MP5A	X	4.108	5
107	MP5A	Z	2.372	5
108	MP5A	Mx	-.002	5
109	MP5B	X	3.298	2
110	MP5B	Z	1.904	2
111	MP5B	Mx	0	2
112	MP5B	X	3.298	5
113	MP5B	Z	1.904	5
114	MP5B	Mx	0	5
115	MP5C	X	4.108	2
116	MP5C	Z	2.372	2
117	MP5C	Mx	.002	2
118	MP5C	X	4.108	5
119	MP5C	Z	2.372	5
120	MP5C	Mx	.002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	5.56	1
2	MP3A	Z	9.631	1
3	MP3A	Mx	.004	1
4	MP3A	X	5.56	6
5	MP3A	Z	9.631	6
6	MP3A	Mx	.004	6
7	MP3B	X	5.56	1
8	MP3B	Z	9.631	1
9	MP3B	Mx	-.009	1
10	MP3B	X	5.56	6
11	MP3B	Z	9.631	6
12	MP3B	Mx	-.009	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP3C	X	3.995	1
14	MP3C	Z	6.919	1
15	MP3C	Mx	.004	1
16	MP3C	X	3.995	6
17	MP3C	Z	6.919	6
18	MP3C	Mx	.004	6
19	MP3A	X	5.56	1
20	MP3A	Z	9.631	1
21	MP3A	Mx	-.009	1
22	MP3A	X	5.56	6
23	MP3A	Z	9.631	6
24	MP3A	Mx	-.009	6
25	MP3B	X	5.56	1
26	MP3B	Z	9.631	1
27	MP3B	Mx	.004	1
28	MP3B	X	5.56	6
29	MP3B	Z	9.631	6
30	MP3B	Mx	.004	6
31	MP3C	X	3.995	1
32	MP3C	Z	6.919	1
33	MP3C	Mx	.004	1
34	MP3C	X	3.995	6
35	MP3C	Z	6.919	6
36	MP3C	Mx	.004	6
37	MP4A	X	2.661	2.5
38	MP4A	Z	4.608	2.5
39	MP4A	Mx	-.001	2.5
40	MP4A	X	2.661	4.5
41	MP4A	Z	4.608	4.5
42	MP4A	Mx	-.001	4.5
43	MP4B	X	2.661	2.5
44	MP4B	Z	4.608	2.5
45	MP4B	Mx	-.001	2.5
46	MP4B	X	2.661	4.5
47	MP4B	Z	4.608	4.5
48	MP4B	Mx	-.001	4.5
49	MP4C	X	1.228	2.5
50	MP4C	Z	2.128	2.5
51	MP4C	Mx	.001	2.5
52	MP4C	X	1.228	4.5
53	MP4C	Z	2.128	4.5
54	MP4C	Mx	.001	4.5
55	MP3A	X	.455	2.5
56	MP3A	Z	.788	2.5
57	MP3A	Mx	.000228	2.5
58	MP3B	X	.455	2.5
59	MP3B	Z	.788	2.5
60	MP3B	Mx	.000227	2.5
61	MP3C	X	.341	2.5
62	MP3C	Z	.59	2.5
63	MP3C	Mx	-.000341	2.5
64	M74	X	5.046	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	M74	Z	8.741	1.5
66	M74	Mx	0	1.5
67	MP2A	X	2.284	3.5
68	MP2A	Z	3.955	3.5
69	MP2A	Mx	.001	3.5
70	MP2B	X	2.284	3.5
71	MP2B	Z	3.955	3.5
72	MP2B	Mx	.001	3.5
73	MP2C	X	1.664	3.5
74	MP2C	Z	2.883	3.5
75	MP2C	Mx	-.002	3.5
76	MP3A	X	2.204	4.25
77	MP3A	Z	3.818	4.25
78	MP3A	Mx	.001	4.25
79	MP3B	X	2.204	4.25
80	MP3B	Z	3.818	4.25
81	MP3B	Mx	.001	4.25
82	MP3C	X	1.348	4.25
83	MP3C	Z	2.335	4.25
84	MP3C	Mx	-.001	4.25
85	MP1A	X	2.06	2
86	MP1A	Z	3.568	2
87	MP1A	Mx	-.001	2
88	MP1A	X	2.06	5
89	MP1A	Z	3.568	5
90	MP1A	Mx	-.001	5
91	MP1B	X	2.06	2
92	MP1B	Z	3.568	2
93	MP1B	Mx	-.001	2
94	MP1B	X	2.06	5
95	MP1B	Z	3.568	5
96	MP1B	Mx	-.001	5
97	MP1C	X	2.527	2
98	MP1C	Z	4.378	2
99	MP1C	Mx	.003	2
100	MP1C	X	2.527	5
101	MP1C	Z	4.378	5
102	MP1C	Mx	.003	5
103	MP5A	X	2.06	2
104	MP5A	Z	3.568	2
105	MP5A	Mx	-.001	2
106	MP5A	X	2.06	5
107	MP5A	Z	3.568	5
108	MP5A	Mx	-.001	5
109	MP5B	X	2.06	2
110	MP5B	Z	3.568	2
111	MP5B	Mx	-.001	2
112	MP5B	X	2.06	5
113	MP5B	Z	3.568	5
114	MP5B	Mx	-.001	5
115	MP5C	X	2.527	2
116	MP5C	Z	4.378	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
117	MP5C	Mx	.003	2
118	MP5C	X	2.527	5
119	MP5C	Z	4.378	5
120	MP5C	Mx	.003	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1
2	MP3A	Z	12.164	1
3	MP3A	Mx	.008	1
4	MP3A	X	0	6
5	MP3A	Z	12.164	6
6	MP3A	Mx	.008	6
7	MP3B	X	0	1
8	MP3B	Z	9.033	1
9	MP3B	Mx	-.007	1
10	MP3B	X	0	6
11	MP3B	Z	9.033	6
12	MP3B	Mx	-.007	6
13	MP3C	X	0	1
14	MP3C	Z	9.033	1
15	MP3C	Mx	.0009	1
16	MP3C	X	0	6
17	MP3C	Z	9.033	6
18	MP3C	Mx	.0009	6
19	MP3A	X	0	1
20	MP3A	Z	12.164	1
21	MP3A	Mx	-.008	1
22	MP3A	X	0	6
23	MP3A	Z	12.164	6
24	MP3A	Mx	-.008	6
25	MP3B	X	0	1
26	MP3B	Z	9.033	1
27	MP3B	Mx	-.0009	1
28	MP3B	X	0	6
29	MP3B	Z	9.033	6
30	MP3B	Mx	-.0009	6
31	MP3C	X	0	1
32	MP3C	Z	9.033	1
33	MP3C	Mx	.007	1
34	MP3C	X	0	6
35	MP3C	Z	9.033	6
36	MP3C	Mx	.007	6
37	MP4A	X	0	2.5
38	MP4A	Z	6.276	2.5
39	MP4A	Mx	0	2.5
40	MP4A	X	0	4.5
41	MP4A	Z	6.276	4.5
42	MP4A	Mx	0	4.5
43	MP4B	X	0	2.5
44	MP4B	Z	3.412	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP4B	Mx	-.001	2.5
46	MP4B	X	0	4.5
47	MP4B	Z	3.412	4.5
48	MP4B	Mx	-.001	4.5
49	MP4C	X	0	2.5
50	MP4C	Z	3.412	2.5
51	MP4C	Mx	.001	2.5
52	MP4C	X	0	4.5
53	MP4C	Z	3.412	4.5
54	MP4C	Mx	.001	4.5
55	MP3A	X	0	2.5
56	MP3A	Z	.985	2.5
57	MP3A	Mx	0	2.5
58	MP3B	X	0	2.5
59	MP3B	Z	.758	2.5
60	MP3B	Mx	.000328	2.5
61	MP3C	X	0	2.5
62	MP3C	Z	.758	2.5
63	MP3C	Mx	-.000328	2.5
64	M74	X	0	1.5
65	M74	Z	9.24	1.5
66	M74	Mx	0	1.5
67	MP2A	X	0	3.5
68	MP2A	Z	4.98	3.5
69	MP2A	Mx	0	3.5
70	MP2B	X	0	3.5
71	MP2B	Z	3.741	3.5
72	MP2B	Mx	.002	3.5
73	MP2C	X	0	3.5
74	MP2C	Z	3.741	3.5
75	MP2C	Mx	-.002	3.5
76	MP3A	X	0	4.25
77	MP3A	Z	4.98	4.25
78	MP3A	Mx	0	4.25
79	MP3B	X	0	4.25
80	MP3B	Z	3.267	4.25
81	MP3B	Mx	.001	4.25
82	MP3C	X	0	4.25
83	MP3C	Z	3.267	4.25
84	MP3C	Mx	-.001	4.25
85	MP1A	X	0	2
86	MP1A	Z	3.808	2
87	MP1A	Mx	0	2
88	MP1A	X	0	5
89	MP1A	Z	3.808	5
90	MP1A	Mx	0	5
91	MP1B	X	0	2
92	MP1B	Z	4.743	2
93	MP1B	Mx	-.002	2
94	MP1B	X	0	5
95	MP1B	Z	4.743	5
96	MP1B	Mx	-.002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
97	MP1C	X	0	2
98	MP1C	Z	4.743	2
99	MP1C	Mx	.002	2
100	MP1C	X	0	5
101	MP1C	Z	4.743	5
102	MP1C	Mx	.002	5
103	MP5A	X	0	2
104	MP5A	Z	3.808	2
105	MP5A	Mx	0	2
106	MP5A	X	0	5
107	MP5A	Z	3.808	5
108	MP5A	Mx	0	5
109	MP5B	X	0	2
110	MP5B	Z	4.743	2
111	MP5B	Mx	-.002	2
112	MP5B	X	0	5
113	MP5B	Z	4.743	5
114	MP5B	Mx	-.002	5
115	MP5C	X	0	2
116	MP5C	Z	4.743	2
117	MP5C	Mx	.002	2
118	MP5C	X	0	5
119	MP5C	Z	4.743	5
120	MP5C	Mx	.002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-5.56	1
2	MP3A	Z	9.631	1
3	MP3A	Mx	.009	1
4	MP3A	X	-5.56	6
5	MP3A	Z	9.631	6
6	MP3A	Mx	.009	6
7	MP3B	X	-3.995	1
8	MP3B	Z	6.919	1
9	MP3B	Mx	-.004	1
10	MP3B	X	-3.995	6
11	MP3B	Z	6.919	6
12	MP3B	Mx	-.004	6
13	MP3C	X	-5.56	1
14	MP3C	Z	9.631	1
15	MP3C	Mx	-.004	1
16	MP3C	X	-5.56	6
17	MP3C	Z	9.631	6
18	MP3C	Mx	-.004	6
19	MP3A	X	-5.56	1
20	MP3A	Z	9.631	1
21	MP3A	Mx	-.004	1
22	MP3A	X	-5.56	6
23	MP3A	Z	9.631	6
24	MP3A	Mx	-.004	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP3B	X	-3.995	1
26	MP3B	Z	6.919	1
27	MP3B	Mx	-.004	1
28	MP3B	X	-3.995	6
29	MP3B	Z	6.919	6
30	MP3B	Mx	-.004	6
31	MP3C	X	-5.56	1
32	MP3C	Z	9.631	1
33	MP3C	Mx	.009	1
34	MP3C	X	-5.56	6
35	MP3C	Z	9.631	6
36	MP3C	Mx	.009	6
37	MP4A	X	-2.661	2.5
38	MP4A	Z	4.608	2.5
39	MP4A	Mx	.001	2.5
40	MP4A	X	-2.661	4.5
41	MP4A	Z	4.608	4.5
42	MP4A	Mx	.001	4.5
43	MP4B	X	-1.228	2.5
44	MP4B	Z	2.128	2.5
45	MP4B	Mx	-.001	2.5
46	MP4B	X	-1.228	4.5
47	MP4B	Z	2.128	4.5
48	MP4B	Mx	-.001	4.5
49	MP4C	X	-2.661	2.5
50	MP4C	Z	4.608	2.5
51	MP4C	Mx	.001	2.5
52	MP4C	X	-2.661	4.5
53	MP4C	Z	4.608	4.5
54	MP4C	Mx	.001	4.5
55	MP3A	X	-.455	2.5
56	MP3A	Z	.788	2.5
57	MP3A	Mx	-.000228	2.5
58	MP3B	X	-.341	2.5
59	MP3B	Z	.59	2.5
60	MP3B	Mx	.000341	2.5
61	MP3C	X	-.455	2.5
62	MP3C	Z	.788	2.5
63	MP3C	Mx	-.000227	2.5
64	M74	X	-3.767	1.5
65	M74	Z	6.524	1.5
66	M74	Mx	0	1.5
67	MP2A	X	-2.284	3.5
68	MP2A	Z	3.955	3.5
69	MP2A	Mx	-.001	3.5
70	MP2B	X	-1.664	3.5
71	MP2B	Z	2.883	3.5
72	MP2B	Mx	.002	3.5
73	MP2C	X	-2.284	3.5
74	MP2C	Z	3.955	3.5
75	MP2C	Mx	-.001	3.5
76	MP3A	X	-2.204	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP3A	Z	3.818	4.25
78	MP3A	Mx	-.001	4.25
79	MP3B	X	-1.348	4.25
80	MP3B	Z	2.335	4.25
81	MP3B	Mx	.001	4.25
82	MP3C	X	-2.204	4.25
83	MP3C	Z	3.818	4.25
84	MP3C	Mx	-.001	4.25
85	MP1A	X	-2.06	2
86	MP1A	Z	3.568	2
87	MP1A	Mx	.001	2
88	MP1A	X	-2.06	5
89	MP1A	Z	3.568	5
90	MP1A	Mx	.001	5
91	MP1B	X	-2.527	2
92	MP1B	Z	4.378	2
93	MP1B	Mx	-.003	2
94	MP1B	X	-2.527	5
95	MP1B	Z	4.378	5
96	MP1B	Mx	-.003	5
97	MP1C	X	-2.06	2
98	MP1C	Z	3.568	2
99	MP1C	Mx	.001	2
100	MP1C	X	-2.06	5
101	MP1C	Z	3.568	5
102	MP1C	Mx	.001	5
103	MP5A	X	-2.06	2
104	MP5A	Z	3.568	2
105	MP5A	Mx	.001	2
106	MP5A	X	-2.06	5
107	MP5A	Z	3.568	5
108	MP5A	Mx	.001	5
109	MP5B	X	-2.527	2
110	MP5B	Z	4.378	2
111	MP5B	Mx	-.003	2
112	MP5B	X	-2.527	5
113	MP5B	Z	4.378	5
114	MP5B	Mx	-.003	5
115	MP5C	X	-2.06	2
116	MP5C	Z	3.568	2
117	MP5C	Mx	.001	2
118	MP5C	X	-2.06	5
119	MP5C	Z	3.568	5
120	MP5C	Mx	.001	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-7.823	1
2	MP3A	Z	4.517	1
3	MP3A	Mx	.007	1
4	MP3A	X	-7.823	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP3A	Z	4.517	6
6	MP3A	Mx	.007	6
7	MP3B	X	-7.823	1
8	MP3B	Z	4.517	1
9	MP3B	Mx	-.000901	1
10	MP3B	X	-7.823	6
11	MP3B	Z	4.517	6
12	MP3B	Mx	-.000901	6
13	MP3C	X	-10.535	1
14	MP3C	Z	6.082	1
15	MP3C	Mx	-.008	1
16	MP3C	X	-10.535	6
17	MP3C	Z	6.082	6
18	MP3C	Mx	-.008	6
19	MP3A	X	-7.823	1
20	MP3A	Z	4.517	1
21	MP3A	Mx	.0009	1
22	MP3A	X	-7.823	6
23	MP3A	Z	4.517	6
24	MP3A	Mx	.0009	6
25	MP3B	X	-7.823	1
26	MP3B	Z	4.517	1
27	MP3B	Mx	-.007	1
28	MP3B	X	-7.823	6
29	MP3B	Z	4.517	6
30	MP3B	Mx	-.007	6
31	MP3C	X	-10.535	1
32	MP3C	Z	6.082	1
33	MP3C	Mx	.008	1
34	MP3C	X	-10.535	6
35	MP3C	Z	6.082	6
36	MP3C	Mx	.008	6
37	MP4A	X	-2.955	2.5
38	MP4A	Z	1.706	2.5
39	MP4A	Mx	.001	2.5
40	MP4A	X	-2.955	4.5
41	MP4A	Z	1.706	4.5
42	MP4A	Mx	.001	4.5
43	MP4B	X	-2.955	2.5
44	MP4B	Z	1.706	2.5
45	MP4B	Mx	-.001	2.5
46	MP4B	X	-2.955	4.5
47	MP4B	Z	1.706	4.5
48	MP4B	Mx	-.001	4.5
49	MP4C	X	-5.435	2.5
50	MP4C	Z	3.138	2.5
51	MP4C	Mx	0	2.5
52	MP4C	X	-5.435	4.5
53	MP4C	Z	3.138	4.5
54	MP4C	Mx	0	4.5
55	MP3A	X	-.656	2.5
56	MP3A	Z	.379	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
57	MP3A	Mx	-.000328	2.5
58	MP3B	X	-.656	2.5
59	MP3B	Z	.379	2.5
60	MP3B	Mx	.000328	2.5
61	MP3C	X	-.853	2.5
62	MP3C	Z	.493	2.5
63	MP3C	Mx	0	2.5
64	M74	X	-5.786	1.5
65	M74	Z	3.34	1.5
66	M74	Mx	0	1.5
67	MP2A	X	-3.24	3.5
68	MP2A	Z	1.871	3.5
69	MP2A	Mx	-.002	3.5
70	MP2B	X	-3.24	3.5
71	MP2B	Z	1.871	3.5
72	MP2B	Mx	.002	3.5
73	MP2C	X	-4.313	3.5
74	MP2C	Z	2.49	3.5
75	MP2C	Mx	0	3.5
76	MP3A	X	-2.829	4.25
77	MP3A	Z	1.634	4.25
78	MP3A	Mx	-.001	4.25
79	MP3B	X	-2.829	4.25
80	MP3B	Z	1.634	4.25
81	MP3B	Mx	.001	4.25
82	MP3C	X	-4.313	4.25
83	MP3C	Z	2.49	4.25
84	MP3C	Mx	0	4.25
85	MP1A	X	-4.108	2
86	MP1A	Z	2.372	2
87	MP1A	Mx	.002	2
88	MP1A	X	-4.108	5
89	MP1A	Z	2.372	5
90	MP1A	Mx	.002	5
91	MP1B	X	-4.108	2
92	MP1B	Z	2.372	2
93	MP1B	Mx	-.002	2
94	MP1B	X	-4.108	5
95	MP1B	Z	2.372	5
96	MP1B	Mx	-.002	5
97	MP1C	X	-3.298	2
98	MP1C	Z	1.904	2
99	MP1C	Mx	0	2
100	MP1C	X	-3.298	5
101	MP1C	Z	1.904	5
102	MP1C	Mx	0	5
103	MP5A	X	-4.108	2
104	MP5A	Z	2.372	2
105	MP5A	Mx	.002	2
106	MP5A	X	-4.108	5
107	MP5A	Z	2.372	5
108	MP5A	Mx	.002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
109	MP5B	X	-4.108	2
110	MP5B	Z	2.372	2
111	MP5B	Mx	-.002	2
112	MP5B	X	-4.108	5
113	MP5B	Z	2.372	5
114	MP5B	Mx	-.002	5
115	MP5C	X	-3.298	2
116	MP5C	Z	1.904	2
117	MP5C	Mx	0	2
118	MP5C	X	-3.298	5
119	MP5C	Z	1.904	5
120	MP5C	Mx	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-7.989	1
2	MP3A	Z	0	1
3	MP3A	Mx	.004	1
4	MP3A	X	-7.989	6
5	MP3A	Z	0	6
6	MP3A	Mx	.004	6
7	MP3B	X	-11.121	1
8	MP3B	Z	0	1
9	MP3B	Mx	.004	1
10	MP3B	X	-11.121	6
11	MP3B	Z	0	6
12	MP3B	Mx	.004	6
13	MP3C	X	-11.121	1
14	MP3C	Z	0	1
15	MP3C	Mx	-.009	1
16	MP3C	X	-11.121	6
17	MP3C	Z	0	6
18	MP3C	Mx	-.009	6
19	MP3A	X	-7.989	1
20	MP3A	Z	0	1
21	MP3A	Mx	.004	1
22	MP3A	X	-7.989	6
23	MP3A	Z	0	6
24	MP3A	Mx	.004	6
25	MP3B	X	-11.121	1
26	MP3B	Z	0	1
27	MP3B	Mx	-.009	1
28	MP3B	X	-11.121	6
29	MP3B	Z	0	6
30	MP3B	Mx	-.009	6
31	MP3C	X	-11.121	1
32	MP3C	Z	0	1
33	MP3C	Mx	.004	1
34	MP3C	X	-11.121	6
35	MP3C	Z	0	6
36	MP3C	Mx	.004	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP4A	X	-2.457	2.5
38	MP4A	Z	0	2.5
39	MP4A	Mx	.001	2.5
40	MP4A	X	-2.457	4.5
41	MP4A	Z	0	4.5
42	MP4A	Mx	.001	4.5
43	MP4B	X	-5.321	2.5
44	MP4B	Z	0	2.5
45	MP4B	Mx	-.001	2.5
46	MP4B	X	-5.321	4.5
47	MP4B	Z	0	4.5
48	MP4B	Mx	-.001	4.5
49	MP4C	X	-5.321	2.5
50	MP4C	Z	0	2.5
51	MP4C	Mx	-.001	2.5
52	MP4C	X	-5.321	4.5
53	MP4C	Z	0	4.5
54	MP4C	Mx	-.001	4.5
55	MP3A	X	-.682	2.5
56	MP3A	Z	0	2.5
57	MP3A	Mx	-.000341	2.5
58	MP3B	X	-.909	2.5
59	MP3B	Z	0	2.5
60	MP3B	Mx	.000227	2.5
61	MP3C	X	-.909	2.5
62	MP3C	Z	0	2.5
63	MP3C	Mx	.000227	2.5
64	M74	X	-7.534	1.5
65	M74	Z	0	1.5
66	M74	Mx	0	1.5
67	MP2A	X	-3.329	3.5
68	MP2A	Z	0	3.5
69	MP2A	Mx	-.002	3.5
70	MP2B	X	-4.567	3.5
71	MP2B	Z	0	3.5
72	MP2B	Mx	.001	3.5
73	MP2C	X	-4.567	3.5
74	MP2C	Z	0	3.5
75	MP2C	Mx	.001	3.5
76	MP3A	X	-2.696	4.25
77	MP3A	Z	0	4.25
78	MP3A	Mx	-.001	4.25
79	MP3B	X	-4.409	4.25
80	MP3B	Z	0	4.25
81	MP3B	Mx	.001	4.25
82	MP3C	X	-4.409	4.25
83	MP3C	Z	0	4.25
84	MP3C	Mx	.001	4.25
85	MP1A	X	-5.055	2
86	MP1A	Z	0	2
87	MP1A	Mx	.003	2
88	MP1A	X	-5.055	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP1A	Z	0	5
90	MP1A	Mx	.003	5
91	MP1B	X	-4.12	2
92	MP1B	Z	0	2
93	MP1B	Mx	-.001	2
94	MP1B	X	-4.12	5
95	MP1B	Z	0	5
96	MP1B	Mx	-.001	5
97	MP1C	X	-4.12	2
98	MP1C	Z	0	2
99	MP1C	Mx	-.001	2
100	MP1C	X	-4.12	5
101	MP1C	Z	0	5
102	MP1C	Mx	-.001	5
103	MP5A	X	-5.055	2
104	MP5A	Z	0	2
105	MP5A	Mx	.003	2
106	MP5A	X	-5.055	5
107	MP5A	Z	0	5
108	MP5A	Mx	.003	5
109	MP5B	X	-4.12	2
110	MP5B	Z	0	2
111	MP5B	Mx	-.001	2
112	MP5B	X	-4.12	5
113	MP5B	Z	0	5
114	MP5B	Mx	-.001	5
115	MP5C	X	-4.12	2
116	MP5C	Z	0	2
117	MP5C	Mx	-.001	2
118	MP5C	X	-4.12	5
119	MP5C	Z	0	5
120	MP5C	Mx	-.001	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-7.823	1
2	MP3A	Z	-4.517	1
3	MP3A	Mx	.0009	1
4	MP3A	X	-7.823	6
5	MP3A	Z	-4.517	6
6	MP3A	Mx	.0009	6
7	MP3B	X	-10.535	1
8	MP3B	Z	-6.082	1
9	MP3B	Mx	.008	1
10	MP3B	X	-10.535	6
11	MP3B	Z	-6.082	6
12	MP3B	Mx	.008	6
13	MP3C	X	-7.823	1
14	MP3C	Z	-4.517	1
15	MP3C	Mx	-.007	1
16	MP3C	X	-7.823	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP3C	Z	-4.517	6
18	MP3C	Mx	-.007	6
19	MP3A	X	-7.823	1
20	MP3A	Z	-4.517	1
21	MP3A	Mx	.007	1
22	MP3A	X	-7.823	6
23	MP3A	Z	-4.517	6
24	MP3A	Mx	.007	6
25	MP3B	X	-10.535	1
26	MP3B	Z	-6.082	1
27	MP3B	Mx	-.008	1
28	MP3B	X	-10.535	6
29	MP3B	Z	-6.082	6
30	MP3B	Mx	-.008	6
31	MP3C	X	-7.823	1
32	MP3C	Z	-4.517	1
33	MP3C	Mx	-.000901	1
34	MP3C	X	-7.823	6
35	MP3C	Z	-4.517	6
36	MP3C	Mx	-.000901	6
37	MP4A	X	-2.955	2.5
38	MP4A	Z	-1.706	2.5
39	MP4A	Mx	.001	2.5
40	MP4A	X	-2.955	4.5
41	MP4A	Z	-1.706	4.5
42	MP4A	Mx	.001	4.5
43	MP4B	X	-5.435	2.5
44	MP4B	Z	-3.138	2.5
45	MP4B	Mx	0	2.5
46	MP4B	X	-5.435	4.5
47	MP4B	Z	-3.138	4.5
48	MP4B	Mx	0	4.5
49	MP4C	X	-2.955	2.5
50	MP4C	Z	-1.706	2.5
51	MP4C	Mx	-.001	2.5
52	MP4C	X	-2.955	4.5
53	MP4C	Z	-1.706	4.5
54	MP4C	Mx	-.001	4.5
55	MP3A	X	-.656	2.5
56	MP3A	Z	-.379	2.5
57	MP3A	Mx	-.000328	2.5
58	MP3B	X	-.853	2.5
59	MP3B	Z	-.493	2.5
60	MP3B	Mx	0	2.5
61	MP3C	X	-.656	2.5
62	MP3C	Z	-.379	2.5
63	MP3C	Mx	.000328	2.5
64	M74	X	-8.002	1.5
65	M74	Z	-4.62	1.5
66	M74	Mx	0	1.5
67	MP2A	X	-3.24	3.5
68	MP2A	Z	-1.871	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP2A	Mx	-.002	3.5
70	MP2B	X	-4.313	3.5
71	MP2B	Z	-2.49	3.5
72	MP2B	Mx	0	3.5
73	MP2C	X	-3.24	3.5
74	MP2C	Z	-1.871	3.5
75	MP2C	Mx	.002	3.5
76	MP3A	X	-2.829	4.25
77	MP3A	Z	-1.634	4.25
78	MP3A	Mx	-.001	4.25
79	MP3B	X	-4.313	4.25
80	MP3B	Z	-2.49	4.25
81	MP3B	Mx	0	4.25
82	MP3C	X	-2.829	4.25
83	MP3C	Z	-1.634	4.25
84	MP3C	Mx	.001	4.25
85	MP1A	X	-4.108	2
86	MP1A	Z	-2.372	2
87	MP1A	Mx	.002	2
88	MP1A	X	-4.108	5
89	MP1A	Z	-2.372	5
90	MP1A	Mx	.002	5
91	MP1B	X	-3.298	2
92	MP1B	Z	-1.904	2
93	MP1B	Mx	0	2
94	MP1B	X	-3.298	5
95	MP1B	Z	-1.904	5
96	MP1B	Mx	0	5
97	MP1C	X	-4.108	2
98	MP1C	Z	-2.372	2
99	MP1C	Mx	-.002	2
100	MP1C	X	-4.108	5
101	MP1C	Z	-2.372	5
102	MP1C	Mx	-.002	5
103	MP5A	X	-4.108	2
104	MP5A	Z	-2.372	2
105	MP5A	Mx	.002	2
106	MP5A	X	-4.108	5
107	MP5A	Z	-2.372	5
108	MP5A	Mx	.002	5
109	MP5B	X	-3.298	2
110	MP5B	Z	-1.904	2
111	MP5B	Mx	0	2
112	MP5B	X	-3.298	5
113	MP5B	Z	-1.904	5
114	MP5B	Mx	0	5
115	MP5C	X	-4.108	2
116	MP5C	Z	-2.372	2
117	MP5C	Mx	-.002	2
118	MP5C	X	-4.108	5
119	MP5C	Z	-2.372	5
120	MP5C	Mx	-.002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-5.56	1
2	MP3A	Z	-9.631	1
3	MP3A	Mx	-.004	1
4	MP3A	X	-5.56	6
5	MP3A	Z	-9.631	6
6	MP3A	Mx	-.004	6
7	MP3B	X	-5.56	1
8	MP3B	Z	-9.631	1
9	MP3B	Mx	.009	1
10	MP3B	X	-5.56	6
11	MP3B	Z	-9.631	6
12	MP3B	Mx	.009	6
13	MP3C	X	-3.995	1
14	MP3C	Z	-6.919	1
15	MP3C	Mx	-.004	1
16	MP3C	X	-3.995	6
17	MP3C	Z	-6.919	6
18	MP3C	Mx	-.004	6
19	MP3A	X	-5.56	1
20	MP3A	Z	-9.631	1
21	MP3A	Mx	.009	1
22	MP3A	X	-5.56	6
23	MP3A	Z	-9.631	6
24	MP3A	Mx	.009	6
25	MP3B	X	-5.56	1
26	MP3B	Z	-9.631	1
27	MP3B	Mx	-.004	1
28	MP3B	X	-5.56	6
29	MP3B	Z	-9.631	6
30	MP3B	Mx	-.004	6
31	MP3C	X	-3.995	1
32	MP3C	Z	-6.919	1
33	MP3C	Mx	-.004	1
34	MP3C	X	-3.995	6
35	MP3C	Z	-6.919	6
36	MP3C	Mx	-.004	6
37	MP4A	X	-2.661	2.5
38	MP4A	Z	-4.608	2.5
39	MP4A	Mx	.001	2.5
40	MP4A	X	-2.661	4.5
41	MP4A	Z	-4.608	4.5
42	MP4A	Mx	.001	4.5
43	MP4B	X	-2.661	2.5
44	MP4B	Z	-4.608	2.5
45	MP4B	Mx	.001	2.5
46	MP4B	X	-2.661	4.5
47	MP4B	Z	-4.608	4.5
48	MP4B	Mx	.001	4.5
49	MP4C	X	-1.228	2.5
50	MP4C	Z	-2.128	2.5
51	MP4C	Mx	-.001	2.5
52	MP4C	X	-1.228	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP4C	Z	-2.128	4.5
54	MP4C	Mx	-.001	4.5
55	MP3A	X	-.455	2.5
56	MP3A	Z	-.788	2.5
57	MP3A	Mx	-.000228	2.5
58	MP3B	X	-.455	2.5
59	MP3B	Z	-.788	2.5
60	MP3B	Mx	-.000227	2.5
61	MP3C	X	-.341	2.5
62	MP3C	Z	-.59	2.5
63	MP3C	Mx	.000341	2.5
64	M74	X	-5.046	1.5
65	M74	Z	-8.741	1.5
66	M74	Mx	0	1.5
67	MP2A	X	-2.284	3.5
68	MP2A	Z	-3.955	3.5
69	MP2A	Mx	-.001	3.5
70	MP2B	X	-2.284	3.5
71	MP2B	Z	-3.955	3.5
72	MP2B	Mx	-.001	3.5
73	MP2C	X	-1.664	3.5
74	MP2C	Z	-2.883	3.5
75	MP2C	Mx	.002	3.5
76	MP3A	X	-2.204	4.25
77	MP3A	Z	-3.818	4.25
78	MP3A	Mx	-.001	4.25
79	MP3B	X	-2.204	4.25
80	MP3B	Z	-3.818	4.25
81	MP3B	Mx	-.001	4.25
82	MP3C	X	-1.348	4.25
83	MP3C	Z	-2.335	4.25
84	MP3C	Mx	.001	4.25
85	MP1A	X	-2.06	2
86	MP1A	Z	-3.568	2
87	MP1A	Mx	.001	2
88	MP1A	X	-2.06	5
89	MP1A	Z	-3.568	5
90	MP1A	Mx	.001	5
91	MP1B	X	-2.06	2
92	MP1B	Z	-3.568	2
93	MP1B	Mx	.001	2
94	MP1B	X	-2.06	5
95	MP1B	Z	-3.568	5
96	MP1B	Mx	.001	5
97	MP1C	X	-2.527	2
98	MP1C	Z	-4.378	2
99	MP1C	Mx	-.003	2
100	MP1C	X	-2.527	5
101	MP1C	Z	-4.378	5
102	MP1C	Mx	-.003	5
103	MP5A	X	-2.06	2
104	MP5A	Z	-3.568	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
105	MP5A	Mx	.001	2
106	MP5A	X	-2.06	5
107	MP5A	Z	-3.568	5
108	MP5A	Mx	.001	5
109	MP5B	X	-2.06	2
110	MP5B	Z	-3.568	2
111	MP5B	Mx	.001	2
112	MP5B	X	-2.06	5
113	MP5B	Z	-3.568	5
114	MP5B	Mx	.001	5
115	MP5C	X	-2.527	2
116	MP5C	Z	-4.378	2
117	MP5C	Mx	-.003	2
118	MP5C	X	-2.527	5
119	MP5C	Z	-4.378	5
120	MP5C	Mx	-.003	5

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M19	Y	-500	%20

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M19	Y	-500	%56

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M19	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M19	Y	-250	%50

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-9.672	-9.672	0	%100
2	M4	Y	-10.188	-10.188	0	%100
3	M7	Y	-5.936	-5.936	0	%100
4	M7A	Y	-9.672	-9.672	0	%100
5	M8	Y	-5.936	-5.936	0	%100
6	M7B	Y	-9.672	-9.672	0	%100
7	M9	Y	-10.188	-10.188	0	%100
8	M10	Y	-5.936	-5.936	0	%100
9	M11	Y	-9.672	-9.672	0	%100
10	M12	Y	-5.936	-5.936	0	%100
11	M13	Y	-9.672	-9.672	0	%100
12	M15	Y	-10.188	-10.188	0	%100
13	M16	Y	-5.936	-5.936	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
14	M17	Y	-9.672	-9.672	0	%100
15	M18	Y	-5.936	-5.936	0	%100
16	M19	Y	-9.162	-9.162	0	%100
17	M20	Y	-9.162	-9.162	0	%100
18	M21	Y	-9.162	-9.162	0	%100
19	M22	Y	-5.726	-5.726	0	%100
20	MP1A	Y	-5.016	-5.016	0	%100
21	MP2A	Y	-5.016	-5.016	0	%100
22	MP4A	Y	-5.016	-5.016	0	%100
23	MP5A	Y	-5.016	-5.016	0	%100
24	MP3A	Y	-5.726	-5.726	0	%100
25	MP1C	Y	-5.016	-5.016	0	%100
26	MP2C	Y	-5.016	-5.016	0	%100
27	MP4C	Y	-5.016	-5.016	0	%100
28	MP5C	Y	-5.016	-5.016	0	%100
29	MP3C	Y	-5.726	-5.726	0	%100
30	MP1B	Y	-5.016	-5.016	0	%100
31	MP2B	Y	-5.016	-5.016	0	%100
32	MP4B	Y	-5.016	-5.016	0	%100
33	MP5B	Y	-5.016	-5.016	0	%100
34	MP3B	Y	-5.726	-5.726	0	%100
35	M74	Y	-5.016	-5.016	0	%100
36	M70A	Y	-5.726	-5.726	0	%100
37	M71A	Y	-5.726	-5.726	0	%100
38	M78	Y	-7.666	-7.666	0	%100
39	M79	Y	-7.666	-7.666	0	%100
40	M80	Y	-7.666	-7.666	0	%100
41	M81	Y	-10.691	-10.691	0	%100
42	M82	Y	-10.691	-10.691	0	%100
43	M83	Y	-10.691	-10.691	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	-2.064	-2.064	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	-12.36	-12.36	0	%100
7	M7A	X	0	0	0	%100
8	M7A	Z	-24.131	-24.131	0	%100
9	M8	X	0	0	0	%100
10	M8	Z	-12.36	-12.36	0	%100
11	M7B	X	0	0	0	%100
12	M7B	Z	-11.623	-11.623	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	-.516	-.516	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	-3.09	-3.09	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	-6.033	-6.033	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
19	M12	X	0	0	0	%100
20	M12	Z	-3.09	-3.09	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	-11.623	-11.623	0	%100
23	M15	X	0	0	0	%100
24	M15	Z	-.516	-.516	0	%100
25	M16	X	0	0	0	%100
26	M16	Z	-3.09	-3.09	0	%100
27	M17	X	0	0	0	%100
28	M17	Z	-6.033	-6.033	0	%100
29	M18	X	0	0	0	%100
30	M18	Z	-3.09	-3.09	0	%100
31	M19	X	0	0	0	%100
32	M19	Z	-34.333	-34.333	0	%100
33	M20	X	0	0	0	%100
34	M20	Z	-8.583	-8.583	0	%100
35	M21	X	0	0	0	%100
36	M21	Z	-8.583	-8.583	0	%100
37	M22	X	0	0	0	%100
38	M22	Z	-11.845	-11.845	0	%100
39	MP1A	X	0	0	0	%100
40	MP1A	Z	-9.785	-9.785	0	%100
41	MP2A	X	0	0	0	%100
42	MP2A	Z	-9.785	-9.785	0	%100
43	MP4A	X	0	0	0	%100
44	MP4A	Z	-9.785	-9.785	0	%100
45	MP5A	X	0	0	0	%100
46	MP5A	Z	-9.785	-9.785	0	%100
47	MP3A	X	0	0	0	%100
48	MP3A	Z	-11.845	-11.845	0	%100
49	MP1C	X	0	0	0	%100
50	MP1C	Z	-9.785	-9.785	0	%100
51	MP2C	X	0	0	0	%100
52	MP2C	Z	-9.785	-9.785	0	%100
53	MP4C	X	0	0	0	%100
54	MP4C	Z	-9.785	-9.785	0	%100
55	MP5C	X	0	0	0	%100
56	MP5C	Z	-9.785	-9.785	0	%100
57	MP3C	X	0	0	0	%100
58	MP3C	Z	-11.845	-11.845	0	%100
59	MP1B	X	0	0	0	%100
60	MP1B	Z	-9.785	-9.785	0	%100
61	MP2B	X	0	0	0	%100
62	MP2B	Z	-9.785	-9.785	0	%100
63	MP4B	X	0	0	0	%100
64	MP4B	Z	-9.785	-9.785	0	%100
65	MP5B	X	0	0	0	%100
66	MP5B	Z	-9.785	-9.785	0	%100
67	MP3B	X	0	0	0	%100
68	MP3B	Z	-11.845	-11.845	0	%100
69	M74	X	0	0	0	%100
70	M74	Z	-8.001	-8.001	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
71	M70A	X	0	0	0	%100
72	M70A	Z	-2.961	-2.961	0	%100
73	M71A	X	0	0	0	%100
74	M71A	Z	-2.961	-2.961	0	%100
75	M78	X	0	0	0	%100
76	M78	Z	-3.541	-3.541	0	%100
77	M79	X	0	0	0	%100
78	M79	Z	-14.165	-14.165	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	-3.541	-3.541	0	%100
81	M81	X	0	0	0	%100
82	M81	Z	-11.391	-11.391	0	%100
83	M82	X	0	0	0	%100
84	M82	Z	-17.079	-17.079	0	%100
85	M83	X	0	0	0	%100
86	M83	Z	-17.079	-17.079	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.937	1.937	0	%100
2	M1	Z	-3.355	-3.355	0	%100
3	M4	X	.774	.774	0	%100
4	M4	Z	-1.341	-1.341	0	%100
5	M7	X	4.635	4.635	0	%100
6	M7	Z	-8.028	-8.028	0	%100
7	M7A	X	9.049	9.049	0	%100
8	M7A	Z	-15.674	-15.674	0	%100
9	M8	X	4.635	4.635	0	%100
10	M8	Z	-8.028	-8.028	0	%100
11	M7B	X	1.937	1.937	0	%100
12	M7B	Z	-3.355	-3.355	0	%100
13	M9	X	.774	.774	0	%100
14	M9	Z	-1.341	-1.341	0	%100
15	M10	X	4.635	4.635	0	%100
16	M10	Z	-8.028	-8.028	0	%100
17	M11	X	9.049	9.049	0	%100
18	M11	Z	-15.674	-15.674	0	%100
19	M12	X	4.635	4.635	0	%100
20	M12	Z	-8.028	-8.028	0	%100
21	M13	X	7.749	7.749	0	%100
22	M13	Z	-13.421	-13.421	0	%100
23	M15	X	0	0	0	%100
24	M15	Z	0	0	0	%100
25	M16	X	0	0	0	%100
26	M16	Z	0	0	0	%100
27	M17	X	0	0	0	%100
28	M17	Z	0	0	0	%100
29	M18	X	0	0	0	%100
30	M18	Z	0	0	0	%100
31	M19	X	12.875	12.875	0	%100
32	M19	Z	-22.3	-22.3	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
33	M20	X	12.875	12.875	0	%100
34	M20	Z	-22.3	-22.3	0	%100
35	M21	X	0	0	0	%100
36	M21	Z	0	0	0	%100
37	M22	X	4.442	4.442	0	%100
38	M22	Z	-7.693	-7.693	0	%100
39	MP1A	X	4.892	4.892	0	%100
40	MP1A	Z	-8.474	-8.474	0	%100
41	MP2A	X	4.892	4.892	0	%100
42	MP2A	Z	-8.474	-8.474	0	%100
43	MP4A	X	4.892	4.892	0	%100
44	MP4A	Z	-8.474	-8.474	0	%100
45	MP5A	X	4.892	4.892	0	%100
46	MP5A	Z	-8.474	-8.474	0	%100
47	MP3A	X	5.922	5.922	0	%100
48	MP3A	Z	-10.258	-10.258	0	%100
49	MP1C	X	4.892	4.892	0	%100
50	MP1C	Z	-8.474	-8.474	0	%100
51	MP2C	X	4.892	4.892	0	%100
52	MP2C	Z	-8.474	-8.474	0	%100
53	MP4C	X	4.892	4.892	0	%100
54	MP4C	Z	-8.474	-8.474	0	%100
55	MP5C	X	4.892	4.892	0	%100
56	MP5C	Z	-8.474	-8.474	0	%100
57	MP3C	X	5.922	5.922	0	%100
58	MP3C	Z	-10.258	-10.258	0	%100
59	MP1B	X	4.892	4.892	0	%100
60	MP1B	Z	-8.474	-8.474	0	%100
61	MP2B	X	4.892	4.892	0	%100
62	MP2B	Z	-8.474	-8.474	0	%100
63	MP4B	X	4.892	4.892	0	%100
64	MP4B	Z	-8.474	-8.474	0	%100
65	MP5B	X	4.892	4.892	0	%100
66	MP5B	Z	-8.474	-8.474	0	%100
67	MP3B	X	5.922	5.922	0	%100
68	MP3B	Z	-10.258	-10.258	0	%100
69	M74	X	4.001	4.001	0	%100
70	M74	Z	-6.929	-6.929	0	%100
71	M70A	X	4.442	4.442	0	%100
72	M70A	Z	-7.693	-7.693	0	%100
73	M71A	X	0	0	0	%100
74	M71A	Z	0	0	0	%100
75	M78	X	5.312	5.312	0	%100
76	M78	Z	-9.2	-9.2	0	%100
77	M79	X	5.312	5.312	0	%100
78	M79	Z	-9.2	-9.2	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	0	0	0	%100
81	M81	X	6.643	6.643	0	%100
82	M81	Z	-11.507	-11.507	0	%100
83	M82	X	6.643	6.643	0	%100
84	M82	Z	-11.507	-11.507	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
85	M83	X	9.487	9.487	0	%100
86	M83	Z	-16.433	-16.433	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	10.066	10.066	0	%100
2	M1	Z	-5.812	-5.812	0	%100
3	M4	X	.447	.447	0	%100
4	M4	Z	-.258	-.258	0	%100
5	M7	X	2.676	2.676	0	%100
6	M7	Z	-1.545	-1.545	0	%100
7	M7A	X	5.225	5.225	0	%100
8	M7A	Z	-3.016	-3.016	0	%100
9	M8	X	2.676	2.676	0	%100
10	M8	Z	-1.545	-1.545	0	%100
11	M7B	X	0	0	0	%100
12	M7B	Z	0	0	0	%100
13	M9	X	1.787	1.787	0	%100
14	M9	Z	-1.032	-1.032	0	%100
15	M10	X	10.704	10.704	0	%100
16	M10	Z	-6.18	-6.18	0	%100
17	M11	X	20.898	20.898	0	%100
18	M11	Z	-12.066	-12.066	0	%100
19	M12	X	10.704	10.704	0	%100
20	M12	Z	-6.18	-6.18	0	%100
21	M13	X	10.066	10.066	0	%100
22	M13	Z	-5.812	-5.812	0	%100
23	M15	X	.447	.447	0	%100
24	M15	Z	-.258	-.258	0	%100
25	M16	X	2.676	2.676	0	%100
26	M16	Z	-1.545	-1.545	0	%100
27	M17	X	5.225	5.225	0	%100
28	M17	Z	-3.016	-3.016	0	%100
29	M18	X	2.676	2.676	0	%100
30	M18	Z	-1.545	-1.545	0	%100
31	M19	X	7.433	7.433	0	%100
32	M19	Z	-4.292	-4.292	0	%100
33	M20	X	29.733	29.733	0	%100
34	M20	Z	-17.166	-17.166	0	%100
35	M21	X	7.433	7.433	0	%100
36	M21	Z	-4.292	-4.292	0	%100
37	M22	X	2.564	2.564	0	%100
38	M22	Z	-1.481	-1.481	0	%100
39	MP1A	X	8.474	8.474	0	%100
40	MP1A	Z	-4.892	-4.892	0	%100
41	MP2A	X	8.474	8.474	0	%100
42	MP2A	Z	-4.892	-4.892	0	%100
43	MP4A	X	8.474	8.474	0	%100
44	MP4A	Z	-4.892	-4.892	0	%100
45	MP5A	X	8.474	8.474	0	%100
46	MP5A	Z	-4.892	-4.892	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
47	MP3A	X	10.258	10.258	0	%100
48	MP3A	Z	-5.922	-5.922	0	%100
49	MP1C	X	8.474	8.474	0	%100
50	MP1C	Z	-4.892	-4.892	0	%100
51	MP2C	X	8.474	8.474	0	%100
52	MP2C	Z	-4.892	-4.892	0	%100
53	MP4C	X	8.474	8.474	0	%100
54	MP4C	Z	-4.892	-4.892	0	%100
55	MP5C	X	8.474	8.474	0	%100
56	MP5C	Z	-4.892	-4.892	0	%100
57	MP3C	X	10.258	10.258	0	%100
58	MP3C	Z	-5.922	-5.922	0	%100
59	MP1B	X	8.474	8.474	0	%100
60	MP1B	Z	-4.892	-4.892	0	%100
61	MP2B	X	8.474	8.474	0	%100
62	MP2B	Z	-4.892	-4.892	0	%100
63	MP4B	X	8.474	8.474	0	%100
64	MP4B	Z	-4.892	-4.892	0	%100
65	MP5B	X	8.474	8.474	0	%100
66	MP5B	Z	-4.892	-4.892	0	%100
67	MP3B	X	10.258	10.258	0	%100
68	MP3B	Z	-5.922	-5.922	0	%100
69	M74	X	6.929	6.929	0	%100
70	M74	Z	-4.001	-4.001	0	%100
71	M70A	X	10.258	10.258	0	%100
72	M70A	Z	-5.922	-5.922	0	%100
73	M71A	X	2.564	2.564	0	%100
74	M71A	Z	-1.481	-1.481	0	%100
75	M78	X	12.267	12.267	0	%100
76	M78	Z	-7.083	-7.083	0	%100
77	M79	X	3.067	3.067	0	%100
78	M79	Z	-1.771	-1.771	0	%100
79	M80	X	3.067	3.067	0	%100
80	M80	Z	-1.771	-1.771	0	%100
81	M81	X	14.791	14.791	0	%100
82	M81	Z	-8.539	-8.539	0	%100
83	M82	X	9.865	9.865	0	%100
84	M82	Z	-5.695	-5.695	0	%100
85	M83	X	14.791	14.791	0	%100
86	M83	Z	-8.539	-8.539	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	15.497	15.497	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	0	0	0	%100
7	M7A	X	0	0	0	%100
8	M7A	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,...	Start Location[ft,%]	End Location[ft,%]
9	M8	X	0	0	0	%100
10	M8	Z	0	0	0	%100
11	M7B	X	3.874	3.874	0	%100
12	M7B	Z	0	0	0	%100
13	M9	X	1.548	1.548	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	9.27	9.27	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	18.098	18.098	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	9.27	9.27	0	%100
20	M12	Z	0	0	0	%100
21	M13	X	3.874	3.874	0	%100
22	M13	Z	0	0	0	%100
23	M15	X	1.548	1.548	0	%100
24	M15	Z	0	0	0	%100
25	M16	X	9.27	9.27	0	%100
26	M16	Z	0	0	0	%100
27	M17	X	18.098	18.098	0	%100
28	M17	Z	0	0	0	%100
29	M18	X	9.27	9.27	0	%100
30	M18	Z	0	0	0	%100
31	M19	X	0	0	0	%100
32	M19	Z	0	0	0	%100
33	M20	X	25.75	25.75	0	%100
34	M20	Z	0	0	0	%100
35	M21	X	25.75	25.75	0	%100
36	M21	Z	0	0	0	%100
37	M22	X	0	0	0	%100
38	M22	Z	0	0	0	%100
39	MP1A	X	9.785	9.785	0	%100
40	MP1A	Z	0	0	0	%100
41	MP2A	X	9.785	9.785	0	%100
42	MP2A	Z	0	0	0	%100
43	MP4A	X	9.785	9.785	0	%100
44	MP4A	Z	0	0	0	%100
45	MP5A	X	9.785	9.785	0	%100
46	MP5A	Z	0	0	0	%100
47	MP3A	X	11.845	11.845	0	%100
48	MP3A	Z	0	0	0	%100
49	MP1C	X	9.785	9.785	0	%100
50	MP1C	Z	0	0	0	%100
51	MP2C	X	9.785	9.785	0	%100
52	MP2C	Z	0	0	0	%100
53	MP4C	X	9.785	9.785	0	%100
54	MP4C	Z	0	0	0	%100
55	MP5C	X	9.785	9.785	0	%100
56	MP5C	Z	0	0	0	%100
57	MP3C	X	11.845	11.845	0	%100
58	MP3C	Z	0	0	0	%100
59	MP1B	X	9.785	9.785	0	%100
60	MP1B	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,...	Start Location[ft,%]	End Location[ft,%]
61	MP2B	X	9.785	9.785	0	%100
62	MP2B	Z	0	0	0	%100
63	MP4B	X	9.785	9.785	0	%100
64	MP4B	Z	0	0	0	%100
65	MP5B	X	9.785	9.785	0	%100
66	MP5B	Z	0	0	0	%100
67	MP3B	X	11.845	11.845	0	%100
68	MP3B	Z	0	0	0	%100
69	M74	X	8.001	8.001	0	%100
70	M74	Z	0	0	0	%100
71	M70A	X	8.884	8.884	0	%100
72	M70A	Z	0	0	0	%100
73	M71A	X	8.884	8.884	0	%100
74	M71A	Z	0	0	0	%100
75	M78	X	10.624	10.624	0	%100
76	M78	Z	0	0	0	%100
77	M79	X	0	0	0	%100
78	M79	Z	0	0	0	%100
79	M80	X	10.624	10.624	0	%100
80	M80	Z	0	0	0	%100
81	M81	X	18.975	18.975	0	%100
82	M81	Z	0	0	0	%100
83	M82	X	13.287	13.287	0	%100
84	M82	Z	0	0	0	%100
85	M83	X	13.287	13.287	0	%100
86	M83	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,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	10.066	10.066	0	%100
2	M1	Z	5.812	5.812	0	%100
3	M4	X	.447	.447	0	%100
4	M4	Z	.258	.258	0	%100
5	M7	X	2.676	2.676	0	%100
6	M7	Z	1.545	1.545	0	%100
7	M7A	X	5.225	5.225	0	%100
8	M7A	Z	3.016	3.016	0	%100
9	M8	X	2.676	2.676	0	%100
10	M8	Z	1.545	1.545	0	%100
11	M7B	X	10.066	10.066	0	%100
12	M7B	Z	5.812	5.812	0	%100
13	M9	X	.447	.447	0	%100
14	M9	Z	.258	.258	0	%100
15	M10	X	2.676	2.676	0	%100
16	M10	Z	1.545	1.545	0	%100
17	M11	X	5.225	5.225	0	%100
18	M11	Z	3.016	3.016	0	%100
19	M12	X	2.676	2.676	0	%100
20	M12	Z	1.545	1.545	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
23	M15	X	1.787	1.787	0	%100
24	M15	Z	1.032	1.032	0	%100
25	M16	X	10.704	10.704	0	%100
26	M16	Z	6.18	6.18	0	%100
27	M17	X	20.898	20.898	0	%100
28	M17	Z	12.066	12.066	0	%100
29	M18	X	10.704	10.704	0	%100
30	M18	Z	6.18	6.18	0	%100
31	M19	X	7.433	7.433	0	%100
32	M19	Z	4.292	4.292	0	%100
33	M20	X	7.433	7.433	0	%100
34	M20	Z	4.292	4.292	0	%100
35	M21	X	29.733	29.733	0	%100
36	M21	Z	17.166	17.166	0	%100
37	M22	X	2.564	2.564	0	%100
38	M22	Z	1.481	1.481	0	%100
39	MP1A	X	8.474	8.474	0	%100
40	MP1A	Z	4.892	4.892	0	%100
41	MP2A	X	8.474	8.474	0	%100
42	MP2A	Z	4.892	4.892	0	%100
43	MP4A	X	8.474	8.474	0	%100
44	MP4A	Z	4.892	4.892	0	%100
45	MP5A	X	8.474	8.474	0	%100
46	MP5A	Z	4.892	4.892	0	%100
47	MP3A	X	10.258	10.258	0	%100
48	MP3A	Z	5.922	5.922	0	%100
49	MP1C	X	8.474	8.474	0	%100
50	MP1C	Z	4.892	4.892	0	%100
51	MP2C	X	8.474	8.474	0	%100
52	MP2C	Z	4.892	4.892	0	%100
53	MP4C	X	8.474	8.474	0	%100
54	MP4C	Z	4.892	4.892	0	%100
55	MP5C	X	8.474	8.474	0	%100
56	MP5C	Z	4.892	4.892	0	%100
57	MP3C	X	10.258	10.258	0	%100
58	MP3C	Z	5.922	5.922	0	%100
59	MP1B	X	8.474	8.474	0	%100
60	MP1B	Z	4.892	4.892	0	%100
61	MP2B	X	8.474	8.474	0	%100
62	MP2B	Z	4.892	4.892	0	%100
63	MP4B	X	8.474	8.474	0	%100
64	MP4B	Z	4.892	4.892	0	%100
65	MP5B	X	8.474	8.474	0	%100
66	MP5B	Z	4.892	4.892	0	%100
67	MP3B	X	10.258	10.258	0	%100
68	MP3B	Z	5.922	5.922	0	%100
69	M74	X	6.929	6.929	0	%100
70	M74	Z	4.001	4.001	0	%100
71	M70A	X	2.564	2.564	0	%100
72	M70A	Z	1.481	1.481	0	%100
73	M71A	X	10.258	10.258	0	%100
74	M71A	Z	5.922	5.922	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
75	M78	X	3.067	3.067	0	%100
76	M78	Z	1.771	1.771	0	%100
77	M79	X	3.067	3.067	0	%100
78	M79	Z	1.771	1.771	0	%100
79	M80	X	12.267	12.267	0	%100
80	M80	Z	7.083	7.083	0	%100
81	M81	X	14.791	14.791	0	%100
82	M81	Z	8.539	8.539	0	%100
83	M82	X	14.791	14.791	0	%100
84	M82	Z	8.539	8.539	0	%100
85	M83	X	9.865	9.865	0	%100
86	M83	Z	5.695	5.695	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.937	1.937	0	%100
2	M1	Z	3.355	3.355	0	%100
3	M4	X	.774	.774	0	%100
4	M4	Z	1.341	1.341	0	%100
5	M7	X	4.635	4.635	0	%100
6	M7	Z	8.028	8.028	0	%100
7	M7A	X	9.049	9.049	0	%100
8	M7A	Z	15.674	15.674	0	%100
9	M8	X	4.635	4.635	0	%100
10	M8	Z	8.028	8.028	0	%100
11	M7B	X	7.749	7.749	0	%100
12	M7B	Z	13.421	13.421	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	0	0	0	%100
20	M12	Z	0	0	0	%100
21	M13	X	1.937	1.937	0	%100
22	M13	Z	3.355	3.355	0	%100
23	M15	X	.774	.774	0	%100
24	M15	Z	1.341	1.341	0	%100
25	M16	X	4.635	4.635	0	%100
26	M16	Z	8.028	8.028	0	%100
27	M17	X	9.049	9.049	0	%100
28	M17	Z	15.674	15.674	0	%100
29	M18	X	4.635	4.635	0	%100
30	M18	Z	8.028	8.028	0	%100
31	M19	X	12.875	12.875	0	%100
32	M19	Z	22.3	22.3	0	%100
33	M20	X	0	0	0	%100
34	M20	Z	0	0	0	%100
35	M21	X	12.875	12.875	0	%100
36	M21	Z	22.3	22.3	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
37	M22	X	4.442	4.442	0	%100
38	M22	Z	7.693	7.693	0	%100
39	MP1A	X	4.892	4.892	0	%100
40	MP1A	Z	8.474	8.474	0	%100
41	MP2A	X	4.892	4.892	0	%100
42	MP2A	Z	8.474	8.474	0	%100
43	MP4A	X	4.892	4.892	0	%100
44	MP4A	Z	8.474	8.474	0	%100
45	MP5A	X	4.892	4.892	0	%100
46	MP5A	Z	8.474	8.474	0	%100
47	MP3A	X	5.922	5.922	0	%100
48	MP3A	Z	10.258	10.258	0	%100
49	MP1C	X	4.892	4.892	0	%100
50	MP1C	Z	8.474	8.474	0	%100
51	MP2C	X	4.892	4.892	0	%100
52	MP2C	Z	8.474	8.474	0	%100
53	MP4C	X	4.892	4.892	0	%100
54	MP4C	Z	8.474	8.474	0	%100
55	MP5C	X	4.892	4.892	0	%100
56	MP5C	Z	8.474	8.474	0	%100
57	MP3C	X	5.922	5.922	0	%100
58	MP3C	Z	10.258	10.258	0	%100
59	MP1B	X	4.892	4.892	0	%100
60	MP1B	Z	8.474	8.474	0	%100
61	MP2B	X	4.892	4.892	0	%100
62	MP2B	Z	8.474	8.474	0	%100
63	MP4B	X	4.892	4.892	0	%100
64	MP4B	Z	8.474	8.474	0	%100
65	MP5B	X	4.892	4.892	0	%100
66	MP5B	Z	8.474	8.474	0	%100
67	MP3B	X	5.922	5.922	0	%100
68	MP3B	Z	10.258	10.258	0	%100
69	M74	X	4.001	4.001	0	%100
70	M74	Z	6.929	6.929	0	%100
71	M70A	X	0	0	0	%100
72	M70A	Z	0	0	0	%100
73	M71A	X	4.442	4.442	0	%100
74	M71A	Z	7.693	7.693	0	%100
75	M78	X	0	0	0	%100
76	M78	Z	0	0	0	%100
77	M79	X	5.312	5.312	0	%100
78	M79	Z	9.2	9.2	0	%100
79	M80	X	5.312	5.312	0	%100
80	M80	Z	9.2	9.2	0	%100
81	M81	X	6.643	6.643	0	%100
82	M81	Z	11.507	11.507	0	%100
83	M82	X	9.487	9.487	0	%100
84	M82	Z	16.433	16.433	0	%100
85	M83	X	6.643	6.643	0	%100
86	M83	Z	11.507	11.507	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	2.064	2.064	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	12.36	12.36	0	%100
7	M7A	X	0	0	0	%100
8	M7A	Z	24.131	24.131	0	%100
9	M8	X	0	0	0	%100
10	M8	Z	12.36	12.36	0	%100
11	M7B	X	0	0	0	%100
12	M7B	Z	11.623	11.623	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	.516	.516	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	3.09	3.09	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	6.033	6.033	0	%100
19	M12	X	0	0	0	%100
20	M12	Z	3.09	3.09	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	11.623	11.623	0	%100
23	M15	X	0	0	0	%100
24	M15	Z	.516	.516	0	%100
25	M16	X	0	0	0	%100
26	M16	Z	3.09	3.09	0	%100
27	M17	X	0	0	0	%100
28	M17	Z	6.033	6.033	0	%100
29	M18	X	0	0	0	%100
30	M18	Z	3.09	3.09	0	%100
31	M19	X	0	0	0	%100
32	M19	Z	34.333	34.333	0	%100
33	M20	X	0	0	0	%100
34	M20	Z	8.583	8.583	0	%100
35	M21	X	0	0	0	%100
36	M21	Z	8.583	8.583	0	%100
37	M22	X	0	0	0	%100
38	M22	Z	11.845	11.845	0	%100
39	MP1A	X	0	0	0	%100
40	MP1A	Z	9.785	9.785	0	%100
41	MP2A	X	0	0	0	%100
42	MP2A	Z	9.785	9.785	0	%100
43	MP4A	X	0	0	0	%100
44	MP4A	Z	9.785	9.785	0	%100
45	MP5A	X	0	0	0	%100
46	MP5A	Z	9.785	9.785	0	%100
47	MP3A	X	0	0	0	%100
48	MP3A	Z	11.845	11.845	0	%100
49	MP1C	X	0	0	0	%100
50	MP1C	Z	9.785	9.785	0	%100
51	MP2C	X	0	0	0	%100
52	MP2C	Z	9.785	9.785	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
53	MP4C	X	0	0	0	%100
54	MP4C	Z	9.785	9.785	0	%100
55	MP5C	X	0	0	0	%100
56	MP5C	Z	9.785	9.785	0	%100
57	MP3C	X	0	0	0	%100
58	MP3C	Z	11.845	11.845	0	%100
59	MP1B	X	0	0	0	%100
60	MP1B	Z	9.785	9.785	0	%100
61	MP2B	X	0	0	0	%100
62	MP2B	Z	9.785	9.785	0	%100
63	MP4B	X	0	0	0	%100
64	MP4B	Z	9.785	9.785	0	%100
65	MP5B	X	0	0	0	%100
66	MP5B	Z	9.785	9.785	0	%100
67	MP3B	X	0	0	0	%100
68	MP3B	Z	11.845	11.845	0	%100
69	M74	X	0	0	0	%100
70	M74	Z	8.001	8.001	0	%100
71	M70A	X	0	0	0	%100
72	M70A	Z	2.961	2.961	0	%100
73	M71A	X	0	0	0	%100
74	M71A	Z	2.961	2.961	0	%100
75	M78	X	0	0	0	%100
76	M78	Z	3.541	3.541	0	%100
77	M79	X	0	0	0	%100
78	M79	Z	14.165	14.165	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	3.541	3.541	0	%100
81	M81	X	0	0	0	%100
82	M81	Z	11.391	11.391	0	%100
83	M82	X	0	0	0	%100
84	M82	Z	17.079	17.079	0	%100
85	M83	X	0	0	0	%100
86	M83	Z	17.079	17.079	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.937	-1.937	0	%100
2	M1	Z	3.355	3.355	0	%100
3	M4	X	-.774	-.774	0	%100
4	M4	Z	1.341	1.341	0	%100
5	M7	X	-4.635	-4.635	0	%100
6	M7	Z	8.028	8.028	0	%100
7	M7A	X	-9.049	-9.049	0	%100
8	M7A	Z	15.674	15.674	0	%100
9	M8	X	-4.635	-4.635	0	%100
10	M8	Z	8.028	8.028	0	%100
11	M7B	X	-1.937	-1.937	0	%100
12	M7B	Z	3.355	3.355	0	%100
13	M9	X	-.774	-.774	0	%100
14	M9	Z	1.341	1.341	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
15	M10	X	-4.635	-4.635	0	%100
16	M10	Z	8.028	8.028	0	%100
17	M11	X	-9.049	-9.049	0	%100
18	M11	Z	15.674	15.674	0	%100
19	M12	X	-4.635	-4.635	0	%100
20	M12	Z	8.028	8.028	0	%100
21	M13	X	-7.749	-7.749	0	%100
22	M13	Z	13.421	13.421	0	%100
23	M15	X	0	0	0	%100
24	M15	Z	0	0	0	%100
25	M16	X	0	0	0	%100
26	M16	Z	0	0	0	%100
27	M17	X	0	0	0	%100
28	M17	Z	0	0	0	%100
29	M18	X	0	0	0	%100
30	M18	Z	0	0	0	%100
31	M19	X	-12.875	-12.875	0	%100
32	M19	Z	22.3	22.3	0	%100
33	M20	X	-12.875	-12.875	0	%100
34	M20	Z	22.3	22.3	0	%100
35	M21	X	0	0	0	%100
36	M21	Z	0	0	0	%100
37	M22	X	-4.442	-4.442	0	%100
38	M22	Z	7.693	7.693	0	%100
39	MP1A	X	-4.892	-4.892	0	%100
40	MP1A	Z	8.474	8.474	0	%100
41	MP2A	X	-4.892	-4.892	0	%100
42	MP2A	Z	8.474	8.474	0	%100
43	MP4A	X	-4.892	-4.892	0	%100
44	MP4A	Z	8.474	8.474	0	%100
45	MP5A	X	-4.892	-4.892	0	%100
46	MP5A	Z	8.474	8.474	0	%100
47	MP3A	X	-5.922	-5.922	0	%100
48	MP3A	Z	10.258	10.258	0	%100
49	MP1C	X	-4.892	-4.892	0	%100
50	MP1C	Z	8.474	8.474	0	%100
51	MP2C	X	-4.892	-4.892	0	%100
52	MP2C	Z	8.474	8.474	0	%100
53	MP4C	X	-4.892	-4.892	0	%100
54	MP4C	Z	8.474	8.474	0	%100
55	MP5C	X	-4.892	-4.892	0	%100
56	MP5C	Z	8.474	8.474	0	%100
57	MP3C	X	-5.922	-5.922	0	%100
58	MP3C	Z	10.258	10.258	0	%100
59	MP1B	X	-4.892	-4.892	0	%100
60	MP1B	Z	8.474	8.474	0	%100
61	MP2B	X	-4.892	-4.892	0	%100
62	MP2B	Z	8.474	8.474	0	%100
63	MP4B	X	-4.892	-4.892	0	%100
64	MP4B	Z	8.474	8.474	0	%100
65	MP5B	X	-4.892	-4.892	0	%100
66	MP5B	Z	8.474	8.474	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
67	MP3B	X	-5.922	-5.922	0	%100
68	MP3B	Z	10.258	10.258	0	%100
69	M74	X	-4.001	-4.001	0	%100
70	M74	Z	6.929	6.929	0	%100
71	M70A	X	-4.442	-4.442	0	%100
72	M70A	Z	7.693	7.693	0	%100
73	M71A	X	0	0	0	%100
74	M71A	Z	0	0	0	%100
75	M78	X	-5.312	-5.312	0	%100
76	M78	Z	9.2	9.2	0	%100
77	M79	X	-5.312	-5.312	0	%100
78	M79	Z	9.2	9.2	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	0	0	0	%100
81	M81	X	-6.643	-6.643	0	%100
82	M81	Z	11.507	11.507	0	%100
83	M82	X	-6.643	-6.643	0	%100
84	M82	Z	11.507	11.507	0	%100
85	M83	X	-9.487	-9.487	0	%100
86	M83	Z	16.433	16.433	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-10.066	-10.066	0	%100
2	M1	Z	5.812	5.812	0	%100
3	M4	X	-.447	-.447	0	%100
4	M4	Z	.258	.258	0	%100
5	M7	X	-2.676	-2.676	0	%100
6	M7	Z	1.545	1.545	0	%100
7	M7A	X	-5.225	-5.225	0	%100
8	M7A	Z	3.016	3.016	0	%100
9	M8	X	-2.676	-2.676	0	%100
10	M8	Z	1.545	1.545	0	%100
11	M7B	X	0	0	0	%100
12	M7B	Z	0	0	0	%100
13	M9	X	-1.787	-1.787	0	%100
14	M9	Z	1.032	1.032	0	%100
15	M10	X	-10.704	-10.704	0	%100
16	M10	Z	6.18	6.18	0	%100
17	M11	X	-20.898	-20.898	0	%100
18	M11	Z	12.066	12.066	0	%100
19	M12	X	-10.704	-10.704	0	%100
20	M12	Z	6.18	6.18	0	%100
21	M13	X	-10.066	-10.066	0	%100
22	M13	Z	5.812	5.812	0	%100
23	M15	X	-.447	-.447	0	%100
24	M15	Z	.258	.258	0	%100
25	M16	X	-2.676	-2.676	0	%100
26	M16	Z	1.545	1.545	0	%100
27	M17	X	-5.225	-5.225	0	%100
28	M17	Z	3.016	3.016	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
29	M18	X	-2.676	-2.676	0	%100
30	M18	Z	1.545	1.545	0	%100
31	M19	X	-7.433	-7.433	0	%100
32	M19	Z	4.292	4.292	0	%100
33	M20	X	-29.733	-29.733	0	%100
34	M20	Z	17.166	17.166	0	%100
35	M21	X	-7.433	-7.433	0	%100
36	M21	Z	4.292	4.292	0	%100
37	M22	X	-2.564	-2.564	0	%100
38	M22	Z	1.481	1.481	0	%100
39	MP1A	X	-8.474	-8.474	0	%100
40	MP1A	Z	4.892	4.892	0	%100
41	MP2A	X	-8.474	-8.474	0	%100
42	MP2A	Z	4.892	4.892	0	%100
43	MP4A	X	-8.474	-8.474	0	%100
44	MP4A	Z	4.892	4.892	0	%100
45	MP5A	X	-8.474	-8.474	0	%100
46	MP5A	Z	4.892	4.892	0	%100
47	MP3A	X	-10.258	-10.258	0	%100
48	MP3A	Z	5.922	5.922	0	%100
49	MP1C	X	-8.474	-8.474	0	%100
50	MP1C	Z	4.892	4.892	0	%100
51	MP2C	X	-8.474	-8.474	0	%100
52	MP2C	Z	4.892	4.892	0	%100
53	MP4C	X	-8.474	-8.474	0	%100
54	MP4C	Z	4.892	4.892	0	%100
55	MP5C	X	-8.474	-8.474	0	%100
56	MP5C	Z	4.892	4.892	0	%100
57	MP3C	X	-10.258	-10.258	0	%100
58	MP3C	Z	5.922	5.922	0	%100
59	MP1B	X	-8.474	-8.474	0	%100
60	MP1B	Z	4.892	4.892	0	%100
61	MP2B	X	-8.474	-8.474	0	%100
62	MP2B	Z	4.892	4.892	0	%100
63	MP4B	X	-8.474	-8.474	0	%100
64	MP4B	Z	4.892	4.892	0	%100
65	MP5B	X	-8.474	-8.474	0	%100
66	MP5B	Z	4.892	4.892	0	%100
67	MP3B	X	-10.258	-10.258	0	%100
68	MP3B	Z	5.922	5.922	0	%100
69	M74	X	-6.929	-6.929	0	%100
70	M74	Z	4.001	4.001	0	%100
71	M70A	X	-10.258	-10.258	0	%100
72	M70A	Z	5.922	5.922	0	%100
73	M71A	X	-2.564	-2.564	0	%100
74	M71A	Z	1.481	1.481	0	%100
75	M78	X	-12.267	-12.267	0	%100
76	M78	Z	7.083	7.083	0	%100
77	M79	X	-3.067	-3.067	0	%100
78	M79	Z	1.771	1.771	0	%100
79	M80	X	-3.067	-3.067	0	%100
80	M80	Z	1.771	1.771	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
81	M81	X	-14.791	-14.791	0	%100
82	M81	Z	8.539	8.539	0	%100
83	M82	X	-9.865	-9.865	0	%100
84	M82	Z	5.695	5.695	0	%100
85	M83	X	-14.791	-14.791	0	%100
86	M83	Z	8.539	8.539	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-15.497	-15.497	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	0	0	0	%100
7	M7A	X	0	0	0	%100
8	M7A	Z	0	0	0	%100
9	M8	X	0	0	0	%100
10	M8	Z	0	0	0	%100
11	M7B	X	-3.874	-3.874	0	%100
12	M7B	Z	0	0	0	%100
13	M9	X	-1.548	-1.548	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	-9.27	-9.27	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	-18.098	-18.098	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	-9.27	-9.27	0	%100
20	M12	Z	0	0	0	%100
21	M13	X	-3.874	-3.874	0	%100
22	M13	Z	0	0	0	%100
23	M15	X	-1.548	-1.548	0	%100
24	M15	Z	0	0	0	%100
25	M16	X	-9.27	-9.27	0	%100
26	M16	Z	0	0	0	%100
27	M17	X	-18.098	-18.098	0	%100
28	M17	Z	0	0	0	%100
29	M18	X	-9.27	-9.27	0	%100
30	M18	Z	0	0	0	%100
31	M19	X	0	0	0	%100
32	M19	Z	0	0	0	%100
33	M20	X	-25.75	-25.75	0	%100
34	M20	Z	0	0	0	%100
35	M21	X	-25.75	-25.75	0	%100
36	M21	Z	0	0	0	%100
37	M22	X	0	0	0	%100
38	M22	Z	0	0	0	%100
39	MP1A	X	-9.785	-9.785	0	%100
40	MP1A	Z	0	0	0	%100
41	MP2A	X	-9.785	-9.785	0	%100
42	MP2A	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,...	Start Location[ft,%]	End Location[ft,%]
43	MP4A	X	-9.785	-9.785	0	%100
44	MP4A	Z	0	0	0	%100
45	MP5A	X	-9.785	-9.785	0	%100
46	MP5A	Z	0	0	0	%100
47	MP3A	X	-11.845	-11.845	0	%100
48	MP3A	Z	0	0	0	%100
49	MP1C	X	-9.785	-9.785	0	%100
50	MP1C	Z	0	0	0	%100
51	MP2C	X	-9.785	-9.785	0	%100
52	MP2C	Z	0	0	0	%100
53	MP4C	X	-9.785	-9.785	0	%100
54	MP4C	Z	0	0	0	%100
55	MP5C	X	-9.785	-9.785	0	%100
56	MP5C	Z	0	0	0	%100
57	MP3C	X	-11.845	-11.845	0	%100
58	MP3C	Z	0	0	0	%100
59	MP1B	X	-9.785	-9.785	0	%100
60	MP1B	Z	0	0	0	%100
61	MP2B	X	-9.785	-9.785	0	%100
62	MP2B	Z	0	0	0	%100
63	MP4B	X	-9.785	-9.785	0	%100
64	MP4B	Z	0	0	0	%100
65	MP5B	X	-9.785	-9.785	0	%100
66	MP5B	Z	0	0	0	%100
67	MP3B	X	-11.845	-11.845	0	%100
68	MP3B	Z	0	0	0	%100
69	M74	X	-8.001	-8.001	0	%100
70	M74	Z	0	0	0	%100
71	M70A	X	-8.884	-8.884	0	%100
72	M70A	Z	0	0	0	%100
73	M71A	X	-8.884	-8.884	0	%100
74	M71A	Z	0	0	0	%100
75	M78	X	-10.624	-10.624	0	%100
76	M78	Z	0	0	0	%100
77	M79	X	0	0	0	%100
78	M79	Z	0	0	0	%100
79	M80	X	-10.624	-10.624	0	%100
80	M80	Z	0	0	0	%100
81	M81	X	-18.975	-18.975	0	%100
82	M81	Z	0	0	0	%100
83	M82	X	-13.287	-13.287	0	%100
84	M82	Z	0	0	0	%100
85	M83	X	-13.287	-13.287	0	%100
86	M83	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,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-10.066	-10.066	0	%100
2	M1	Z	-5.812	-5.812	0	%100
3	M4	X	-.447	-.447	0	%100
4	M4	Z	-.258	-.258	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
5	M7	X	-2.676	-2.676	0	%100
6	M7	Z	-1.545	-1.545	0	%100
7	M7A	X	-5.225	-5.225	0	%100
8	M7A	Z	-3.016	-3.016	0	%100
9	M8	X	-2.676	-2.676	0	%100
10	M8	Z	-1.545	-1.545	0	%100
11	M7B	X	-10.066	-10.066	0	%100
12	M7B	Z	-5.812	-5.812	0	%100
13	M9	X	-.447	-.447	0	%100
14	M9	Z	-.258	-.258	0	%100
15	M10	X	-2.676	-2.676	0	%100
16	M10	Z	-1.545	-1.545	0	%100
17	M11	X	-5.225	-5.225	0	%100
18	M11	Z	-3.016	-3.016	0	%100
19	M12	X	-2.676	-2.676	0	%100
20	M12	Z	-1.545	-1.545	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	0	0	0	%100
23	M15	X	-1.787	-1.787	0	%100
24	M15	Z	-1.032	-1.032	0	%100
25	M16	X	-10.704	-10.704	0	%100
26	M16	Z	-6.18	-6.18	0	%100
27	M17	X	-20.898	-20.898	0	%100
28	M17	Z	-12.066	-12.066	0	%100
29	M18	X	-10.704	-10.704	0	%100
30	M18	Z	-6.18	-6.18	0	%100
31	M19	X	-7.433	-7.433	0	%100
32	M19	Z	-4.292	-4.292	0	%100
33	M20	X	-7.433	-7.433	0	%100
34	M20	Z	-4.292	-4.292	0	%100
35	M21	X	-29.733	-29.733	0	%100
36	M21	Z	-17.166	-17.166	0	%100
37	M22	X	-2.564	-2.564	0	%100
38	M22	Z	-1.481	-1.481	0	%100
39	MP1A	X	-8.474	-8.474	0	%100
40	MP1A	Z	-4.892	-4.892	0	%100
41	MP2A	X	-8.474	-8.474	0	%100
42	MP2A	Z	-4.892	-4.892	0	%100
43	MP4A	X	-8.474	-8.474	0	%100
44	MP4A	Z	-4.892	-4.892	0	%100
45	MP5A	X	-8.474	-8.474	0	%100
46	MP5A	Z	-4.892	-4.892	0	%100
47	MP3A	X	-10.258	-10.258	0	%100
48	MP3A	Z	-5.922	-5.922	0	%100
49	MP1C	X	-8.474	-8.474	0	%100
50	MP1C	Z	-4.892	-4.892	0	%100
51	MP2C	X	-8.474	-8.474	0	%100
52	MP2C	Z	-4.892	-4.892	0	%100
53	MP4C	X	-8.474	-8.474	0	%100
54	MP4C	Z	-4.892	-4.892	0	%100
55	MP5C	X	-8.474	-8.474	0	%100
56	MP5C	Z	-4.892	-4.892	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
57	MP3C	X	-10.258	-10.258	0	%100
58	MP3C	Z	-5.922	-5.922	0	%100
59	MP1B	X	-8.474	-8.474	0	%100
60	MP1B	Z	-4.892	-4.892	0	%100
61	MP2B	X	-8.474	-8.474	0	%100
62	MP2B	Z	-4.892	-4.892	0	%100
63	MP4B	X	-8.474	-8.474	0	%100
64	MP4B	Z	-4.892	-4.892	0	%100
65	MP5B	X	-8.474	-8.474	0	%100
66	MP5B	Z	-4.892	-4.892	0	%100
67	MP3B	X	-10.258	-10.258	0	%100
68	MP3B	Z	-5.922	-5.922	0	%100
69	M74	X	-6.929	-6.929	0	%100
70	M74	Z	-4.001	-4.001	0	%100
71	M70A	X	-2.564	-2.564	0	%100
72	M70A	Z	-1.481	-1.481	0	%100
73	M71A	X	-10.258	-10.258	0	%100
74	M71A	Z	-5.922	-5.922	0	%100
75	M78	X	-3.067	-3.067	0	%100
76	M78	Z	-1.771	-1.771	0	%100
77	M79	X	-3.067	-3.067	0	%100
78	M79	Z	-1.771	-1.771	0	%100
79	M80	X	-12.267	-12.267	0	%100
80	M80	Z	-7.083	-7.083	0	%100
81	M81	X	-14.791	-14.791	0	%100
82	M81	Z	-8.539	-8.539	0	%100
83	M82	X	-14.791	-14.791	0	%100
84	M82	Z	-8.539	-8.539	0	%100
85	M83	X	-9.865	-9.865	0	%100
86	M83	Z	-5.695	-5.695	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.937	-1.937	0	%100
2	M1	Z	-3.355	-3.355	0	%100
3	M4	X	-.774	-.774	0	%100
4	M4	Z	-1.341	-1.341	0	%100
5	M7	X	-4.635	-4.635	0	%100
6	M7	Z	-8.028	-8.028	0	%100
7	M7A	X	-9.049	-9.049	0	%100
8	M7A	Z	-15.674	-15.674	0	%100
9	M8	X	-4.635	-4.635	0	%100
10	M8	Z	-8.028	-8.028	0	%100
11	M7B	X	-7.749	-7.749	0	%100
12	M7B	Z	-13.421	-13.421	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
19	M12	X	0	0	0	%100
20	M12	Z	0	0	0	%100
21	M13	X	-1.937	-1.937	0	%100
22	M13	Z	-3.355	-3.355	0	%100
23	M15	X	-.774	-.774	0	%100
24	M15	Z	-1.341	-1.341	0	%100
25	M16	X	-4.635	-4.635	0	%100
26	M16	Z	-8.028	-8.028	0	%100
27	M17	X	-9.049	-9.049	0	%100
28	M17	Z	-15.674	-15.674	0	%100
29	M18	X	-4.635	-4.635	0	%100
30	M18	Z	-8.028	-8.028	0	%100
31	M19	X	-12.875	-12.875	0	%100
32	M19	Z	-22.3	-22.3	0	%100
33	M20	X	0	0	0	%100
34	M20	Z	0	0	0	%100
35	M21	X	-12.875	-12.875	0	%100
36	M21	Z	-22.3	-22.3	0	%100
37	M22	X	-4.442	-4.442	0	%100
38	M22	Z	-7.693	-7.693	0	%100
39	MP1A	X	-4.892	-4.892	0	%100
40	MP1A	Z	-8.474	-8.474	0	%100
41	MP2A	X	-4.892	-4.892	0	%100
42	MP2A	Z	-8.474	-8.474	0	%100
43	MP4A	X	-4.892	-4.892	0	%100
44	MP4A	Z	-8.474	-8.474	0	%100
45	MP5A	X	-4.892	-4.892	0	%100
46	MP5A	Z	-8.474	-8.474	0	%100
47	MP3A	X	-5.922	-5.922	0	%100
48	MP3A	Z	-10.258	-10.258	0	%100
49	MP1C	X	-4.892	-4.892	0	%100
50	MP1C	Z	-8.474	-8.474	0	%100
51	MP2C	X	-4.892	-4.892	0	%100
52	MP2C	Z	-8.474	-8.474	0	%100
53	MP4C	X	-4.892	-4.892	0	%100
54	MP4C	Z	-8.474	-8.474	0	%100
55	MP5C	X	-4.892	-4.892	0	%100
56	MP5C	Z	-8.474	-8.474	0	%100
57	MP3C	X	-5.922	-5.922	0	%100
58	MP3C	Z	-10.258	-10.258	0	%100
59	MP1B	X	-4.892	-4.892	0	%100
60	MP1B	Z	-8.474	-8.474	0	%100
61	MP2B	X	-4.892	-4.892	0	%100
62	MP2B	Z	-8.474	-8.474	0	%100
63	MP4B	X	-4.892	-4.892	0	%100
64	MP4B	Z	-8.474	-8.474	0	%100
65	MP5B	X	-4.892	-4.892	0	%100
66	MP5B	Z	-8.474	-8.474	0	%100
67	MP3B	X	-5.922	-5.922	0	%100
68	MP3B	Z	-10.258	-10.258	0	%100
69	M74	X	-4.001	-4.001	0	%100
70	M74	Z	-6.929	-6.929	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
71	M70A	X	0	0	0	%100
72	M70A	Z	0	0	0	%100
73	M71A	X	-4.442	-4.442	0	%100
74	M71A	Z	-7.693	-7.693	0	%100
75	M78	X	0	0	0	%100
76	M78	Z	0	0	0	%100
77	M79	X	-5.312	-5.312	0	%100
78	M79	Z	-9.2	-9.2	0	%100
79	M80	X	-5.312	-5.312	0	%100
80	M80	Z	-9.2	-9.2	0	%100
81	M81	X	-6.643	-6.643	0	%100
82	M81	Z	-11.507	-11.507	0	%100
83	M82	X	-9.487	-9.487	0	%100
84	M82	Z	-16.433	-16.433	0	%100
85	M83	X	-6.643	-6.643	0	%100
86	M83	Z	-11.507	-11.507	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	-1.503	-1.503	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	-3.224	-3.224	0	%100
7	M7A	X	0	0	0	%100
8	M7A	Z	-6.05	-6.05	0	%100
9	M8	X	0	0	0	%100
10	M8	Z	-3.224	-3.224	0	%100
11	M7B	X	0	0	0	%100
12	M7B	Z	-3.375	-3.375	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	-.376	-.376	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	-.806	-.806	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	-1.513	-1.513	0	%100
19	M12	X	0	0	0	%100
20	M12	Z	-.806	-.806	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	-3.375	-3.375	0	%100
23	M15	X	0	0	0	%100
24	M15	Z	-.376	-.376	0	%100
25	M16	X	0	0	0	%100
26	M16	Z	-.806	-.806	0	%100
27	M17	X	0	0	0	%100
28	M17	Z	-1.513	-1.513	0	%100
29	M18	X	0	0	0	%100
30	M18	Z	-.806	-.806	0	%100
31	M19	X	0	0	0	%100
32	M19	Z	-7.882	-7.882	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
33	M20	X	0	0	0	%100
34	M20	Z	-1.971	-1.971	0	%100
35	M21	X	0	0	0	%100
36	M21	Z	-1.971	-1.971	0	%100
37	M22	X	0	0	0	%100
38	M22	Z	-3.844	-3.844	0	%100
39	MP1A	X	0	0	0	%100
40	MP1A	Z	-3.475	-3.475	0	%100
41	MP2A	X	0	0	0	%100
42	MP2A	Z	-3.475	-3.475	0	%100
43	MP4A	X	0	0	0	%100
44	MP4A	Z	-3.475	-3.475	0	%100
45	MP5A	X	0	0	0	%100
46	MP5A	Z	-3.475	-3.475	0	%100
47	MP3A	X	0	0	0	%100
48	MP3A	Z	-3.844	-3.844	0	%100
49	MP1C	X	0	0	0	%100
50	MP1C	Z	-3.475	-3.475	0	%100
51	MP2C	X	0	0	0	%100
52	MP2C	Z	-3.475	-3.475	0	%100
53	MP4C	X	0	0	0	%100
54	MP4C	Z	-3.475	-3.475	0	%100
55	MP5C	X	0	0	0	%100
56	MP5C	Z	-3.475	-3.475	0	%100
57	MP3C	X	0	0	0	%100
58	MP3C	Z	-3.844	-3.844	0	%100
59	MP1B	X	0	0	0	%100
60	MP1B	Z	-3.475	-3.475	0	%100
61	MP2B	X	0	0	0	%100
62	MP2B	Z	-3.475	-3.475	0	%100
63	MP4B	X	0	0	0	%100
64	MP4B	Z	-3.475	-3.475	0	%100
65	MP5B	X	0	0	0	%100
66	MP5B	Z	-3.475	-3.475	0	%100
67	MP3B	X	0	0	0	%100
68	MP3B	Z	-3.844	-3.844	0	%100
69	M74	X	0	0	0	%100
70	M74	Z	-2.852	-2.852	0	%100
71	M70A	X	0	0	0	%100
72	M70A	Z	-.961	-.961	0	%100
73	M71A	X	0	0	0	%100
74	M71A	Z	-.961	-.961	0	%100
75	M78	X	0	0	0	%100
76	M78	Z	-.933	-.933	0	%100
77	M79	X	0	0	0	%100
78	M79	Z	-3.731	-3.731	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	-.933	-.933	0	%100
81	M81	X	0	0	0	%100
82	M81	Z	-2.647	-2.647	0	%100
83	M82	X	0	0	0	%100
84	M82	Z	-4.505	-4.505	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
85	M83	X	0	0	0	%100
86	M83	Z	-4.505	-4.505	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.563	.563	0	%100
2	M1	Z	-.974	-.974	0	%100
3	M4	X	.564	.564	0	%100
4	M4	Z	-.976	-.976	0	%100
5	M7	X	1.209	1.209	0	%100
6	M7	Z	-2.094	-2.094	0	%100
7	M7A	X	2.269	2.269	0	%100
8	M7A	Z	-3.93	-3.93	0	%100
9	M8	X	1.209	1.209	0	%100
10	M8	Z	-2.094	-2.094	0	%100
11	M7B	X	.563	.563	0	%100
12	M7B	Z	-.974	-.974	0	%100
13	M9	X	.564	.564	0	%100
14	M9	Z	-.976	-.976	0	%100
15	M10	X	1.209	1.209	0	%100
16	M10	Z	-2.094	-2.094	0	%100
17	M11	X	2.269	2.269	0	%100
18	M11	Z	-3.93	-3.93	0	%100
19	M12	X	1.209	1.209	0	%100
20	M12	Z	-2.094	-2.094	0	%100
21	M13	X	2.25	2.25	0	%100
22	M13	Z	-3.897	-3.897	0	%100
23	M15	X	0	0	0	%100
24	M15	Z	0	0	0	%100
25	M16	X	0	0	0	%100
26	M16	Z	0	0	0	%100
27	M17	X	0	0	0	%100
28	M17	Z	0	0	0	%100
29	M18	X	0	0	0	%100
30	M18	Z	0	0	0	%100
31	M19	X	2.956	2.956	0	%100
32	M19	Z	-5.12	-5.12	0	%100
33	M20	X	2.956	2.956	0	%100
34	M20	Z	-5.12	-5.12	0	%100
35	M21	X	0	0	0	%100
36	M21	Z	0	0	0	%100
37	M22	X	1.442	1.442	0	%100
38	M22	Z	-2.497	-2.497	0	%100
39	MP1A	X	1.737	1.737	0	%100
40	MP1A	Z	-3.009	-3.009	0	%100
41	MP2A	X	1.737	1.737	0	%100
42	MP2A	Z	-3.009	-3.009	0	%100
43	MP4A	X	1.737	1.737	0	%100
44	MP4A	Z	-3.009	-3.009	0	%100
45	MP5A	X	1.737	1.737	0	%100
46	MP5A	Z	-3.009	-3.009	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
47	MP3A	X	1.922	1.922	0	%100
48	MP3A	Z	-3.329	-3.329	0	%100
49	MP1C	X	1.737	1.737	0	%100
50	MP1C	Z	-3.009	-3.009	0	%100
51	MP2C	X	1.737	1.737	0	%100
52	MP2C	Z	-3.009	-3.009	0	%100
53	MP4C	X	1.737	1.737	0	%100
54	MP4C	Z	-3.009	-3.009	0	%100
55	MP5C	X	1.737	1.737	0	%100
56	MP5C	Z	-3.009	-3.009	0	%100
57	MP3C	X	1.922	1.922	0	%100
58	MP3C	Z	-3.329	-3.329	0	%100
59	MP1B	X	1.737	1.737	0	%100
60	MP1B	Z	-3.009	-3.009	0	%100
61	MP2B	X	1.737	1.737	0	%100
62	MP2B	Z	-3.009	-3.009	0	%100
63	MP4B	X	1.737	1.737	0	%100
64	MP4B	Z	-3.009	-3.009	0	%100
65	MP5B	X	1.737	1.737	0	%100
66	MP5B	Z	-3.009	-3.009	0	%100
67	MP3B	X	1.922	1.922	0	%100
68	MP3B	Z	-3.329	-3.329	0	%100
69	M74	X	1.426	1.426	0	%100
70	M74	Z	-2.47	-2.47	0	%100
71	M70A	X	1.442	1.442	0	%100
72	M70A	Z	-2.497	-2.497	0	%100
73	M71A	X	0	0	0	%100
74	M71A	Z	0	0	0	%100
75	M78	X	1.399	1.399	0	%100
76	M78	Z	-2.423	-2.423	0	%100
77	M79	X	1.399	1.399	0	%100
78	M79	Z	-2.423	-2.423	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	0	0	0	%100
81	M81	X	1.633	1.633	0	%100
82	M81	Z	-2.829	-2.829	0	%100
83	M82	X	1.633	1.633	0	%100
84	M82	Z	-2.829	-2.829	0	%100
85	M83	X	2.562	2.562	0	%100
86	M83	Z	-4.438	-4.438	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.923	2.923	0	%100
2	M1	Z	-1.688	-1.688	0	%100
3	M4	X	.325	.325	0	%100
4	M4	Z	-.188	-.188	0	%100
5	M7	X	.698	.698	0	%100
6	M7	Z	-.403	-.403	0	%100
7	M7A	X	1.31	1.31	0	%100
8	M7A	Z	-.756	-.756	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
9	M8	X	.698	.698	0	%100
10	M8	Z	-.403	-.403	0	%100
11	M7B	X	0	0	0	%100
12	M7B	Z	0	0	0	%100
13	M9	X	1.301	1.301	0	%100
14	M9	Z	-.751	-.751	0	%100
15	M10	X	2.792	2.792	0	%100
16	M10	Z	-1.612	-1.612	0	%100
17	M11	X	5.24	5.24	0	%100
18	M11	Z	-3.025	-3.025	0	%100
19	M12	X	2.792	2.792	0	%100
20	M12	Z	-1.612	-1.612	0	%100
21	M13	X	2.923	2.923	0	%100
22	M13	Z	-1.688	-1.688	0	%100
23	M15	X	.325	.325	0	%100
24	M15	Z	-.188	-.188	0	%100
25	M16	X	.698	.698	0	%100
26	M16	Z	-.403	-.403	0	%100
27	M17	X	1.31	1.31	0	%100
28	M17	Z	-.756	-.756	0	%100
29	M18	X	.698	.698	0	%100
30	M18	Z	-.403	-.403	0	%100
31	M19	X	1.707	1.707	0	%100
32	M19	Z	-.985	-.985	0	%100
33	M20	X	6.826	6.826	0	%100
34	M20	Z	-3.941	-3.941	0	%100
35	M21	X	1.707	1.707	0	%100
36	M21	Z	-.985	-.985	0	%100
37	M22	X	.832	.832	0	%100
38	M22	Z	-.481	-.481	0	%100
39	MP1A	X	3.009	3.009	0	%100
40	MP1A	Z	-1.737	-1.737	0	%100
41	MP2A	X	3.009	3.009	0	%100
42	MP2A	Z	-1.737	-1.737	0	%100
43	MP4A	X	3.009	3.009	0	%100
44	MP4A	Z	-1.737	-1.737	0	%100
45	MP5A	X	3.009	3.009	0	%100
46	MP5A	Z	-1.737	-1.737	0	%100
47	MP3A	X	3.329	3.329	0	%100
48	MP3A	Z	-1.922	-1.922	0	%100
49	MP1C	X	3.009	3.009	0	%100
50	MP1C	Z	-1.737	-1.737	0	%100
51	MP2C	X	3.009	3.009	0	%100
52	MP2C	Z	-1.737	-1.737	0	%100
53	MP4C	X	3.009	3.009	0	%100
54	MP4C	Z	-1.737	-1.737	0	%100
55	MP5C	X	3.009	3.009	0	%100
56	MP5C	Z	-1.737	-1.737	0	%100
57	MP3C	X	3.329	3.329	0	%100
58	MP3C	Z	-1.922	-1.922	0	%100
59	MP1B	X	3.009	3.009	0	%100
60	MP1B	Z	-1.737	-1.737	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
61	MP2B	X	3.009	3.009	0	%100
62	MP2B	Z	-1.737	-1.737	0	%100
63	MP4B	X	3.009	3.009	0	%100
64	MP4B	Z	-1.737	-1.737	0	%100
65	MP5B	X	3.009	3.009	0	%100
66	MP5B	Z	-1.737	-1.737	0	%100
67	MP3B	X	3.329	3.329	0	%100
68	MP3B	Z	-1.922	-1.922	0	%100
69	M74	X	2.47	2.47	0	%100
70	M74	Z	-1.426	-1.426	0	%100
71	M70A	X	3.329	3.329	0	%100
72	M70A	Z	-1.922	-1.922	0	%100
73	M71A	X	.832	.832	0	%100
74	M71A	Z	-.481	-.481	0	%100
75	M78	X	3.231	3.231	0	%100
76	M78	Z	-1.865	-1.865	0	%100
77	M79	X	.808	.808	0	%100
78	M79	Z	-.466	-.466	0	%100
79	M80	X	.808	.808	0	%100
80	M80	Z	-.466	-.466	0	%100
81	M81	X	3.902	3.902	0	%100
82	M81	Z	-2.253	-2.253	0	%100
83	M82	X	2.293	2.293	0	%100
84	M82	Z	-1.324	-1.324	0	%100
85	M83	X	3.902	3.902	0	%100
86	M83	Z	-2.253	-2.253	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	4.5	4.5	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	0	0	0	%100
7	M7A	X	0	0	0	%100
8	M7A	Z	0	0	0	%100
9	M8	X	0	0	0	%100
10	M8	Z	0	0	0	%100
11	M7B	X	1.125	1.125	0	%100
12	M7B	Z	0	0	0	%100
13	M9	X	1.127	1.127	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	2.418	2.418	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	4.538	4.538	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	2.418	2.418	0	%100
20	M12	Z	0	0	0	%100
21	M13	X	1.125	1.125	0	%100
22	M13	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
23	M15	X	1.127	1.127	0	%100
24	M15	Z	0	0	0	%100
25	M16	X	2.418	2.418	0	%100
26	M16	Z	0	0	0	%100
27	M17	X	4.538	4.538	0	%100
28	M17	Z	0	0	0	%100
29	M18	X	2.418	2.418	0	%100
30	M18	Z	0	0	0	%100
31	M19	X	0	0	0	%100
32	M19	Z	0	0	0	%100
33	M20	X	5.912	5.912	0	%100
34	M20	Z	0	0	0	%100
35	M21	X	5.912	5.912	0	%100
36	M21	Z	0	0	0	%100
37	M22	X	0	0	0	%100
38	M22	Z	0	0	0	%100
39	MP1A	X	3.475	3.475	0	%100
40	MP1A	Z	0	0	0	%100
41	MP2A	X	3.475	3.475	0	%100
42	MP2A	Z	0	0	0	%100
43	MP4A	X	3.475	3.475	0	%100
44	MP4A	Z	0	0	0	%100
45	MP5A	X	3.475	3.475	0	%100
46	MP5A	Z	0	0	0	%100
47	MP3A	X	3.844	3.844	0	%100
48	MP3A	Z	0	0	0	%100
49	MP1C	X	3.475	3.475	0	%100
50	MP1C	Z	0	0	0	%100
51	MP2C	X	3.475	3.475	0	%100
52	MP2C	Z	0	0	0	%100
53	MP4C	X	3.475	3.475	0	%100
54	MP4C	Z	0	0	0	%100
55	MP5C	X	3.475	3.475	0	%100
56	MP5C	Z	0	0	0	%100
57	MP3C	X	3.844	3.844	0	%100
58	MP3C	Z	0	0	0	%100
59	MP1B	X	3.475	3.475	0	%100
60	MP1B	Z	0	0	0	%100
61	MP2B	X	3.475	3.475	0	%100
62	MP2B	Z	0	0	0	%100
63	MP4B	X	3.475	3.475	0	%100
64	MP4B	Z	0	0	0	%100
65	MP5B	X	3.475	3.475	0	%100
66	MP5B	Z	0	0	0	%100
67	MP3B	X	3.844	3.844	0	%100
68	MP3B	Z	0	0	0	%100
69	M74	X	2.852	2.852	0	%100
70	M74	Z	0	0	0	%100
71	M70A	X	2.883	2.883	0	%100
72	M70A	Z	0	0	0	%100
73	M71A	X	2.883	2.883	0	%100
74	M71A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
75	M78	X	2.798	2.798	0	%100
76	M78	Z	0	0	0	%100
77	M79	X	0	0	0	%100
78	M79	Z	0	0	0	%100
79	M80	X	2.798	2.798	0	%100
80	M80	Z	0	0	0	%100
81	M81	X	5.125	5.125	0	%100
82	M81	Z	0	0	0	%100
83	M82	X	3.267	3.267	0	%100
84	M82	Z	0	0	0	%100
85	M83	X	3.267	3.267	0	%100
86	M83	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,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.923	2.923	0	%100
2	M1	Z	1.688	1.688	0	%100
3	M4	X	.325	.325	0	%100
4	M4	Z	.188	.188	0	%100
5	M7	X	.698	.698	0	%100
6	M7	Z	.403	.403	0	%100
7	M7A	X	1.31	1.31	0	%100
8	M7A	Z	.756	.756	0	%100
9	M8	X	.698	.698	0	%100
10	M8	Z	.403	.403	0	%100
11	M7B	X	2.923	2.923	0	%100
12	M7B	Z	1.688	1.688	0	%100
13	M9	X	.325	.325	0	%100
14	M9	Z	.188	.188	0	%100
15	M10	X	.698	.698	0	%100
16	M10	Z	.403	.403	0	%100
17	M11	X	1.31	1.31	0	%100
18	M11	Z	.756	.756	0	%100
19	M12	X	.698	.698	0	%100
20	M12	Z	.403	.403	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	0	0	0	%100
23	M15	X	1.301	1.301	0	%100
24	M15	Z	.751	.751	0	%100
25	M16	X	2.792	2.792	0	%100
26	M16	Z	1.612	1.612	0	%100
27	M17	X	5.24	5.24	0	%100
28	M17	Z	3.025	3.025	0	%100
29	M18	X	2.792	2.792	0	%100
30	M18	Z	1.612	1.612	0	%100
31	M19	X	1.707	1.707	0	%100
32	M19	Z	.985	.985	0	%100
33	M20	X	1.707	1.707	0	%100
34	M20	Z	.985	.985	0	%100
35	M21	X	6.826	6.826	0	%100
36	M21	Z	3.941	3.941	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
37	M22	X	.832	.832	0	%100
38	M22	Z	.481	.481	0	%100
39	MP1A	X	3.009	3.009	0	%100
40	MP1A	Z	1.737	1.737	0	%100
41	MP2A	X	3.009	3.009	0	%100
42	MP2A	Z	1.737	1.737	0	%100
43	MP4A	X	3.009	3.009	0	%100
44	MP4A	Z	1.737	1.737	0	%100
45	MP5A	X	3.009	3.009	0	%100
46	MP5A	Z	1.737	1.737	0	%100
47	MP3A	X	3.329	3.329	0	%100
48	MP3A	Z	1.922	1.922	0	%100
49	MP1C	X	3.009	3.009	0	%100
50	MP1C	Z	1.737	1.737	0	%100
51	MP2C	X	3.009	3.009	0	%100
52	MP2C	Z	1.737	1.737	0	%100
53	MP4C	X	3.009	3.009	0	%100
54	MP4C	Z	1.737	1.737	0	%100
55	MP5C	X	3.009	3.009	0	%100
56	MP5C	Z	1.737	1.737	0	%100
57	MP3C	X	3.329	3.329	0	%100
58	MP3C	Z	1.922	1.922	0	%100
59	MP1B	X	3.009	3.009	0	%100
60	MP1B	Z	1.737	1.737	0	%100
61	MP2B	X	3.009	3.009	0	%100
62	MP2B	Z	1.737	1.737	0	%100
63	MP4B	X	3.009	3.009	0	%100
64	MP4B	Z	1.737	1.737	0	%100
65	MP5B	X	3.009	3.009	0	%100
66	MP5B	Z	1.737	1.737	0	%100
67	MP3B	X	3.329	3.329	0	%100
68	MP3B	Z	1.922	1.922	0	%100
69	M74	X	2.47	2.47	0	%100
70	M74	Z	1.426	1.426	0	%100
71	M70A	X	.832	.832	0	%100
72	M70A	Z	.481	.481	0	%100
73	M71A	X	3.329	3.329	0	%100
74	M71A	Z	1.922	1.922	0	%100
75	M78	X	.808	.808	0	%100
76	M78	Z	.466	.466	0	%100
77	M79	X	.808	.808	0	%100
78	M79	Z	.466	.466	0	%100
79	M80	X	3.231	3.231	0	%100
80	M80	Z	1.865	1.865	0	%100
81	M81	X	3.902	3.902	0	%100
82	M81	Z	2.253	2.253	0	%100
83	M82	X	3.902	3.902	0	%100
84	M82	Z	2.253	2.253	0	%100
85	M83	X	2.293	2.293	0	%100
86	M83	Z	1.324	1.324	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.563	.563	0	%100
2	M1	Z	.974	.974	0	%100
3	M4	X	.564	.564	0	%100
4	M4	Z	.976	.976	0	%100
5	M7	X	1.209	1.209	0	%100
6	M7	Z	2.094	2.094	0	%100
7	M7A	X	2.269	2.269	0	%100
8	M7A	Z	3.93	3.93	0	%100
9	M8	X	1.209	1.209	0	%100
10	M8	Z	2.094	2.094	0	%100
11	M7B	X	2.25	2.25	0	%100
12	M7B	Z	3.897	3.897	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	0	0	0	%100
20	M12	Z	0	0	0	%100
21	M13	X	.563	.563	0	%100
22	M13	Z	.974	.974	0	%100
23	M15	X	.564	.564	0	%100
24	M15	Z	.976	.976	0	%100
25	M16	X	1.209	1.209	0	%100
26	M16	Z	2.094	2.094	0	%100
27	M17	X	2.269	2.269	0	%100
28	M17	Z	3.93	3.93	0	%100
29	M18	X	1.209	1.209	0	%100
30	M18	Z	2.094	2.094	0	%100
31	M19	X	2.956	2.956	0	%100
32	M19	Z	5.12	5.12	0	%100
33	M20	X	0	0	0	%100
34	M20	Z	0	0	0	%100
35	M21	X	2.956	2.956	0	%100
36	M21	Z	5.12	5.12	0	%100
37	M22	X	1.442	1.442	0	%100
38	M22	Z	2.497	2.497	0	%100
39	MP1A	X	1.737	1.737	0	%100
40	MP1A	Z	3.009	3.009	0	%100
41	MP2A	X	1.737	1.737	0	%100
42	MP2A	Z	3.009	3.009	0	%100
43	MP4A	X	1.737	1.737	0	%100
44	MP4A	Z	3.009	3.009	0	%100
45	MP5A	X	1.737	1.737	0	%100
46	MP5A	Z	3.009	3.009	0	%100
47	MP3A	X	1.922	1.922	0	%100
48	MP3A	Z	3.329	3.329	0	%100
49	MP1C	X	1.737	1.737	0	%100
50	MP1C	Z	3.009	3.009	0	%100
51	MP2C	X	1.737	1.737	0	%100
52	MP2C	Z	3.009	3.009	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
53	MP4C	X	1.737	1.737	0	%100
54	MP4C	Z	3.009	3.009	0	%100
55	MP5C	X	1.737	1.737	0	%100
56	MP5C	Z	3.009	3.009	0	%100
57	MP3C	X	1.922	1.922	0	%100
58	MP3C	Z	3.329	3.329	0	%100
59	MP1B	X	1.737	1.737	0	%100
60	MP1B	Z	3.009	3.009	0	%100
61	MP2B	X	1.737	1.737	0	%100
62	MP2B	Z	3.009	3.009	0	%100
63	MP4B	X	1.737	1.737	0	%100
64	MP4B	Z	3.009	3.009	0	%100
65	MP5B	X	1.737	1.737	0	%100
66	MP5B	Z	3.009	3.009	0	%100
67	MP3B	X	1.922	1.922	0	%100
68	MP3B	Z	3.329	3.329	0	%100
69	M74	X	1.426	1.426	0	%100
70	M74	Z	2.47	2.47	0	%100
71	M70A	X	0	0	0	%100
72	M70A	Z	0	0	0	%100
73	M71A	X	1.442	1.442	0	%100
74	M71A	Z	2.497	2.497	0	%100
75	M78	X	0	0	0	%100
76	M78	Z	0	0	0	%100
77	M79	X	1.399	1.399	0	%100
78	M79	Z	2.423	2.423	0	%100
79	M80	X	1.399	1.399	0	%100
80	M80	Z	2.423	2.423	0	%100
81	M81	X	1.633	1.633	0	%100
82	M81	Z	2.829	2.829	0	%100
83	M82	X	2.562	2.562	0	%100
84	M82	Z	4.438	4.438	0	%100
85	M83	X	1.633	1.633	0	%100
86	M83	Z	2.829	2.829	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	1.503	1.503	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	3.224	3.224	0	%100
7	M7A	X	0	0	0	%100
8	M7A	Z	6.05	6.05	0	%100
9	M8	X	0	0	0	%100
10	M8	Z	3.224	3.224	0	%100
11	M7B	X	0	0	0	%100
12	M7B	Z	3.375	3.375	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	.376	.376	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
15	M10	X	0	0	0	%100
16	M10	Z	.806	.806	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	1.513	1.513	0	%100
19	M12	X	0	0	0	%100
20	M12	Z	.806	.806	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	3.375	3.375	0	%100
23	M15	X	0	0	0	%100
24	M15	Z	.376	.376	0	%100
25	M16	X	0	0	0	%100
26	M16	Z	.806	.806	0	%100
27	M17	X	0	0	0	%100
28	M17	Z	1.513	1.513	0	%100
29	M18	X	0	0	0	%100
30	M18	Z	.806	.806	0	%100
31	M19	X	0	0	0	%100
32	M19	Z	7.882	7.882	0	%100
33	M20	X	0	0	0	%100
34	M20	Z	1.971	1.971	0	%100
35	M21	X	0	0	0	%100
36	M21	Z	1.971	1.971	0	%100
37	M22	X	0	0	0	%100
38	M22	Z	3.844	3.844	0	%100
39	MP1A	X	0	0	0	%100
40	MP1A	Z	3.475	3.475	0	%100
41	MP2A	X	0	0	0	%100
42	MP2A	Z	3.475	3.475	0	%100
43	MP4A	X	0	0	0	%100
44	MP4A	Z	3.475	3.475	0	%100
45	MP5A	X	0	0	0	%100
46	MP5A	Z	3.475	3.475	0	%100
47	MP3A	X	0	0	0	%100
48	MP3A	Z	3.844	3.844	0	%100
49	MP1C	X	0	0	0	%100
50	MP1C	Z	3.475	3.475	0	%100
51	MP2C	X	0	0	0	%100
52	MP2C	Z	3.475	3.475	0	%100
53	MP4C	X	0	0	0	%100
54	MP4C	Z	3.475	3.475	0	%100
55	MP5C	X	0	0	0	%100
56	MP5C	Z	3.475	3.475	0	%100
57	MP3C	X	0	0	0	%100
58	MP3C	Z	3.844	3.844	0	%100
59	MP1B	X	0	0	0	%100
60	MP1B	Z	3.475	3.475	0	%100
61	MP2B	X	0	0	0	%100
62	MP2B	Z	3.475	3.475	0	%100
63	MP4B	X	0	0	0	%100
64	MP4B	Z	3.475	3.475	0	%100
65	MP5B	X	0	0	0	%100
66	MP5B	Z	3.475	3.475	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
67	MP3B	X	0	0	0	%100
68	MP3B	Z	3.844	3.844	0	%100
69	M74	X	0	0	0	%100
70	M74	Z	2.852	2.852	0	%100
71	M70A	X	0	0	0	%100
72	M70A	Z	.961	.961	0	%100
73	M71A	X	0	0	0	%100
74	M71A	Z	.961	.961	0	%100
75	M78	X	0	0	0	%100
76	M78	Z	.933	.933	0	%100
77	M79	X	0	0	0	%100
78	M79	Z	3.731	3.731	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	.933	.933	0	%100
81	M81	X	0	0	0	%100
82	M81	Z	2.647	2.647	0	%100
83	M82	X	0	0	0	%100
84	M82	Z	4.505	4.505	0	%100
85	M83	X	0	0	0	%100
86	M83	Z	4.505	4.505	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.563	-.563	0	%100
2	M1	Z	.974	.974	0	%100
3	M4	X	-.564	-.564	0	%100
4	M4	Z	.976	.976	0	%100
5	M7	X	-1.209	-1.209	0	%100
6	M7	Z	2.094	2.094	0	%100
7	M7A	X	-2.269	-2.269	0	%100
8	M7A	Z	3.93	3.93	0	%100
9	M8	X	-1.209	-1.209	0	%100
10	M8	Z	2.094	2.094	0	%100
11	M7B	X	-.563	-.563	0	%100
12	M7B	Z	.974	.974	0	%100
13	M9	X	-.564	-.564	0	%100
14	M9	Z	.976	.976	0	%100
15	M10	X	-1.209	-1.209	0	%100
16	M10	Z	2.094	2.094	0	%100
17	M11	X	-2.269	-2.269	0	%100
18	M11	Z	3.93	3.93	0	%100
19	M12	X	-1.209	-1.209	0	%100
20	M12	Z	2.094	2.094	0	%100
21	M13	X	-2.25	-2.25	0	%100
22	M13	Z	3.897	3.897	0	%100
23	M15	X	0	0	0	%100
24	M15	Z	0	0	0	%100
25	M16	X	0	0	0	%100
26	M16	Z	0	0	0	%100
27	M17	X	0	0	0	%100
28	M17	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,...	Start Location[ft,%]	End Location[ft,%]
29	M18	X	0	0	0	%100
30	M18	Z	0	0	0	%100
31	M19	X	-2.956	-2.956	0	%100
32	M19	Z	5.12	5.12	0	%100
33	M20	X	-2.956	-2.956	0	%100
34	M20	Z	5.12	5.12	0	%100
35	M21	X	0	0	0	%100
36	M21	Z	0	0	0	%100
37	M22	X	-1.442	-1.442	0	%100
38	M22	Z	2.497	2.497	0	%100
39	MP1A	X	-1.737	-1.737	0	%100
40	MP1A	Z	3.009	3.009	0	%100
41	MP2A	X	-1.737	-1.737	0	%100
42	MP2A	Z	3.009	3.009	0	%100
43	MP4A	X	-1.737	-1.737	0	%100
44	MP4A	Z	3.009	3.009	0	%100
45	MP5A	X	-1.737	-1.737	0	%100
46	MP5A	Z	3.009	3.009	0	%100
47	MP3A	X	-1.922	-1.922	0	%100
48	MP3A	Z	3.329	3.329	0	%100
49	MP1C	X	-1.737	-1.737	0	%100
50	MP1C	Z	3.009	3.009	0	%100
51	MP2C	X	-1.737	-1.737	0	%100
52	MP2C	Z	3.009	3.009	0	%100
53	MP4C	X	-1.737	-1.737	0	%100
54	MP4C	Z	3.009	3.009	0	%100
55	MP5C	X	-1.737	-1.737	0	%100
56	MP5C	Z	3.009	3.009	0	%100
57	MP3C	X	-1.922	-1.922	0	%100
58	MP3C	Z	3.329	3.329	0	%100
59	MP1B	X	-1.737	-1.737	0	%100
60	MP1B	Z	3.009	3.009	0	%100
61	MP2B	X	-1.737	-1.737	0	%100
62	MP2B	Z	3.009	3.009	0	%100
63	MP4B	X	-1.737	-1.737	0	%100
64	MP4B	Z	3.009	3.009	0	%100
65	MP5B	X	-1.737	-1.737	0	%100
66	MP5B	Z	3.009	3.009	0	%100
67	MP3B	X	-1.922	-1.922	0	%100
68	MP3B	Z	3.329	3.329	0	%100
69	M74	X	-1.426	-1.426	0	%100
70	M74	Z	2.47	2.47	0	%100
71	M70A	X	-1.442	-1.442	0	%100
72	M70A	Z	2.497	2.497	0	%100
73	M71A	X	0	0	0	%100
74	M71A	Z	0	0	0	%100
75	M78	X	-1.399	-1.399	0	%100
76	M78	Z	2.423	2.423	0	%100
77	M79	X	-1.399	-1.399	0	%100
78	M79	Z	2.423	2.423	0	%100
79	M80	X	0	0	0	%100
80	M80	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,...	Start Location[ft,%]	End Location[ft,%]
81	M81	X	-1.633	-1.633	0	%100
82	M81	Z	2.829	2.829	0	%100
83	M82	X	-1.633	-1.633	0	%100
84	M82	Z	2.829	2.829	0	%100
85	M83	X	-2.562	-2.562	0	%100
86	M83	Z	4.438	4.438	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.923	-2.923	0	%100
2	M1	Z	1.688	1.688	0	%100
3	M4	X	-.325	-.325	0	%100
4	M4	Z	.188	.188	0	%100
5	M7	X	-.698	-.698	0	%100
6	M7	Z	.403	.403	0	%100
7	M7A	X	-1.31	-1.31	0	%100
8	M7A	Z	.756	.756	0	%100
9	M8	X	-.698	-.698	0	%100
10	M8	Z	.403	.403	0	%100
11	M7B	X	0	0	0	%100
12	M7B	Z	0	0	0	%100
13	M9	X	-1.301	-1.301	0	%100
14	M9	Z	.751	.751	0	%100
15	M10	X	-2.792	-2.792	0	%100
16	M10	Z	1.612	1.612	0	%100
17	M11	X	-5.24	-5.24	0	%100
18	M11	Z	3.025	3.025	0	%100
19	M12	X	-2.792	-2.792	0	%100
20	M12	Z	1.612	1.612	0	%100
21	M13	X	-2.923	-2.923	0	%100
22	M13	Z	1.688	1.688	0	%100
23	M15	X	-.325	-.325	0	%100
24	M15	Z	.188	.188	0	%100
25	M16	X	-.698	-.698	0	%100
26	M16	Z	.403	.403	0	%100
27	M17	X	-1.31	-1.31	0	%100
28	M17	Z	.756	.756	0	%100
29	M18	X	-.698	-.698	0	%100
30	M18	Z	.403	.403	0	%100
31	M19	X	-1.707	-1.707	0	%100
32	M19	Z	.985	.985	0	%100
33	M20	X	-6.826	-6.826	0	%100
34	M20	Z	3.941	3.941	0	%100
35	M21	X	-1.707	-1.707	0	%100
36	M21	Z	.985	.985	0	%100
37	M22	X	-.832	-.832	0	%100
38	M22	Z	.481	.481	0	%100
39	MP1A	X	-3.009	-3.009	0	%100
40	MP1A	Z	1.737	1.737	0	%100
41	MP2A	X	-3.009	-3.009	0	%100
42	MP2A	Z	1.737	1.737	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
43	MP4A	X	-3.009	-3.009	0	%100
44	MP4A	Z	1.737	1.737	0	%100
45	MP5A	X	-3.009	-3.009	0	%100
46	MP5A	Z	1.737	1.737	0	%100
47	MP3A	X	-3.329	-3.329	0	%100
48	MP3A	Z	1.922	1.922	0	%100
49	MP1C	X	-3.009	-3.009	0	%100
50	MP1C	Z	1.737	1.737	0	%100
51	MP2C	X	-3.009	-3.009	0	%100
52	MP2C	Z	1.737	1.737	0	%100
53	MP4C	X	-3.009	-3.009	0	%100
54	MP4C	Z	1.737	1.737	0	%100
55	MP5C	X	-3.009	-3.009	0	%100
56	MP5C	Z	1.737	1.737	0	%100
57	MP3C	X	-3.329	-3.329	0	%100
58	MP3C	Z	1.922	1.922	0	%100
59	MP1B	X	-3.009	-3.009	0	%100
60	MP1B	Z	1.737	1.737	0	%100
61	MP2B	X	-3.009	-3.009	0	%100
62	MP2B	Z	1.737	1.737	0	%100
63	MP4B	X	-3.009	-3.009	0	%100
64	MP4B	Z	1.737	1.737	0	%100
65	MP5B	X	-3.009	-3.009	0	%100
66	MP5B	Z	1.737	1.737	0	%100
67	MP3B	X	-3.329	-3.329	0	%100
68	MP3B	Z	1.922	1.922	0	%100
69	M74	X	-2.47	-2.47	0	%100
70	M74	Z	1.426	1.426	0	%100
71	M70A	X	-3.329	-3.329	0	%100
72	M70A	Z	1.922	1.922	0	%100
73	M71A	X	-.832	-.832	0	%100
74	M71A	Z	.481	.481	0	%100
75	M78	X	-3.231	-3.231	0	%100
76	M78	Z	1.865	1.865	0	%100
77	M79	X	-.808	-.808	0	%100
78	M79	Z	.466	.466	0	%100
79	M80	X	-.808	-.808	0	%100
80	M80	Z	.466	.466	0	%100
81	M81	X	-3.902	-3.902	0	%100
82	M81	Z	2.253	2.253	0	%100
83	M82	X	-2.293	-2.293	0	%100
84	M82	Z	1.324	1.324	0	%100
85	M83	X	-3.902	-3.902	0	%100
86	M83	Z	2.253	2.253	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-4.5	-4.5	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	0	0	0	%100
4	M4	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,...	Start Location[ft,%]	End Location[ft,%]
5	M7	X	0	0	0	%100
6	M7	Z	0	0	0	%100
7	M7A	X	0	0	0	%100
8	M7A	Z	0	0	0	%100
9	M8	X	0	0	0	%100
10	M8	Z	0	0	0	%100
11	M7B	X	-1.125	-1.125	0	%100
12	M7B	Z	0	0	0	%100
13	M9	X	-1.127	-1.127	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	-2.418	-2.418	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	-4.538	-4.538	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	-2.418	-2.418	0	%100
20	M12	Z	0	0	0	%100
21	M13	X	-1.125	-1.125	0	%100
22	M13	Z	0	0	0	%100
23	M15	X	-1.127	-1.127	0	%100
24	M15	Z	0	0	0	%100
25	M16	X	-2.418	-2.418	0	%100
26	M16	Z	0	0	0	%100
27	M17	X	-4.538	-4.538	0	%100
28	M17	Z	0	0	0	%100
29	M18	X	-2.418	-2.418	0	%100
30	M18	Z	0	0	0	%100
31	M19	X	0	0	0	%100
32	M19	Z	0	0	0	%100
33	M20	X	-5.912	-5.912	0	%100
34	M20	Z	0	0	0	%100
35	M21	X	-5.912	-5.912	0	%100
36	M21	Z	0	0	0	%100
37	M22	X	0	0	0	%100
38	M22	Z	0	0	0	%100
39	MP1A	X	-3.475	-3.475	0	%100
40	MP1A	Z	0	0	0	%100
41	MP2A	X	-3.475	-3.475	0	%100
42	MP2A	Z	0	0	0	%100
43	MP4A	X	-3.475	-3.475	0	%100
44	MP4A	Z	0	0	0	%100
45	MP5A	X	-3.475	-3.475	0	%100
46	MP5A	Z	0	0	0	%100
47	MP3A	X	-3.844	-3.844	0	%100
48	MP3A	Z	0	0	0	%100
49	MP1C	X	-3.475	-3.475	0	%100
50	MP1C	Z	0	0	0	%100
51	MP2C	X	-3.475	-3.475	0	%100
52	MP2C	Z	0	0	0	%100
53	MP4C	X	-3.475	-3.475	0	%100
54	MP4C	Z	0	0	0	%100
55	MP5C	X	-3.475	-3.475	0	%100
56	MP5C	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,...	Start Location[ft,%]	End Location[ft,%]
57	MP3C	X	-3.844	-3.844	0	%100
58	MP3C	Z	0	0	0	%100
59	MP1B	X	-3.475	-3.475	0	%100
60	MP1B	Z	0	0	0	%100
61	MP2B	X	-3.475	-3.475	0	%100
62	MP2B	Z	0	0	0	%100
63	MP4B	X	-3.475	-3.475	0	%100
64	MP4B	Z	0	0	0	%100
65	MP5B	X	-3.475	-3.475	0	%100
66	MP5B	Z	0	0	0	%100
67	MP3B	X	-3.844	-3.844	0	%100
68	MP3B	Z	0	0	0	%100
69	M74	X	-2.852	-2.852	0	%100
70	M74	Z	0	0	0	%100
71	M70A	X	-2.883	-2.883	0	%100
72	M70A	Z	0	0	0	%100
73	M71A	X	-2.883	-2.883	0	%100
74	M71A	Z	0	0	0	%100
75	M78	X	-2.798	-2.798	0	%100
76	M78	Z	0	0	0	%100
77	M79	X	0	0	0	%100
78	M79	Z	0	0	0	%100
79	M80	X	-2.798	-2.798	0	%100
80	M80	Z	0	0	0	%100
81	M81	X	-5.125	-5.125	0	%100
82	M81	Z	0	0	0	%100
83	M82	X	-3.267	-3.267	0	%100
84	M82	Z	0	0	0	%100
85	M83	X	-3.267	-3.267	0	%100
86	M83	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,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.923	-2.923	0	%100
2	M1	Z	-1.688	-1.688	0	%100
3	M4	X	-.325	-.325	0	%100
4	M4	Z	-.188	-.188	0	%100
5	M7	X	-.698	-.698	0	%100
6	M7	Z	-.403	-.403	0	%100
7	M7A	X	-1.31	-1.31	0	%100
8	M7A	Z	-.756	-.756	0	%100
9	M8	X	-.698	-.698	0	%100
10	M8	Z	-.403	-.403	0	%100
11	M7B	X	-2.923	-2.923	0	%100
12	M7B	Z	-1.688	-1.688	0	%100
13	M9	X	-.325	-.325	0	%100
14	M9	Z	-.188	-.188	0	%100
15	M10	X	-.698	-.698	0	%100
16	M10	Z	-.403	-.403	0	%100
17	M11	X	-1.31	-1.31	0	%100
18	M11	Z	-.756	-.756	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
19	M12	X	-.698	-.698	0	%100
20	M12	Z	-.403	-.403	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	0	0	0	%100
23	M15	X	-1.301	-1.301	0	%100
24	M15	Z	-.751	-.751	0	%100
25	M16	X	-2.792	-2.792	0	%100
26	M16	Z	-1.612	-1.612	0	%100
27	M17	X	-5.24	-5.24	0	%100
28	M17	Z	-3.025	-3.025	0	%100
29	M18	X	-2.792	-2.792	0	%100
30	M18	Z	-1.612	-1.612	0	%100
31	M19	X	-1.707	-1.707	0	%100
32	M19	Z	-.985	-.985	0	%100
33	M20	X	-1.707	-1.707	0	%100
34	M20	Z	-.985	-.985	0	%100
35	M21	X	-6.826	-6.826	0	%100
36	M21	Z	-3.941	-3.941	0	%100
37	M22	X	-.832	-.832	0	%100
38	M22	Z	-.481	-.481	0	%100
39	MP1A	X	-3.009	-3.009	0	%100
40	MP1A	Z	-1.737	-1.737	0	%100
41	MP2A	X	-3.009	-3.009	0	%100
42	MP2A	Z	-1.737	-1.737	0	%100
43	MP4A	X	-3.009	-3.009	0	%100
44	MP4A	Z	-1.737	-1.737	0	%100
45	MP5A	X	-3.009	-3.009	0	%100
46	MP5A	Z	-1.737	-1.737	0	%100
47	MP3A	X	-3.329	-3.329	0	%100
48	MP3A	Z	-1.922	-1.922	0	%100
49	MP1C	X	-3.009	-3.009	0	%100
50	MP1C	Z	-1.737	-1.737	0	%100
51	MP2C	X	-3.009	-3.009	0	%100
52	MP2C	Z	-1.737	-1.737	0	%100
53	MP4C	X	-3.009	-3.009	0	%100
54	MP4C	Z	-1.737	-1.737	0	%100
55	MP5C	X	-3.009	-3.009	0	%100
56	MP5C	Z	-1.737	-1.737	0	%100
57	MP3C	X	-3.329	-3.329	0	%100
58	MP3C	Z	-1.922	-1.922	0	%100
59	MP1B	X	-3.009	-3.009	0	%100
60	MP1B	Z	-1.737	-1.737	0	%100
61	MP2B	X	-3.009	-3.009	0	%100
62	MP2B	Z	-1.737	-1.737	0	%100
63	MP4B	X	-3.009	-3.009	0	%100
64	MP4B	Z	-1.737	-1.737	0	%100
65	MP5B	X	-3.009	-3.009	0	%100
66	MP5B	Z	-1.737	-1.737	0	%100
67	MP3B	X	-3.329	-3.329	0	%100
68	MP3B	Z	-1.922	-1.922	0	%100
69	M74	X	-2.47	-2.47	0	%100
70	M74	Z	-1.426	-1.426	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
71	M70A	X	-.832	-.832	0	%100
72	M70A	Z	-.481	-.481	0	%100
73	M71A	X	-3.329	-3.329	0	%100
74	M71A	Z	-1.922	-1.922	0	%100
75	M78	X	-.808	-.808	0	%100
76	M78	Z	-.466	-.466	0	%100
77	M79	X	-.808	-.808	0	%100
78	M79	Z	-.466	-.466	0	%100
79	M80	X	-3.231	-3.231	0	%100
80	M80	Z	-1.865	-1.865	0	%100
81	M81	X	-3.902	-3.902	0	%100
82	M81	Z	-2.253	-2.253	0	%100
83	M82	X	-3.902	-3.902	0	%100
84	M82	Z	-2.253	-2.253	0	%100
85	M83	X	-2.293	-2.293	0	%100
86	M83	Z	-1.324	-1.324	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.563	-.563	0	%100
2	M1	Z	-.974	-.974	0	%100
3	M4	X	-.564	-.564	0	%100
4	M4	Z	-.976	-.976	0	%100
5	M7	X	-1.209	-1.209	0	%100
6	M7	Z	-2.094	-2.094	0	%100
7	M7A	X	-2.269	-2.269	0	%100
8	M7A	Z	-3.93	-3.93	0	%100
9	M8	X	-1.209	-1.209	0	%100
10	M8	Z	-2.094	-2.094	0	%100
11	M7B	X	-2.25	-2.25	0	%100
12	M7B	Z	-3.897	-3.897	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	0	0	0	%100
20	M12	Z	0	0	0	%100
21	M13	X	-.563	-.563	0	%100
22	M13	Z	-.974	-.974	0	%100
23	M15	X	-.564	-.564	0	%100
24	M15	Z	-.976	-.976	0	%100
25	M16	X	-1.209	-1.209	0	%100
26	M16	Z	-2.094	-2.094	0	%100
27	M17	X	-2.269	-2.269	0	%100
28	M17	Z	-3.93	-3.93	0	%100
29	M18	X	-1.209	-1.209	0	%100
30	M18	Z	-2.094	-2.094	0	%100
31	M19	X	-2.956	-2.956	0	%100
32	M19	Z	-5.12	-5.12	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
33	M20	X	0	0	0	%100
34	M20	Z	0	0	0	%100
35	M21	X	-2.956	-2.956	0	%100
36	M21	Z	-5.12	-5.12	0	%100
37	M22	X	-1.442	-1.442	0	%100
38	M22	Z	-2.497	-2.497	0	%100
39	MP1A	X	-1.737	-1.737	0	%100
40	MP1A	Z	-3.009	-3.009	0	%100
41	MP2A	X	-1.737	-1.737	0	%100
42	MP2A	Z	-3.009	-3.009	0	%100
43	MP4A	X	-1.737	-1.737	0	%100
44	MP4A	Z	-3.009	-3.009	0	%100
45	MP5A	X	-1.737	-1.737	0	%100
46	MP5A	Z	-3.009	-3.009	0	%100
47	MP3A	X	-1.922	-1.922	0	%100
48	MP3A	Z	-3.329	-3.329	0	%100
49	MP1C	X	-1.737	-1.737	0	%100
50	MP1C	Z	-3.009	-3.009	0	%100
51	MP2C	X	-1.737	-1.737	0	%100
52	MP2C	Z	-3.009	-3.009	0	%100
53	MP4C	X	-1.737	-1.737	0	%100
54	MP4C	Z	-3.009	-3.009	0	%100
55	MP5C	X	-1.737	-1.737	0	%100
56	MP5C	Z	-3.009	-3.009	0	%100
57	MP3C	X	-1.922	-1.922	0	%100
58	MP3C	Z	-3.329	-3.329	0	%100
59	MP1B	X	-1.737	-1.737	0	%100
60	MP1B	Z	-3.009	-3.009	0	%100
61	MP2B	X	-1.737	-1.737	0	%100
62	MP2B	Z	-3.009	-3.009	0	%100
63	MP4B	X	-1.737	-1.737	0	%100
64	MP4B	Z	-3.009	-3.009	0	%100
65	MP5B	X	-1.737	-1.737	0	%100
66	MP5B	Z	-3.009	-3.009	0	%100
67	MP3B	X	-1.922	-1.922	0	%100
68	MP3B	Z	-3.329	-3.329	0	%100
69	M74	X	-1.426	-1.426	0	%100
70	M74	Z	-2.47	-2.47	0	%100
71	M70A	X	0	0	0	%100
72	M70A	Z	0	0	0	%100
73	M71A	X	-1.442	-1.442	0	%100
74	M71A	Z	-2.497	-2.497	0	%100
75	M78	X	0	0	0	%100
76	M78	Z	0	0	0	%100
77	M79	X	-1.399	-1.399	0	%100
78	M79	Z	-2.423	-2.423	0	%100
79	M80	X	-1.399	-1.399	0	%100
80	M80	Z	-2.423	-2.423	0	%100
81	M81	X	-1.633	-1.633	0	%100
82	M81	Z	-2.829	-2.829	0	%100
83	M82	X	-2.562	-2.562	0	%100
84	M82	Z	-4.438	-4.438	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
85	M83	X	-1.633	-1.633	0	%100
86	M83	Z	-2.829	-2.829	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	-.133	-.133	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	-.799	-.799	0	%100
7	M7A	X	0	0	0	%100
8	M7A	Z	-1.56	-1.56	0	%100
9	M8	X	0	0	0	%100
10	M8	Z	-.799	-.799	0	%100
11	M7B	X	0	0	0	%100
12	M7B	Z	-.751	-.751	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	-.033	-.033	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	-.2	-.2	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	-.39	-.39	0	%100
19	M12	X	0	0	0	%100
20	M12	Z	-.2	-.2	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	-.751	-.751	0	%100
23	M15	X	0	0	0	%100
24	M15	Z	-.033	-.033	0	%100
25	M16	X	0	0	0	%100
26	M16	Z	-.2	-.2	0	%100
27	M17	X	0	0	0	%100
28	M17	Z	-.39	-.39	0	%100
29	M18	X	0	0	0	%100
30	M18	Z	-.2	-.2	0	%100
31	M19	X	0	0	0	%100
32	M19	Z	-2.219	-2.219	0	%100
33	M20	X	0	0	0	%100
34	M20	Z	-.555	-.555	0	%100
35	M21	X	0	0	0	%100
36	M21	Z	-.555	-.555	0	%100
37	M22	X	0	0	0	%100
38	M22	Z	-.766	-.766	0	%100
39	MP1A	X	0	0	0	%100
40	MP1A	Z	-.632	-.632	0	%100
41	MP2A	X	0	0	0	%100
42	MP2A	Z	-.632	-.632	0	%100
43	MP4A	X	0	0	0	%100
44	MP4A	Z	-.632	-.632	0	%100
45	MP5A	X	0	0	0	%100
46	MP5A	Z	-.632	-.632	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
47	MP3A	X	0	0	0	%100
48	MP3A	Z	-.766	-.766	0	%100
49	MP1C	X	0	0	0	%100
50	MP1C	Z	-.632	-.632	0	%100
51	MP2C	X	0	0	0	%100
52	MP2C	Z	-.632	-.632	0	%100
53	MP4C	X	0	0	0	%100
54	MP4C	Z	-.632	-.632	0	%100
55	MP5C	X	0	0	0	%100
56	MP5C	Z	-.632	-.632	0	%100
57	MP3C	X	0	0	0	%100
58	MP3C	Z	-.766	-.766	0	%100
59	MP1B	X	0	0	0	%100
60	MP1B	Z	-.632	-.632	0	%100
61	MP2B	X	0	0	0	%100
62	MP2B	Z	-.632	-.632	0	%100
63	MP4B	X	0	0	0	%100
64	MP4B	Z	-.632	-.632	0	%100
65	MP5B	X	0	0	0	%100
66	MP5B	Z	-.632	-.632	0	%100
67	MP3B	X	0	0	0	%100
68	MP3B	Z	-.766	-.766	0	%100
69	M74	X	0	0	0	%100
70	M74	Z	-.517	-.517	0	%100
71	M70A	X	0	0	0	%100
72	M70A	Z	-.191	-.191	0	%100
73	M71A	X	0	0	0	%100
74	M71A	Z	-.191	-.191	0	%100
75	M78	X	0	0	0	%100
76	M78	Z	-.229	-.229	0	%100
77	M79	X	0	0	0	%100
78	M79	Z	-.916	-.916	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	-.229	-.229	0	%100
81	M81	X	0	0	0	%100
82	M81	Z	-.736	-.736	0	%100
83	M82	X	0	0	0	%100
84	M82	Z	-1.104	-1.104	0	%100
85	M83	X	0	0	0	%100
86	M83	Z	-1.104	-1.104	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.125	.125	0	%100
2	M1	Z	-.217	-.217	0	%100
3	M4	X	.05	.05	0	%100
4	M4	Z	-.087	-.087	0	%100
5	M7	X	.3	.3	0	%100
6	M7	Z	-.519	-.519	0	%100
7	M7A	X	.585	.585	0	%100
8	M7A	Z	-1.013	-1.013	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
9	M8	X	.3	.3	0	%100
10	M8	Z	-.519	-.519	0	%100
11	M7B	X	.125	.125	0	%100
12	M7B	Z	-.217	-.217	0	%100
13	M9	X	.05	.05	0	%100
14	M9	Z	-.087	-.087	0	%100
15	M10	X	.3	.3	0	%100
16	M10	Z	-.519	-.519	0	%100
17	M11	X	.585	.585	0	%100
18	M11	Z	-1.013	-1.013	0	%100
19	M12	X	.3	.3	0	%100
20	M12	Z	-.519	-.519	0	%100
21	M13	X	.501	.501	0	%100
22	M13	Z	-.867	-.867	0	%100
23	M15	X	0	0	0	%100
24	M15	Z	0	0	0	%100
25	M16	X	0	0	0	%100
26	M16	Z	0	0	0	%100
27	M17	X	0	0	0	%100
28	M17	Z	0	0	0	%100
29	M18	X	0	0	0	%100
30	M18	Z	0	0	0	%100
31	M19	X	.832	.832	0	%100
32	M19	Z	-1.441	-1.441	0	%100
33	M20	X	.832	.832	0	%100
34	M20	Z	-1.441	-1.441	0	%100
35	M21	X	0	0	0	%100
36	M21	Z	0	0	0	%100
37	M22	X	.287	.287	0	%100
38	M22	Z	-.497	-.497	0	%100
39	MP1A	X	.316	.316	0	%100
40	MP1A	Z	-.548	-.548	0	%100
41	MP2A	X	.316	.316	0	%100
42	MP2A	Z	-.548	-.548	0	%100
43	MP4A	X	.316	.316	0	%100
44	MP4A	Z	-.548	-.548	0	%100
45	MP5A	X	.316	.316	0	%100
46	MP5A	Z	-.548	-.548	0	%100
47	MP3A	X	.383	.383	0	%100
48	MP3A	Z	-.663	-.663	0	%100
49	MP1C	X	.316	.316	0	%100
50	MP1C	Z	-.548	-.548	0	%100
51	MP2C	X	.316	.316	0	%100
52	MP2C	Z	-.548	-.548	0	%100
53	MP4C	X	.316	.316	0	%100
54	MP4C	Z	-.548	-.548	0	%100
55	MP5C	X	.316	.316	0	%100
56	MP5C	Z	-.548	-.548	0	%100
57	MP3C	X	.383	.383	0	%100
58	MP3C	Z	-.663	-.663	0	%100
59	MP1B	X	.316	.316	0	%100
60	MP1B	Z	-.548	-.548	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
61	MP2B	X	.316	.316	0	%100
62	MP2B	Z	-.548	-.548	0	%100
63	MP4B	X	.316	.316	0	%100
64	MP4B	Z	-.548	-.548	0	%100
65	MP5B	X	.316	.316	0	%100
66	MP5B	Z	-.548	-.548	0	%100
67	MP3B	X	.383	.383	0	%100
68	MP3B	Z	-.663	-.663	0	%100
69	M74	X	.259	.259	0	%100
70	M74	Z	-.448	-.448	0	%100
71	M70A	X	.287	.287	0	%100
72	M70A	Z	-.497	-.497	0	%100
73	M71A	X	0	0	0	%100
74	M71A	Z	0	0	0	%100
75	M78	X	.343	.343	0	%100
76	M78	Z	-.595	-.595	0	%100
77	M79	X	.343	.343	0	%100
78	M79	Z	-.595	-.595	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	0	0	0	%100
81	M81	X	.429	.429	0	%100
82	M81	Z	-.744	-.744	0	%100
83	M82	X	.429	.429	0	%100
84	M82	Z	-.744	-.744	0	%100
85	M83	X	.613	.613	0	%100
86	M83	Z	-1.062	-1.062	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.651	.651	0	%100
2	M1	Z	-.376	-.376	0	%100
3	M4	X	.029	.029	0	%100
4	M4	Z	-.017	-.017	0	%100
5	M7	X	.173	.173	0	%100
6	M7	Z	-.1	-.1	0	%100
7	M7A	X	.338	.338	0	%100
8	M7A	Z	-.195	-.195	0	%100
9	M8	X	.173	.173	0	%100
10	M8	Z	-.1	-.1	0	%100
11	M7B	X	0	0	0	%100
12	M7B	Z	0	0	0	%100
13	M9	X	.116	.116	0	%100
14	M9	Z	-.067	-.067	0	%100
15	M10	X	.692	.692	0	%100
16	M10	Z	-.399	-.399	0	%100
17	M11	X	1.351	1.351	0	%100
18	M11	Z	-.78	-.78	0	%100
19	M12	X	.692	.692	0	%100
20	M12	Z	-.399	-.399	0	%100
21	M13	X	.651	.651	0	%100
22	M13	Z	-.376	-.376	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
23	M15	X	.029	.029	0	%100
24	M15	Z	-.017	-.017	0	%100
25	M16	X	.173	.173	0	%100
26	M16	Z	-.1	-.1	0	%100
27	M17	X	.338	.338	0	%100
28	M17	Z	-.195	-.195	0	%100
29	M18	X	.173	.173	0	%100
30	M18	Z	-.1	-.1	0	%100
31	M19	X	.48	.48	0	%100
32	M19	Z	-.277	-.277	0	%100
33	M20	X	1.922	1.922	0	%100
34	M20	Z	-1.11	-1.11	0	%100
35	M21	X	.48	.48	0	%100
36	M21	Z	-.277	-.277	0	%100
37	M22	X	.166	.166	0	%100
38	M22	Z	-.096	-.096	0	%100
39	MP1A	X	.548	.548	0	%100
40	MP1A	Z	-.316	-.316	0	%100
41	MP2A	X	.548	.548	0	%100
42	MP2A	Z	-.316	-.316	0	%100
43	MP4A	X	.548	.548	0	%100
44	MP4A	Z	-.316	-.316	0	%100
45	MP5A	X	.548	.548	0	%100
46	MP5A	Z	-.316	-.316	0	%100
47	MP3A	X	.663	.663	0	%100
48	MP3A	Z	-.383	-.383	0	%100
49	MP1C	X	.548	.548	0	%100
50	MP1C	Z	-.316	-.316	0	%100
51	MP2C	X	.548	.548	0	%100
52	MP2C	Z	-.316	-.316	0	%100
53	MP4C	X	.548	.548	0	%100
54	MP4C	Z	-.316	-.316	0	%100
55	MP5C	X	.548	.548	0	%100
56	MP5C	Z	-.316	-.316	0	%100
57	MP3C	X	.663	.663	0	%100
58	MP3C	Z	-.383	-.383	0	%100
59	MP1B	X	.548	.548	0	%100
60	MP1B	Z	-.316	-.316	0	%100
61	MP2B	X	.548	.548	0	%100
62	MP2B	Z	-.316	-.316	0	%100
63	MP4B	X	.548	.548	0	%100
64	MP4B	Z	-.316	-.316	0	%100
65	MP5B	X	.548	.548	0	%100
66	MP5B	Z	-.316	-.316	0	%100
67	MP3B	X	.663	.663	0	%100
68	MP3B	Z	-.383	-.383	0	%100
69	M74	X	.448	.448	0	%100
70	M74	Z	-.259	-.259	0	%100
71	M70A	X	.663	.663	0	%100
72	M70A	Z	-.383	-.383	0	%100
73	M71A	X	.166	.166	0	%100
74	M71A	Z	-.096	-.096	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
75	M78	X	.793	.793	0	%100
76	M78	Z	-.458	-.458	0	%100
77	M79	X	.198	.198	0	%100
78	M79	Z	-.114	-.114	0	%100
79	M80	X	.198	.198	0	%100
80	M80	Z	-.114	-.114	0	%100
81	M81	X	.956	.956	0	%100
82	M81	Z	-.552	-.552	0	%100
83	M82	X	.638	.638	0	%100
84	M82	Z	-.368	-.368	0	%100
85	M83	X	.956	.956	0	%100
86	M83	Z	-.552	-.552	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.002	1.002	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	0	0	0	%100
7	M7A	X	0	0	0	%100
8	M7A	Z	0	0	0	%100
9	M8	X	0	0	0	%100
10	M8	Z	0	0	0	%100
11	M7B	X	.25	.25	0	%100
12	M7B	Z	0	0	0	%100
13	M9	X	.1	.1	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	.599	.599	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	1.17	1.17	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	.599	.599	0	%100
20	M12	Z	0	0	0	%100
21	M13	X	.25	.25	0	%100
22	M13	Z	0	0	0	%100
23	M15	X	.1	.1	0	%100
24	M15	Z	0	0	0	%100
25	M16	X	.599	.599	0	%100
26	M16	Z	0	0	0	%100
27	M17	X	1.17	1.17	0	%100
28	M17	Z	0	0	0	%100
29	M18	X	.599	.599	0	%100
30	M18	Z	0	0	0	%100
31	M19	X	0	0	0	%100
32	M19	Z	0	0	0	%100
33	M20	X	1.664	1.664	0	%100
34	M20	Z	0	0	0	%100
35	M21	X	1.664	1.664	0	%100
36	M21	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,...	Start Location[ft,%]	End Location[ft,%]
37	M22	X	0	0	0	%100
38	M22	Z	0	0	0	%100
39	MP1A	X	.632	.632	0	%100
40	MP1A	Z	0	0	0	%100
41	MP2A	X	.632	.632	0	%100
42	MP2A	Z	0	0	0	%100
43	MP4A	X	.632	.632	0	%100
44	MP4A	Z	0	0	0	%100
45	MP5A	X	.632	.632	0	%100
46	MP5A	Z	0	0	0	%100
47	MP3A	X	.766	.766	0	%100
48	MP3A	Z	0	0	0	%100
49	MP1C	X	.632	.632	0	%100
50	MP1C	Z	0	0	0	%100
51	MP2C	X	.632	.632	0	%100
52	MP2C	Z	0	0	0	%100
53	MP4C	X	.632	.632	0	%100
54	MP4C	Z	0	0	0	%100
55	MP5C	X	.632	.632	0	%100
56	MP5C	Z	0	0	0	%100
57	MP3C	X	.766	.766	0	%100
58	MP3C	Z	0	0	0	%100
59	MP1B	X	.632	.632	0	%100
60	MP1B	Z	0	0	0	%100
61	MP2B	X	.632	.632	0	%100
62	MP2B	Z	0	0	0	%100
63	MP4B	X	.632	.632	0	%100
64	MP4B	Z	0	0	0	%100
65	MP5B	X	.632	.632	0	%100
66	MP5B	Z	0	0	0	%100
67	MP3B	X	.766	.766	0	%100
68	MP3B	Z	0	0	0	%100
69	M74	X	.517	.517	0	%100
70	M74	Z	0	0	0	%100
71	M70A	X	.574	.574	0	%100
72	M70A	Z	0	0	0	%100
73	M71A	X	.574	.574	0	%100
74	M71A	Z	0	0	0	%100
75	M78	X	.687	.687	0	%100
76	M78	Z	0	0	0	%100
77	M79	X	0	0	0	%100
78	M79	Z	0	0	0	%100
79	M80	X	.687	.687	0	%100
80	M80	Z	0	0	0	%100
81	M81	X	1.226	1.226	0	%100
82	M81	Z	0	0	0	%100
83	M82	X	.859	.859	0	%100
84	M82	Z	0	0	0	%100
85	M83	X	.859	.859	0	%100
86	M83	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,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.651	.651	0	%100
2	M1	Z	.376	.376	0	%100
3	M4	X	.029	.029	0	%100
4	M4	Z	.017	.017	0	%100
5	M7	X	.173	.173	0	%100
6	M7	Z	.1	.1	0	%100
7	M7A	X	.338	.338	0	%100
8	M7A	Z	.195	.195	0	%100
9	M8	X	.173	.173	0	%100
10	M8	Z	.1	.1	0	%100
11	M7B	X	.651	.651	0	%100
12	M7B	Z	.376	.376	0	%100
13	M9	X	.029	.029	0	%100
14	M9	Z	.017	.017	0	%100
15	M10	X	.173	.173	0	%100
16	M10	Z	.1	.1	0	%100
17	M11	X	.338	.338	0	%100
18	M11	Z	.195	.195	0	%100
19	M12	X	.173	.173	0	%100
20	M12	Z	.1	.1	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	0	0	0	%100
23	M15	X	.116	.116	0	%100
24	M15	Z	.067	.067	0	%100
25	M16	X	.692	.692	0	%100
26	M16	Z	.399	.399	0	%100
27	M17	X	1.351	1.351	0	%100
28	M17	Z	.78	.78	0	%100
29	M18	X	.692	.692	0	%100
30	M18	Z	.399	.399	0	%100
31	M19	X	.48	.48	0	%100
32	M19	Z	.277	.277	0	%100
33	M20	X	.48	.48	0	%100
34	M20	Z	.277	.277	0	%100
35	M21	X	1.922	1.922	0	%100
36	M21	Z	1.11	1.11	0	%100
37	M22	X	.166	.166	0	%100
38	M22	Z	.096	.096	0	%100
39	MP1A	X	.548	.548	0	%100
40	MP1A	Z	.316	.316	0	%100
41	MP2A	X	.548	.548	0	%100
42	MP2A	Z	.316	.316	0	%100
43	MP4A	X	.548	.548	0	%100
44	MP4A	Z	.316	.316	0	%100
45	MP5A	X	.548	.548	0	%100
46	MP5A	Z	.316	.316	0	%100
47	MP3A	X	.663	.663	0	%100
48	MP3A	Z	.383	.383	0	%100
49	MP1C	X	.548	.548	0	%100
50	MP1C	Z	.316	.316	0	%100
51	MP2C	X	.548	.548	0	%100
52	MP2C	Z	.316	.316	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
53	MP4C	X	.548	.548	0	%100
54	MP4C	Z	.316	.316	0	%100
55	MP5C	X	.548	.548	0	%100
56	MP5C	Z	.316	.316	0	%100
57	MP3C	X	.663	.663	0	%100
58	MP3C	Z	.383	.383	0	%100
59	MP1B	X	.548	.548	0	%100
60	MP1B	Z	.316	.316	0	%100
61	MP2B	X	.548	.548	0	%100
62	MP2B	Z	.316	.316	0	%100
63	MP4B	X	.548	.548	0	%100
64	MP4B	Z	.316	.316	0	%100
65	MP5B	X	.548	.548	0	%100
66	MP5B	Z	.316	.316	0	%100
67	MP3B	X	.663	.663	0	%100
68	MP3B	Z	.383	.383	0	%100
69	M74	X	.448	.448	0	%100
70	M74	Z	.259	.259	0	%100
71	M70A	X	.166	.166	0	%100
72	M70A	Z	.096	.096	0	%100
73	M71A	X	.663	.663	0	%100
74	M71A	Z	.383	.383	0	%100
75	M78	X	.198	.198	0	%100
76	M78	Z	.114	.114	0	%100
77	M79	X	.198	.198	0	%100
78	M79	Z	.114	.114	0	%100
79	M80	X	.793	.793	0	%100
80	M80	Z	.458	.458	0	%100
81	M81	X	.956	.956	0	%100
82	M81	Z	.552	.552	0	%100
83	M82	X	.956	.956	0	%100
84	M82	Z	.552	.552	0	%100
85	M83	X	.638	.638	0	%100
86	M83	Z	.368	.368	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.125	.125	0	%100
2	M1	Z	.217	.217	0	%100
3	M4	X	.05	.05	0	%100
4	M4	Z	.087	.087	0	%100
5	M7	X	.3	.3	0	%100
6	M7	Z	.519	.519	0	%100
7	M7A	X	.585	.585	0	%100
8	M7A	Z	1.013	1.013	0	%100
9	M8	X	.3	.3	0	%100
10	M8	Z	.519	.519	0	%100
11	M7B	X	.501	.501	0	%100
12	M7B	Z	.867	.867	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
15	M10	X	0	0	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	0	0	0	%100
20	M12	Z	0	0	0	%100
21	M13	X	.125	.125	0	%100
22	M13	Z	.217	.217	0	%100
23	M15	X	.05	.05	0	%100
24	M15	Z	.087	.087	0	%100
25	M16	X	.3	.3	0	%100
26	M16	Z	.519	.519	0	%100
27	M17	X	.585	.585	0	%100
28	M17	Z	1.013	1.013	0	%100
29	M18	X	.3	.3	0	%100
30	M18	Z	.519	.519	0	%100
31	M19	X	.832	.832	0	%100
32	M19	Z	1.441	1.441	0	%100
33	M20	X	0	0	0	%100
34	M20	Z	0	0	0	%100
35	M21	X	.832	.832	0	%100
36	M21	Z	1.441	1.441	0	%100
37	M22	X	.287	.287	0	%100
38	M22	Z	.497	.497	0	%100
39	MP1A	X	.316	.316	0	%100
40	MP1A	Z	.548	.548	0	%100
41	MP2A	X	.316	.316	0	%100
42	MP2A	Z	.548	.548	0	%100
43	MP4A	X	.316	.316	0	%100
44	MP4A	Z	.548	.548	0	%100
45	MP5A	X	.316	.316	0	%100
46	MP5A	Z	.548	.548	0	%100
47	MP3A	X	.383	.383	0	%100
48	MP3A	Z	.663	.663	0	%100
49	MP1C	X	.316	.316	0	%100
50	MP1C	Z	.548	.548	0	%100
51	MP2C	X	.316	.316	0	%100
52	MP2C	Z	.548	.548	0	%100
53	MP4C	X	.316	.316	0	%100
54	MP4C	Z	.548	.548	0	%100
55	MP5C	X	.316	.316	0	%100
56	MP5C	Z	.548	.548	0	%100
57	MP3C	X	.383	.383	0	%100
58	MP3C	Z	.663	.663	0	%100
59	MP1B	X	.316	.316	0	%100
60	MP1B	Z	.548	.548	0	%100
61	MP2B	X	.316	.316	0	%100
62	MP2B	Z	.548	.548	0	%100
63	MP4B	X	.316	.316	0	%100
64	MP4B	Z	.548	.548	0	%100
65	MP5B	X	.316	.316	0	%100
66	MP5B	Z	.548	.548	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
67	MP3B	X	.383	.383	0	%100
68	MP3B	Z	.663	.663	0	%100
69	M74	X	.259	.259	0	%100
70	M74	Z	.448	.448	0	%100
71	M70A	X	0	0	0	%100
72	M70A	Z	0	0	0	%100
73	M71A	X	.287	.287	0	%100
74	M71A	Z	.497	.497	0	%100
75	M78	X	0	0	0	%100
76	M78	Z	0	0	0	%100
77	M79	X	.343	.343	0	%100
78	M79	Z	.595	.595	0	%100
79	M80	X	.343	.343	0	%100
80	M80	Z	.595	.595	0	%100
81	M81	X	.429	.429	0	%100
82	M81	Z	.744	.744	0	%100
83	M82	X	.613	.613	0	%100
84	M82	Z	1.062	1.062	0	%100
85	M83	X	.429	.429	0	%100
86	M83	Z	.744	.744	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	.133	.133	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	.799	.799	0	%100
7	M7A	X	0	0	0	%100
8	M7A	Z	1.56	1.56	0	%100
9	M8	X	0	0	0	%100
10	M8	Z	.799	.799	0	%100
11	M7B	X	0	0	0	%100
12	M7B	Z	.751	.751	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	.033	.033	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	.2	.2	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	.39	.39	0	%100
19	M12	X	0	0	0	%100
20	M12	Z	.2	.2	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	.751	.751	0	%100
23	M15	X	0	0	0	%100
24	M15	Z	.033	.033	0	%100
25	M16	X	0	0	0	%100
26	M16	Z	.2	.2	0	%100
27	M17	X	0	0	0	%100
28	M17	Z	.39	.39	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
29	M18	X	0	0	0	%100
30	M18	Z	.2	.2	0	%100
31	M19	X	0	0	0	%100
32	M19	Z	2.219	2.219	0	%100
33	M20	X	0	0	0	%100
34	M20	Z	.555	.555	0	%100
35	M21	X	0	0	0	%100
36	M21	Z	.555	.555	0	%100
37	M22	X	0	0	0	%100
38	M22	Z	.766	.766	0	%100
39	MP1A	X	0	0	0	%100
40	MP1A	Z	.632	.632	0	%100
41	MP2A	X	0	0	0	%100
42	MP2A	Z	.632	.632	0	%100
43	MP4A	X	0	0	0	%100
44	MP4A	Z	.632	.632	0	%100
45	MP5A	X	0	0	0	%100
46	MP5A	Z	.632	.632	0	%100
47	MP3A	X	0	0	0	%100
48	MP3A	Z	.766	.766	0	%100
49	MP1C	X	0	0	0	%100
50	MP1C	Z	.632	.632	0	%100
51	MP2C	X	0	0	0	%100
52	MP2C	Z	.632	.632	0	%100
53	MP4C	X	0	0	0	%100
54	MP4C	Z	.632	.632	0	%100
55	MP5C	X	0	0	0	%100
56	MP5C	Z	.632	.632	0	%100
57	MP3C	X	0	0	0	%100
58	MP3C	Z	.766	.766	0	%100
59	MP1B	X	0	0	0	%100
60	MP1B	Z	.632	.632	0	%100
61	MP2B	X	0	0	0	%100
62	MP2B	Z	.632	.632	0	%100
63	MP4B	X	0	0	0	%100
64	MP4B	Z	.632	.632	0	%100
65	MP5B	X	0	0	0	%100
66	MP5B	Z	.632	.632	0	%100
67	MP3B	X	0	0	0	%100
68	MP3B	Z	.766	.766	0	%100
69	M74	X	0	0	0	%100
70	M74	Z	.517	.517	0	%100
71	M70A	X	0	0	0	%100
72	M70A	Z	.191	.191	0	%100
73	M71A	X	0	0	0	%100
74	M71A	Z	.191	.191	0	%100
75	M78	X	0	0	0	%100
76	M78	Z	.229	.229	0	%100
77	M79	X	0	0	0	%100
78	M79	Z	.916	.916	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	.229	.229	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
81	M81	X	0	0	0	%100
82	M81	Z	.736	.736	0	%100
83	M82	X	0	0	0	%100
84	M82	Z	1.104	1.104	0	%100
85	M83	X	0	0	0	%100
86	M83	Z	1.104	1.104	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.125	-.125	0	%100
2	M1	Z	.217	.217	0	%100
3	M4	X	-.05	-.05	0	%100
4	M4	Z	.087	.087	0	%100
5	M7	X	-.3	-.3	0	%100
6	M7	Z	.519	.519	0	%100
7	M7A	X	-.585	-.585	0	%100
8	M7A	Z	1.013	1.013	0	%100
9	M8	X	-.3	-.3	0	%100
10	M8	Z	.519	.519	0	%100
11	M7B	X	-.125	-.125	0	%100
12	M7B	Z	.217	.217	0	%100
13	M9	X	-.05	-.05	0	%100
14	M9	Z	.087	.087	0	%100
15	M10	X	-.3	-.3	0	%100
16	M10	Z	.519	.519	0	%100
17	M11	X	-.585	-.585	0	%100
18	M11	Z	1.013	1.013	0	%100
19	M12	X	-.3	-.3	0	%100
20	M12	Z	.519	.519	0	%100
21	M13	X	-.501	-.501	0	%100
22	M13	Z	.867	.867	0	%100
23	M15	X	0	0	0	%100
24	M15	Z	0	0	0	%100
25	M16	X	0	0	0	%100
26	M16	Z	0	0	0	%100
27	M17	X	0	0	0	%100
28	M17	Z	0	0	0	%100
29	M18	X	0	0	0	%100
30	M18	Z	0	0	0	%100
31	M19	X	-.832	-.832	0	%100
32	M19	Z	1.441	1.441	0	%100
33	M20	X	-.832	-.832	0	%100
34	M20	Z	1.441	1.441	0	%100
35	M21	X	0	0	0	%100
36	M21	Z	0	0	0	%100
37	M22	X	-.287	-.287	0	%100
38	M22	Z	.497	.497	0	%100
39	MP1A	X	-.316	-.316	0	%100
40	MP1A	Z	.548	.548	0	%100
41	MP2A	X	-.316	-.316	0	%100
42	MP2A	Z	.548	.548	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
43	MP4A	X	-.316	-.316	0	%100
44	MP4A	Z	.548	.548	0	%100
45	MP5A	X	-.316	-.316	0	%100
46	MP5A	Z	.548	.548	0	%100
47	MP3A	X	-.383	-.383	0	%100
48	MP3A	Z	.663	.663	0	%100
49	MP1C	X	-.316	-.316	0	%100
50	MP1C	Z	.548	.548	0	%100
51	MP2C	X	-.316	-.316	0	%100
52	MP2C	Z	.548	.548	0	%100
53	MP4C	X	-.316	-.316	0	%100
54	MP4C	Z	.548	.548	0	%100
55	MP5C	X	-.316	-.316	0	%100
56	MP5C	Z	.548	.548	0	%100
57	MP3C	X	-.383	-.383	0	%100
58	MP3C	Z	.663	.663	0	%100
59	MP1B	X	-.316	-.316	0	%100
60	MP1B	Z	.548	.548	0	%100
61	MP2B	X	-.316	-.316	0	%100
62	MP2B	Z	.548	.548	0	%100
63	MP4B	X	-.316	-.316	0	%100
64	MP4B	Z	.548	.548	0	%100
65	MP5B	X	-.316	-.316	0	%100
66	MP5B	Z	.548	.548	0	%100
67	MP3B	X	-.383	-.383	0	%100
68	MP3B	Z	.663	.663	0	%100
69	M74	X	-.259	-.259	0	%100
70	M74	Z	.448	.448	0	%100
71	M70A	X	-.287	-.287	0	%100
72	M70A	Z	.497	.497	0	%100
73	M71A	X	0	0	0	%100
74	M71A	Z	0	0	0	%100
75	M78	X	-.343	-.343	0	%100
76	M78	Z	.595	.595	0	%100
77	M79	X	-.343	-.343	0	%100
78	M79	Z	.595	.595	0	%100
79	M80	X	0	0	0	%100
80	M80	Z	0	0	0	%100
81	M81	X	-.429	-.429	0	%100
82	M81	Z	.744	.744	0	%100
83	M82	X	-.429	-.429	0	%100
84	M82	Z	.744	.744	0	%100
85	M83	X	-.613	-.613	0	%100
86	M83	Z	1.062	1.062	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.651	-.651	0	%100
2	M1	Z	.376	.376	0	%100
3	M4	X	-.029	-.029	0	%100
4	M4	Z	.017	.017	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
5	M7	X	-.173	-.173	0	%100
6	M7	Z	.1	.1	0	%100
7	M7A	X	-.338	-.338	0	%100
8	M7A	Z	.195	.195	0	%100
9	M8	X	-.173	-.173	0	%100
10	M8	Z	.1	.1	0	%100
11	M7B	X	0	0	0	%100
12	M7B	Z	0	0	0	%100
13	M9	X	-.116	-.116	0	%100
14	M9	Z	.067	.067	0	%100
15	M10	X	-.692	-.692	0	%100
16	M10	Z	.399	.399	0	%100
17	M11	X	-1.351	-1.351	0	%100
18	M11	Z	.78	.78	0	%100
19	M12	X	-.692	-.692	0	%100
20	M12	Z	.399	.399	0	%100
21	M13	X	-.651	-.651	0	%100
22	M13	Z	.376	.376	0	%100
23	M15	X	-.029	-.029	0	%100
24	M15	Z	.017	.017	0	%100
25	M16	X	-.173	-.173	0	%100
26	M16	Z	.1	.1	0	%100
27	M17	X	-.338	-.338	0	%100
28	M17	Z	.195	.195	0	%100
29	M18	X	-.173	-.173	0	%100
30	M18	Z	.1	.1	0	%100
31	M19	X	-.48	-.48	0	%100
32	M19	Z	.277	.277	0	%100
33	M20	X	-1.922	-1.922	0	%100
34	M20	Z	1.11	1.11	0	%100
35	M21	X	-.48	-.48	0	%100
36	M21	Z	.277	.277	0	%100
37	M22	X	-.166	-.166	0	%100
38	M22	Z	.096	.096	0	%100
39	MP1A	X	-.548	-.548	0	%100
40	MP1A	Z	.316	.316	0	%100
41	MP2A	X	-.548	-.548	0	%100
42	MP2A	Z	.316	.316	0	%100
43	MP4A	X	-.548	-.548	0	%100
44	MP4A	Z	.316	.316	0	%100
45	MP5A	X	-.548	-.548	0	%100
46	MP5A	Z	.316	.316	0	%100
47	MP3A	X	-.663	-.663	0	%100
48	MP3A	Z	.383	.383	0	%100
49	MP1C	X	-.548	-.548	0	%100
50	MP1C	Z	.316	.316	0	%100
51	MP2C	X	-.548	-.548	0	%100
52	MP2C	Z	.316	.316	0	%100
53	MP4C	X	-.548	-.548	0	%100
54	MP4C	Z	.316	.316	0	%100
55	MP5C	X	-.548	-.548	0	%100
56	MP5C	Z	.316	.316	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
57	MP3C	X	-.663	-.663	0	%100
58	MP3C	Z	.383	.383	0	%100
59	MP1B	X	-.548	-.548	0	%100
60	MP1B	Z	.316	.316	0	%100
61	MP2B	X	-.548	-.548	0	%100
62	MP2B	Z	.316	.316	0	%100
63	MP4B	X	-.548	-.548	0	%100
64	MP4B	Z	.316	.316	0	%100
65	MP5B	X	-.548	-.548	0	%100
66	MP5B	Z	.316	.316	0	%100
67	MP3B	X	-.663	-.663	0	%100
68	MP3B	Z	.383	.383	0	%100
69	M74	X	-.448	-.448	0	%100
70	M74	Z	.259	.259	0	%100
71	M70A	X	-.663	-.663	0	%100
72	M70A	Z	.383	.383	0	%100
73	M71A	X	-.166	-.166	0	%100
74	M71A	Z	.096	.096	0	%100
75	M78	X	-.793	-.793	0	%100
76	M78	Z	.458	.458	0	%100
77	M79	X	-.198	-.198	0	%100
78	M79	Z	.114	.114	0	%100
79	M80	X	-.198	-.198	0	%100
80	M80	Z	.114	.114	0	%100
81	M81	X	-.956	-.956	0	%100
82	M81	Z	.552	.552	0	%100
83	M82	X	-.638	-.638	0	%100
84	M82	Z	.368	.368	0	%100
85	M83	X	-.956	-.956	0	%100
86	M83	Z	.552	.552	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.002	-1.002	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	0	0	0	%100
7	M7A	X	0	0	0	%100
8	M7A	Z	0	0	0	%100
9	M8	X	0	0	0	%100
10	M8	Z	0	0	0	%100
11	M7B	X	-.25	-.25	0	%100
12	M7B	Z	0	0	0	%100
13	M9	X	-.1	-.1	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	-.599	-.599	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	-1.17	-1.17	0	%100
18	M11	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,...	Start Location[ft,%]	End Location[ft,%]
19	M12	X	-.599	-.599	0	%100
20	M12	Z	0	0	0	%100
21	M13	X	-.25	-.25	0	%100
22	M13	Z	0	0	0	%100
23	M15	X	-.1	-.1	0	%100
24	M15	Z	0	0	0	%100
25	M16	X	-.599	-.599	0	%100
26	M16	Z	0	0	0	%100
27	M17	X	-1.17	-1.17	0	%100
28	M17	Z	0	0	0	%100
29	M18	X	-.599	-.599	0	%100
30	M18	Z	0	0	0	%100
31	M19	X	0	0	0	%100
32	M19	Z	0	0	0	%100
33	M20	X	-1.664	-1.664	0	%100
34	M20	Z	0	0	0	%100
35	M21	X	-1.664	-1.664	0	%100
36	M21	Z	0	0	0	%100
37	M22	X	0	0	0	%100
38	M22	Z	0	0	0	%100
39	MP1A	X	-.632	-.632	0	%100
40	MP1A	Z	0	0	0	%100
41	MP2A	X	-.632	-.632	0	%100
42	MP2A	Z	0	0	0	%100
43	MP4A	X	-.632	-.632	0	%100
44	MP4A	Z	0	0	0	%100
45	MP5A	X	-.632	-.632	0	%100
46	MP5A	Z	0	0	0	%100
47	MP3A	X	-.766	-.766	0	%100
48	MP3A	Z	0	0	0	%100
49	MP1C	X	-.632	-.632	0	%100
50	MP1C	Z	0	0	0	%100
51	MP2C	X	-.632	-.632	0	%100
52	MP2C	Z	0	0	0	%100
53	MP4C	X	-.632	-.632	0	%100
54	MP4C	Z	0	0	0	%100
55	MP5C	X	-.632	-.632	0	%100
56	MP5C	Z	0	0	0	%100
57	MP3C	X	-.766	-.766	0	%100
58	MP3C	Z	0	0	0	%100
59	MP1B	X	-.632	-.632	0	%100
60	MP1B	Z	0	0	0	%100
61	MP2B	X	-.632	-.632	0	%100
62	MP2B	Z	0	0	0	%100
63	MP4B	X	-.632	-.632	0	%100
64	MP4B	Z	0	0	0	%100
65	MP5B	X	-.632	-.632	0	%100
66	MP5B	Z	0	0	0	%100
67	MP3B	X	-.766	-.766	0	%100
68	MP3B	Z	0	0	0	%100
69	M74	X	-.517	-.517	0	%100
70	M74	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,...	Start Location[ft,%]	End Location[ft,%]
71	M70A	X	-.574	-.574	0	%100
72	M70A	Z	0	0	0	%100
73	M71A	X	-.574	-.574	0	%100
74	M71A	Z	0	0	0	%100
75	M78	X	-.687	-.687	0	%100
76	M78	Z	0	0	0	%100
77	M79	X	0	0	0	%100
78	M79	Z	0	0	0	%100
79	M80	X	-.687	-.687	0	%100
80	M80	Z	0	0	0	%100
81	M81	X	-1.226	-1.226	0	%100
82	M81	Z	0	0	0	%100
83	M82	X	-.859	-.859	0	%100
84	M82	Z	0	0	0	%100
85	M83	X	-.859	-.859	0	%100
86	M83	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,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.651	-.651	0	%100
2	M1	Z	-.376	-.376	0	%100
3	M4	X	-.029	-.029	0	%100
4	M4	Z	-.017	-.017	0	%100
5	M7	X	-.173	-.173	0	%100
6	M7	Z	-.1	-.1	0	%100
7	M7A	X	-.338	-.338	0	%100
8	M7A	Z	-.195	-.195	0	%100
9	M8	X	-.173	-.173	0	%100
10	M8	Z	-.1	-.1	0	%100
11	M7B	X	-.651	-.651	0	%100
12	M7B	Z	-.376	-.376	0	%100
13	M9	X	-.029	-.029	0	%100
14	M9	Z	-.017	-.017	0	%100
15	M10	X	-.173	-.173	0	%100
16	M10	Z	-.1	-.1	0	%100
17	M11	X	-.338	-.338	0	%100
18	M11	Z	-.195	-.195	0	%100
19	M12	X	-.173	-.173	0	%100
20	M12	Z	-.1	-.1	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	0	0	0	%100
23	M15	X	-.116	-.116	0	%100
24	M15	Z	-.067	-.067	0	%100
25	M16	X	-.692	-.692	0	%100
26	M16	Z	-.399	-.399	0	%100
27	M17	X	-1.351	-1.351	0	%100
28	M17	Z	-.78	-.78	0	%100
29	M18	X	-.692	-.692	0	%100
30	M18	Z	-.399	-.399	0	%100
31	M19	X	-.48	-.48	0	%100
32	M19	Z	-.277	-.277	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
33	M20	X	-.48	-.48	0	%100
34	M20	Z	-.277	-.277	0	%100
35	M21	X	-1.922	-1.922	0	%100
36	M21	Z	-1.11	-1.11	0	%100
37	M22	X	-.166	-.166	0	%100
38	M22	Z	-.096	-.096	0	%100
39	MP1A	X	-.548	-.548	0	%100
40	MP1A	Z	-.316	-.316	0	%100
41	MP2A	X	-.548	-.548	0	%100
42	MP2A	Z	-.316	-.316	0	%100
43	MP4A	X	-.548	-.548	0	%100
44	MP4A	Z	-.316	-.316	0	%100
45	MP5A	X	-.548	-.548	0	%100
46	MP5A	Z	-.316	-.316	0	%100
47	MP3A	X	-.663	-.663	0	%100
48	MP3A	Z	-.383	-.383	0	%100
49	MP1C	X	-.548	-.548	0	%100
50	MP1C	Z	-.316	-.316	0	%100
51	MP2C	X	-.548	-.548	0	%100
52	MP2C	Z	-.316	-.316	0	%100
53	MP4C	X	-.548	-.548	0	%100
54	MP4C	Z	-.316	-.316	0	%100
55	MP5C	X	-.548	-.548	0	%100
56	MP5C	Z	-.316	-.316	0	%100
57	MP3C	X	-.663	-.663	0	%100
58	MP3C	Z	-.383	-.383	0	%100
59	MP1B	X	-.548	-.548	0	%100
60	MP1B	Z	-.316	-.316	0	%100
61	MP2B	X	-.548	-.548	0	%100
62	MP2B	Z	-.316	-.316	0	%100
63	MP4B	X	-.548	-.548	0	%100
64	MP4B	Z	-.316	-.316	0	%100
65	MP5B	X	-.548	-.548	0	%100
66	MP5B	Z	-.316	-.316	0	%100
67	MP3B	X	-.663	-.663	0	%100
68	MP3B	Z	-.383	-.383	0	%100
69	M74	X	-.448	-.448	0	%100
70	M74	Z	-.259	-.259	0	%100
71	M70A	X	-.166	-.166	0	%100
72	M70A	Z	-.096	-.096	0	%100
73	M71A	X	-.663	-.663	0	%100
74	M71A	Z	-.383	-.383	0	%100
75	M78	X	-.198	-.198	0	%100
76	M78	Z	-.114	-.114	0	%100
77	M79	X	-.198	-.198	0	%100
78	M79	Z	-.114	-.114	0	%100
79	M80	X	-.793	-.793	0	%100
80	M80	Z	-.458	-.458	0	%100
81	M81	X	-.956	-.956	0	%100
82	M81	Z	-.552	-.552	0	%100
83	M82	X	-.956	-.956	0	%100
84	M82	Z	-.552	-.552	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
85	M83	X	-.638	-.638	0	%100
86	M83	Z	-.368	-.368	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.125	-.125	0	%100
2	M1	Z	-.217	-.217	0	%100
3	M4	X	-.05	-.05	0	%100
4	M4	Z	-.087	-.087	0	%100
5	M7	X	-.3	-.3	0	%100
6	M7	Z	-.519	-.519	0	%100
7	M7A	X	-.585	-.585	0	%100
8	M7A	Z	-1.013	-1.013	0	%100
9	M8	X	-.3	-.3	0	%100
10	M8	Z	-.519	-.519	0	%100
11	M7B	X	-.501	-.501	0	%100
12	M7B	Z	-.867	-.867	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	0	0	0	%100
20	M12	Z	0	0	0	%100
21	M13	X	-.125	-.125	0	%100
22	M13	Z	-.217	-.217	0	%100
23	M15	X	-.05	-.05	0	%100
24	M15	Z	-.087	-.087	0	%100
25	M16	X	-.3	-.3	0	%100
26	M16	Z	-.519	-.519	0	%100
27	M17	X	-.585	-.585	0	%100
28	M17	Z	-1.013	-1.013	0	%100
29	M18	X	-.3	-.3	0	%100
30	M18	Z	-.519	-.519	0	%100
31	M19	X	-.832	-.832	0	%100
32	M19	Z	-1.441	-1.441	0	%100
33	M20	X	0	0	0	%100
34	M20	Z	0	0	0	%100
35	M21	X	-.832	-.832	0	%100
36	M21	Z	-1.441	-1.441	0	%100
37	M22	X	-.287	-.287	0	%100
38	M22	Z	-.497	-.497	0	%100
39	MP1A	X	-.316	-.316	0	%100
40	MP1A	Z	-.548	-.548	0	%100
41	MP2A	X	-.316	-.316	0	%100
42	MP2A	Z	-.548	-.548	0	%100
43	MP4A	X	-.316	-.316	0	%100
44	MP4A	Z	-.548	-.548	0	%100
45	MP5A	X	-.316	-.316	0	%100
46	MP5A	Z	-.548	-.548	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
47	MP3A	X	-.383	-.383	0	%100
48	MP3A	Z	-.663	-.663	0	%100
49	MP1C	X	-.316	-.316	0	%100
50	MP1C	Z	-.548	-.548	0	%100
51	MP2C	X	-.316	-.316	0	%100
52	MP2C	Z	-.548	-.548	0	%100
53	MP4C	X	-.316	-.316	0	%100
54	MP4C	Z	-.548	-.548	0	%100
55	MP5C	X	-.316	-.316	0	%100
56	MP5C	Z	-.548	-.548	0	%100
57	MP3C	X	-.383	-.383	0	%100
58	MP3C	Z	-.663	-.663	0	%100
59	MP1B	X	-.316	-.316	0	%100
60	MP1B	Z	-.548	-.548	0	%100
61	MP2B	X	-.316	-.316	0	%100
62	MP2B	Z	-.548	-.548	0	%100
63	MP4B	X	-.316	-.316	0	%100
64	MP4B	Z	-.548	-.548	0	%100
65	MP5B	X	-.316	-.316	0	%100
66	MP5B	Z	-.548	-.548	0	%100
67	MP3B	X	-.383	-.383	0	%100
68	MP3B	Z	-.663	-.663	0	%100
69	M74	X	-.259	-.259	0	%100
70	M74	Z	-.448	-.448	0	%100
71	M70A	X	0	0	0	%100
72	M70A	Z	0	0	0	%100
73	M71A	X	-.287	-.287	0	%100
74	M71A	Z	-.497	-.497	0	%100
75	M78	X	0	0	0	%100
76	M78	Z	0	0	0	%100
77	M79	X	-.343	-.343	0	%100
78	M79	Z	-.595	-.595	0	%100
79	M80	X	-.343	-.343	0	%100
80	M80	Z	-.595	-.595	0	%100
81	M81	X	-.429	-.429	0	%100
82	M81	Z	-.744	-.744	0	%100
83	M82	X	-.613	-.613	0	%100
84	M82	Z	-1.062	-1.062	0	%100
85	M83	X	-.429	-.429	0	%100
86	M83	Z	-.744	-.744	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M19	Y	-.47	-7.566	0	1.54
2	M19	Y	-7.566	-14.071	1.54	3.08
3	M19	Y	-14.071	-20.949	3.08	4.62
4	M19	Y	-20.949	-14.302	4.62	6.16
5	M19	Y	-14.302	-.47	6.16	7.7
6	M21	Y	-.302	-12.226	5.133	6.673
7	M21	Y	-12.226	-21.477	6.673	8.213
8	M21	Y	-21.477	-15.08	8.213	9.753

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
9	M21	Y	-15.08	-8.342	9.753	11.293
10	M21	Y	-8.342	-3.804	11.293	12.833
11	M7	Y	.006	-1.649	0	.25
12	M7	Y	-1.649	-3.327	.25	.5
13	M7A	Y	-1.42	-4.44	0	.472
14	M7A	Y	-4.44	-7.161	.472	.945
15	M7A	Y	-7.161	-4.261	.945	1.417
16	M7A	Y	-4.261	-.151	1.417	1.89
17	M7A	Y	-.151	-.151	1.89	2.362
18	M11	Y	-.158	-.158	3.543	4.015
19	M11	Y	-.158	-4.883	4.015	4.488
20	M11	Y	-4.883	-7.737	4.488	4.96
21	M11	Y	-7.737	-4.285	4.96	5.433
22	M11	Y	-4.285	-1.122	5.433	5.905
23	M12	Y	-2.956	-1.881	0	.167
24	M12	Y	-1.881	-1.339	.167	.333
25	M12	Y	-1.339	-1.329	.333	.5
26	M20	Y	-.314	-13.923	5.133	6.673
27	M20	Y	-13.923	-21.551	6.673	8.213
28	M20	Y	-21.551	-13.407	8.213	9.753
29	M20	Y	-13.407	-6.583	9.753	11.293
30	M20	Y	-6.583	-.314	11.293	12.833
31	M21	Y	-1.146	-8.967	0	1.54
32	M21	Y	-8.967	-15.829	1.54	3.08
33	M21	Y	-15.829	-21.757	3.08	4.62
34	M21	Y	-21.757	-13.364	4.62	6.16
35	M21	Y	-13.364	-.537	6.16	7.7
36	M7A	Y	-.158	-.158	3.543	4.015
37	M7A	Y	-.158	-4.883	4.015	4.488
38	M7A	Y	-4.883	-7.737	4.488	4.96
39	M7A	Y	-7.737	-4.285	4.96	5.433
40	M7A	Y	-4.285	-1.122	5.433	5.905
41	M8	Y	-2.956	-1.881	0	.167
42	M8	Y	-1.881	-1.339	.167	.333
43	M8	Y	-1.339	-1.329	.333	.5
44	M16	Y	.006	-1.649	0	.25
45	M16	Y	-1.649	-3.327	.25	.5
46	M17	Y	-1.42	-4.44	0	.472
47	M17	Y	-4.44	-7.161	.472	.945
48	M17	Y	-7.161	-4.261	.945	1.417
49	M17	Y	-4.261	-.151	1.417	1.89
50	M17	Y	-.151	-.151	1.89	2.362
51	M19	Y	-.47	-14.303	5.133	6.673
52	M19	Y	-14.303	-20.95	6.673	8.213
53	M19	Y	-20.95	-14.071	8.213	9.753
54	M19	Y	-14.071	-7.566	9.753	11.293
55	M19	Y	-7.566	-.47	11.293	12.833
56	M20	Y	-3.804	-8.342	0	1.54
57	M20	Y	-8.342	-15.08	1.54	3.08
58	M20	Y	-15.08	-21.476	3.08	4.62
59	M20	Y	-21.476	-12.226	4.62	6.16
60	M20	Y	-12.226	-.302	6.16	7.7

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
61	M10	Y	.006	-1.649	0	.25
62	M10	Y	-1.649	-3.327	.25	.5
63	M11	Y	-1.42	-4.44	0	.472
64	M11	Y	-4.44	-7.161	.472	.945
65	M11	Y	-7.161	-4.261	.945	1.417
66	M11	Y	-4.261	-.151	1.417	1.89
67	M11	Y	-.151	-.151	1.89	2.362
68	M17	Y	-.158	-.158	3.543	4.015
69	M17	Y	-.158	-4.883	4.015	4.488
70	M17	Y	-4.883	-7.737	4.488	4.96
71	M17	Y	-7.737	-4.285	4.96	5.433
72	M17	Y	-4.285	-1.122	5.433	5.905
73	M18	Y	-2.956	-1.881	0	.167
74	M18	Y	-1.881	-1.339	.167	.333
75	M18	Y	-1.339	-1.329	.333	.5

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M19	Y	-.574	-9.248	0	1.54
2	M19	Y	-9.248	-17.197	1.54	3.08
3	M19	Y	-17.197	-25.604	3.08	4.62
4	M19	Y	-25.604	-17.481	4.62	6.16
5	M19	Y	-17.481	-.574	6.16	7.7
6	M21	Y	-.369	-14.943	5.133	6.673
7	M21	Y	-14.943	-26.25	6.673	8.213
8	M21	Y	-26.25	-18.431	8.213	9.753
9	M21	Y	-18.431	-10.195	9.753	11.293
10	M21	Y	-10.195	-4.649	11.293	12.833
11	M7	Y	.007	-2.016	0	.25
12	M7	Y	-2.016	-4.067	.25	.5
13	M7A	Y	-1.736	-5.427	0	.472
14	M7A	Y	-5.427	-8.752	.472	.945
15	M7A	Y	-8.752	-5.208	.945	1.417
16	M7A	Y	-5.208	-.185	1.417	1.89
17	M7A	Y	-.185	-.185	1.89	2.362
18	M11	Y	-.193	-.193	3.543	4.015
19	M11	Y	-.193	-5.968	4.015	4.488
20	M11	Y	-5.968	-9.456	4.488	4.96
21	M11	Y	-9.456	-5.237	4.96	5.433
22	M11	Y	-5.237	-1.372	5.433	5.905
23	M12	Y	-3.612	-2.3	0	.167
24	M12	Y	-2.3	-1.637	.167	.333
25	M12	Y	-1.637	-1.624	.333	.5
26	M20	Y	-.384	-17.017	5.133	6.673
27	M20	Y	-17.017	-26.34	6.673	8.213
28	M20	Y	-26.34	-16.387	8.213	9.753
29	M20	Y	-16.387	-8.045	9.753	11.293
30	M20	Y	-8.045	-.384	11.293	12.833
31	M21	Y	-1.4	-10.959	0	1.54
32	M21	Y	-10.959	-19.346	1.54	3.08
33	M21	Y	-19.346	-26.592	3.08	4.62

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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
34	M21	Y	-26.592	-16.334	4.62	6.16
35	M21	Y	-16.334	-.656	6.16	7.7
36	M7A	Y	-.193	-.193	3.543	4.015
37	M7A	Y	-.193	-5.968	4.015	4.488
38	M7A	Y	-5.968	-9.456	4.488	4.96
39	M7A	Y	-9.456	-5.237	4.96	5.433
40	M7A	Y	-5.237	-1.372	5.433	5.905
41	M8	Y	-3.612	-2.3	0	.167
42	M8	Y	-2.3	-1.637	.167	.333
43	M8	Y	-1.637	-1.624	.333	.5
44	M16	Y	.007	-2.016	0	.25
45	M16	Y	-2.016	-4.067	.25	.5
46	M17	Y	-1.736	-5.427	0	.472
47	M17	Y	-5.427	-8.752	.472	.945
48	M17	Y	-8.752	-5.208	.945	1.417
49	M17	Y	-5.208	-.185	1.417	1.89
50	M17	Y	-.185	-.185	1.89	2.362
51	M19	Y	-.574	-17.482	5.133	6.673
52	M19	Y	-17.482	-25.605	6.673	8.213
53	M19	Y	-25.605	-17.198	8.213	9.753
54	M19	Y	-17.198	-9.248	9.753	11.293
55	M19	Y	-9.248	-.574	11.293	12.833
56	M20	Y	-4.649	-10.195	0	1.54
57	M20	Y	-10.195	-18.431	1.54	3.08
58	M20	Y	-18.431	-26.249	3.08	4.62
59	M20	Y	-26.249	-14.943	4.62	6.16
60	M20	Y	-14.943	-.369	6.16	7.7
61	M10	Y	.007	-2.016	0	.25
62	M10	Y	-2.016	-4.067	.25	.5
63	M11	Y	-1.736	-5.427	0	.472
64	M11	Y	-5.427	-8.752	.472	.945
65	M11	Y	-8.752	-5.208	.945	1.417
66	M11	Y	-5.208	-.185	1.417	1.89
67	M11	Y	-.185	-.185	1.89	2.362
68	M17	Y	-.193	-.193	3.543	4.015
69	M17	Y	-.193	-5.968	4.015	4.488
70	M17	Y	-5.968	-9.456	4.488	4.96
71	M17	Y	-9.456	-5.237	4.96	5.433
72	M17	Y	-5.237	-1.372	5.433	5.905
73	M18	Y	-3.612	-2.3	0	.167
74	M18	Y	-2.3	-1.637	.167	.333
75	M18	Y	-1.637	-1.624	.333	.5

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N20	N19	N17A	N16	Y	A-B	-.009
2	N149	N145	N14	N20	Y	A-B	-.009
3	N14	N15	N111A	N112A	Y	A-B	-.009
4	N146	N151	N30	N15	Y	A-B	-.009
5	N30	N31	N27	N28	Y	A-B	-.009

Member Area Loads (BLC 39 : Structure D) (Continued)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
6	N152	N148	N19	N31	Y	A-B	-.009

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N20	N19	N17A	N16	Y	A-B	-.011
2	N149	N145	N14	N20	Y	A-B	-.011
3	N14	N15	N111A	N112A	Y	A-B	-.011
4	N146	N151	N30	N15	Y	A-B	-.011
5	N30	N31	N27	N28	Y	A-B	-.011
6	N152	N148	N19	N31	Y	A-B	-.011

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	N2	max	496.485	10	371.75	7	4899.376	1	.429	7	1.643	4	.114	4
2		min	-504.963	4	-1007.5...	1	-5451.2...	7	-1.185	1	-1.649	10	-.06	10
3	N13	max	4380.382	9	430.066	3	2793.218	3	.591	9	1.721	12	.907	9
4		min	-4838.0...	3	-970.617	9	-2520.7...	9	-.149	3	-1.731	6	-.333	3
5	N24	max	4716.206	11	370.156	11	2721.086	11	.56	5	1.636	8	.361	11
6		min	-4242.9...	5	-1008.8...	5	-2456.94	5	-.229	11	-1.643	2	-1.046	5
7	N157	max	44.631	10	3604.249	13	-451.08	7	0	51	0	4	0	10
8		min	-44.692	4	332.808	7	-4833.2...	13	0	1	0	10	0	4
9	N159	max	-386.802	3	3622.578	21	2429.208	21	0	6	0	12	0	12
10		min	-4207.3...	21	329.552	3	223.335	3	0	12	0	6	0	6
11	N161	max	4195.142	17	3612.193	17	2421.972	17	0	8	0	8	0	8
12		min	395.56	11	336.971	11	228.36	11	0	2	0	2	0	2
13	Totals:	max	6049.898	10	7955.853	22	6076.375	1						
14		min	-6049.9	4	3783.412	4	-6076.3...	7						

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear Ch...	Loc[ft]	Dir	LC	phi*Pnc...	phi*Pnt...	phi*Mn ...	phi*Mn ...	Cb	Eqn
1	M1	HSS4X4X4	.212	4.036	2	.071	4.102	y	13	118476...	139518	16.181	16.181	1...	H1-1b
2	M4	PL1/2x6	.667	.638	22	.163	0	y	16	53759....	97200	1.012	12.15	1...	H1-1b
3	M7	PL3/8X3	.139	0	1	.010	0	y	5	31007....	36450	.285	2.278	1...	H1-1b
4	M7A	L4X4X4	.074	2.952	7	.006	5.905	z	5	40312....	62532	3.138	5.834	1...	H2-1
5	M8	PL3/8X3	.124	.5	6	.010	.5	y	5	31006....	36450	.285	2.278	1...	H1-1b
6	M7B	HSS4X4X4	.213	4.036	10	.072	4.102	y	21	118476...	139518	16.181	16.181	1...	H1-1b
7	M9	PL1/2x6	.673	.638	18	.164	0	y	24	53759....	97200	1.012	12.15	1...	H1-1b
8	M10	PL3/8X3	.139	0	9	.010	0	y	1	31007....	36450	.285	2.278	1...	H1-1b
9	M11	L4X4X4	.074	2.952	3	.006	5.905	z	1	40312....	62532	3.138	5.834	1...	H2-1
10	M12	PL3/8X3	.124	.5	9	.010	.5	y	1	31006....	36450	.285	2.278	1...	H1-1b
11	M13	HSS4X4X4	.213	4.036	6	.071	4.102	y	17	118476...	139518	16.181	16.181	1...	H1-1b
12	M15	PL1/2x6	.669	.638	14	.163	0	y	20	53759....	97200	1.012	12.15	1...	H1-1b
13	M16	PL3/8X3	.139	0	5	.010	0	y	9	31007....	36450	.285	2.278	1...	H1-1b
14	M17	L4X4X4	.074	2.952	11	.006	5.905	z	9	40312....	62532	3.138	5.834	1...	H2-1
15	M18	PL3/8X3	.124	.5	5	.010	.5	y	9	31006....	36450	.285	2.278	1...	H1-1b
16	M19	C5X6.7	.416	.668	22	.540	.668	y	23	4477.095	63828	1.604	6.807	1...	H1-1b
17	M20	C5X6.7	.418	.668	18	.544	.668	y	19	4477.095	63828	1.604	6.8	1...	H1-1b
18	M21	C5X6.7	.419	.668	14	.545	.668	y	15	4477.095	63828	1.604	6.788	1...	H1-1b

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear Ch...	Loc[ft]	Dir	LC	phi*Pnc...	phi*Pnt...	phi*Mn ...	phi*Mn ...	Cb	Eqn
19	M22	PIPE_2.5	.216	7.031	2	.096	10.0...		6	14558....	50715	3.596	3.596	2...	H1-1b
20	MP1A	PIPE_2.0	.369	4.167	16	.117	1.979		2	23808.54	32130	1.872	1.872	1...	H1-1b
21	MP2A	PIPE_2.0	.372	4.167	4	.083	4.167		2	23808.54	32130	1.872	1.872	1...	H1-1b
22	MP4A	PIPE_2.0	.375	4.167	10	.094	2.448		12	23808.54	32130	1.872	1.872	1...	H1-1b
23	MP5A	PIPE_2.0	.383	4.167	22	.112	1.979		12	23808.54	32130	1.872	1.872	1...	H1-1b
24	MP3A	PIPE_2.5	.177	1.25	4	.094	4.75		7	30038....	50715	3.596	3.596	2...	H1-1b
25	MP1C	PIPE_2.0	.368	4.167	24	.117	1.979		10	23808.54	32130	1.872	1.872	1...	H1-1b
26	MP2C	PIPE_2.0	.372	4.167	12	.083	4.167		10	23808.54	32130	1.872	1.872	1...	H1-1b
27	MP4C	PIPE_2.0	.374	4.167	6	.094	2.448		8	23808.54	32130	1.872	1.872	1...	H1-1b
28	MP5C	PIPE_2.0	.383	4.167	18	.112	1.979		8	23808.54	32130	1.872	1.872	1...	H1-1b
29	MP3C	PIPE_2.5	.177	1.25	12	.094	4.75		3	30038....	50715	3.596	3.596	2...	H1-1b
30	MP1B	PIPE_2.0	.370	4.167	20	.117	1.979		6	23808.54	32130	1.872	1.872	1...	H1-1b
31	MP2B	PIPE_2.0	.372	4.167	8	.084	4.167		6	23808.54	32130	1.872	1.872	1...	H1-1b
32	MP4B	PIPE_2.0	.375	4.167	2	.094	2.448		4	23808.54	32130	1.872	1.872	1...	H1-1b
33	MP5B	PIPE_2.0	.384	4.167	14	.112	1.979		4	23808.54	32130	1.872	1.872	1...	H1-1b
34	MP3B	PIPE_2.5	.177	1.25	8	.094	4.75		11	30038....	50715	3.596	3.596	2...	H1-1b
35	M74	PIPE_2.0	.098	2.5	12	.018	2.5		12	28843....	32130	1.872	1.872	2...	H1-1b
36	M70A	PIPE_2.5	.216	7.031	10	.096	10.0...		2	14558....	50715	3.596	3.596	2...	H1-1b
37	M71A	PIPE_2.5	.216	7.031	6	.096	10.0...		10	14558....	50715	3.596	3.596	2...	H1-1b
38	M78	L3X3X4	.295	0	5	.032	0	y	6	44049....	46656	1.688	3.756	1...	H2-1
39	M79	L3X3X4	.295	0	9	.032	0	y	10	44049....	46656	1.688	3.756	1...	H2-1
40	M80	L3X3X4	.295	0	1	.032	.923	y	2	44049....	46656	1.688	3.756	1...	H2-1
41	M81	LL3x3x3x3	.127	5.067	13	.004	0	z	10	47644....	70632	5.543	3.751	1	H1-1b*
42	M82	LL3x3x3x3	.127	5.067	21	.004	5.067	z	6	47644....	70632	5.543	3.751	1	H1-1b*
43	M83	LL3x3x3x3	.127	5.067	17	.004	0	z	2	47644....	70632	5.543	3.751	1	H1-1b*

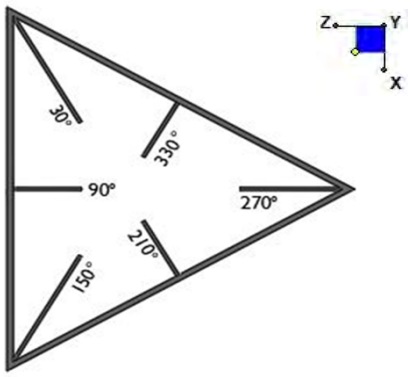
Client:	Verizon Wireless	Date:	6/7/2021
Site Name:	BEACON FALLS CT		
Project No.	21777520A		
Title:	Antenna Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

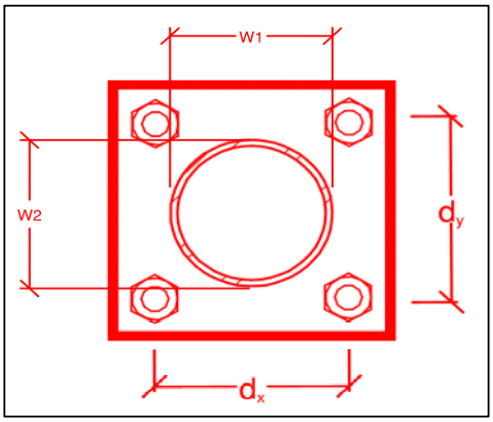
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N13	30
N2	270
N24	150



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:	yes
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	6
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	6
Bolt Type:	A325N
Bolt Diameter (in):	0.5
Required Tensile Strength (kips):	9.6
Required Shear Strength (kips):	2.0
Tensile Strength / bolt (kips):	13.3
Shear Strength / bolt (kips):	8.0
Tensile Capacity Overall:	**18.2%***
Shear Capacity Overall:	**6.2%**



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

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Rect
Plate Width (in):	8
Plate Height (in):	8
W1 (in):	4
W2 (in):	4
Fy (ksi, plate):	36
t_{Plate} (in):	0.625
Weld Size (1/16 in):	5
Phi*Rn (kip/in):	6.96
Required Weld Strength (kip/in):	1.02
Plate Bending Capacity:	**20.3%**
Weld Capacity:	**14.7%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)* :	3.7
Phi*Mn_{xx} *(kip-in)* :	25.3
Mu_{yy} *(kip-in)* :	1.5
Phi*Mn_{yy} *(kip-in)* :	25.3

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

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

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

Base Requirements:

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

Photo Requirements:

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

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

Material Certification:

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

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

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

Certifying Individual: Company _____

Name _____

Signature _____

Antenna & equipment placement and Geometry Confirmation:

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

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

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

Certifying Individual: Company _____

Name _____

Signature _____

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

Issue:

1. Install (1) OVP pipe, 36" long P2.0 STD in beta sector. Connect to standoff horizontal using crossover plate (Site Pro 1, Part #: SQCX4 or EOR approved equivalent). Install proposed OVP onto the same pipe.
2. Contractor to ensure proposed kicker connection do not nor will not interfere with the safety climb facilities. Contractor to install safety climb wire rope guides as necessary

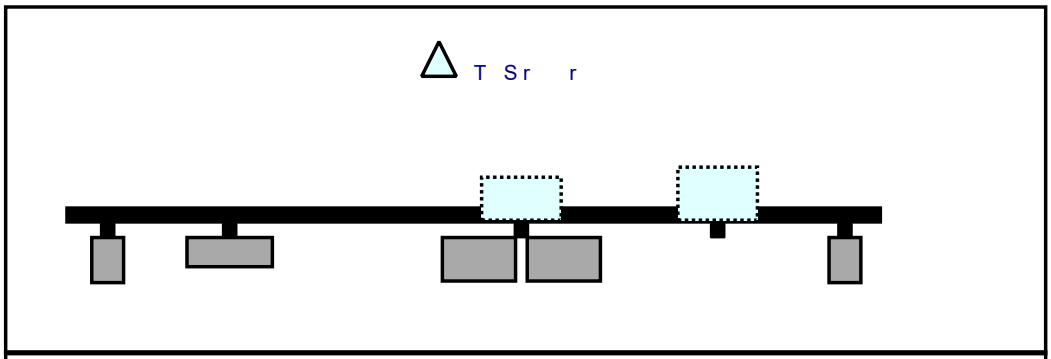
Response:

Schedule A – Photo & Document File Structure

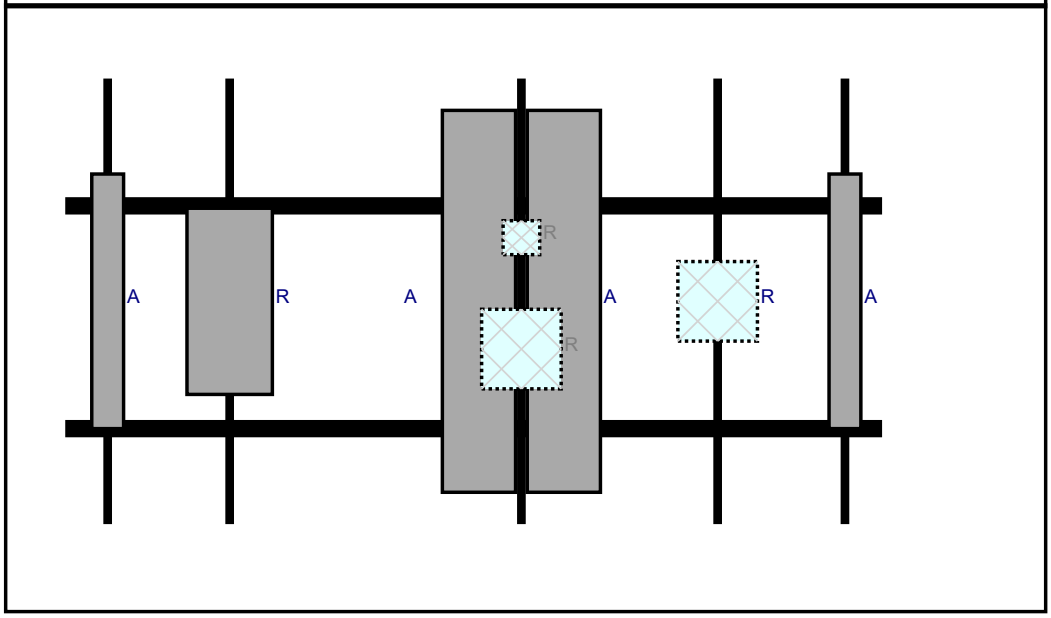
- VzW Site Number / Name
  - Base & “During Installation” Photos
  - Pre-Installation Photos
    - Alpha
    - Beta
    - Gamma
    - Ground Level
    - Tape Drop
  - Post-Installation Photos
    - Alpha
    - Beta
    - Gamma
    - Ground Level
    - Tape Drop
    - Photos of climbing facility and safety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

S r **A**
Sr r T M
M E . P

Plan View



Front View
L Sr r

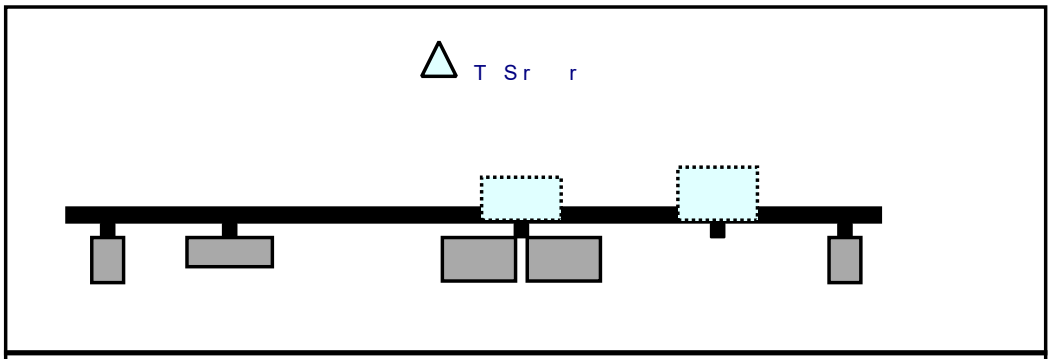


d D P P A . A A
R M d r L. P P r T. O S d

A DB Y			r	R d	
R B B A RR BR			B d	Add d	
A A B R B	.		r	Add d	
A A B R B	.		r	Add d	
R B T DS	.	.	B d	Add d	
R B B RR BR			B d	Add d	
R MT A	.	.	r	Add d	
A DB Y			r	R d	

S r **B**
Sr r T M
M E . P

Plan View



Front View
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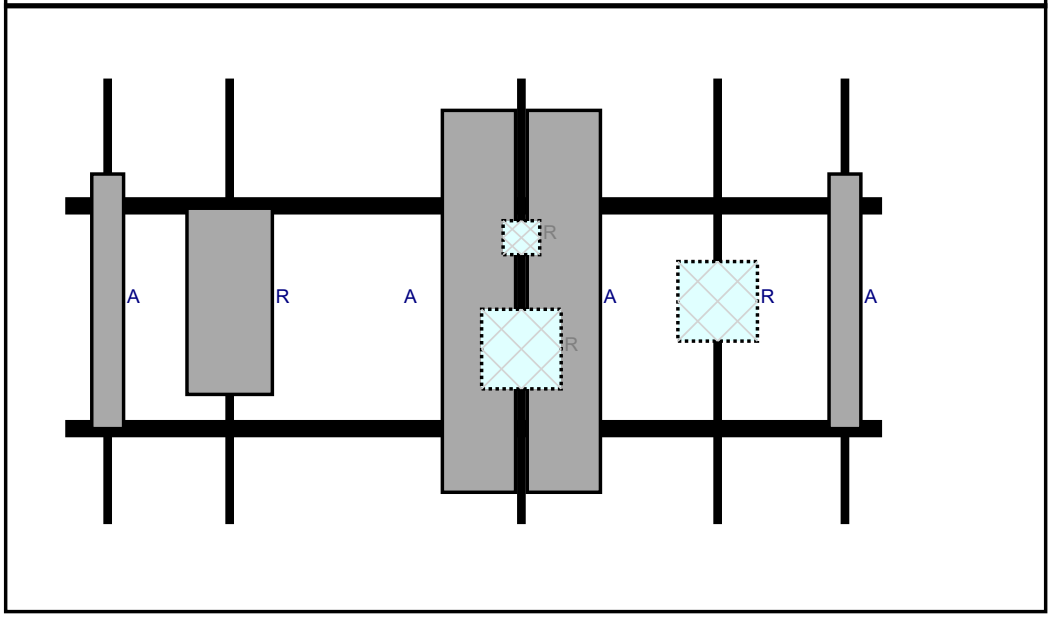

d D P P A . A A
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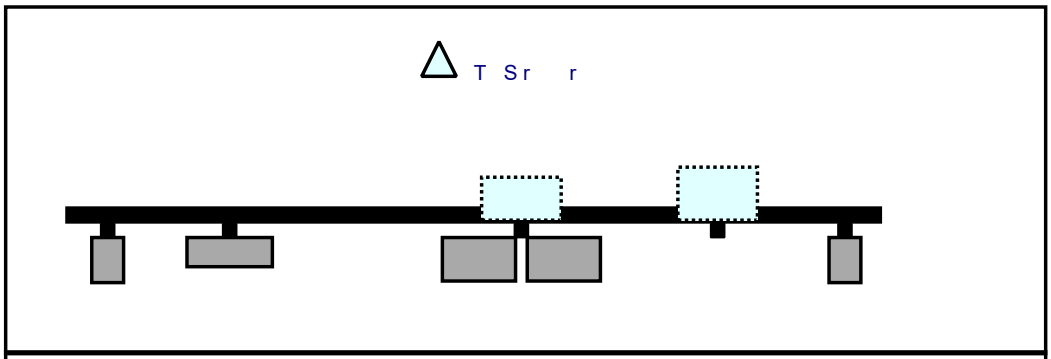
R B B A RR BR			B d	Add d	
A A B R B	.		r	Add d	
A A B R B	.		r	Add d	
R B T DS	.	.	B d	Add d	
R B B RR BR			B d	Add d	
R MT A	.	.	r	Add d	
A DB Y			r	R d	

S r **C**
Sr r T M
M E . P

Plan View



Front View
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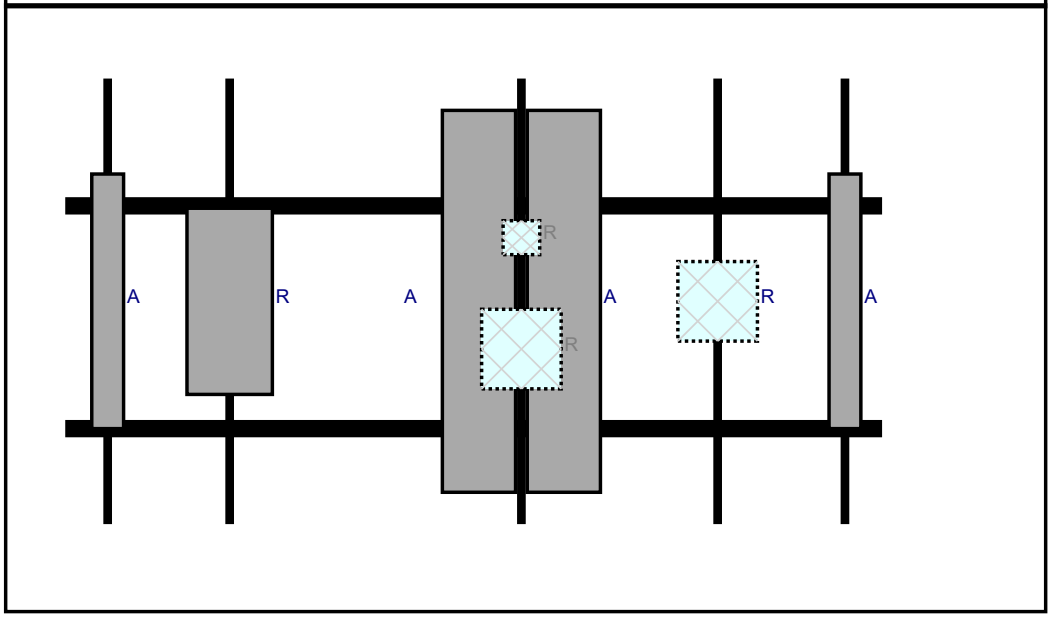

d D P P A . A A
R M d r L. P P r T. O S d

A DB Y			r	R d	
R B B A RR BR			B d	Add d	
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R B B RR BR			B d	Add d	
R MT A	.	.	r	Add d	
A DB Y			r	R d	

Maser Consulting Connecticut

Subject	TIA-222-H Usage	
Site Information	Site ID:	469421-VZW / BEACON FALLS CT
	Site Name:	BEACON FALLS CT
	Carrier Name:	Verizon Wireless
	Address:	664 Rimmon Hill Rd Seymour, Connecticut 06483 New Haven County
	Latitude:	41.407317°
	Longitude:	-73.079275°
Structure Information	Tower Type:	Monopole
	Mount Type:	12.83-Ft Platform

To Whom It May Concern,

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

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

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

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

Sincerely,

Dejian Xu, PE
Technical Manager

Site Name: ***BEACON FALLS CT***
Cumulative Power Density

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density	Maximum Permissible Exposure*	Fraction of MPE
	(MHz)		(watts)	(watts)	(feet)	(mW/cm^2)	(mW/cm^2)	(%)
VZW 700	751	4	648	2593	149	0.0042	0.5007	0.84%
VZW CDMA	877.26	2	404	807	149	0.0013	0.5848	0.22%
VZW Cellular	874	4	742	2969	149	0.0048	0.5827	0.83%
VZW PCS	1975	4	1561	6243	149	0.0101	1.0000	1.01%
VZW AWS	2120	4	1528	6112	149	0.0099	1.0000	0.99%
VZW CBAND	3730.08	4	6531	26125	149	0.0423	1.0000	4.23%
Total Percentage of Maximum Permissible Exposure								8.12%

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

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

Absolute worst case maximum values used.

Town of Beacon Falls, Connecticut - Assessment Parcel Map

Parcel: 001-005-0006 **Address:** 664 RIMMON HILL RD

N

Approximate Scale: 1 inch = 400 feet

0 120 240 360 480 Feet

Map Produced May 2021

Tax ID 001-005-0006 Printed 04/26/2019 Card No. 1 of 1

AT&T MOBILITY LLC
909 CHESTNUT ROOM 36-M-1
ST LOUIS, MO 63101
Census: 3411

Neighborhood Number
1
Neighborhood Name
Southwest
TAXING DISTRICT INFORMATION

Jurisdiction Name	BEACON FALLS
Area	006
Routing Number	001-005-0006

Transfer of Ownership

Site Description

Topography

Public Utilities
Electric
Street or Road
Paved
Neighborhood

Zoning:
R-1
Legal Acres:
0.0000

Valuation Record

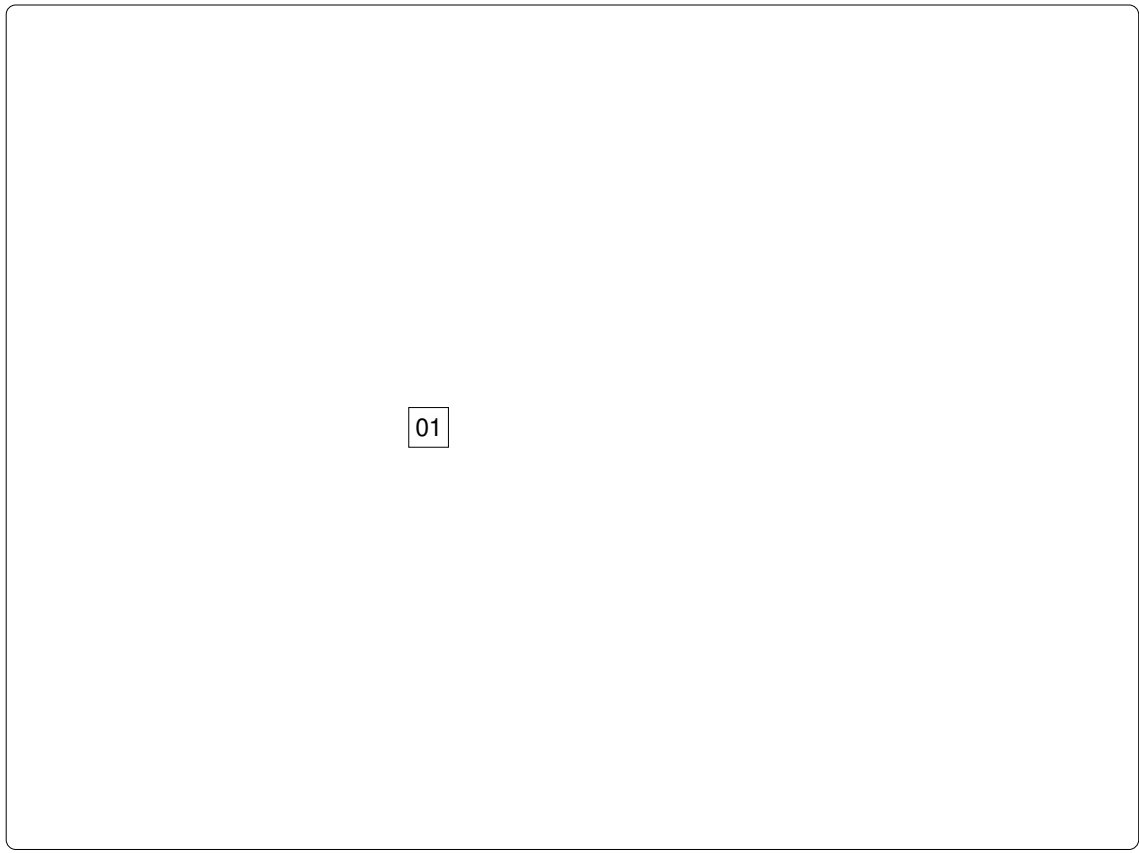
Assessment Year		2011	2016						
Reason for Change		2011 Reval	2016 Reval						
2016 Market	L	0	0						
	I	250000	275000						
	T	250000	275000						
70% Assessed	L	0	0						
	I	175000	192500						
	T	175000	192500						

Land Size

Land Type	Rating, Soil ID - or - Actual Frontage	Acreage - or - Effective Frontage	Square Feet - or - Effective Depth	Influence Factor

Tax ID 001-005-0006 Printed 04/26/2019

Physical Characteristics

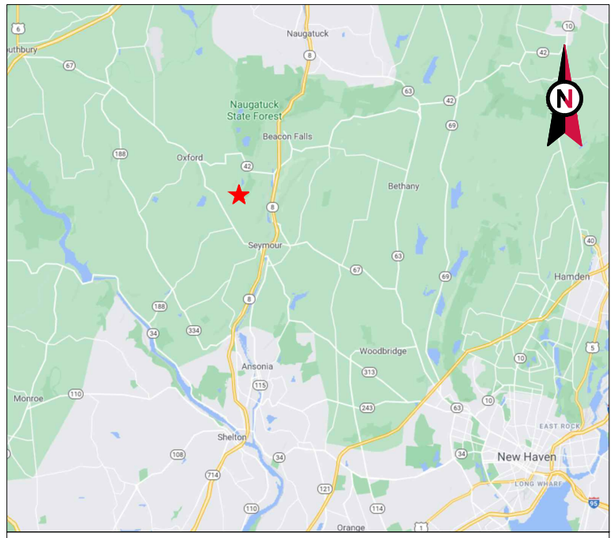


Special Features

Description

Summary of Improvements

ID	USE	Story Height	Const Type	Grade	Year Cons	Eff Year	Cond	Size or Area
01	TOWERMON	0.00		AVG	2000	2000	AV	0

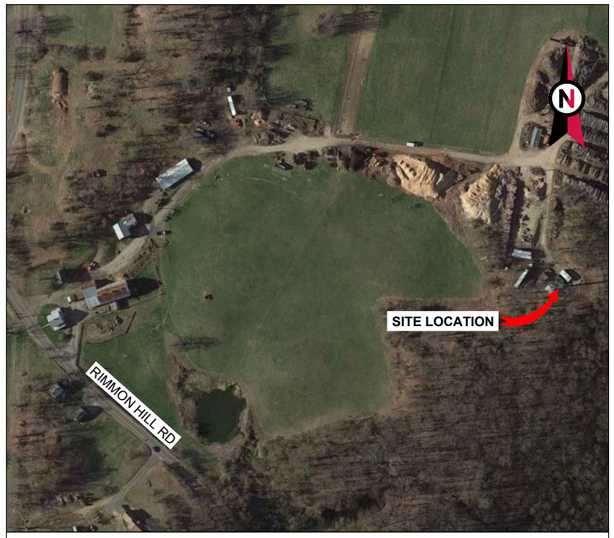


VICINITY MAP

AMERICAN TOWER®

ATC SITE NAME: BEACON FALLS
ATC SITE NUMBER: 302524
VERIZON WIRELESS SITE NAME: BEACON FALLS CT
VERIZON WIRELESS SITE NUMBER: 469421
SITE ADDRESS: 664 RIMMON HILL ROAD
SEYMOUR, CT 06483

VERIZON WIRELESS
ANTENNA AMENDMENT PLAN



LOCATION MAP

COMPLIANCE CODE

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

1. 2015 INTERNATIONAL BUILDING CODE (IBC)
2. 2017 NATIONAL ELECTRIC CODE (NEC)
3. LOCAL BUILDING CODE
4. CITY/COUNTY ORDINANCES

UTILITY COMPANIES

POWER COMPANY: N/A
PHONE: N/A

TELEPHONE COMPANY: N/A
PHONE: N/A

811 Know what's **below.** **Call** before you dig.

PROJECT SUMMARY

SITE ADDRESS:

664 RIMMON HILL ROAD

SEYMOUR, CT 06483

COUNTY: NEW HAVEN

GEOGRAPHIC COORDINATES:

LATITUDE: 41.40719444

LONGITUDE: -73.07930000

GROUND ELEVATION: 455' AMSL

PROJECT TEAM

TOWER OWNER:

AMERICAN TOWER
10 PRESIDENTIAL WAY
WOBURN, MA 01801

APPLICANT:

VERIZON WIRELESS
20 ALEXANDER DR, 2ND FLOOR
WALLINGFORD, CT 06492

ENGINEER:

POWER OF DESIGN GROUP
11490 BLUEGRASS PARKWAY
LOUISVILLE, KY 40299

PROPERTY OWNER:

ADD IN YOUR PROPERTY
HERE FROM OLD CD

PROJECT DESCRIPTION

THE PROPOSED PROJECT INCLUDES MODIFYING GROUND BASED AND TOWER MOUNTED EQUIPMENT AS INDICATED PER BELOW:

TOWER WORK:

REMOVE (6) ANTENNAS, (6) DIPLEXERS, AND (2) COAX CABLES

INSTALL (9) ANTENNAS (3) SIDE BY SIDE ANTENNAS MOUNTS, (6) RRHs, (3) DIPLEXERS, (1) OVP AND (2) HYBRID CABLES

EXISTING (6) ANTENNAS, AND (10) COAX CABLES TO REMAIN

GROUND WORK:

REMOVE (4) RRHs, AND (6) DIPLEXERS

THE PROPOSED PROJECT DOES NOT INCLUDE ELECTRICAL SCOPE

PROJECT NOTES

1. THE FACILITY IS UNMANNED.
2. A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE.
3. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE.
4. NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED.
5. HANDICAP ACCESS IS NOT REQUIRED.

PROJECT LOCATION DIRECTIONS

TAKE AIRPORT ROAD TO CHRISTIAN ST.
FOLLOW CHRISTIAN ST AND CT-67 E TO WEST ST.
TAKE W RD AND RIMMON HILL RD TO RIMMON ST.

SHEET INDEX

SHEET NO:	DESCRIPTION:	REV:	DATE:	BY:
G-001	TITLE SHEET	A	05/11/2021	JMM
G-002	GENERAL NOTES	A	05/11/2021	JMM
C-101	DETAILED SITE PLAN	A	05/11/2021	JMM
C-201	TOWER ELEVATION	A	05/11/2021	JMM
C-401	ANTENNA INFORMATION & SCHEDULE	A	05/11/2021	JMM
C-501	CONSTRUCTION DETAILS	A	05/11/2021	JMM
E-501	GROUNDING DETAILS	A	05/11/2021	JMM
R-601	SUPPLEMENTAL			
	MOUNT MODIFICATION SHEETS			

AMERICAN TOWER®

POD
POWER OF DESIGN
11490 BLUEGRASS PKWY
LOUISVILLE, KY 40299
502-437-5252

REV.	DESCRIPTION	BY	DATE
A	PRELIM	JMM	05/11/2021
0	CONSTRUCTION	KEH	06/29/2021

ATC SITE NUMBER:
302524

ATC SITE NAME:
BEACON FALLS

VERIZON WIRELESS SITE NAME:
BEACON FALLS CT

SITE ADDRESS:
664 RIMMON HILL ROAD
SEYMOUR, CT 06483

SEAL:

06/29/2021

verizon

DATE DRAWN:	05/11/2021
ATC JOB NO:	13668747
CUSTOMER ID:	BEACON FALLS CT
CUSTOMER #:	469421

TITLE SHEET

SHEET NUMBER:	REVISION:
G-001	0

GENERAL CONSTRUCTION NOTES:

1. OWNER FURNISHED MATERIALS, VERIZON WIRELESS "THE COMPANY" WILL PROVIDE AND THE CONTRACTOR WILL INSTALL
   - A. BTS EQUIPMENT FRAME (PLATFORM) AND ICEBRIDGE SHELTER (GROUND BUILD/CO-LOCATE ONLY)
   - B. AC/TELCO INTERFACE BOX (PPC)
   - C. ICE BRIDGE (CABLE TRAY WITH COVER) (GROUND BUILD/CO-LOCATE ONLY, GC TO FURNISH AND INSTALL FOR ROOFTOP INSTALLATION)
   - D. TOWERS, MONOPOLES
   - E. TOWER LIGHTING
   - F. GENERATORS & LIQUID PROPANE TANK
   - G. ANTENNA STANDARD BRACKETS, FRAMES AND PIPES FOR MOUNTING
   - H. ANTENNAS (INSTALLED BY OTHERS)
   - I. TRANSMISSION LINE
   - J. TRANSMISSION LINE JUMPERS
   - K. TRANSMISSION LINE CONNECTORS WITH WEATHERPROOFING KITS
   - L. TRANSMISSION LINE GROUND KITS
   - M. HANGERS
   - N. HOISTING GRIPS
   - O. BTS EQUIPMENT
2. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL OTHER MATERIALS FOR THE COMPLETE INSTALLATION OF THE SITE INCLUDING, BUT NOT LIMITED TO, SUCH MATERIALS AS FENCING, STRUCTURAL STEEL SUPPORTING SUB-FRAME FOR PLATFORM, ROOFING LABOR AND MATERIALS, GROUNDING RINGS, GROUNDING WIRES, COPPER-CLAD OR XIT CHEMICAL GROUND ROD(S), BUSS BARS, TRANSFORMERS AND DISCONNECT SWITCHES WHERE APPLICABLE, TEMPORARY ELECTRICAL POWER, CONDUIT, LANDSCAPING COMPOUND STONE, CRANES, CORE DRILLING, SLEEPERS AND RUBBER MATTING, REBAR, CONCRETE CAISSONS, PADS AND/OR AUGER MOUNTS, MISCELLANEOUS FASTENERS, CABLE TRAYS, NON-STANDARD ANTENNA FRAMES AND ALL OTHER MATERIAL AND LABOR REQUIRED TO COMPLETE THE JOB ACCORDING TO THE DRAWINGS AND SPECIFICATIONS. IT IS THE POSITION OF VERIZON WIRELESS TO APPLY FOR PERMITTING AND CONTRACTOR RESPONSIBLE FOR PICKUP AND PAYMENT OF REQUIRED PERMITS.
3. ALL WORK SHALL CONFORM TO ALL CURRENT APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING ANSI/EIA/TIA-222, AND COMPLY WITH ATC CONSTRUCTION SPECIFICATIONS.
4. CONTRACTOR SHALL CONTACT LOCAL 811 FOR IDENTIFICATION OF UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIRED INSPECTIONS.
6. ALL DIMENSIONS TO, OF, AND ON EXISTING BUILDINGS, DRAINAGE STRUCTURES, AND SITE IMPROVEMENTS SHALL BE VERIFIED IN FIELD BY CONTRACTOR WITH ALL DISCREPANCIES REPORTED TO THE ENGINEER.
7. DO NOT CHANGE SIZE OR SPACING OF STRUCTURAL ELEMENTS.
8. DETAILS SHOWN ARE TYPICAL; SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.
9. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
10. CONTRACTOR SHALL BRACE STRUCTURES UNTIL ALL STRUCTURAL ELEMENTS NEEDED FOR STABILITY ARE INSTALLED. THESE ELEMENTS ARE AS FOLLOWS: LATERAL BRACING, ANCHOR BOLTS, ETC.
11. CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES, GROUNDS DRAINS, DRAIN PIPES, VENTS, ETC. BEFORE COMMENCING WORK.
12. INCORRECTLY FABRICATED, DAMAGED, OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE VERIZON WIRELESS REP PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH REMEDIAL ACTION SHALL REQUIRE WRITTEN APPROVAL BY THE VERIZON WIRELESS REP PRIOR TO PROCEEDING.
13. EACH CONTRACTOR SHALL COOPERATE WITH THE VERIZON WIRELESS REP, AND COORDINATE HIS WORK WITH THE WORK OF OTHERS.
14. CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION OF THIS PROJECT TO MATCH EXISTING PRE-CONSTRUCTION CONDITIONS TO THE SATISFACTION OF THE VERIZON WIRELESS CONSTRUCTION MANAGER.
15. ALL CABLE/CONDUIT ENTRY/EXIT PORTS SHALL BE WEATHERPROOFED DURING INSTALLATION USING A SILICONE SEALANT.
16. WHERE EXISTING CONDITIONS DO NOT MATCH THOSE SHOWN IN THIS PLAN SET, CONTRACTOR SHALL NOTIFY THE VERIZON WIRELESS REP AND ENGINEER OF RECORD IMMEDIATELY.
17. CONTRACTOR SHALL ENSURE ALL SUBCONTRACTORS ARE PROVIDED WITH A COMPLETE AND CURRENT SET OF DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT.
18. CONTRACTOR SHALL REMOVE ALL RUBBISH AND DEBRIS FROM THE SITE AT THE END OF EACH DAY.
19. CONTRACTOR SHALL COORDINATE WORK SCHEDULE WITH AMERICAN TOWER CORPORATION (ATC) AND TAKE PRECAUTIONS TO MINIMIZE IMPACT AND DISRUPTION OF OTHER OCCUPANTS OF THE FACILITY.
20. CONTRACTOR SHALL FURNISH VERIZON WIRELESS AND AMERICAN TOWER CORPORATION (ATC) WITH A PDF MARKED UP AS-BUILT SET OF DRAWINGS UPON COMPLETION OF WORK.
21. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH VERIZON WIRELESS REP TO DETERMINE WHAT, IF ANY, ITEMS WILL BE PROVIDED. ALL ITEMS NOT PROVIDED SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. CONTRACTOR WILL INSTALL ALL ITEMS PROVIDED.
22. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH VERIZON WIRELESS REP TO DETERMINE IF ANY PERMITS WILL BE OBTAINED BY CONTRACTOR. ALL REQUIRED PERMITS NOT OBTAINED BY VERIZON WIRELESS MUST BE OBTAINED, AND PAID FOR, BY THE CONTRACTOR.
23. CONTRACTOR SHALL INSTALL ALL SITE SIGNAGE IN ACCORDANCE WITH VERIZON WIRELESS SPECIFICATIONS AND REQUIREMENTS.
24. CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO VERIZON WIRELESS FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
25. ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND LOCATED ACCORDING TO VERIZON WIRELESS SPECIFICATIONS, AND AS SHOWN IN THESE PLANS.
26. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
27. CONTRACTOR SHALL NOTIFY VERIZON WIRELESS REP A MINIMUM OF 48 HOURS IN ADVANCE OF POURING CONCRETE OR BACKFILLING ANY UNDERGROUND UTILITIES, FOUNDATIONS OR SEALING ANY WALL, FLOOR OR ROOF PENETRATIONS FOR ENGINEERING REVIEW AND APPROVAL.
28. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY INCLUDING COMPLIANCE WITH ALL APPLICABLE OSHA STANDARDS AND RECOMMENDATIONS AND SHALL PROVIDE ALL NECESSARY SAFETY DEVICES INCLUDING PPE AND PPM AND CONSTRUCTION DEVICES SUCH AS WELDING AND FIRE PREVENTION, TEMPORARY SHORING, SCAFFOLDING, TRENCH BOXES/SLOPING, BARRIERS, ETC.
29. THE CONTRACTOR SHALL PROTECT AT HIS OWN EXPENSE, ALL EXISTING FACILITIES AND SUCH OF HIS NEW WORK LIABLE TO INJURY DURING THE CONSTRUCTION PERIOD. ANY DAMAGE CAUSED BY NEGLECT ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, OR BY THE ELEMENTS DUE TO NEGLECT ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, EITHER TO THE EXISTING WORK, OR TO HIS WORK OR THE WORK OF ANY OTHER CONTRACTOR, SHALL BE REPAIRED AT HIS EXPENSE TO THE OWNER'S SATISFACTION.
30. ALL WORK SHALL BE INSTALLED IN A FIRST CLASS, NEAT AND WORKMANLIKE MANNER BY MECHANICS SKILLED IN THE TRADE INVOLVED. THE QUALITY OF WORKMANSHIP SHALL BE SUBJECT TO THE APPROVAL OF THE VERIZON WIRELESS REP. ANY WORK FOUND BY THE VERIZON WIRELESS REP TO BE OF INFERIOR QUALITY AND/OR WORKMANSHIP SHALL BE REPLACED AND/OR REWORKED AT CONTRACTOR EXPENSE UNTIL APPROVAL IS OBTAINED.
31. IN ORDER TO ESTABLISH STANDARDS OF QUALITY AND PERFORMANCE, ALL TYPES OF MATERIALS LISTED HEREINAFTER BY MANUFACTURER'S NAMES AND/OR MANUFACTURER'S CATALOG NUMBER SHALL BE PROVIDED BY THESE MANUFACTURERS AS SPECIFIED.
32. VERIZON WIRELESS FURNISHED EQUIPMENT SHALL BE PICKED-UP AT THE VERIZON WIRELESS WAREHOUSE, NO LATER THAN 48HR AFTER BEING NOTIFIED INSURED, STORED, UNCRATE, PROTECTED AND INSTALLED BY THE CONTRACTOR WITH ALL APPURTENANCES REQUIRED TO PLACE THE EQUIPMENT IN OPERATION, READY FOR USE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EQUIPMENT AFTER PICKING IT UP.
33. VERIZON WIRELESS OR HIS ARCHITECT/ENGINEER RESERVES THE RIGHT TO REJECT ANY EQUIPMENT OR MATERIALS WHICH, IN HIS OWN OPINION ARE NOT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS, EITHER BEFORE OR AFTER INSTALLATION AND THE EQUIPMENT SHALL BE REPLACED WITH EQUIPMENT CONFORMING TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE CONTRACTOR AT NO COST TO VERIZON WIRELESS OR THEIR ARCHITECT/ENGINEER.

SPECIAL CONSTRUCTION ANTENNA INSTALLATION NOTES:

1. WORK INCLUDED:
   - A. ANTENNA AND COAXIAL CABLES ARE FURNISHED BY VERIZON WIRELESS UNDER A SEPARATE CONTRACT. THE CONTRACTOR SHALL ASSIST ANTENNA INSTALLATION CONTRACTOR IN TERMS OD COORDINATION AND SITE ACCESS. ERECTION SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF PERSONNEL AND
   - B. INSTALL ANTENNA AS INDICATE ON DRAWINGS AND VERIZON WIRELESS SPECIFICATIONS.
   - C. INSTALL GALVANIZED STEEL ANTENNA MOUNTS AS INDICATED ON DRAWINGS
   - D. INSTALL FURNISHED GALVANIZED STEEL OR ALUMINUM WAVEGUIDE.
   - E. CONTRACTOR SHALL PROVIDE FOUR (4) SETS OF SWEEP TESTS USING ANRITZU-PACKARD 8713B RF SCALAR NETWORK ANALYZER. SUBMIT FREQUENCY DOMAIN REFLECTOMETER(FDR) TESTS RESULTS TO THE PROJECT MANAGER. SWEEP TESTS SHALL BE AS PER ATTACHED RFS "MINIMUM FIELD TESTING RECOMMENDED FOR ANTENNA AND HELIAX COAXIAL CABLE SYSTEMS" DATED 10/5/93. TESTING SHALL BE PERFORMED BY AN INDEPENDENT TESTING SERVICE AND BE BOUND AND SUBMITTED WITHIN ONE WEEK OF WORK COMPLETION.
   - F. INSTALL COAXIAL CABLES AND TERMINATING BETWEEN ANTENNAS AND EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. WEATHERPROOF ALL CONNECTIONS BETWEEN THE ANTENNA AND EQUIPMENT PER MANUFACTURER'S REQUIREMENTS. TERMINATE ALL COAXIAL CABLE THREE (3) FEET IN EXCESS OF ENTRY PORT LOCATION UNLESS OTHERWISE STATED.
   - G. ANTENNA AND COAXIAL CABLE GROUNDING:
2. ALL EXTERIOR #6 GREED GROUND WIRE "DAISY CHAIN" CONNECTIONS ARE TO BE WEATHER SEALED WITH RFS CONNECTORS/SPLICE WEATHERPROOFING KIT #221213 OR EQUAL.
3. ALL COAXIAL CABLE GROUNDING KITS ARE TO BE INSTALLED ON STRAIGHT RUNS OF COAXIAL CABLE (NOT WITHIN BENDS)

ALL DISCREPANCIES FROM WHAT IS SHOWN ON THESE CONSTRUCTION DRAWINGS SHALL BE COMMUNICATED TO ATC ENGINEERING IMMEDIATELY FOR CORRECTION OR RE-DESIGN. FAILURE TO COMMUNICATE DIRECTLY WITH ATC ENGINEERING OR ANY CHANGES FROM THE DESIGN CONDUCTED WITHOUT PRIOR APPROVAL FROM ATC ENGINEERING SHALL BE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

AMERICAN TOWER®

POD
POWER OF DESIGN
11490 BLUEGRASS PKWY
LOUISVILLE, KY 40299
502-437-5252

REV.	DESCRIPTION	BY	DATE
A	PRELIM	JMM	05/11/2021
0	CONSTRUCTION	KEH	06/29/2021

ATC SITE NUMBER:
302524

ATC SITE NAME:
BEACON FALLS

VERIZON WIRELESS SITE NAME:
BEACON FALLS CT

SITE ADDRESS:
664 RIMMON HILL ROAD
SEYMOUR, CT 06483

SEAL:

06/29/2021

verizon

DATE DRAWN:	05/11/2021
ATC JOB NO:	13668747
CUSTOMER ID:	BEACON FALLS CT
CUSTOMER #:	469421

TITLE SHEET

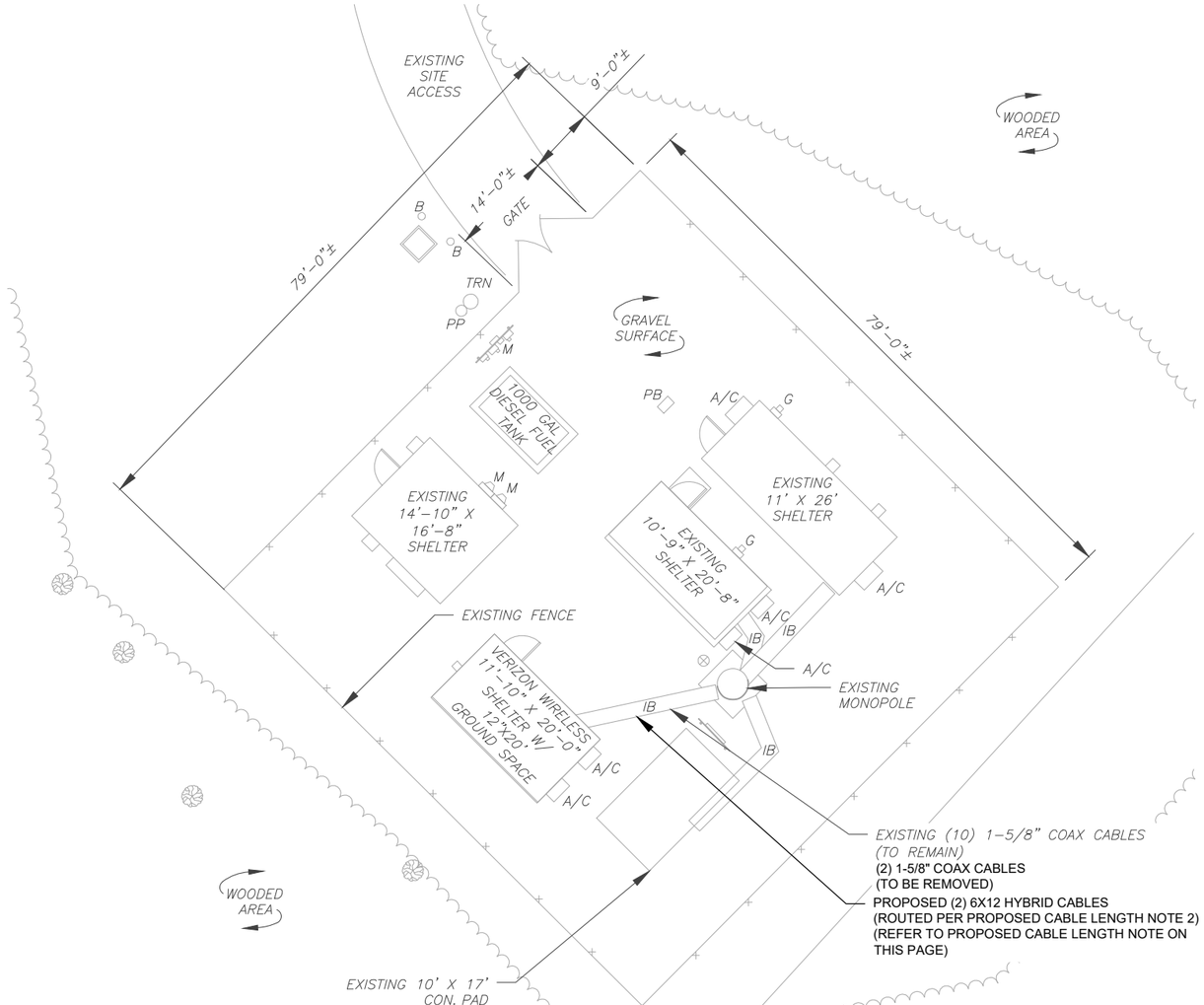
SHEET NUMBER:	REVISION:
G-002	0

SITE PLAN NOTES:

1. THIS SITE PLAN REPRESENTS THE BEST PRESENT KNOWLEDGE AVAILABLE TO THE ENGINEER AT THE TIME OF THIS DESIGN. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO CONSTRUCTION AND VERIFY ALL EXISTING CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT.
2. ICE BRIDGE, CABLE LADDER, COAX PORT, AND COAX CABLE ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL CONFIRM THE EXACT LOCATION OF ALL PROPOSED AND EXISTING EQUIPMENT AND STRUCTURES DEPICTED ON THIS PLAN. BEFORE UTILIZING EXISTING CABLE SUPPORTS, COAX PORTS, INSTALLING NEW PORTS OR ANY OTHER EQUIPMENT, CONTRACTOR SHALL VERIFY ALL ASPECTS OF THE COMPONENTS MEET THE ATC SPECIFICATIONS.
3. NO ELECTRICAL SCOPE IS INCLUDED IN THIS PROJECT.

LEGEND

⊗	GROUNDING TEST WELL
ATS	AUTOMATIC TRANSFER SWITCH
B	BOLLARD
CSC	CELL SITE CABINET
D	DISCONNECT
E	ELECTRICAL
F	FIBER
GEN	GENERATOR
G	GENERATOR RECEPTACAL
HH, V	HAND HOLE, VAULT
IB	ICE BRIDGE
K	KENTROX BOX
LC	LIGHTING CONTROL
M	METER
PB	PULL BOX
PP	POWER POLE
T	TELCO
TRN	TRANSFORMER
——x——	CHAINLINK FENCE



1 DETAILED SITE PLAN

GRAPHIC SCALE

10 0 5 10

(IN FEET)
1 UNIT = 10 FEET

N

PROPOSED CABLE LENGTH:

1. ESTIMATED LENGTH OF PROPOSED CABLE IS 192'. ESTIMATED LENGTH OF CABLE WAS PROVIDED BY CUSTOMER OR CALCULATED BY ADDING THE RAD CENTER AND THE DISTANCE FROM THE SHELTER ENTRY PLATE TO THE TOWER (ALONG THE ICE BRIDGE) AND A SAFETY FACTOR MEASUREMENT OF 15% (OF THE TWO PREVIOUS VALUES), CDS DEFER TO GREATEST CABLE LENGTH.
2. ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. IF ADEQUATE SPACE EXISTS, ROUTE CABLES THROUGH ENTRY PORT HOLE, UP INSIDE OF MONOPOLE, AND THROUGH EXIT PORT HOLE. IF ROUTING OUTSIDE THE MONOPOLE, ATTACH CABLES USING STAND-OFF ADAPTERS MOUNTED TO TOWER USING STAINLESS STEEL BANDING. ADEQUATELY SECURE CABLES USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER.

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502-437-5252

REV.	DESCRIPTION	BY	DATE
A	PRELIM	JMM	05/11/2021
0	CONSTRUCTION	KEH	06/29/2021

ATC SITE NUMBER:
302524

ATC SITE NAME:
BEACON FALLS

VERIZON WIRELESS SITE NAME:
BEACON FALLS CT

SITE ADDRESS:
664 RIMMON HILL ROAD
SEYMOUR, CT 06483

SEAL:

06/29/2021

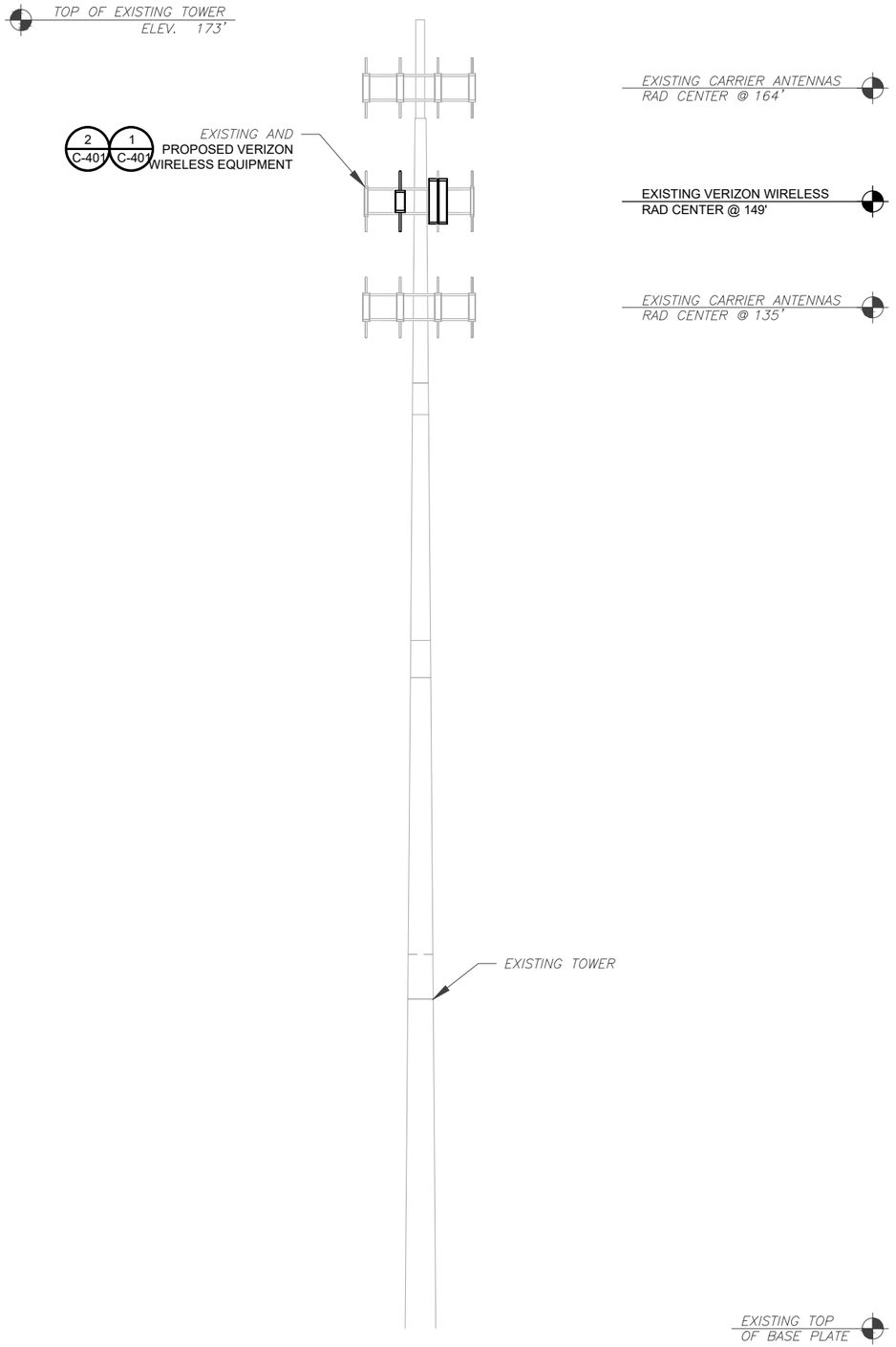
verizon

DATE DRAWN:	05/11/2021
ATC JOB NO:	13668747
CUSTOMER ID:	BEACON FALLS CT
CUSTOMER #:	469421

DETAILED SITE PLAN

SHEET NUMBER:	REVISION:
C-101	0

DigiSigner Document ID: 0919e7ec-9c26-4faf-8ae6-6558955fd046



1 TOWER ELEVATION
SCALE: N.T.S.

ATC IS ANALYZING THE ANTENNA MOUNT UNDER A SEPARATE PROJECT. CONSTRUCTION IS NOT TO PROCEED UNTIL THE MOUNT ANALYSIS IS COMPLETE AND INDICATES THE ADDITIONAL LOADING DOES NOT OVERSTRESS THE MOUNT

TOWER NOTE:

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM WITH THE PROJECT MANAGER THAT THEY HAVE THE MOST RECENT VERSION OF THE STRUCTURAL ANALYSIS BEFORE COMMENCING WORK. EXISTING AND PROPOSED TOWER APPURTENANCES, MOUNTS, AND ANTENNAS ARE SHOWN BASED ON THE STRUCTURAL ANALYSIS.
2. WHERE APPLICABLE, ALL NEW ANTENNAS, EQUIPMENT, MOUNTS, CABLING, ETC. SHALL BE PAINTED/SOCKED TO MATCH EXISTING EQUIPMENT IN ACCORDANCE WITH FAA, JURISDICTION, AND/OR OTHER LOCAL REQUIREMENTS.
3. ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. IF ADEQUATE SPACE EXISTS, ROUTE CABLES THROUGH ENTRY PORT HOLE, UP INSIDE OF MONOPOLE, AND THROUGH EXIT PORT HOLE. IF ROUTING OUTSIDE THE MONOPOLE, ATTACH CABLES USING STAND-OFF ADAPTERS MOUNTED TO TOWER USING STAINLESS STEEL BANDING. ADEQUATELY SECURE CABLES USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER.
4. TOWER ELEVATIONS ARE MEASURED FROM TOP OF BASE PLATE TO MATCH STRUCTURAL ANALYSIS. ELEVATIONS DO NOT REFLECT TRUE ABOVE GROUND LEVEL (A.G.L.)

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664 RIMMON HILL ROAD
SEYMOUR, CT 06483

SEAL:

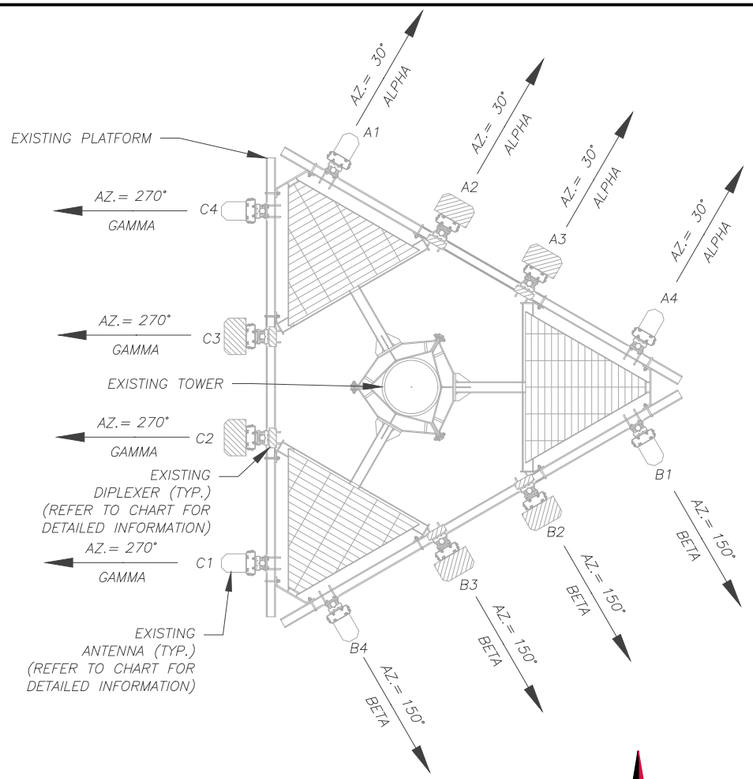
06/29/2021

verizon

DATE DRAWN:	05/11/2021
ATC JOB NO:	13668747
CUSTOMER ID:	BEACON FALLS CT
CUSTOMER #:	469421

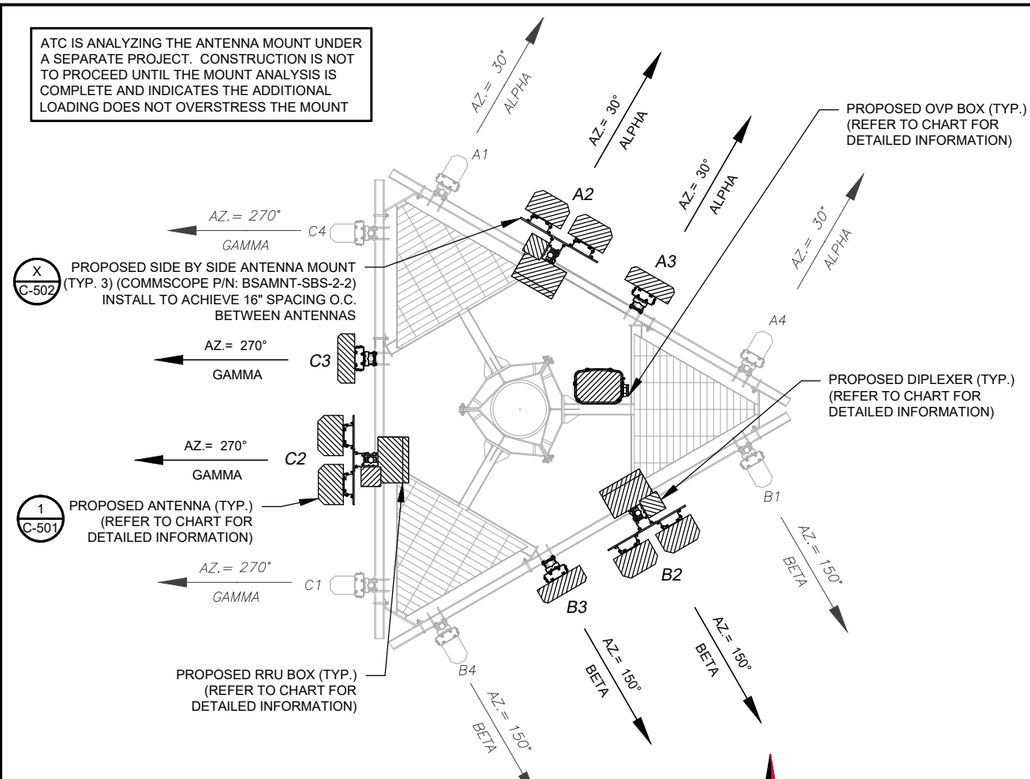
TOWER ELEVATION

SHEET NUMBER:	REVISION:
C-201	0



1 EXISTING ANTENNA PLAN
SCALE: N.T.S.

ATC IS ANALYZING THE ANTENNA MOUNT UNDER A SEPARATE PROJECT. CONSTRUCTION IS NOT TO PROCEED UNTIL THE MOUNT ANALYSIS IS COMPLETE AND INDICATES THE ADDITIONAL LOADING DOES NOT OVERSTRESS THE MOUNT



2 FINAL ANTENNA PLAN
SCALE: N.T.S.

EXISTING ANTENNA SCHEDULE

LOCATION			ANTENNA SUMMARY					NON ANTENNA SUMMARY	
SECTOR	RAD	AZ	POS	ANTENNA	BAND	MECH/ELEC D-TILT	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	149'	30°	A1	DB844H80-XY	CDMA	–	RMN	–	–
			A2	SBNHH-1D65B	700/AWS LTE	-	RMV	(1) FD9R6004/2C-3L	RMV
			A3	SBNHH-1D65B	700/AWS LTE	-	RMV	(1) FD9R6004/2C-3L	RMV
			A4	DB844H80-XY	CDMA	–	RMN	–	–
BETA	149'	150°	B1	DB844H80-XY	CDMA	–	RMN	–	–
			B2	SBNHH-1D65B	700/AWS LTE	-	RMV	(1) FD9R6004/2C-3L	RMV
			B3	SBNHH-1D65B	700/AWS LTE	-	RMV	(1) FD9R6004/2C-3L	RMV
			B4	DB844H80-XY	CDMA	–	RMN	–	–
GAMMA	149'	270°	C1	DB844H80-XY	CDMA	–	RMN	–	–
			C2	SBNHH-1D65B	700/AWS LTE	–	RMV	(1) FD9R6004/2C-3L	RMV
			C3	SBNHH-1D65B	700/AWS LTE	–	RMV	(1) FD9R6004/2C-3L	RMV
			C4	DB844H80-XY	CDMA	–	RMN	–	–

NOTES

1. CONFIRM WITH VERIZON WIRELESS REP FOR APPLICABLE UPDATES/REVISIONS AND MOST RECENT RFDS FOR NSN CONFIGURATION (CONFIG). GC TO CAP ALL UNUSED PORTS.
2. CONFIRM SPACING OF PROPOSED EQUIP DOES NOT CAUSE TOWER CONFLICTS NOR IMPEDE TOWER CLIMBING PEGS.

STATUS ABBREVIATIONS

RMV: TO BE REMOVED
RMN: TO REMAIN
REL: TO BE RELOCATED
ADD: TO BE ADDED

CABLE LENGTHS FOR JUMPERS

JUNCTION BOX TO RRU: 15'
RRU TO ANTENNA: 10'

FINAL ANTENNA SCHEDULE

LOCATION			ANTENNA SUMMARY					NON ANTENNA SUMMARY	
SECTOR	RAD	AZ	POS	ANTENNA	BAND	MECH/ELEC D-TILT	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	149'	30°	A1	DB844H80-XY	CDMA	–	RMN	–	–
			A2	(2) JAHH-65B-R3B	700/850/1900/AWS LTE	-	ADD	(1) B5/B66A RRH-BR049 (1) B5/B13 RRH-BR04C (1) CBC78T-DS-43-2X	ADD
			A3	MT6407-77A	5G	-	ADD	-	-
			A4	DB844H80-XY	CDMA	–	RMN	–	–
BETA	149'	150°	B1	DB844H80-XY	CDMA	–	RMN	–	–
			B2	(2) JAHH-65B-R3B	700/850/1900/AWS LTE	-	ADD	(1) B5/B66A RRH-BR049 (1) B5/B13 RRH-BR04C (1) CBC78T-DS-43-2X	ADD
			B3	MT6407-77A	5G	-	ADD	-	-
			B4	DB844H80-XY	CDMA	–	RMN	-	–
GAMMA	149'	270°	C1	DB844H80-XY	CDMA	–	RMN	-	–
			C2	(2) JAHH-65B-R3B	700/850/1900/AWS LTE	-	ADD	(1) B5/B66A RRH-BR049 (1) B5/B13 RRH-BR04C (1) CBC78T-DS-43-2X	ADD
			C3	MT6407-77A	5G	-	ADD	-	-
			C4	DB844H80-XY	CDMA	–	RMN	–	–

EXISTING FIBER DISTRIBUTION/OVP BOX		EXISTING CABLING SUMMARY		
MODEL NUMBER	STATUS	COAX	HYBRID	STATUS
–	–	(10) 1-5/8"	–	RMN
–	–	(2) 1-5/8"	–	RMV

3 EQUIPMENT SCHEDULES

FINAL FIBER DISTRIBUTION / OVP BOX		FINAL CABLING SUMMARY		
MODEL NUMBER	STATUS	COAX	HYBRID	STATUS
(1) RCMDC-6627-PF-48	ADD	-	(2) 6X12	ADD
–	–	(10) 1-5/8"	–	–

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0	CONSTRUCTION	KEH	06/29/2021

ATC SITE NUMBER:
302524

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BEACON FALLS

VERIZON WIRELESS SITE NAME:
BEACON FALLS CT

SITE ADDRESS:
664 RIMMON HILL ROAD
SEYMOUR, CT 06483

SEAL:

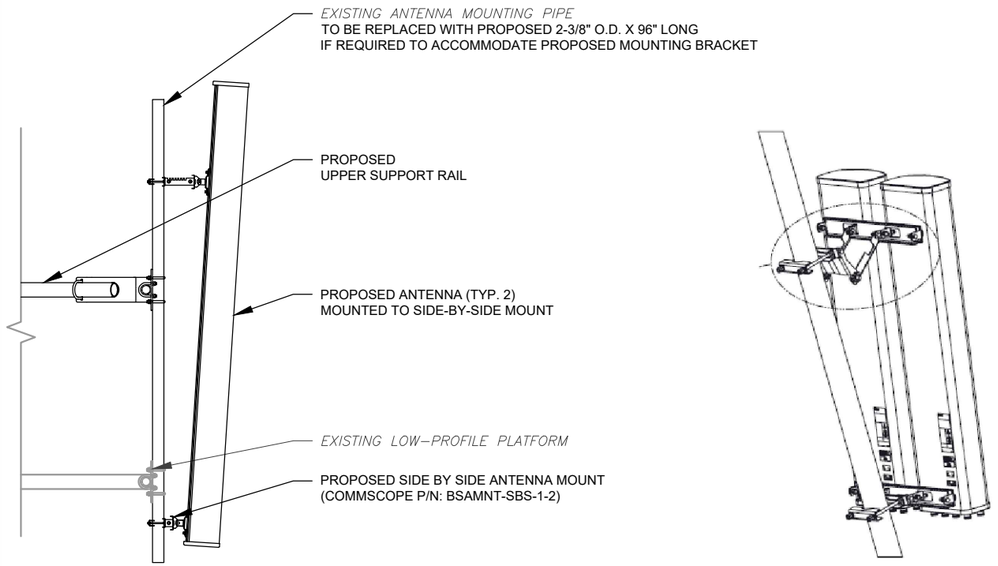
06/29/2021

verizon

DATE DRAWN:	05/11/2021
ATC JOB NO:	13668747
CUSTOMER ID:	BEACON FALLS CT
CUSTOMER #:	469421

RF SCHEDULE AND ANTENNA INSTALLATION

SHEET NUMBER:	REVISION:
C-401	0

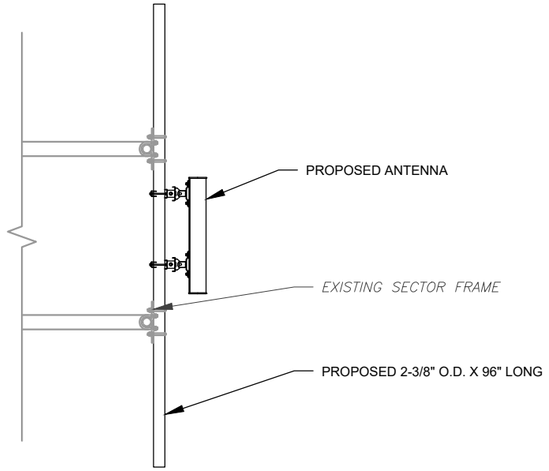


PROFILE VIEW

ISOMETRIC VIEW (BY MANUFACTURER)

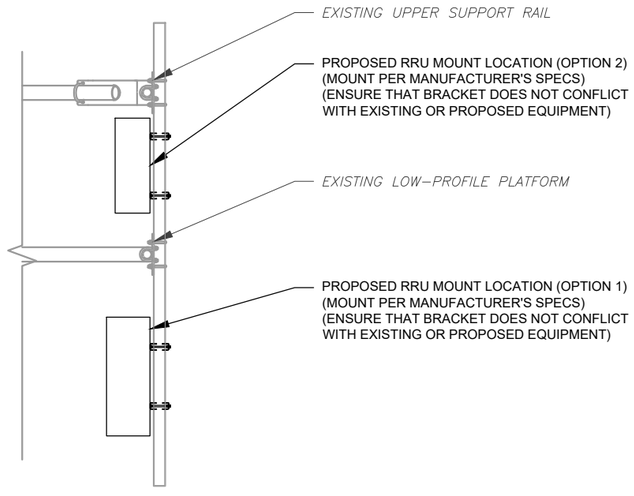
1 PROPOSED SIDE-BY-SIDE MOUNT

SCALE: NOT TO SCALE



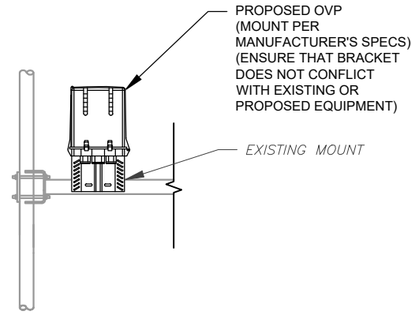
2 PROPOSED 5G ANTENNA MOUNTING DETAIL - TYPICAL

SCALE: N.T.S.



3 PROPOSED RRU MOUNTING DETAIL - TYPICAL

SCALE: N.T.S.



3 PROPOSED OVP MOUNTING

SCALE: N.T.S.

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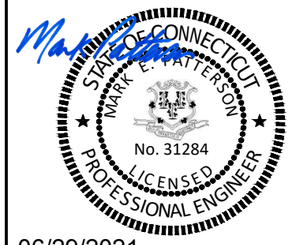
664 RIMMON HILL ROAD
SEYMOUR, CT 06483

SEAL:



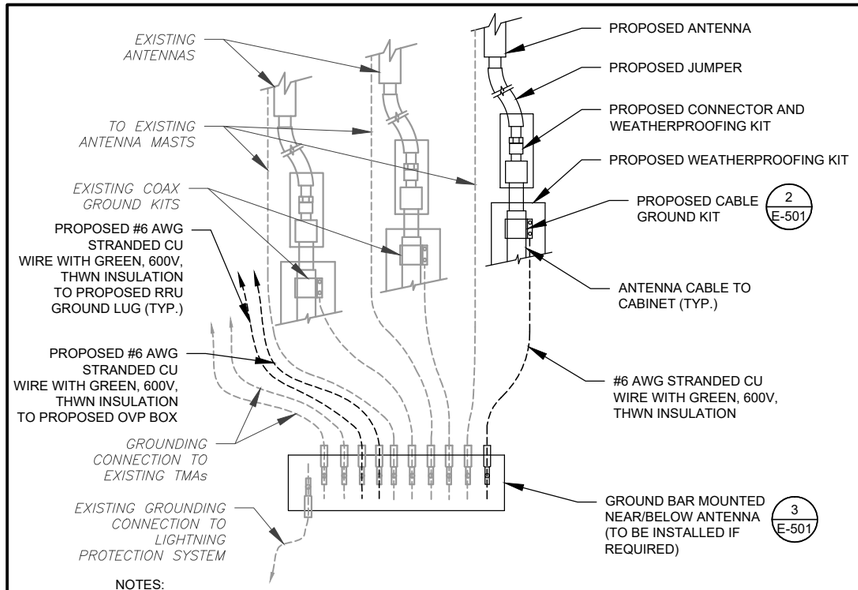
06/29/2021

verizon

DATE DRAWN:	05/11/2021
ATC JOB NO:	13668747
CUSTOMER ID:	BEACON FALLS CT
CUSTOMER #:	469421

CONSTRUCTION DETAILS

SHEET NUMBER:	REVISION:
C-501	0

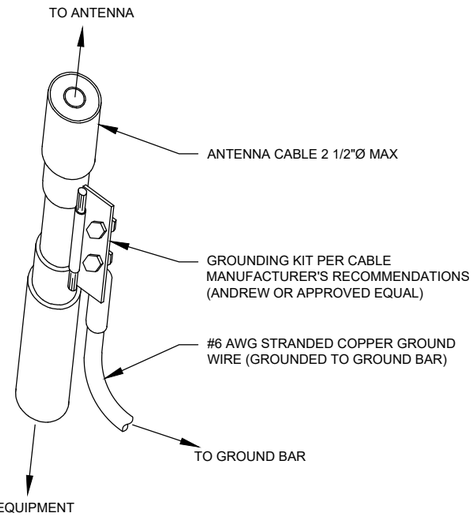


NOTES:

1. THIS DETAIL IS INTENDED TO SHOW THE GENERAL GROUNDING REQUIREMENTS. SLIGHT ADJUSTMENTS MAY BE REQUIRED BASED ON EXISTING SITE CONDITIONS. THE CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS AS NEEDED AND INFORM THE CONSTRUCTION MANAGER OF ANY CONFLICTS.
2. SITE GROUNDING SHALL COMPLY WITH VERIZON WIRELESS GROUNDING STANDARDS, LATEST EDITION, AND COMPLY WITH VERIZON WIRELESS GROUNDING CHECKLIST, LATEST VERSION. WHEN NATIONAL AND LOCAL GROUNDING CODES ARE MORE STRINGENT THEY SHALL GOVERN.

1 TYPICAL ANTENNA GROUNDING DIAGRAM

SCALE: N.T.S.

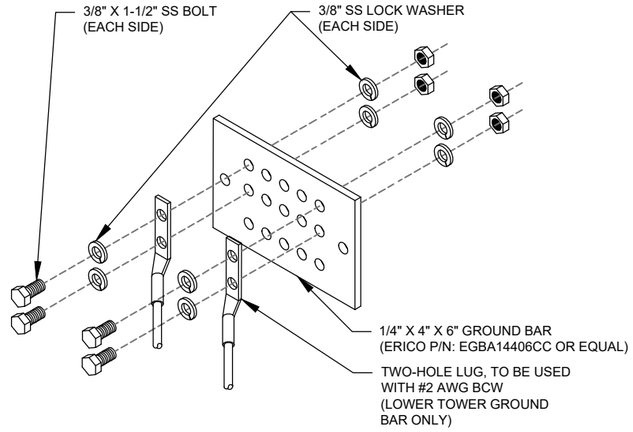


GROUND KIT NOTES:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
2. CONTRACTOR SHALL PROVIDE WEATHERPROOFING KIT (ANDREW PART NUMBER 221213) AND INSTALL/TAPE PER MANUFACTURER'S SPECIFICATIONS.

2 CABLE GROUND KIT CONNECTION DETAIL

SCALE: N.T.S.



GROUND BAR NOTES:

1. GROUND BAR KITS COME WITH ALL HARDWARE, NUTS, BOLTS, WASHERS, ETC. EXCEPT THE STRUCTURAL MOUNTING MEMBER(S).
2. GROUND BAR TO BE BONDED DIRECTLY TO TOWER.

3 TOWER GROUND BAR DETAIL

SCALE: N.T.S.

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CUSTOMER #:	469421

GROUNDING DETAILS

SHEET NUMBER:	REVISION:
E-501	0

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

Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10072488
Maser Consulting Connecticut Project #: 21777520A

June 10, 2021

Site Information

Site ID:	*469421-VZW / BEACON FALLS CT*
Site Name:	*BEACON FALLS CT*
Carrier Name:	*Verizon Wireless*
Address:	*664 Rimmon Hill Rd* *Beacon Falls, Connecticut 06483* *New Haven County*
Latitude:	*41.407317°*
Longitude:	*-73.079275°*

Structure Information

Tower Type:	*Monopole*
Mount Type:	*12.83-Ft Platform*

FUZE ID # 16244575

Analysis Results

Platform: **67.3% Pass**

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

Report Prepared By: Prasanna Dhakal

STATE OF CONNECTICUT · DEJIAN XU · No. 33733 · LICENSED PROFESSIONAL ENGINEER

06/11/2021

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
147.00	148.90	6	Commscope	JAHH-65B-R3B	Added
		3	Samsung	MT6407-77A	
		3	Commscope	CBC78T-DS-43-2X	
		1	Raycap	RVZDC-6627-PF-48	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		6	Decibel	DB844H80-XY	Retained

The recent mount mapping did not report existing OVP units. However, it is acceptable to install up to any three (3) of the OVP model numbers listed below as required at any location other than the mount face without affecting the structural capacity of the mount. If OVP units are installed on the mount face, a mount re-analysis may be required.

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

Standard Conditions:

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

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

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

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

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

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

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

SUPPLEMENTAL

SHEET NUMBER:	REVISION:
R-601	0

PROJECT NOTES

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

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MOUNT MODIFICATION DRAWINGS
EXISTING 12.83' PLATFORM

SITE NAME: BEACON FALLS CT
SITE NUMBER: 469421

664 RIMMON HILL RD
BEACON FALLS, CT 06483
NEW HAVEN COUNTY

PROJECT INFORMATION

SITE INFORMATION

LATITUDE: 41.407317° N
LONGITUDE: 73.079275° W
JURISDICTION: NEW HAVEN COUNTY

APPLICANT/LESSEE

COMPANY: VERIZON WIRELESS

CLIENT REPRESENTATIVE

COMPANY: VERIZON WIRELESS
ADDRESS: 118 FLANDERS ROAD, THIRD FLOOR
CITY, STATE, ZIP: WESTBOROUGH, MA 01581
CONTACT: ANDREW CANDIELLO
EMAIL: ANDREW.CANDIELLO@VERIZONWIRELESS.COM

PROJECT MANAGER

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

SHEET INDEX

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CONTRACTOR PMI REQUIREMENTS

PMI LOCATION:	HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #:	10072488
VZW LOCATION CODE (PSLC):	469421
FUZE ID:	16244575

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

REFERENCED DOCUMENTS

FAILING MOUNT ANALYSIS REPORT

SMART TOOL PROJECT #:	10050547
MASER CONSULTING PROJECT #:	21777520A
ANALYSIS DATE:	5/20/2021

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SCALE: AS SHOWN
JOB NUMBER: 21777520A

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SITE NAME:

BEACON FALLS CT
469421

664 RIMMON HILL RD
BEACON FALLS, CT 06483
NEW HAVEN 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: T-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

BILL OF MATERIALS

VZWSMART KITS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES
1	VZWSMART	VZWSMART-PLK1	SUPPORT RAIL KIT	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2
1		VZWSMART-PLK5	KICKER KIT	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2
1		VZWSMART-PLK7	MONOPOLE COLLAR MOUNT ASSEMBLY	
3		VZWSMART-MSK1	CROSSOVER PLATE	

OTHER REQUIRED PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES
3	-	-	96" LONG, P2.5 STD	GALVANIZED
3	-	-	1/2" DIA. U-BOLT	
1	-	-	36" LONG, P2.0 STD	GALVANIZED
1	SITE PRO 1	SQCX4-K	CROSSOVER PLATE KIT W/ SQUARE U-BOLTS AND STD. U-BOLTS	OR EOR APPROVED EQUAL, CONTACT MASER CONSULTING FOR APPROVAL OF SUBSTITUTION

NOTE: ALL MATERIALS REQUIRED FOR THE DESIGNED MODIFICATIONS BUT NOT LISTED IN THIS SHEET ARE ASSUMED TO BE PROVIDED BY THE CONTRACTOR

VZWSMART KITS - APPROVED VENDORS

COMMSCOPE

CONTACT	SALVADOR ANGUIANO
PHONE	(817) 304-7492
EMAIL	SALVADOR.ANGUIANO@COMMSCOPE.COM
WEBSITE	WWW.COMMSCOPE.COM

METROSITE FABRICATORS, LLC

CONTACT	KENT RAMEY
PHONE	(706) 335-7045 (O), (706) 982-9788 (M)
EMAIL	KENT@METROSITELLC.COM
WEBSITE	METROSITEFABRICATORS.COM

PERFECTVISION

CONTACT	WIRELESS SALES
PHONE	(844) 887-6723
EMAIL	WWW.PERFECT-VISION.COM
WEBSITE	WIRELESSSALES@PERFECT-VISION.COM

SABRE INDUSTRIES, INC.

CONTACT	ANGIE WELCH
PHONE	(866) 428-6937
EMAIL	AKWELCH@SABREINDUSTRIES.COM
WEBSITE	WWW.SABRESITESOLUTIONS.COM

SITE PRO 1

CONTACT	PAULA BOSWELL
PHONE	(972) 236-9843
EMAIL	PAULA.BOSWELL@VALMONT.COM
WEBSITE	WWW.SITEPRO1.COM

NOTE: WHEN SPECIFIED, VZWSMART KITS SHALL BE REQUIRED AND WILL BE VERIFIED DURING THE DESKTOP PMI

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STATE OF CONNECTICUT
DEJIAN XU
CONNECTICUT PROFESSIONAL ENGINEER
LICENSE NO. 33733
MASER CONSULTING
LICENSED PROFESSIONAL ENGINEER
06/11/2021

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SHEET TITLE: BILL OF MATERIALS

SHEET NUMBER: S-1

GENERAL NOTES

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

DESIGN LOADS

WIND LOADS

a. BASIC WIND SPEED (3 SECOND GUST), V = 118 MPH

b. EXPOSURE CATEGORY C

c. TOPOGRAPHIC CATEGORY 1

d. MEAN BASE ELEVATION (AMSL) = 420.4'

ICE LOADS

a. ICE WIND SPEED (3 SECOND GUST), V = 50 MPH

b. ICE THICKNESS = 1.00 IN

SEISMIC LOADS

a. SEISMIC DESIGN CATEGORY B

b. SHORT TERM MCER GROUND MOTION, S_S = .200

c. LONG TERM MCER GROUND MOTION, S_1 = .054

STRUCTURAL STEEL

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

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

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

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Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE : MODIFICATION NOTES

SHEET NUMBER : S-2

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

MODIFICATION INSPECTION NOTES

MI CHECKLIST

CONSTRUCTION/ INSTALLATION INSPECTIONS AND TESTING REQUIRED (COMPLETED BY EOR)	REPORT ITEM
PRE-CONSTRUCTION	
X	MI CHECKLIST DRAWING
X	EOR APPROVED SHOP DRAWINGS
NA	FABRICATION INSPECTION
NA	FABRICATOR CERTIFIED WELD INSPECTION
X	MATERIAL TEST REPORT (MTR)
NA	FABRICATOR NDE INSPECTION
X	PACKING SLIPS
ADDITIONAL TESTING AND INSPECTIONS:	
CONSTRUCTION	
X	CONSTRUCTION INSPECTIONS
NA	CONTRACTOR'S CERTIFIED WELD INSPECTION AND NDE REPORTS
X	ON SITE COLD GALVANIZING VERIFICATION
X	GC AS-BUILT DOCUMENTS
ADDITIONAL TESTING AND INSPECTIONS:	
POST-CONSTRUCTION	
X	MI INSPECTOR REDLINE OR RECORD DRAWING(S)
X	VZW PMI DOCUMENTS
X	PHOTOGRAPHS
ADDITIONAL TESTING AND INSPECTIONS:	

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

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

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

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

MI INSPECTOR

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

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

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

GENERAL CONTRACTOR

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

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

THE GC SHALL PERFORM AND RECORD THE TEST AND INSPECTION RESULTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE MI CHECKLIST.

RECOMMENDATIONS

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

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

CORRECTION OF FAILING MI'S

IF THE MODIFICATION INSTALLATION WOULD FAIL THE MI ("FAILED MI"), THE GC SHALL WORK WITH THE OWNER TO COORDINATE A REMEDIATION PLAN:

- CORRECT FAILING ISSUES TO COMPLY WITH THE SPECIFICATIONS CONTAINED IN THE ORIGINAL CONTRACT DOCUMENTS AND COORDINATE A SUPPLEMENT MI.

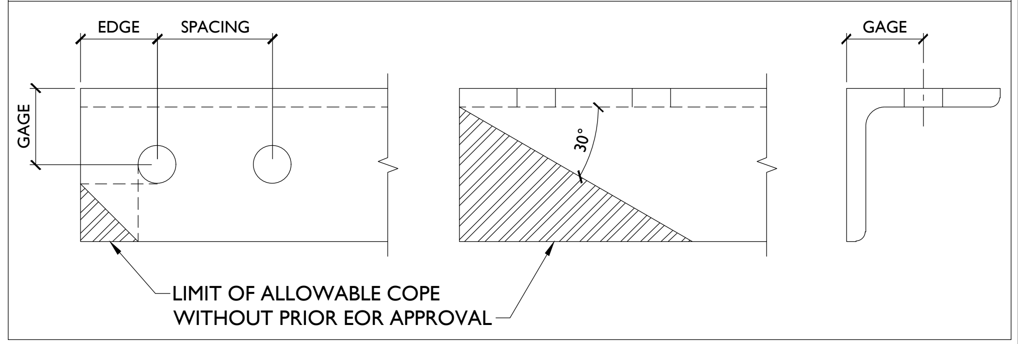
REQUIRED PHOTOS

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

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

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

ALLOWABLE COPING

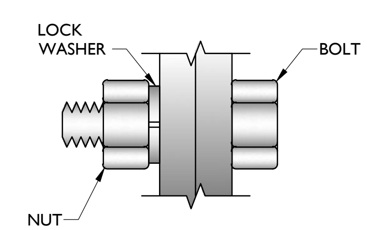


BOLT SCHEDULE (IN.)

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

WORKABLE GAGES (IN.)

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



TYP. BOLT ASSEMBLY

NOTES:

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

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REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
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.	.	.	.	.
.	.	.	.	.
0	6/11/2021	ISSUED FOR CONSTRUCTION	BPC	DX

STATE OF CONNECTICUT · DEJIAN XU · No. 33733 · LICENSED · PROFESSIONAL ENGINEER
CONNECTICUT PROFESSIONAL ENGINEER
LICENSE NO. 33733
MASER CONSULTING
06/11/2021

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:

BEACON FALLS CT
469421

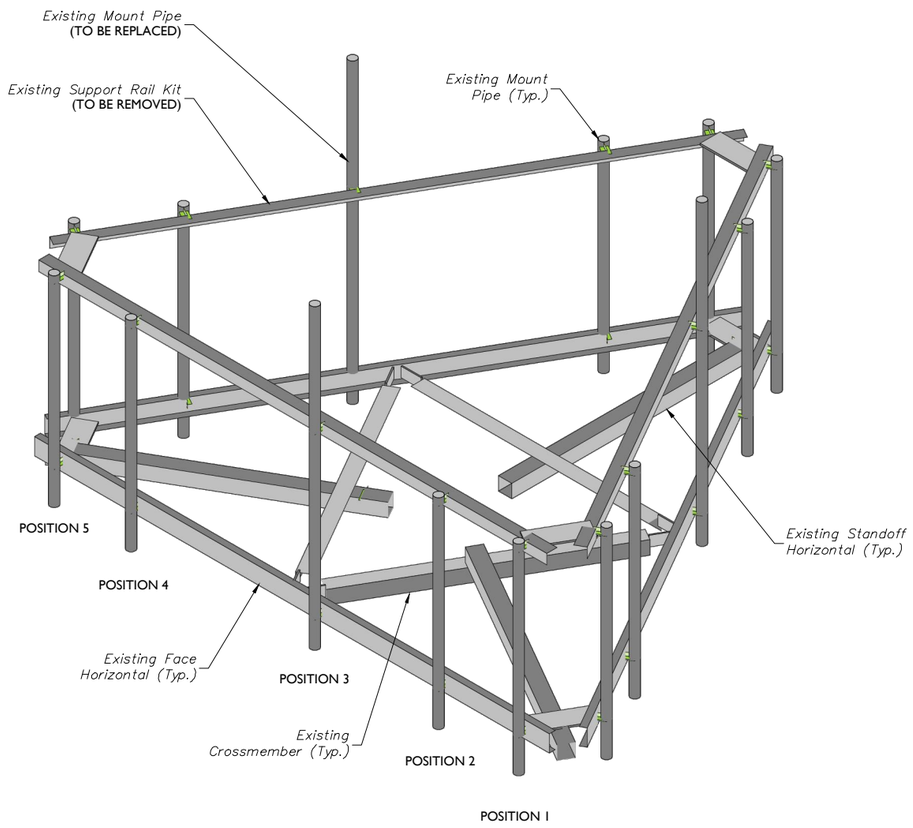
664 RIMMON HILL RD
BEACON FALLS, CT 06483
NEW HAVEN COUNTY

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

SHEET TITLE :
MODIFICATION NOTES

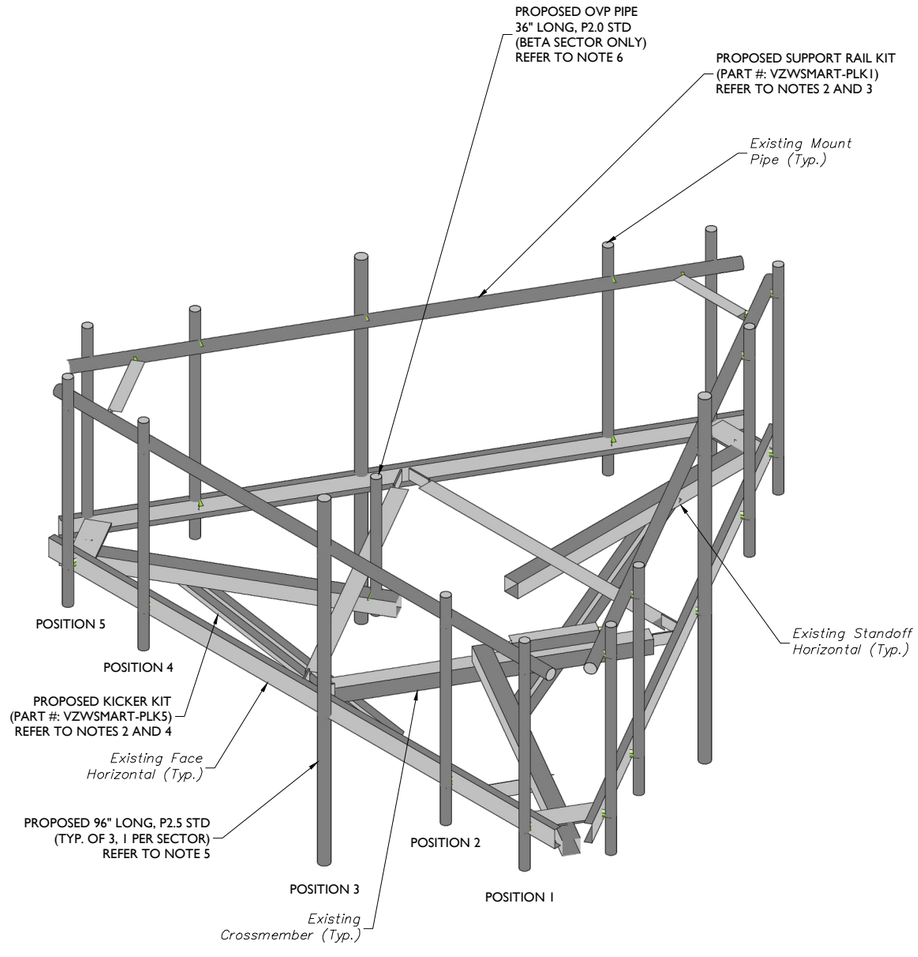
SHEET NUMBER :
S-3

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



1 EXISTING PLATFORM ISOMETRIC VIEW

SCALE : N.T.S.



2 PROPOSED PLATFORM ISOMETRIC VIEW

SCALE : N.T.S.

STRUCTURAL NOTES:

1. PER THE MOUNT MAPPING COMPLETED BY FDH INFRASTRUCTURE SERVICES ON 4/13/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (147'-0") ARE IN GOOD CONDITION. MASER DOES NOT WARRANT THIS INFORMATION.
2. INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB, OR ANY SYSTEM INSTALLED ON THE STRUCTURE. TIMELY NOTICE AND DOCUMENTATION SHALL BE PROVIDED BY CONTRACTORS TO THE EOR (OF STRUCTURAL DESIGN) IF AN OBSTRUCTION WAS REQUIRED TO MEET THE RF SYSTEM DESIGN REQUIREMENTS AND PERFORMANCES.

MODIFICATION NOTES:

1. MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
2. CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2.
3. RADIO AND/OR TME POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE.
4. CONNECT OTHER END OF KICKER KIT TO MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7).
5. CONNECT PROPOSED MOUNT PIPE TO FACE HORIZONTAL USING (1) 1/2" U-BOLT AND CONNECT TO THE SUPPORT RAIL WITH MSK1 CROSSOVER PLATE. CONTRACTOR TO DRILL HOLE ON FACE HORIZONTAL AS NECESSARY.
6. CONNECT NEW OVP PIPE TO EXISTING STANDOFF HORIZONTAL WITH CROSSOVER PLATES (SITE PRO 1 PART#: SQCX4-K, OR EOR APPROVED EQUAL, CONTACT MASER CONSULTING FOR APPROVAL OF SUBSTITUTION)

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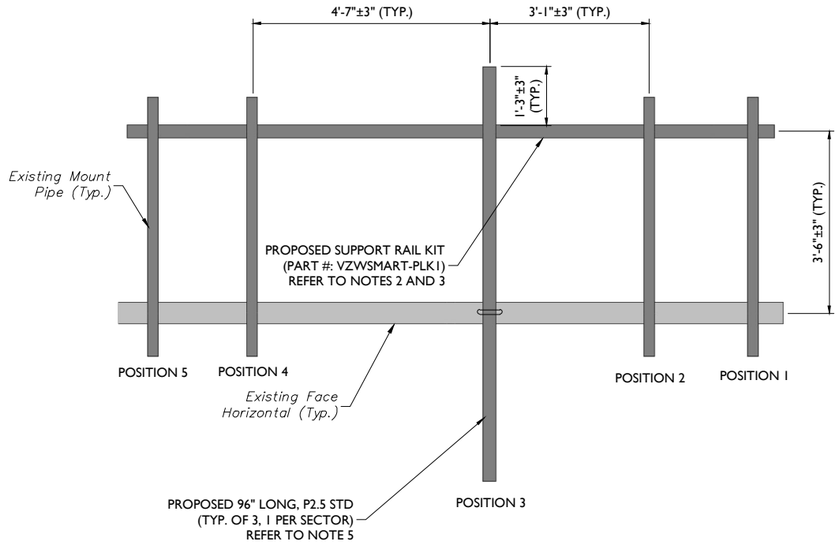
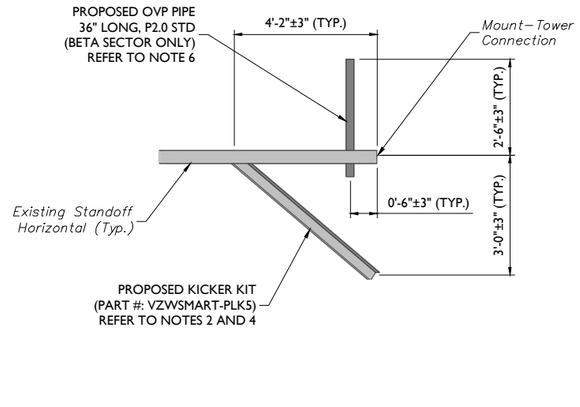
SHEET TITLE : MODIFICATION DETAILS

SHEET NUMBER : S-4



1 PROPOSED FRONT ELEVATION (TYP. ALL SECTORS)

SCALE : N.T.S.



2 PROPOSED SIDE ELEVATION (TYP. ALL SECTORS)

SCALE : N.T.S.

MODIFICATION NOTES:

1. MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
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5. CONNECT PROPOSED MOUNT PIPE TO FACE HORIZONTAL USING (1) 1/2" U-BOLT AND CONNECT TO THE SUPPORT RAIL WITH MSK1 CROSSOVER PLATE. CONTRACTOR TO DRILL HOLE ON FACE HORIZONTAL AS NECESSARY.
6. CONNECT NEW OVP PIPE TO EXISTING STANDOFF HORIZONTAL WITH CROSSOVER PLATES (SITE PRO 1 PART#: SQCX4-K, OR EOR APPROVED EQUAL, CONTACT MASER CONSULTING FOR APPROVAL OF SUBSTITUTION)

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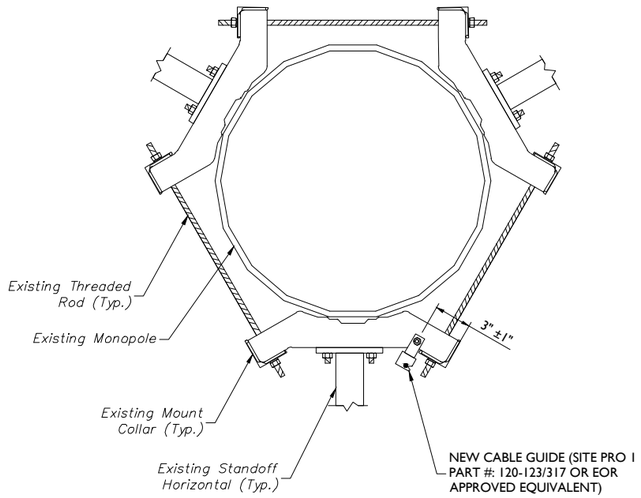
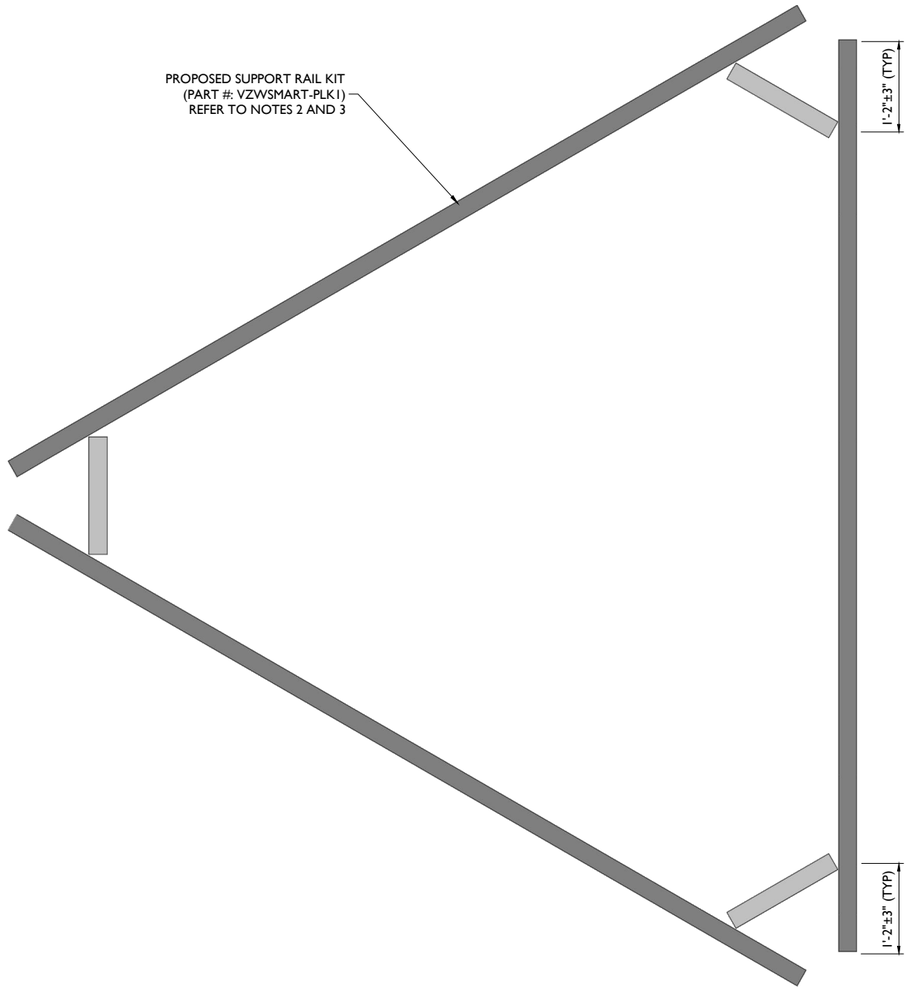
SHEET TITLE : MODIFICATION DETAILS

SHEET NUMBER : S-5



1 PROPOSED COLLAR ATTACHMENT SAFETY CLIMB - PLAN VIEW

SCALE : N.T.S.



2 PROPOSED FRAME VIEW

SCALE : N.T.S.

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1. MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
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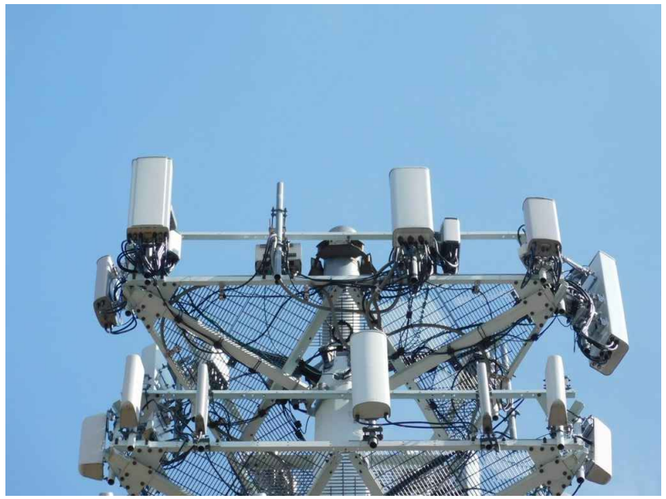
SHEET TITLE :
MODIFICATION DETAILS

SHEET NUMBER :
S-6



MOUNT PHOTO 1

MOUNT PHOTO 2

MOUNT PHOTO 3

MOUNT PHOTO 4

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CONNECTICUT PROFESSIONAL ENGINEER
LIC. NO. 33733
MASER CONSULTING
06/11/2021

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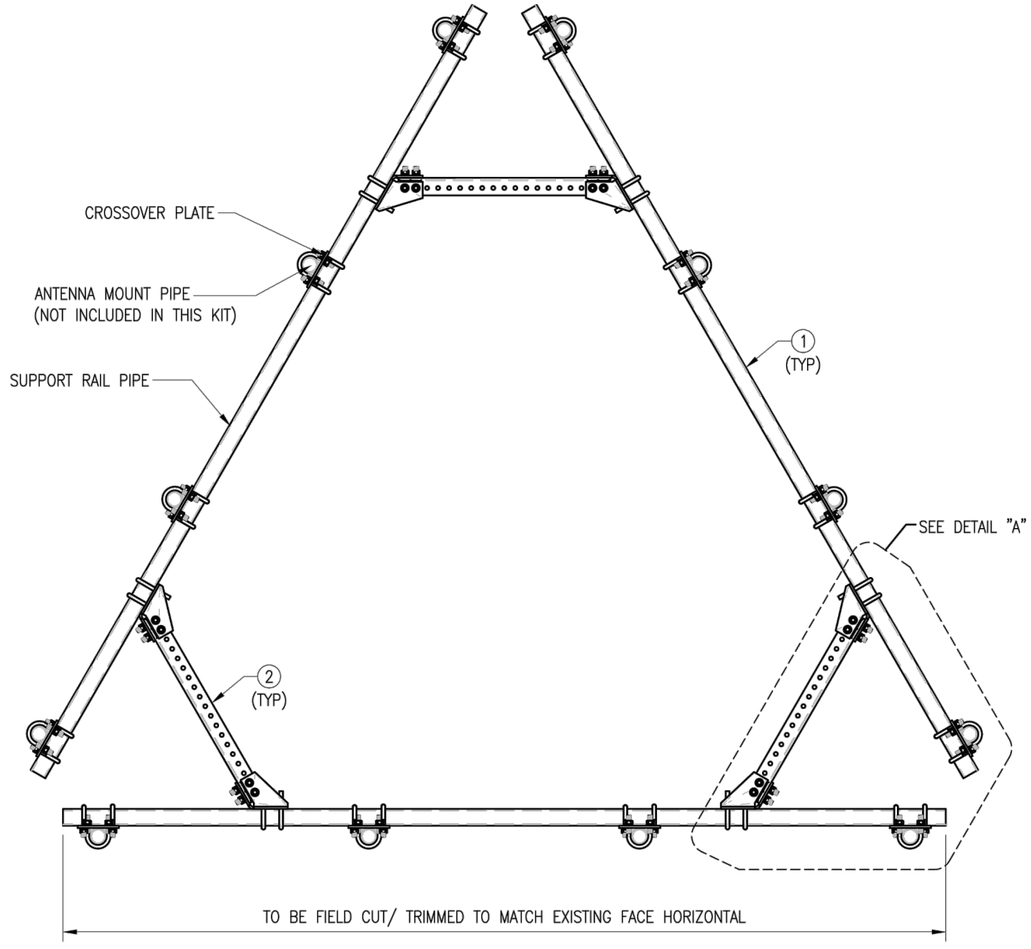
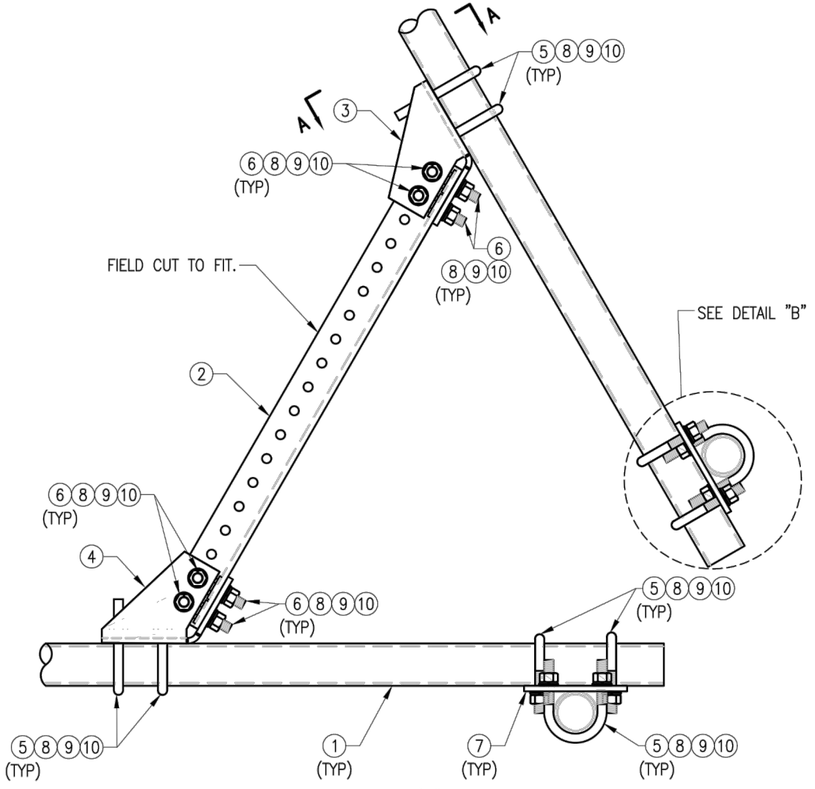
SHEET TITLE :
MOUNT PHOTOS

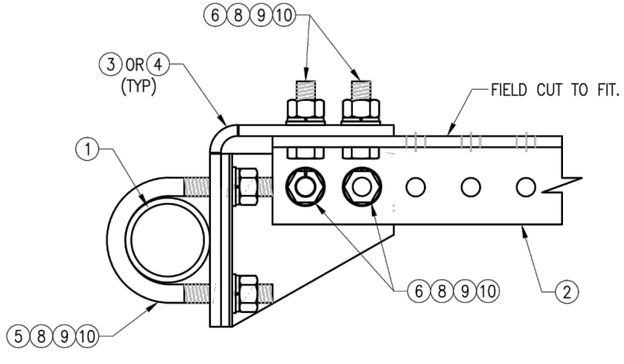
SHEET NUMBER :
S-7



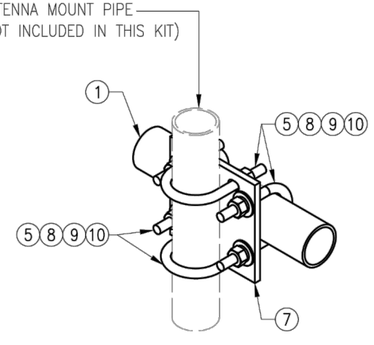
PLAN VIEW



DETAIL "A"



SECTION "A–A"



DETAIL "B"

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

VZW SMART–PLK1 (SUPPORT RAIL KIT)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	PST2875–12.5	2.5" PST (2.875" O.D. X 0.203" THK.) X 12'–6" A53 GR–B	PLK1–F1	292
2	3	L33375–3	L 3" X 3" X 3/8" X 3'–0" A36	PLK1–F1	66
3	3	CBP–L	CORNER BENT PLATE BRACKET	PLK1–F2	28
4	3	CBP–R	CORNER BENT PLATE BRACKET	PLK1–F2	28
5	60	MS02–625–300–500	RU–BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC–1	82
6	24	---	BOLT 5/8" X 2" A325	---	9
7	12	PL375–857	PL 3/8" X 8 1/2" X 7'–0" A36	PLK1–F3	77
8	144	FW–625	5/8" HDG USS FLAT WASHER	---	12
9	144	LW–625	5/8" HDG LOCK WASHER	---	3
10	144	NUT–625	5/8" HDG HEX NUT	---	17
				GALVANIZED WT	504

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DRAWN BY: H.R | CHECKED BY: HMA

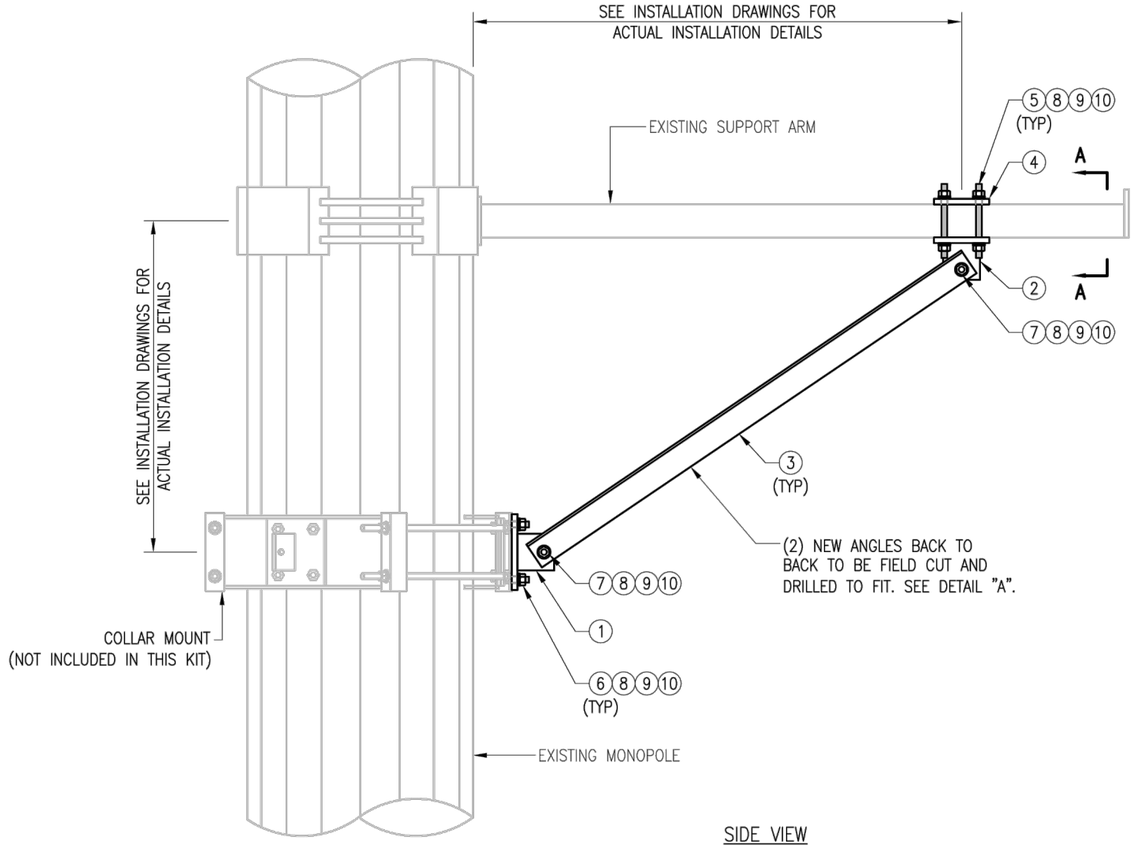
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	H.R	05/08/20

SHEET TITLE:
VZWSMART–PLK1
SUPPORT RAIL KIT

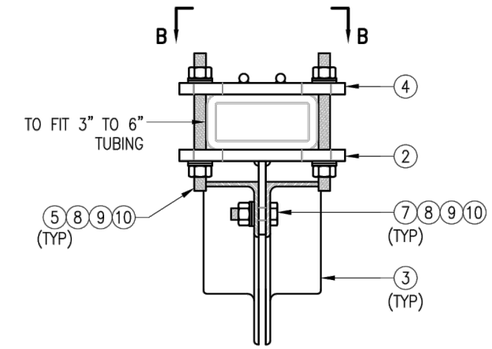
SHEET NUMBER: VZWSMART–PLK1

REV #: 0

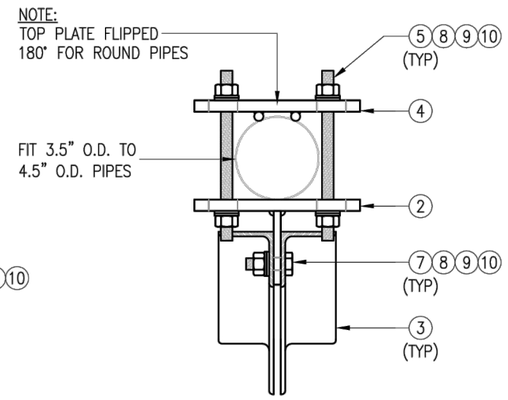
NOTE:
THE LOCATION OF KICKER AND EXISTING ANTENNA MOUNT SHOWN ON THE DRAWING IS FOR REPRESENTATION PURPOSE ONLY. SEE INSTALLATION DRAWINGS FOR ACTUAL INSTALLATION OF DETAILS.



SIDE VIEW
KICKER KIT

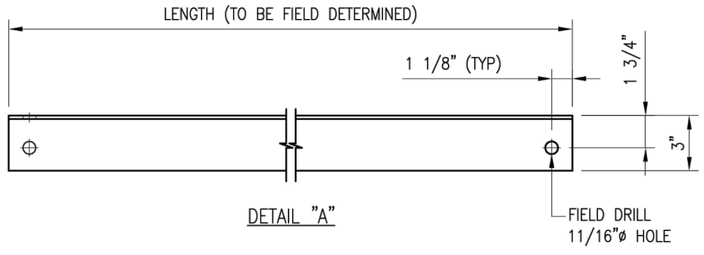


SECTION "A–A"
RECT. HSS MOUNTING



SECTION "A–A"
ROUND PIPE MOUNTING

SECTION "B–B"



DETAIL "A"

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

VZWSMART–PLK5 (KICKER KIT)

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

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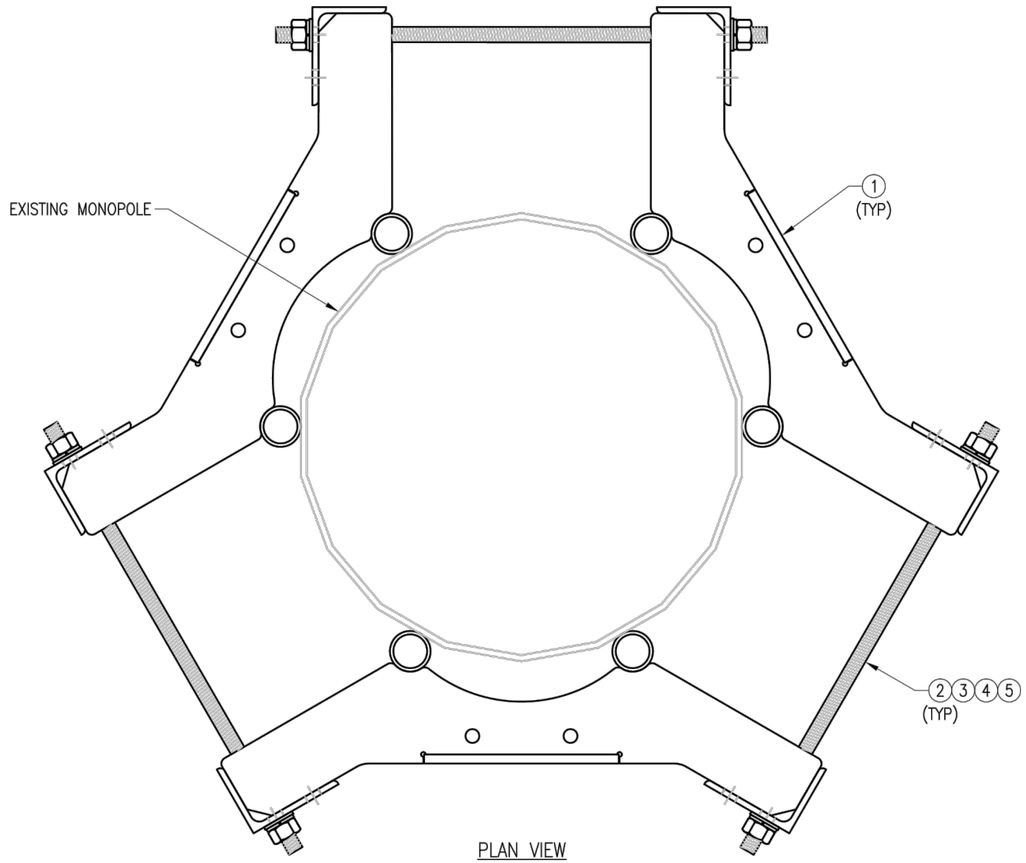
DRAWN BY: MN | CHECKED BY: HMA/KW

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

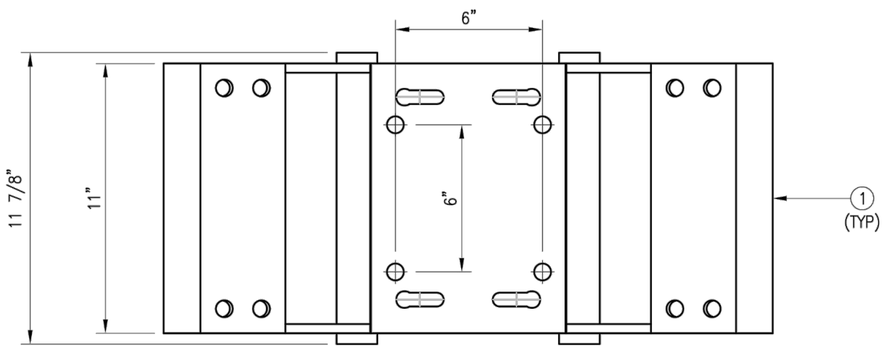
SHEET TITLE:
VZWSMART–PLK5
KICKER KIT

SHEET NUMBER: VZWSMART–PLK5

REV #: 0



PLAN VIEW
MONOPOLE COLLAR MOUNT ASSEMBLY



FRONT VIEW

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

VZWSMART-PLK7 (MONOPOLE COLLAR MOUNT ASSEMBLY)

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

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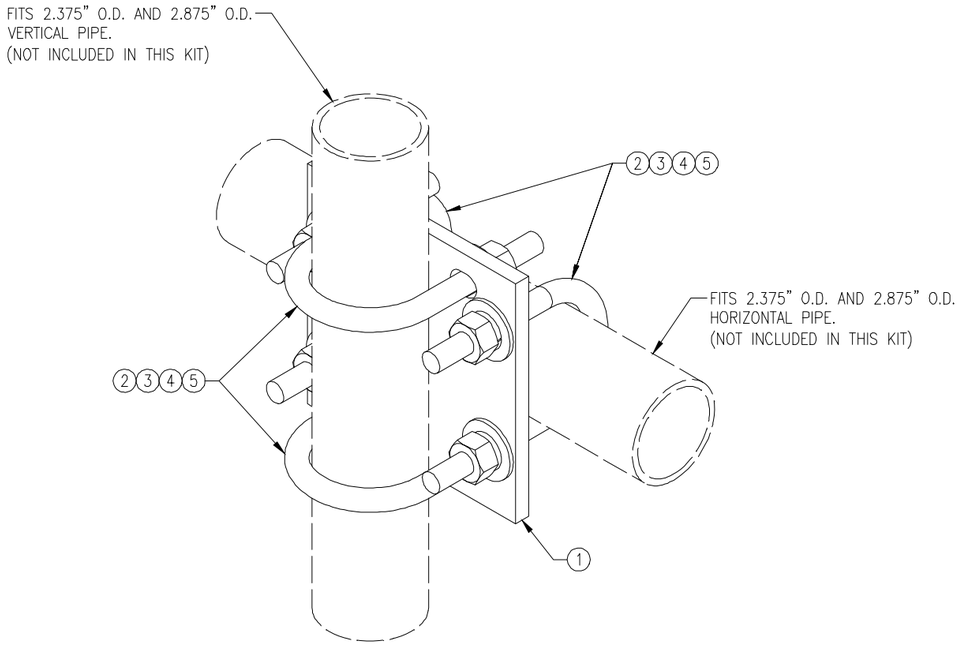
DRAWN BY: BT | CHECKED BY: HMA/KW

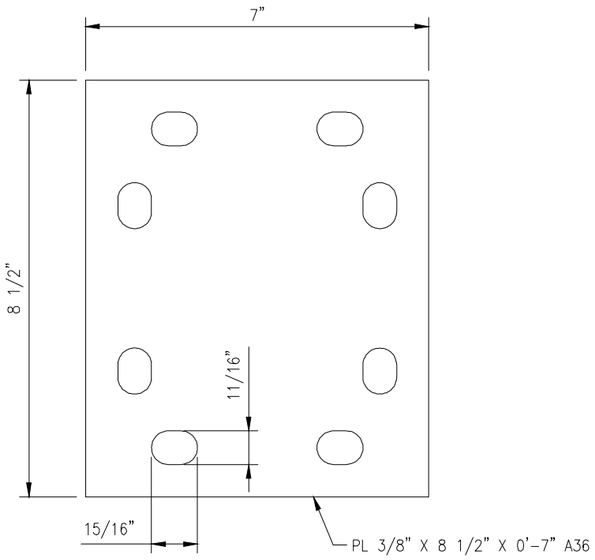
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	BT	05/11/20

SHEET TITLE:
VZWSMART-PLK7
MONOPOLE COLLAR
MOUNT ASSEMBLY

SHEET NUMBER: VZWSMART-PLK7

REV #: 0





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.

VzW SMART Tool© Vendor

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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:

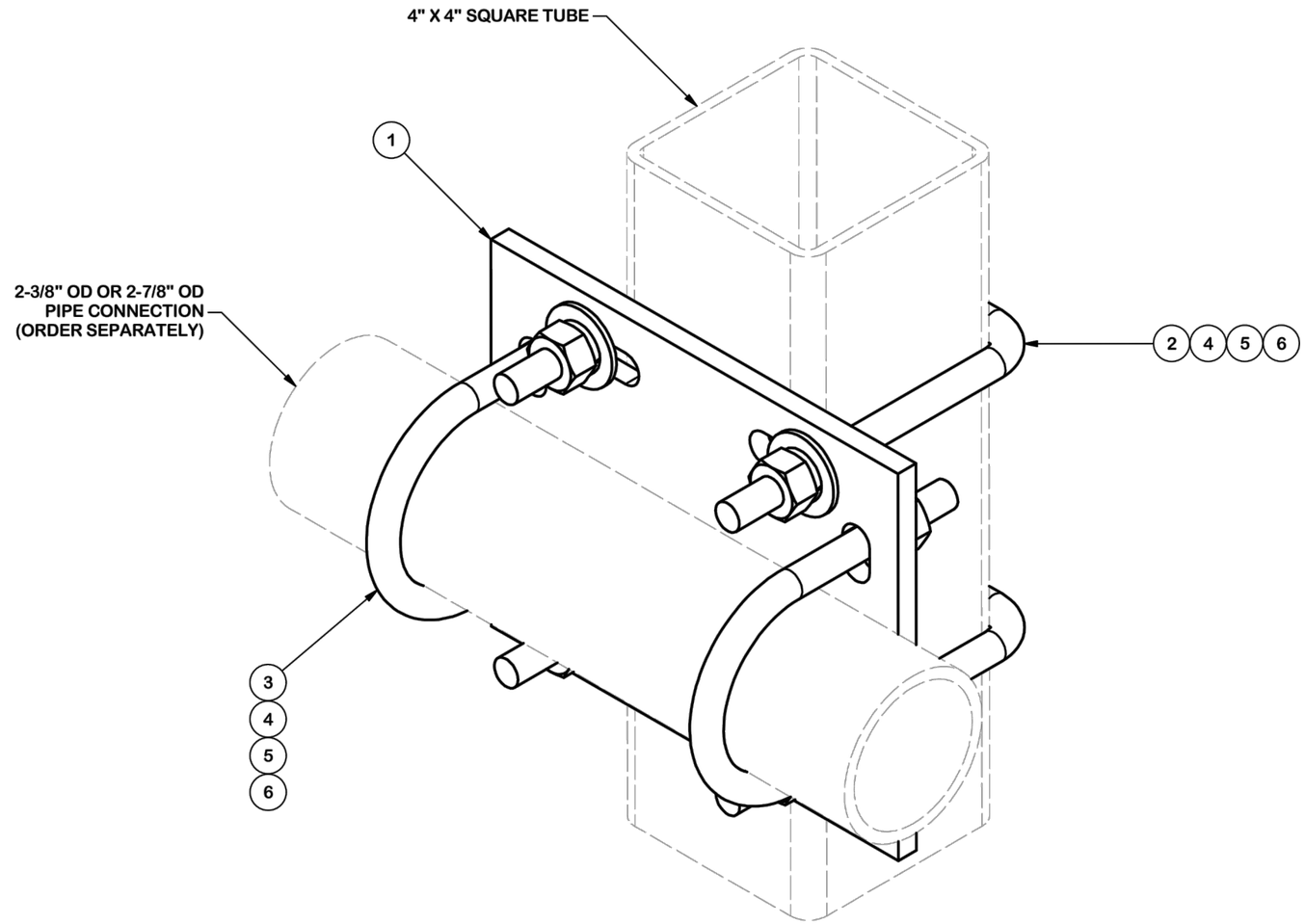
VZWSMART-MSK1
CROSSOVER PLATE

SHEET NUMBER: VZWSMART-MSK1

REV #: 0

DigiSigner Document ID: 0919e7ec-9c26-4faf-8ae6-6558955fd046

PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	1	SCX4	CROSSOVER PLATE	8 1/2 in	6.02	6.02
2	2	X-SUB1418	SQUARE U-BOLT 0.5" DIA. X 4.125" IW X 6" IL X 3" TR		0.98	1.95
3	2	X-UB1212	1/2" X 2-1/2" X 4-1/2" X 2" U-BOLT (HDG.)		0.60	1.19
3	2	X-UB1300	1/2" X 3" X 5" X 2" U-BOLT (HDG.)		0.67	1.34
4	8	G12FW	1/2" HDG USS FLATWASHER	3/32 in	0.03	0.27
5	8	G12LW	1/2" HDG LOCKWASHER	1/8 in	0.01	0.11
6	8	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	0.57
					TOTAL WT. #	11.35



TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
SAWED, SHEARED AND GAS CUT EDGES (± 0.030")
DRILLED AND GAS CUT HOLES (± 0.030") - NO CONING OF HOLES
LASER CUT EDGES AND HOLES (± 0.010") - NO CONING OF HOLES
BENDS ARE ± 1/2 DEGREE
ALL OTHER MACHINING (± 0.030")
ALL OTHER ASSEMBLY (± 0.060")

DESCRIPTION
CROSSOVER PLATE KIT
W/ SQUARE U-BOLTS AND STD. U-BOLTS

SITE PRO 1
A valmont COMPANY

Engineering Support Team:
1-888-753-7446

Locations:
New York, NY
Atlanta, GA
Los Angeles, CA
Plymouth, IN
Salem, OR
Dallas, TX

CPD NO.	DRAWN BY	ENG. APPROVAL	PART NO.	PAGE
	CSL 9/18/2018	3RD PARTY	SQCX4-K	1 OF 1

CLASS	SUB	DRAWING USAGE	CHECKED BY	DWG. NO.
87	02	CUSTOMER	BMC 11/12/2018	SQCX4-K